Appendix B

Supplemental Tables and Figures for Chapter 3

Supplemental Table 3.1. Primer sequences (SYBR Green assay) used for real-time, quantitative PCR analysis of gene expression (RT-qPCR), methylation-sensitive restriction digest/qPCR, and MethylCap/qPCR assays.

For RT-qPCR

Xenopus laevis

Tet2 mRNA
Forward: 5' GGA TGC CCT ATT GCT AAA TG 3'
Reverse: 5' TTC CCT CAC CAA ACA CAG 3'

Tet3 mRNA
Forward: 5' AAG ACC AGC ACA ATC TAT 3'
Reverse: 5' GCC AAT CAT ACG GTT ATC 3'

Gadd45α mRNA
Forward: 5' CTG GGC GGC TCT GAC AAG 3'
Reverse: 5' TCT GTA ATT CAT GTG GGT TGT TGA 3'

Gadd45β mRNA
Forward: 5' GAC CTC CAC TGC ATT CTG 3'
Reverse: 5' TGA TGC CAG CTT GAG CAT 3'

Gadd45γ mRNA
Forward: 5' GGA AGA AGT TCA CGG ACA 3'
Reverse: 5' CCA GCA CTT TGC ATT CTG TCA 3'

Apobec2 mRNA
Forward: 5' GAG GAG TTG CCT CCC TTT GAA 3'
Reverse: 5' CGT CCA GAA CTG TAC TCC ACG TT 3'

Apobec4 mRNA
Forward: 5' GCT GAC AGT TCT AAT GCT 3'
Reverse: 5' CAT AGA CTC TTG ATG GTG GT 3'

AID mRNA
Forward: 5’ GGG TGC GAC TGT CTG TCA TG 3’
Reverse: 5’ GAC CGA GTT CTC GTG TAA TCC AT 3’

TDG mRNA
Forward: 5’ CTG CCC TTG GAG AAC AAT TCA ATG 3’
Reverse: 5’ CCA CTG TCC ATT CTG AGC TT 3’

Alpha-actinin mRNA
Forward: 5’ GGA CAA TTA TCC TGC GTT TTG C 3’
Reverse: 5’ CCT TCT TTG GCA GAT GTT TCT TC 3’

X. tropicalis

Dnmt3a mRNA
Forward: 5’ TCA ACC CTC TGG ACC CAA AG 3’
Reverse: 5’ CCA CCC ACA TTT CTG TGT AAA CTT 3’

Klf9 mRNA
Forward: 5’ CCA TAC AGG TGA ACG CCC TTT 3’
Reverse: 5’ GGG TTC TGT AGT GGC GAG TCA 3’

Alpha-actinin mRNA
Forward: 5’ GGA CAA TTA TCC TGC GTT TTG C 3’
Reverse: 5’ CCT TCT TTG GCA GAT GTT TCT TC 3’

For methylation-sensitive restriction digest/qPCR assays

X. tropicalis

Dnmt3a T_3RE-B (flanking Hinp1I restriction site)
Forward: 5’ TGA CTC TGC GCA GTG A 3’
Reverse: 5’ AGG CTA CGT ACC CCT CTC AGT CT 3’

Dnmt3a T_3RE-B (does not flank Hinp1I restriction site)
Forward: 5’ TTC CCA TGG GTC CCT GTA AGT 3’
Reverse: 5’ GGG AGC TTT TTG CTG CAG AA 3’

Klf9 T_3RE (flanking Hinp1I restriction site)
Forward: 5’ TGA AGC TGT GTC CTC AGA TGA ACT 3’
Reverse: 5’ GCG AGC GCG GCT TTA A 3’

Klf9 T_3RE (does not flank Hinp1I restriction site) (exon 1)
Forward: 5’ TTT CTA ATC GCA AAG CGG TGC C 3’

Reverse: 5’ TCA GGC ATG TTC CTC AGG TGT A 3’

<u>*X. laevis* (this is for Supplemental Fig.)</u>

Dnmt3a T_3RE-B (flanking Hinp1I restriction site)
Forward: 5’ TGA CTC TGC GCT GCA GTG A 3’
Reverse: 5’ AGG CTG CGT CCC CCT TAC 3’

Dnmt3a T_3RE-B (does not flank Hinp1I restriction site)
Forward: 5’ GCA TCC TCA ACC TGC CAA TC 3’
Reverse: 5’ ACT GAG TCA GCA AGC AAG TGT GTA G 3’

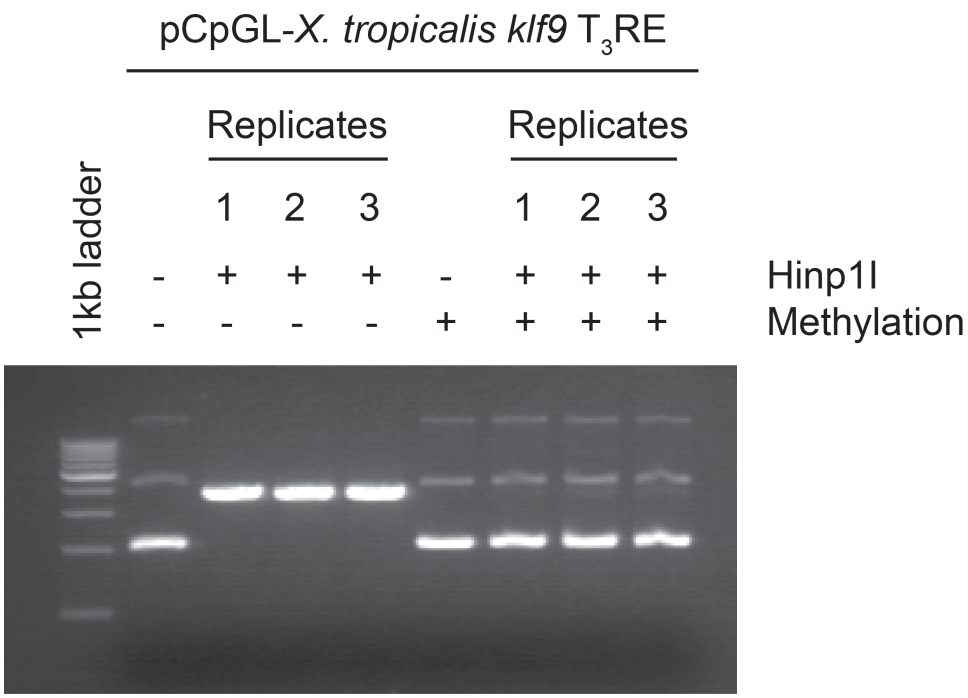
Klf9 T_3RE (flanking Hinp1I restriction site)
Forward: 5’ TGA AGC TGT GTC CTC AGA TGA ACT 3’
Reverse: 5’ GCG AGC GCG GCT TTA A 3’

Klf9 T_3RE (does not flank Hinp1I restriction site)
Forward: 5’ CAA ACA TAA GAT CCT TCC TAA CAA CA 3’
Reverse: 5’ TCG CCA TCA CAG AAA GAC GAT 3’

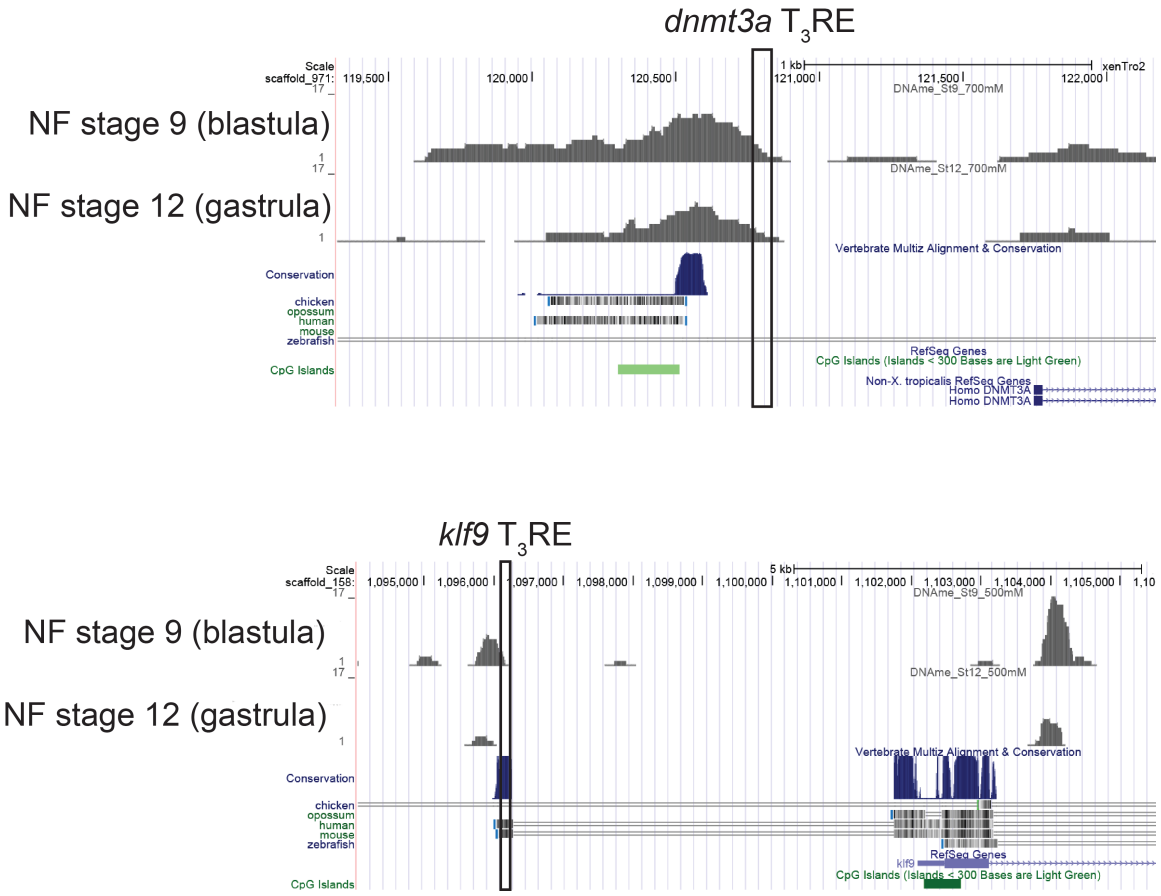
For MethylCap-qPCR assay

Klf9 T_3RE
Forward: 5’ TGA AGC TGT GTC CTC AGA TGA AC 3’
Reverse: 5’ GCG AGC GCG GCT TTA A 3’

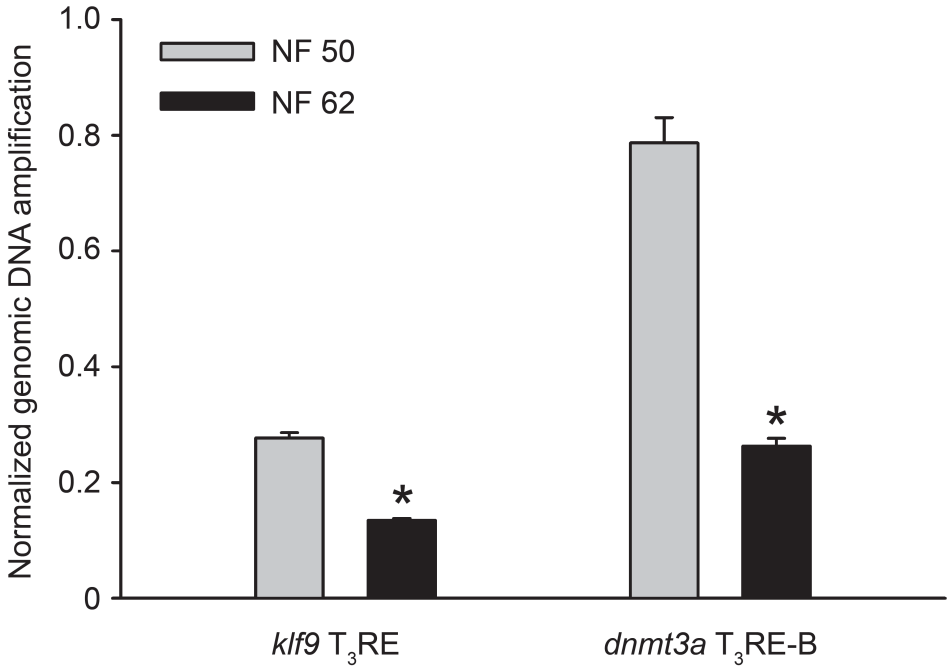
Dnmt3a T_3RE-B
Forward: 5’ TTC CCA TGG GTC CCT GTA AGT 3’
Reverse: 5’ GGG AGC TTT TTG CTG CAG AA 3’



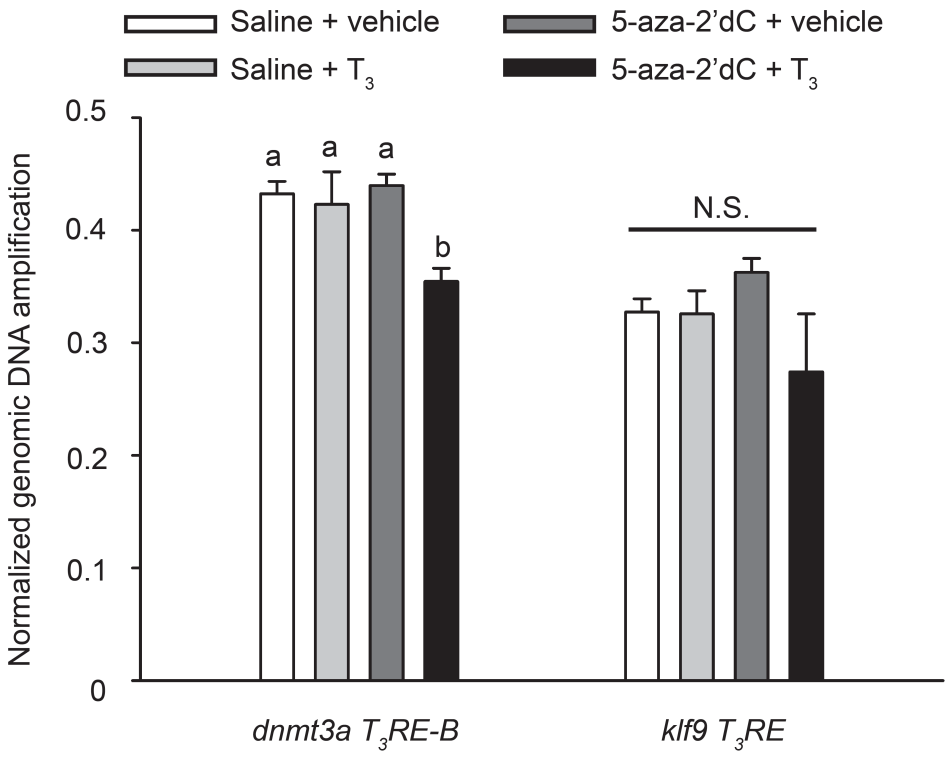
Supplemental Fig. 3.1. Verification of successful *in vitro* methylation of DNA fragments used for competitive EMSA. To synthesize methylated DNA fragment competitors for competitive EMSA, I mock-treated or *in vitro* methylated a luciferase reporter plasmid within which it contained DNA fragments encompassing the T_3RE regions (~180 bp) for *X. tropicalis klf9* genes. I then incubated these plasmids with Hinp1 restriction enzyme, whose activity is blocked by CpG methylation, to verify successful *in vitro* methylation of the DNA fragments.



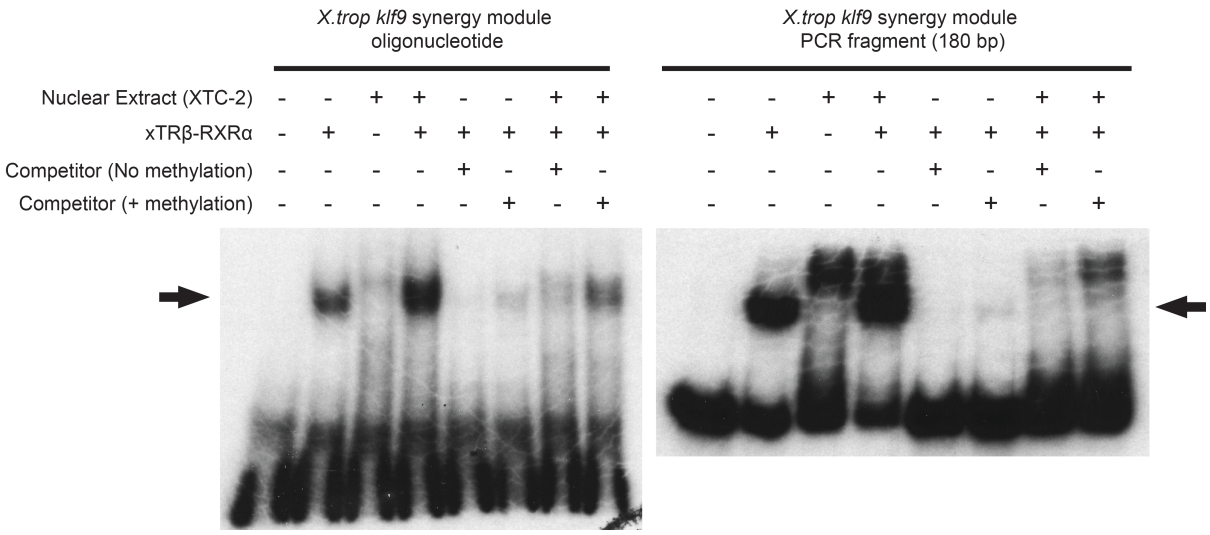
Supplemental Fig. 3.2. Genomic regions that contain *klf9* and *dnmt3a* T_3REs are enriched for methylated cytosines in *X. tropicalis* embryos. Bogdanovic and colleagues (2011) conducted genome-wide analysis of DNA methylation using methylated DNA capture (MethylCap)-seq on genomic DNA isolated from *X. tropicalis* blastula (NF stage 9) and gastrula (NF stage 12). Using their data I found that regions that are enriched for methylated cytosines overlapped with genomic regions that contain T_3REs for the *klf9* and *dnmt3a* genes. Shown are screenshots of UCSC Genome Browser tracks around these two loci. Rectangles indicate genomic locations that contain *klf9* and *dnmt3a* T_3REs.



Supplemental Fig. 3.3. Genomic regions that contain *klf9* and *dnmt3a* T_3REs become demethylated in *Xenopus* tadpole brain during metamorphosis. I conducted chop-qPCR assays on genomic DNA isolated from whole brain of *X. laevis* tadpole at NF stages 50 and 62 (premetamorphosis and metamorphic climax) targeting the T_3RE regions for *klf9* and *dnmt3a* genes. Amplification of target genomic regions was normalized to that of genomic region that did not contain restriction sites. Bars represent the means ± SEM (n=5/developmental stage), and asterisks above the means indicate significant differences between developmental stages (*klf9* T_3RE. $p < 0.001$; *dnmt3a* T_3RE. $p < 0.001$; Student's independent sample *t*-test)



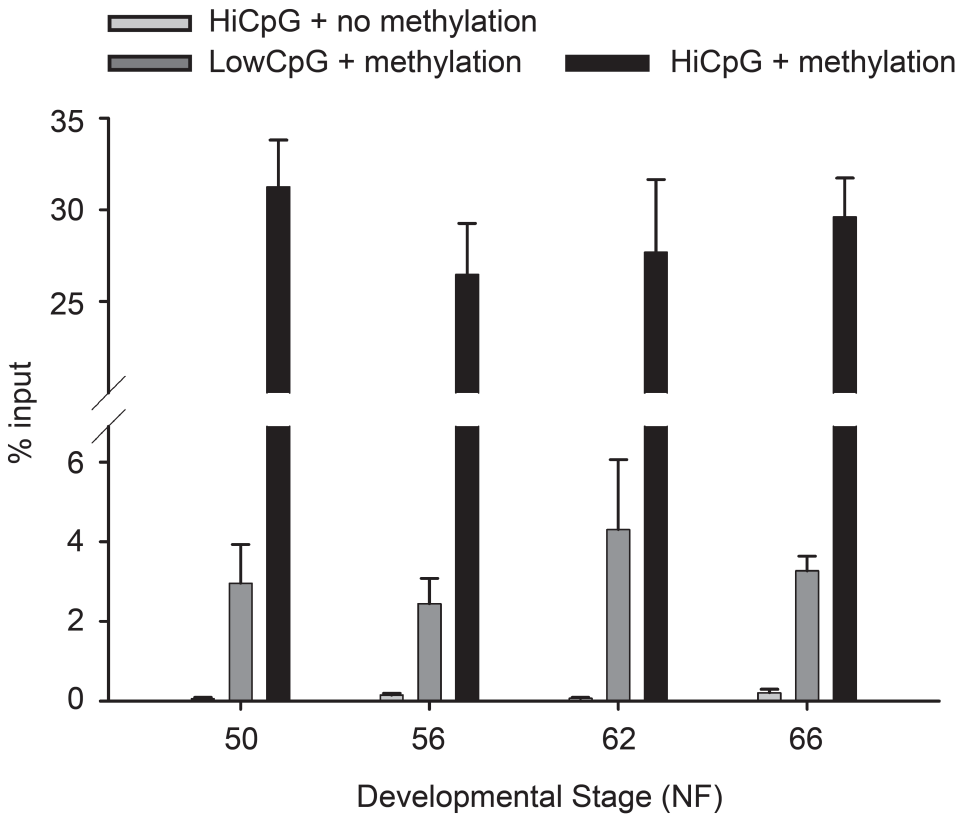
Supplemental Fig. 3.4. A short T_3 treatment of premetamorphic *Xenopus* tadpoles does not induce locus-specific DNA demethylation at *klf9* and *dnmt3a* T_3RE regions. I administered daily intracerebroventricular injection of vehicle (0.6% saline) or 5-aza-2'-deoxycytidine (10 mM) to premetamorphic (NF stage 50) *X. laevis* tadpoles. Immediately after first injection, I initiated treatment of tadpoles with either vehicle (0.0003% DMSO) or T_3 (5 nM) by directly adding them to the aquarium water. Forty-eight hrs after I initiated hormone treatment, I harvested whole brain of tadpole. I extracted genomic DNA from brain and conducted chop-qPCR assays targeting the T_3RE regions of the *klf9* and *dnmt3a* genes. Amplification of target genomic regions was normalized to that of genomic regions that did not contain restriction sites. Bars represent the means ± SEM (n=4/treatment), and letters above the means indicate statistically significant differences among treatments (means with the same letter are not significantly different) (*klf9* T_3RE. not significant, $p > 0.05$; *dnmt3a* T_3RE. $F_{(3,11)} = 5.297$, $p = 0.017$; ANOVA).



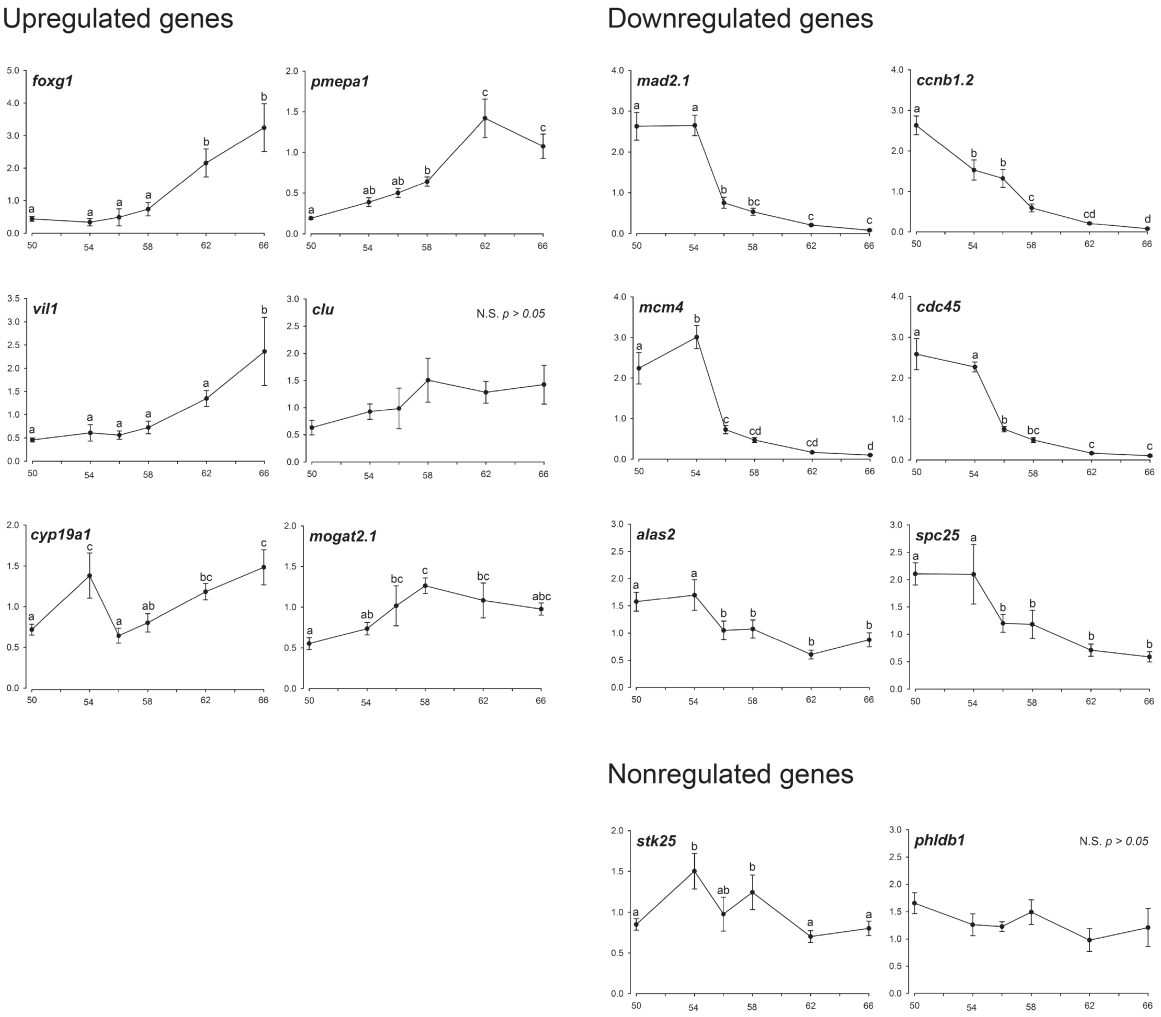
Supplemental Fig. 3.5. Methylation of all cytosines reduces TRβ-RXRα binding to the *klf9* T_3RE region. I conducted competitive EMSA using the [^{32}P]-labeled oligonucleotide sequences derived from the *X. tropicalis klf9* T_3RE sequence (A.) or [^{32}P]-labeled DNA fragment that corresponds to the *X. tropicalis klf9* T_3RE region (~180 bp) (B.) as probes. Before gel electrophoresis I incubated the probes with *in vitro* synthesized *Xenopus* TRβ plus RXRα, with or without the indicated radioinert *klf9* T_3RE genomic fragments in which all cytosines had been methylated. The arrow indicates the location of supershifted bands due to TRβ-RXRα binding to the probe.

Appendix C

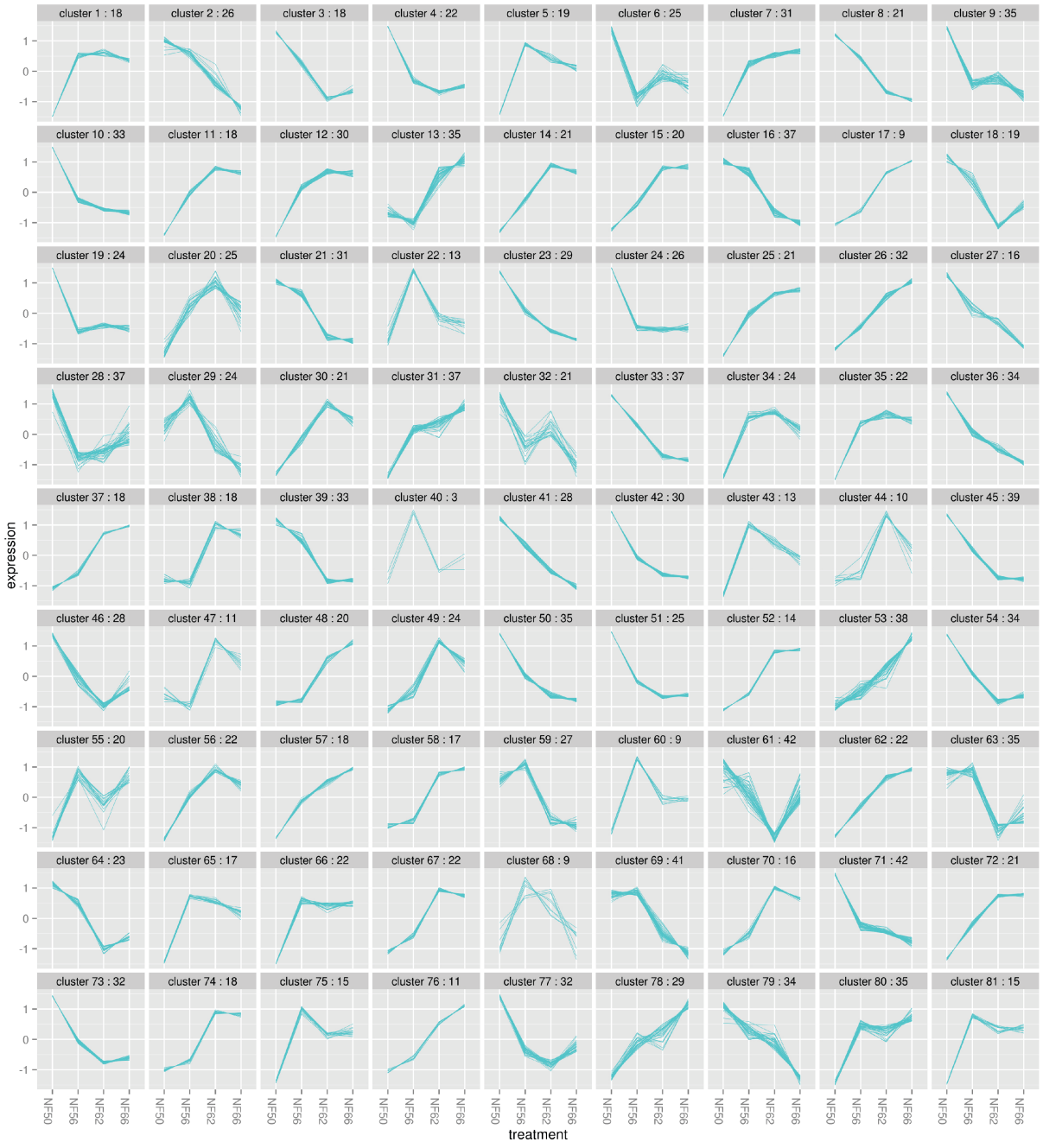
Supplemental Figures and Tables for Chapter 4



Supplemental Fig. 4.1. The efficiency of capturing methylated DNA does not vary among MethylCap-seq samples. I measured the abundance of spike-in control DNA (lambda phage genomic DNA) in high-salt fraction of the MethylCap assay eluates using real-time qPCR to monitor the efficiency of capturing methylated genomic DNA fragments. Amplified fragments were normalized to the quantity of respective input samples. Bars represent the means ± SEM (n=4/developmental stage). For all genomic fragments the capture efficiency did not differ across developmental stages. *LowCpG + methylation*: methylated fragment that has low density of CpG dinucleotides; *HiCpG + no methylation*; non-methyalted fragment with high density of CpGs; *HiCpG + methylation*: methylated fragment that has high density of CpGs.



Supplemental Fig. 4.2. Validation of RNA-seq using RT-qPCR. To validate differentially regulated genes identified by RNA-seq, I measured mRNAs for 14 differentially regulated genes (6 upregulated, 6 downregulated and 2 nonregulated) (see Supplemental Table 4.3 for gene annotation and primer sequences) using real-time RT-qPCR at different developmental stages of *X. tropicalis* metamorphosis in brain regions that contained the hypothalamic area and the pituitary. All mRNAs were normalized to *alpha-actinin* mRNA that did not change across development. Points represent the means ± SEM (n=5/developmental stage), and the letters above the means indicate statistically significant differences across developmental stages (means with the same letter are not significantly different).



Supplemental Fig. 4.3. Clustering analysis of differentially expressed genes into 81 groups. I conducted *c*-means clustering analysis to group differentially regulated genes into 81 clusters using my custom bioinformatic pipeline. I further grouped these clusters into 'clusters of clusters' and identified thirteen general patterns as presented in Fig. 4.2.

Supplemental Table 4.1. Primer sequences for synthesizing spike-in control for MethylCap assay and for monitoring the efficiency of spike-in control capture

For synthesizing spike-in control (standard PCR)

Low CpG density (no methylation)
Forward: 5' GTG AAG GAT ACG GAA GCA GAA A 3'
Reverse: 5' GGC GGT GAT GTA AAC ACT ATG A 3'

Low CpG density (to be methylated)
Forward: 5' CGC AGT GCC TGA GAG TTA AT 3'
Reverse: 5' GGG ATT CAC ACC GAC TCA TTT A 3'

High CpG density (no methylation)
Forward: 5' ACA CAG TAG CCT GGA TTT GTT CTA TC 3'
Reverse: 5' GGA ACG CCT TAC GTT GAT TAT TG 3'

High CpG density (to be methylated)
Forward: 5' CGT ATC GCG TCG AAC TGA TTA 3'
Reverse: 5' CAG ATC GCC AAC TAC CCA AAT A 3'

For monitoring spike-in control using real-time qPCR (SYBR) assay

Low CpG density (no methylation)
Forward: 5' CTG GAA GCC TGG AAG AAG TAT C 3'
Reverse: 5' ACA GCA GGC CAC TCA ATA TC 3'

Low CpG density (+ methylation)
Forward: 5' CAG GCG TCT TCG TTC ATC TAT C 3'
Reverse: 5' CAG CGC AAC ACA GCA ATA AA 3'

Hi CpG density (no methylation)
Forward: 5' GTA CCT TCG CGG CAG ATA TAA 3'
Reverse: 5' GTC GAG AAG GTC ACG AAT GAA 3'

Hi CpG density (+ methylation)
Forward: 5' GAA TCA AAC CAT AAC CGC CAT C 3'
Reverse: 5' CGG CCT CAC TTC TGC TAT TT 3'

Supplemental Table 4.2: Summary of sequencing and mapping results for MethylCap-seq and RNA-seq

A. MethylCap-seq

		Replicates	Sequenced reads	Input reads for mapping after filtering	Aligned reads (% input reads)		Reads failed to align (% input reads)		Discarded reads due to non-unique mapping (% input reads)	
MethylCap samples	NF50	1	105229553	46774927	22526048	48.16%	9977324	21.33%	14271555	30.51%
		2	106034649	32587273	14041473	43.09%	8129864	24.95%	10415936	31.96%
		3	80532651	27821442	12025246	43.22%	6723580	24.17%	9072616	32.61%
	NF56	1	90235979	41042479	19282538	46.98%	8907522	21.70%	12852419	31.31%
		2	92068989	26547176	11335788	42.70%	6659750	25.09%	8551638	32.21%
		3	100696797	36259417	16265434	44.86%	8413826	23.20%	11580157	31.94%
	NF62	1	99758403	39303122	18263916	46.47%	8732004	22.22%	12307202	31.31%
		2	88034737	31995949	14406123	45.02%	7406585	23.15%	10183241	31.83%
		3	95956549	30312794	13291756	43.85%	7348778	24.24%	9672260	31.91%
	NF66	1	94108036	35182316	15863124	45.09%	8120707	23.08%	11198485	31.83%
		2	88930980	24807823	10366719	41.79%	6438263	25.95%	8002841	32.26%
		3	101260590	34494519	15250329	44.21%	8243156	23.90%	11001034	31.89%
Input samples	Input	1	72213295	39434212	25963486	65.84%	5128236	13.00%	8342490	21.16%
		2	64819807	43542545	28977057	66.55%	5351602	12.29%	9213886	21.16%
		3	80856996	55885235	37617728	67.31%	6712656	12.01%	11554851	20.68%

B. RNA-seq

		Replicates	Sequenced reads	Input reads for mapping after filtering	Aligned reads (% input reads)		Reads failed to align (% input reads)		Discarded reads due to non-unique mapping	
RNA samples	NF50	1	25231083	12637928	9554987	75.61%	1687693	13.35%	1395248	11.04%
		2	30573164	16004138	12086514	75.52%	2127065	13.29%	1790559	11.19%
		3	28381844	12929267	9591426	74.18%	1769583	13.69%	1568258	12.13%
	NF56	1	28901960	15326420	11539987	75.29%	2041334	13.32%	1745099	11.39%
		2	24815864	13326445	10040513	75.34%	1766893	13.26%	1519039	11.40%
		3	14545717	9504167	7212028	75.88%	1243167	13.08%	1048972	11.04%
	NF62	1	29965686	16264949	12286054	75.54%	2166387	13.32%	1812508	11.14%
		2	31270377	14803371	11111562	75.06%	2011169	13.59%	1680640	11.35%
		3	27432904	15368443	11591846	75.43%	2061967	13.42%	1714630	11.16%
	NF66	1	26236157	13950617	10482218	75.14%	1868009	13.39%	1600390	11.47%
		2	24303752	12441678	9354158	75.18%	1669721	13.42%	1417799	11.40%
		3	37647068	19943943	14947781	74.95%	2701352	13.54%	2294810	11.51%

Supplemental Table 4.3. Annotation of validated differentially regulated genes identified by RNA-seq; primer sequences used for real-time RT-qPCR

A. Upregulated Genes

				Primer Sequence (5' to 3')	
Ensemble Gene ID	**Gene Name**	**Description**	**Expression Level**	Forward	Reverse
ENSXETG00000011263	PMEPA1	prostate transmembrane protein, androgen induced 1 [Source:Jamboree;Acc:XB-GENE-1013948]	High	GGTCGTGGTTATCACTTGTC	TCCTTCCGAGGAAAGGTT
ENSXETG00000010247	FOXG1	forkhead box G1 [Source:Jamboree;Acc:XB-GENE-480076]	High	AGGGCAACTACTGGATGT	CGCTTGAACGCCAGTTTA
ENSXETG00000014965	VIL1	villin 1 [Source:Jamboree;Acc:XB-GENE-965127]	Mid	TGAACTCAATGCACGCTAA	CCCGTTCCAAGTTCTCTATTC
ENSXETG00000023798	CLU	clusterin [Source:Jamboree;Acc:XB-GENE-5940737]	Mid	CAGACCTGTGTGAGGTTCTA	GGAGAATGGAGAAGATTGGTTC
ENSXETG00000020758	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-953895]	Low	TTGTCTGGTCCAGGACTTAT	GGACATCTACATTTCCCAGTTC
ENSXETG00000004012	MOGAT2.1	monoacylglycerol O-acyltransferase 2, gene 1 [Source:Jamboree;Acc:XB-GENE-6040330]	Low	TGGATTCTCCCGTCTCTTC	GACTGCCACTCATAATGTACTC

B. Downregulated Genes

Ensemble Gene ID	**Gene Name**	**Description**	**Expression Level**		
ENSXETG00000002100	MAD2L1	MAD2 mitotic arrest deficient-like 1 [Source:Jamboree;Acc:XB-GENE-947153]	High	GACTTACACTGCTACTCACTAC	GCTTCTGTACCTGGCATTT
ENSXETG00000016354	CCNB1.2	cyclin B1 [Source:Jamboree;Acc:XB-GENE-5736422]	High	TGCTGTGCAGTGAATATGT	TCCTGTCCATGTAGGTAGTT
ENSXETG00000004854	MCM4	minichromosome maintenance complex component 4 [Source:Jamboree;Acc:XB-GENE-1011481]	Mid	CAGCTCTTGCACCAAGTAT	ATTTGCCTCTTCCGGTATG
ENSXETG00000018602	CDC45	cell division cycle 45 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-976058]	Mid	CAATTGTTGGGCTGACAGA	TTGTGTCGGGAAACATGG
ENSXETG00000022017	ALAS2	aminolevulinate, delta-, synthase 2 [Source:Jamboree;Acc:XB-GENE-487573]	Low	TTGTCTTCCGCCACAATG	CAGATTGCACCATCCATAGAG
ENSXETG00000010306	SPC25	SPC25, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-950628]	Low	CATCCAGAGATTAAGGGAAGAG	CGCTCCCTGAACAAAGTT

Non-regulated

Ensemble Gene ID	**Gene Name**	**Description**		
ENSXETG00000002989	STK25	serine/threonine kinase 25 [Source:Jamboree;Acc:XB-GENE-5860335]	CGACTTCAAGGCAGACATC	CAGGAACAGGACCCTCATA
ENSXETG00000021556	PHLDB1	pleckstrin homology-like domain, family B, member 1 [Source:Jamboree;Acc:XB-GENE-5873646]	GGAAGAGACTCAGAGAGAAGAG	TCCTCCAGGGCTAGTAATTC

Supplemental Table 4.4. List of differentially methylated regions in *X. tropicalis* tadpole brain during metamorphosis identified by MethylCap-seq

* Coordinates are according to version 4.1 of *X. tropicalis* genome

NF stage 50 vs. 56 (less methylated in Stage 56) (24 regions)

scaffold_1:1595800-1596400
scaffold_1074:85400-86000
scaffold_1192:108800-109400
scaffold_123:293800-294400
scaffold_1243:63200-63600
scaffold_1278:41000-41600
scaffold_132:793600-794000
scaffold_1615:13000-13600
scaffold_245:85600-86200
scaffold_245:531800-532400
scaffold_250:1353600-1354200
scaffold_3:5416800-5417200
scaffold_3:6048400-6049000
scaffold_3:6049800-6051800
scaffold_3:6506200-6506800
scaffold_319:268600-269200
scaffold_321:321800-322400
scaffold_510:524400-525000
scaffold_515:297000-297400
scaffold_515:516000-516600
scaffold_8:808000-808400
scaffold_8:4597400-4598000
scaffold_908:14800-15400
scaffold_97:2793800-2794400

NF stage 50 vs. 56 (more methylated in Stage 56) (25 regions)

scaffold_1281:60600-61200
scaffold_149:239000-239400
scaffold_153:570000-570400
scaffold_153:588000-588600
scaffold_153:1390600-1391000
scaffold_153:1574600-1575200
scaffold_165:743000-743400

(continued) NF stage 50 vs. 56 (more methylated in Stage 56)

scaffold_172:736200-736800
scaffold_23:2047400-2047800
scaffold_23:2457800-2458200
scaffold_232:658400-659200
scaffold_253:893200-893800
scaffold_269:1446600-1447200
scaffold_358:232400-233000
scaffold_391:931200-931800
scaffold_43:1367400-1368000
scaffold_453:802400-803000
scaffold_655:347800-348400
scaffold_661:535400-535800
scaffold_673:324200-324600
scaffold_737:184600-185000
scaffold_770:306000-306600
scaffold_817:39600-40200
scaffold_92:846600-847200
scaffold_92:2951000-2951600

NF stage 50 vs. 62 (less methylated in Stage 62) (149 regions)

scaffold_1001:167200-167800
scaffold_1016:156800-157400
scaffold_1028:138400-139000
scaffold_1038:71000-71600
scaffold_1073:107400-108000
scaffold_1100:107200-107800
scaffold_1116:100000-100600
scaffold_1130:106400-107400
scaffold_1148:85600-86400
scaffold_1221:105400-106000
scaffold_1243:63000-63600
scaffold_1243:136000-136600
scaffold_1266:100400-101000

(continued) NF stage 50 vs. 62 (less methylated in Stage 62)

scaffold_1280:105800-106400
scaffold_131:422800-423400
scaffold_131:917200-917600
scaffold_131:1124200-1124800
scaffold_1334:51400-52000
scaffold_1368:80600-81000
scaffold_137:360000-360400
scaffold_137:596000-596400
scaffold_137:1115400-1115800
scaffold_137:2046800-2047200
scaffold_1429:52800-53400
scaffold_1447:60600-61200
scaffold_1469:5600-6200
scaffold_154:298000-298600
scaffold_157:281200-281800
scaffold_157:1188000-1188600
scaffold_157:1380800-1381200
scaffold_157:1543800-1544400
scaffold_164:1253200-1253600
scaffold_186:455400-455800
scaffold_186:752800-753200
scaffold_186:1282000-1282800
scaffold_211:162200-162600
scaffold_211:337000-337400
scaffold_211:515600-516000
scaffold_211:755000-755600
scaffold_213:795600-796200
scaffold_213:1004400-1004800
scaffold_213:1162400-1162800
scaffold_213:1410600-1411000
scaffold_213:1737600-1738200
scaffold_254:1072000-1072600
scaffold_255:927400-927800
scaffold_255:1292200-1292600
scaffold_26:153000-153400
scaffold_26:317400-318000
scaffold_26:460200-461200
scaffold_26:1488600-1489200
scaffold_26:2288200-2288600
scaffold_26:2325600-2326000

(continued) NF stage 50 vs. 62 (less methylated in Stage 62)

scaffold_29:3808800-3809400
scaffold_294:173200-173600
scaffold_294:196000-196600
scaffold_3:220000-220400
scaffold_3:1221000-1221600
scaffold_3:2434800-2435400
scaffold_320:311400-312000
scaffold_320:399600-400000
scaffold_320:465000-465600
scaffold_321:47400-48000
scaffold_321:321800-322400
scaffold_325:867400-868000
scaffold_325:870400-871000
scaffold_326:302800-303200
scaffold_326:453800-454200
scaffold_326:1072200-1072800
scaffold_33:207400-207800
scaffold_33:1400000-1400400
scaffold_33:1467200-1467800
scaffold_33:1531600-1532200
scaffold_33:1715200-1715800
scaffold_33:1738200-1738600
scaffold_33:2734200-2734800
scaffold_33:3929200-3930000
scaffold_334:80000-80600
scaffold_3451:7800-8400
scaffold_3513:6200-6800
scaffold_359:876000-876400
scaffold_398:867800-868400
scaffold_414:810400-811000
scaffold_425:23000-23600
scaffold_452:153000-153600
scaffold_452:394000-394600
scaffold_452:397600-398200
scaffold_452:443800-444600
scaffold_484:284600-285200
scaffold_492:68200-68600
scaffold_51:71600-72000
scaffold_51:1457000-1457400
scaffold_51:2613000-2613400

(continued) NF stage 50 vs. 62 (less methylated in Stage 62)

scaffold_51:2664000-2664600
scaffold_510:524400-525000
scaffold_528:781800-782400
scaffold_536:239800-240400
scaffold_553:248800-249400
scaffold_57:117600-118000
scaffold_57:200000-200600
scaffold_57:714800-715200
scaffold_57:805000-805400
scaffold_57:1477800-1478200
scaffold_57:1545600-1546400
scaffold_57:2237800-2238400
scaffold_588:249200-249800
scaffold_596:119800-120200
scaffold_596:144800-145200
scaffold_596:273200-273800
scaffold_605:36200-36600
scaffold_63:892000-892600
scaffold_665:522400-523000
scaffold_670:440000-440600
scaffold_670:446000-446600
scaffold_684:418800-419400
scaffold_69:1242600-1243400
scaffold_724:192600-193000
scaffold_728:317600-318000
scaffold_74:981600-982200
scaffold_761:164200-165000
scaffold_77:2212000-2212400
scaffold_77:2700200-2700800
scaffold_783:187400-188000
scaffold_817:366200-366800
scaffold_84:1042000-1042400
scaffold_84:1428200-1428600
scaffold_84:1519800-1520200
scaffold_848:263200-263600
scaffold_85:2445000-2445800
scaffold_908:14800-15400
scaffold_916:35200-35600
scaffold_92:1708400-1709000
scaffold_95:883800-884200

(continued) NF stage 50 vs. 62 (less methylated in Stage 62)

scaffold_95:1160000-1160600
scaffold_95:1448400-1448800
scaffold_95:1662600-1663000
scaffold_95:1751200-1751800
scaffold_95:1855200-1855800
scaffold_95:2380200-2380600
scaffold_95:2784600-2785000
scaffold_95:2870200-2870800
scaffold_954:190200-190800
scaffold_96:1417800-1418600
scaffold_96:2274600-2275400
scaffold_963:34400-35200
scaffold_971:108200-108800
scaffold_98:345800-346600
scaffold_989:106200-106600
scaffold_989:114400-115000

NF stage 50 vs. 62 (more methylated in Stage 62) (144 regions)

scaffold_1:4355200-4355800
scaffold_1:4939600-4940200
scaffold_10:544200-544600
scaffold_100:811000-811600
scaffold_100:1143800-1144200
scaffold_100:2050200-2050600
scaffold_100:2347400-2348000
scaffold_100:2766200-2766800
scaffold_102:778200-778800
scaffold_103:71200-71600
scaffold_103:98200-98800
scaffold_1033:43200-43800
scaffold_1047:71400-72000
scaffold_105:1124600-1125200
scaffold_105:1849000-1849400
scaffold_121:166200-166800
scaffold_1216:98000-98600
scaffold_123:1549800-1550400
scaffold_131:369800-370400
scaffold_131:605800-606400

(continued) NF stage 50 vs. 62 (more methylated in Stage 62)

scaffold_131:914800-915200
scaffold_136:1072200-1072800
scaffold_14:3349400-3349800
scaffold_14:5058400-5059000
scaffold_150:1515200-1515600
scaffold_150:1772800-1773200
scaffold_153:740000-740400
scaffold_1559:33200-33800
scaffold_157:2066800-2067400
scaffold_171:1737200-1737800
scaffold_18:1465000-1465400
scaffold_20:2290800-2291200
scaffold_204:19200-19800
scaffold_213:224400-224800
scaffold_213:1604800-1605400
scaffold_215:74800-75200
scaffold_215:267200-267800
scaffold_223:236800-237200
scaffold_223:618800-619200
scaffold_223:1113800-1114400
scaffold_225:459800-460200
scaffold_23:1624000-1624400
scaffold_232:291600-292200
scaffold_236:853400-853800
scaffold_236:1512600-1513200
scaffold_241:1294000-1294600
scaffold_25:1328800-1329200
scaffold_25:3206800-3207200
scaffold_25:3946400-3947000
scaffold_253:183800-184200
scaffold_254:1132400-1132800
scaffold_254:1177000-1177400
scaffold_26:2451600-2452200
scaffold_26:2916000-2916600
scaffold_260:275600-276200
scaffold_266:598200-598600
scaffold_278:1277800-1278400
scaffold_282:1189600-1190200
scaffold_288:295200-295600
scaffold_321:842000-842600

(continued) NF stage 50 vs. 62 (more methylated in Stage 62)

scaffold_326:96000-96400
scaffold_328:246000-246600
scaffold_33:131000-131400
scaffold_33:1410400-1410800
scaffold_33:1780200-1780600
scaffold_33:2939600-2940000
scaffold_34:2041000-2041400
scaffold_34:2399200-2399800
scaffold_371:313600-314200
scaffold_377:481400-481800
scaffold_377:711000-711400
scaffold_378:739800-741000
scaffold_391:859200-859600
scaffold_391:926200-926600
scaffold_391:931000-931800
scaffold_395:364200-364800
scaffold_422:652200-652800
scaffold_431:801600-802200
scaffold_439:32800-33200
scaffold_46:1933000-1933600
scaffold_46:2303000-2303400
scaffold_46:3300600-3301200
scaffold_464:271600-272000
scaffold_464:272600-273400
scaffold_464:506400-507000
scaffold_467:735600-737600
scaffold_47:2640400-2640800
scaffold_47:2658200-2659000
scaffold_47:2976200-2977600
scaffold_47:3021400-3022800
scaffold_471:158000-158600
scaffold_472:192600-193200
scaffold_48:2661400-2662000
scaffold_490:205000-205400
scaffold_492:847000-847600
scaffold_5:840000-840400
scaffold_51:2688800-2689400
scaffold_51:2785000-2785600
scaffold_513:460400-461000
scaffold_536:391400-391800

(continued) NF stage 50 vs. 62 (more methylated in Stage 62)

scaffold_536:412600-413200
scaffold_538:590800-591400
scaffold_540:317000-317600
scaffold_552:431000-431600
scaffold_57:501200-501800
scaffold_57:1254600-1255200
scaffold_57:2964000-2964600
scaffold_570:135800-136400
scaffold_610:101400-102000
scaffold_610:103000-103600
scaffold_610:201600-202200
scaffold_610:286400-286800
scaffold_62:1809400-1810000
scaffold_632:227400-228000
scaffold_653:34200-34800
scaffold_67:39600-40000
scaffold_684:456600-457200
scaffold_71:600800-601200
scaffold_72:860400-861000
scaffold_72:1295400-1295800
scaffold_72:1346400-1346800
scaffold_72:1531200-1531800
scaffold_72:2049000-2049400
scaffold_72:2278400-2278800
scaffold_72:2430600-2431400
scaffold_788:18200-18800
scaffold_80:330800-332200
scaffold_80:334000-334400
scaffold_817:39600-40000
scaffold_817:104800-105400
scaffold_844:38200-38800
scaffold_8441:13400-14000
scaffold_86:1138400-1138800
scaffold_863:138200-138800
scaffold_9:188800-189200
scaffold_9:3732000-3732400
scaffold_92:968200-968800
scaffold_92:1337400-1337800
scaffold_92:2352600-2353000
scaffold_92:2950400-2951600

(continued) NF stage 50 vs. 62 (more methylated in Stage 62)

scaffold_929:38600-39200
scaffold_929:239600-240200
scaffold_96:510000-510800
scaffold_98:200400-200800

NF stage 50 vs. 66 (less methylated in Stage 66) (195 regions)

scaffold_1:639400-640000
scaffold_1:647600-648200
scaffold_1:1493600-1494000
scaffold_1:2574200-2574600
scaffold_1004:10600-11200
scaffold_1014:70400-71000
scaffold_1016:156800-157400
scaffold_1073:107400-108000
scaffold_1087:170400-171000
scaffold_1100:103800-104200
scaffold_1100:106600-107800
scaffold_1100:166800-167400
scaffold_1116:100000-100600
scaffold_1130:106400-107200
scaffold_1148:127600-128800
scaffold_1192:108800-109400
scaffold_12:1054800-1055400
scaffold_120:2430800-2431400
scaffold_123:536400-536800
scaffold_1230:68000-68600
scaffold_1243:136000-136600
scaffold_1249:49400-50000
scaffold_1266:100400-101000
scaffold_1268:84400-85000
scaffold_1278:59800-60200
scaffold_1278:64800-65200
scaffold_1287:65400-66000
scaffold_1298:118400-119000
scaffold_133:2215400-2216000
scaffold_1368:80600-81200
scaffold_1368:91400-92000
scaffold_137:216600-217000

(continued) NF stage 50 vs. 66 (less methylated in Stage 66)

scaffold_137:253000-253400
scaffold_137:596000-596400
scaffold_137:1958600-1959000
scaffold_137:2060600-2061000
scaffold_1429:52800-53400
scaffold_1447:60800-61400
scaffold_146:1154200-1154800
scaffold_1491:10200-11200
scaffold_150:1666000-1666600
scaffold_150:1668400-1669000
scaffold_150:1871400-1872000
scaffold_154:1621400-1622000
scaffold_1557:3200-3800
scaffold_1620:21000-21600
scaffold_1620:44400-45400
scaffold_164:1428200-1428800
scaffold_1655:8400-9000
scaffold_1693:54800-55400
scaffold_174:18000-18400
scaffold_175:1202600-1203200
scaffold_1759:48000-48600
scaffold_178:838000-838600
scaffold_18:628400-628800
scaffold_18:1534400-1534800
scaffold_189:779200-779800
scaffold_2:468200-468600
scaffold_2:3858000-3858400
scaffold_2:5343600-5344000
scaffold_2:5962200-5962800
scaffold_205:174000-174400
scaffold_205:265000-265600
scaffold_205:402800-403200
scaffold_205:1616400-1616800
scaffold_213:1410600-1411200
scaffold_217:389200-389600
scaffold_217:1025600-1026200
scaffold_22:1106200-1106600
scaffold_2260:6600-7200
scaffold_232:1027400-1028000
scaffold_235:285000-285600

(continued) NF stage 50 vs. 66 (less methylated in Stage 66)

scaffold_247:1323000-1323600
scaffold_25:3445600-3446200
scaffold_25:3591000-3591600
scaffold_25:3661600-3662000
scaffold_25:3752800-3753400
scaffold_253:207400-208000
scaffold_255:618600-619000
scaffold_255:941000-941400
scaffold_255:1216800-1217600
scaffold_263:656000-656600
scaffold_27:1131800-1132200
scaffold_27:2212400-2212800
scaffold_27:2271400-2272000
scaffold_27:2443200-2443600
scaffold_279:254400-255000
scaffold_279:1190200-1190600
scaffold_28:534800-535400
scaffold_281:189600-190200
scaffold_281:405000-405400
scaffold_287:852000-852400
scaffold_301:36800-37200
scaffold_31:3280600-3281000
scaffold_31:3520800-3521400
scaffold_313:343000-343600
scaffold_321:322000-322400
scaffold_325:867400-868000
scaffold_325:870600-871200
scaffold_325:876600-877200
scaffold_348:839000-839600
scaffold_352:1083400-1084000
scaffold_355:1107600-1108200
scaffold_3571:2200-2800
scaffold_366:1091200-1091600
scaffold_38:631800-632400
scaffold_38:1083800-1084200
scaffold_38:1280800-1281200
scaffold_38:1938800-1939200
scaffold_381:1066400-1067000
scaffold_4:1027800-1028200
scaffold_4:1471800-1472200

(continued) NF stage 50 vs. 66 (less methylated in Stage 66)

scaffold_4:2896200-2896600
scaffold_4:3249600-3250000
scaffold_4:4268800-4269200
scaffold_4:4314200-4314600
scaffold_4:5804000-5804600
scaffold_413:56600-57200
scaffold_426:916800-917400
scaffold_446:140200-140800
scaffold_446:143600-144000
scaffold_448:72200-72800
scaffold_473:371600-372200
scaffold_48:555200-555600
scaffold_494:195000-195600
scaffold_5:878600-879200
scaffold_504:468800-469200
scaffold_51:1845800-1846200
scaffold_51:2606600-2607200
scaffold_515:395400-395800
scaffold_515:532400-533000
scaffold_528:298200-298800
scaffold_528:752200-752600
scaffold_528:781800-782400
scaffold_531:178200-178600
scaffold_553:183800-184200
scaffold_553:248600-249200
scaffold_570:140600-141000
scaffold_570:604800-605400
scaffold_582:164600-165600
scaffold_63:892000-892600
scaffold_63:2404200-2404600
scaffold_63:3206600-3207000
scaffold_635:490000-490600
scaffold_65:1934200-1934800
scaffold_667:447400-447800
scaffold_670:440000-440400
scaffold_670:446000-446600
scaffold_670:457400-457800
scaffold_673:42000-42600
scaffold_677:253600-254000
scaffold_69:1242600-1243400

(continued) NF stage 50 vs. 66 (less methylated in Stage 66)

scaffold_692:189200-189800
scaffold_7:4458000-4458600
scaffold_702:282400-283000
scaffold_705:150200-150600
scaffold_708:112200-112800
scaffold_709:451600-452200
scaffold_711:47400-47800
scaffold_724:104200-104800
scaffold_726:261000-261400
scaffold_726:307000-307600
scaffold_739:251000-251600
scaffold_77:2212000-2212400
scaffold_783:187400-188000
scaffold_794:369600-370200
scaffold_805:2000-2400
scaffold_805:132400-132800
scaffold_805:276400-277000
scaffold_821:96800-97200
scaffold_821:138000-138400
scaffold_824:227400-228000
scaffold_833:266800-267400
scaffold_848:263200-263800
scaffold_853:12800-13600
scaffold_859:227400-228000
scaffold_886:34800-35200
scaffold_886:177800-178800
scaffold_892:297000-298000
scaffold_897:43400-44000
scaffold_900:224600-225200
scaffold_908:14600-15400
scaffold_911:68200-68800
scaffold_911:133000-133400
scaffold_917:188800-189400
scaffold_923:202200-202800
scaffold_954:190200-190800
scaffold_959:109800-110200
scaffold_959:133000-133400
scaffold_959:214600-215200
scaffold_959:246400-247000
scaffold_963:34400-35000

(continued) NF stage 50 vs. 66 (less methylated in Stage 66)

scaffold_971:74600-75200
scaffold_971:108200-109000
scaffold_989:106200-106600

NF stage 50 vs. 66 (more methylated in Stage 66) (41 regions)

scaffold_100:6600-7000
scaffold_100:255000-255600
scaffold_1010:71000-71400
scaffold_12:35600-36000
scaffold_12:1030000-1030400
scaffold_123:2604600-2605200
scaffold_130:471200-471800
scaffold_131:606000-606600
scaffold_141:738200-738800
scaffold_17:728200-728800
scaffold_238:660000-660400
scaffold_25:1328800-1329200
scaffold_25:4048000-4048600
scaffold_280:944800-945400
scaffold_308:1242800-1243400
scaffold_312:854200-854800
scaffold_317:632000-632600
scaffold_322:783000-783600
scaffold_371:313400-314200
scaffold_378:739600-741000
scaffold_400:423600-424000
scaffold_400:441800-442400
scaffold_43:1189000-1189600
scaffold_47:2634400-2635000
scaffold_47:2640200-2640800
scaffold_47:2658200-2659200
scaffold_47:2976200-2977400
scaffold_47:3006800-3007200
scaffold_47:3007800-3008200
scaffold_47:3009400-3009800
scaffold_47:3011000-3011600
scaffold_47:3021800-3022800
scaffold_53:989000-989600

(continued) NF stage 50 vs. 66 (more methylated in Stage 66)

scaffold_60:2653400-2654000
scaffold_60:2658600-2659200
scaffold_65:1023800-1024200
scaffold_72:2278200-2278800
scaffold_80:330800-332200
scaffold_80:333800-334600
scaffold_92:1495200-1495800
scaffold_92:2951000-2951600

NF stage 56 vs. 62 (less methylated in Stage 62) (29 regions)

scaffold_1:7168000-7168400
scaffold_1:7251800-7252200
scaffold_1010:57800-58800
scaffold_1010:78800-80200
scaffold_1010:80400-80800
scaffold_1010:84000-84400
scaffold_1010:88400-88800
scaffold_1010:105600-106200
scaffold_1148:85600-86200
scaffold_137:28200-28800
scaffold_1489:4600-5200
scaffold_154:298000-298400
scaffold_154:1025200-1025800
scaffold_154:2088800-2089400
scaffold_191:1547400-1548000
scaffold_197:1306600-1307600
scaffold_286:674600-675200
scaffold_287:22600-23000
scaffold_33:2734200-2734800
scaffold_33:3078400-3078800
scaffold_57:1343000-1343400
scaffold_59:1175400-1175800
scaffold_59:1653000-1653400
scaffold_59:2331600-2332000
scaffold_59:2445800-2446400
scaffold_70:305200-305600
scaffold_753:390800-391600
scaffold_95:1160000-1160600

(continued) NF stage 56 vs. 62 (less methylated in Stage 62)

scaffold_95:2671400-2672000

NF stage 56 vs. 62 (more methylated in Stage 62) (82 regions)

scaffold_1:4253200-4253800
scaffold_1011:160000-160400
scaffold_1011:164000-164600
scaffold_1033:41400-42000
scaffold_1033:43000-43600
scaffold_107:1794200-1794600
scaffold_116:1352200-1352600
scaffold_1218:57200-57800
scaffold_1230:41600-42200
scaffold_125:1142200-1142800
scaffold_137:1337400-1337800
scaffold_14:1289200-1289600
scaffold_14:2055800-2056200
scaffold_1485:14200-14800
scaffold_178:192800-193200
scaffold_191:1346000-1346600
scaffold_2:209600-210000
scaffold_2:2315200-2315600
scaffold_20:2290600-2291200
scaffold_200:29200-29600
scaffold_203:309400-309800
scaffold_232:291600-292200
scaffold_232:911400-911800
scaffold_232:1274600-1275000
scaffold_232:1620200-1620600
scaffold_2402:9200-9800
scaffold_289:306600-307200
scaffold_29:1850400-1850800
scaffold_29:2999800-3000200
scaffold_29:3986600-3987000
scaffold_29:4146400-4147000
scaffold_312:356400-356800
scaffold_326:282400-283000
scaffold_34:2399200-2399800
scaffold_341:1114200-1114800

(continued) NF stage 56 vs. 62 (more methylated in Stage 62)

scaffold_378:739800-741000
scaffold_38:1466200-1466600
scaffold_38:1872400-1872800
scaffold_393:280000-280400
scaffold_395:364200-364800
scaffold_40:2903400-2904000
scaffold_41:155200-155800
scaffold_41:1434200-1434600
scaffold_418:285000-285600
scaffold_424:997200-997600
scaffold_46:1933000-1933600
scaffold_46:1961800-1962200
scaffold_46:3107000-3107600
scaffold_46:3300600-3301200
scaffold_465:187400-187800
scaffold_467:134400-134800
scaffold_467:675600-676000
scaffold_467:734400-735000
scaffold_467:736000-736600
scaffold_47:2640400-2640800
scaffold_47:2658200-2659000
scaffold_47:2789600-2790000
scaffold_47:2853200-2853600
scaffold_47:2976400-2977600
scaffold_47:3021400-3022800
scaffold_47:3026600-3027200
scaffold_48:1075600-1077200
scaffold_48:1368400-1368800
scaffold_51:1265800-1266800
scaffold_53:989000-989400
scaffold_533:22000-22600
scaffold_535:539200-539600
scaffold_536:412600-413200
scaffold_58:1491800-1492200
scaffold_581:37600-38000
scaffold_610:46200-46600
scaffold_610:101400-102000
scaffold_610:103000-103400
scaffold_671:121800-122400
scaffold_736:96000-96400

(continued) NF stage 56 vs. 62 (more methylated in Stage 62)

scaffold_736:131600-132000
scaffold_753:453800-454400
scaffold_80:330800-332200
scaffold_8389:10600-11200
scaffold_9:1252400-1252800
scaffold_9:1260800-1261200
scaffold_96:519400-520000

NF stage 56 vs. 66 (less methylated in Stage 66) (105 regions)

scaffold_1:2574200-2574600
scaffold_1:3033400-3034000
scaffold_1:3211000-3211400
scaffold_1:3358000-3358600
scaffold_1:3433600-3434000
scaffold_1:4654600-4655000
scaffold_1:4982400-4982800
scaffold_1:5412400-5412800
scaffold_1:5650400-5650800
scaffold_1:6382000-6382400
scaffold_1:7295000-7295400
scaffold_1073:21800-22200
scaffold_108:1013600-1014400
scaffold_1100:166800-167400
scaffold_1130:106600-107200
scaffold_115:1001600-1002200
scaffold_1169:66800-67400
scaffold_122:839600-840200
scaffold_137:258800-259200
scaffold_137:1498200-1498600
scaffold_140:149400-150000
scaffold_140:209800-210200
scaffold_1429:52800-53400
scaffold_147:302400-302800
scaffold_1491:10200-10800
scaffold_150:1666200-1666800
scaffold_150:1668400-1669000
scaffold_153:588000-588600
scaffold_153:1322000-1322600

(continued) NF stage 56 vs. 66 (less methylated in Stage 66)

scaffold_153:1454600-1455000
scaffold_153:1486600-1487000
scaffold_153:1537000-1537600
scaffold_154:562800-563400
scaffold_1620:21000-22600
scaffold_179:1256400-1256800
scaffold_180:1729200-1729600
scaffold_182:374600-375000
scaffold_191:351000-351400
scaffold_191:1054600-1055000
scaffold_191:1075400-1076000
scaffold_1935:17400-18000
scaffold_198:1589600-1590200
scaffold_198:1862800-1863400
scaffold_2:468200-468600
scaffold_205:174000-174600
scaffold_205:353800-354200
scaffold_205:1149200-1149600
scaffold_205:1516800-1517400
scaffold_205:1712800-1713200
scaffold_226:118800-119200
scaffold_25:2965800-2966200
scaffold_25:3445600-3446000
scaffold_25:4040400-4040800
scaffold_255:1628600-1629200
scaffold_27:2212400-2212800
scaffold_27:3295000-3295600
scaffold_274:779200-779800
scaffold_28:534800-535400
scaffold_28:1818200-1818600
scaffold_28:2643200-2643600
scaffold_281:71600-72000
scaffold_281:405000-405400
scaffold_287:852000-852400
scaffold_287:1023000-1023400
scaffold_301:1053000-1053600
scaffold_333:295800-296400
scaffold_35:3989200-3989800
scaffold_3571:2200-2800
scaffold_3939:3200-3800

(continued) NF stage 56 vs. 66 (less methylated in Stage 66)

scaffold_4:1472000-1472400
scaffold_410:753200-753800
scaffold_417:133400-134000
scaffold_44:150600-151000
scaffold_46:2879600-2880200
scaffold_47:1047800-1048200
scaffold_47:1227400-1227800
scaffold_504:257800-258200
scaffold_531:178200-178600
scaffold_571:282000-282600
scaffold_582:171800-172200
scaffold_582:422200-422800
scaffold_59:1106200-1106600
scaffold_638:608400-609000
scaffold_655:246000-246400
scaffold_655:347800-348400
scaffold_68:357400-358000
scaffold_70:168600-169000
scaffold_70:305200-305800
scaffold_70:399000-399400
scaffold_70:1908000-1908400
scaffold_702:282400-283000
scaffold_708:42800-43400
scaffold_748:378200-378800
scaffold_78:652400-652800
scaffold_8:885200-885600
scaffold_8:2489400-2489800
scaffold_8595:12400-13000
scaffold_86:562400-562800
scaffold_884:68800-69200
scaffold_884:79200-79800
scaffold_892:297000-298000
scaffold_897:43400-44000
scaffold_929:43400-43800
scaffold_971:74600-75000
scaffold_971:108400-109000

NF stage 56 vs. 66 (more methylated in Stage 66) (33 regions)

scaffold_1825:3600-4200
scaffold_202:1713800-1714400
scaffold_210:1463800-1464200
scaffold_210:1478200-1478800
scaffold_245:301600-302200
scaffold_280:944800-945400
scaffold_3:6051200-6051800
scaffold_301:330800-331400
scaffold_312:854200-854800
scaffold_371:313400-314000
scaffold_378:739600-741000
scaffold_400:423600-424000
scaffold_400:441800-442400
scaffold_47:2543600-2544000
scaffold_47:2634400-2635000
scaffold_47:2640200-2640800
scaffold_47:2658200-2659200
scaffold_47:2853200-2853600
scaffold_47:2976200-2977400
scaffold_47:3009400-3009800
scaffold_47:3011000-3011600
scaffold_47:3021800-3022600
scaffold_47:3026600-3027200
scaffold_5:5399600-5400200
scaffold_53:989000-989600
scaffold_60:1221400-1222000
scaffold_60:2653400-2654000
scaffold_72:2278200-2278800
scaffold_732:122000-122600
scaffold_80:330800-332200
scaffold_80:333800-334600
scaffold_912:110400-111000
scaffold_995:76000-76600

NF stage 62 vs. 66 (less methylated in Stage 66) (156 regions)

scaffold_100:475200-475600
scaffold_100:2086800-2087200
scaffold_101:944400-944800
scaffold_102:1481200-1481600
scaffold_103:71200-71600
scaffold_107:1037800-1038200
scaffold_107:1339800-1340200
scaffold_116:1571200-1571600
scaffold_123:953200-953800
scaffold_123:1293800-1294200
scaffold_123:1316200-1316600
scaffold_123:1633400-1633800
scaffold_127:1931800-1932400
scaffold_13:1493800-1494200
scaffold_13:2417600-2418200
scaffold_1323:39200-39800
scaffold_1350:56200-56800
scaffold_137:253000-253400
scaffold_137:258600-259400
scaffold_137:339800-340200
scaffold_137:439800-440200
scaffold_137:903000-903600
scaffold_137:1292200-1292800
scaffold_137:1403400-1404600
scaffold_137:1498400-1498800
scaffold_137:1502800-1503400
scaffold_142:420200-420600
scaffold_150:811800-812200
scaffold_150:1436800-1437200
scaffold_150:1569200-1569600
scaffold_150:1666200-1666600
scaffold_153:268000-268400
scaffold_153:1214000-1214400
scaffold_153:1574600-1575000
scaffold_153:1606000-1606400
scaffold_153:1820000-1820400
scaffold_154:616200-616600
scaffold_154:1802000-1802800
scaffold_165:549800-550200
scaffold_165:1625600-1626200

(continued) NF stage 62 vs. 66 (less methylated in Stage 66)

scaffold_166:362600-363000
scaffold_176:484800-485400
scaffold_191:238800-239400
scaffold_191:272400-272800
scaffold_191:729200-729800
scaffold_191:1073200-1073800
scaffold_191:1345800-1347200
scaffold_191:1809000-1809600
scaffold_192:1615400-1616000
scaffold_194:1843200-1843800
scaffold_195:412000-412400
scaffold_198:375200-375600
scaffold_198:679600-680000
scaffold_198:751600-752400
scaffold_198:800800-801200
scaffold_198:877200-877600
scaffold_198:894400-894800
scaffold_198:1193600-1194200
scaffold_198:1631200-1631800
scaffold_2:468200-468600
scaffold_2:660800-661400
scaffold_205:187000-187400
scaffold_205:289600-290200
scaffold_205:322400-323000
scaffold_205:465600-466000
scaffold_205:718600-719000
scaffold_205:948200-948600
scaffold_207:149400-150000
scaffold_22:2071200-2071600
scaffold_22:3215600-3216000
scaffold_22:4482600-4483200
scaffold_235:285000-285600
scaffold_237:989200-989600
scaffold_237:1524000-1524600
scaffold_237:1539800-1540200
scaffold_260:1471200-1471800
scaffold_27:1640800-1641200
scaffold_27:2008600-2009000
scaffold_27:2294200-2294600
scaffold_28:1182400-1182800

(continued) NF stage 62 vs. 66 (less methylated in Stage 66)

scaffold_280:160600-161000
scaffold_280:493400-494000
scaffold_291:240000-240600
scaffold_300:180600-181200
scaffold_314:1028400-1029000
scaffold_317:100800-101200
scaffold_322:947200-947800
scaffold_323:494200-494600
scaffold_347:178600-179200
scaffold_368:866800-867200
scaffold_368:888200-888600
scaffold_368:888800-889200
scaffold_368:891200-891600
scaffold_368:1071400-1071800
scaffold_368:1129600-1130000
scaffold_368:1141200-1141800
scaffold_369:264000-264400
scaffold_369:626600-627200
scaffold_37:2051800-2052200
scaffold_38:1252600-1253000
scaffold_4:5333600-5334200
scaffold_405:165200-165800
scaffold_422:400600-401200
scaffold_426:275600-276000
scaffold_426:722400-722800
scaffold_426:790200-790800
scaffold_427:93400-93800
scaffold_435:907400-908000
scaffold_436:328400-328800
scaffold_437:873400-874000
scaffold_441:60200-60600
scaffold_441:712600-713200
scaffold_459:817000-817400
scaffold_535:645200-645600
scaffold_535:668000-668600
scaffold_549:683800-684400
scaffold_553:232000-232600
scaffold_610:103000-103600
scaffold_610:121800-122200
scaffold_610:201600-202200

(continued) NF stage 62 vs. 66 (less methylated in Stage 66)

scaffold_610:286400-287000
scaffold_633:291600-292000
scaffold_633:423000-423600
scaffold_647:35600-36000
scaffold_654:484200-484800
scaffold_659:15200-15600
scaffold_67:919400-919800
scaffold_67:1040800-1041200
scaffold_671:121800-122400
scaffold_712:355800-356200
scaffold_721:69400-69800
scaffold_721:493400-494000
scaffold_75:1006400-1006800
scaffold_753:338800-339400
scaffold_753:381000-381400
scaffold_753:453800-454400
scaffold_753:456200-456600
scaffold_753:462800-463400
scaffold_759:216000-216600
scaffold_760:438600-439200
scaffold_78:2912000-2912600
scaffold_804:30600-31200
scaffold_81:2630000-2630600
scaffold_836:114200-114800
scaffold_841:304400-305000
scaffold_849:60200-60600
scaffold_8595:12200-12800
scaffold_878:296200-296800
scaffold_884:202400-202800
scaffold_912:37600-38200
scaffold_929:38600-39200
scaffold_929:201000-201600
scaffold_929:239600-240200
scaffold_95:349000-349600
scaffold_96:510200-510600
scaffold_96:1469600-1470200

NF stage 62 vs. 66 (more methylated in Stage 66) (16 regions)

scaffold_1010:58000-58800
scaffold_1010:78800-79400
scaffold_1010:84000-84400
scaffold_1010:91000-91600
scaffold_1010:105400-106200
scaffold_137:28200-28800
scaffold_137:370400-371000
scaffold_137:566000-566400
scaffold_191:739400-739800
scaffold_191:1366200-1366600
scaffold_3349:6600-7600
scaffold_51:2664000-2664600
scaffold_547:4000-4600
scaffold_753:390600-391600
scaffold_761:426200-426800
scaffold_96:2274600-2275200

Supplemental Table 4.5. Patterns of gene expression changes identified by clustering analysis

Red = upregulated genes; Blue = downregulated gene

Pattern_1 : Peaks at NF stage 56 and decreases towards the end of metamorphosis – 75, 60, 22, 40 / 68, 43, 5

Cluster ID	Gene ID	Gene name	Description
5	ENSXETG00000014487	ALKBH8	alkB, alkylation repair homolog 8 [Source:Jamboree;Acc:XB-GENE-985927]
5	ENSXETG00000014471	ATM	ataxia telangiectasia mutated [Source:Jamboree;Acc:XB-GENE-493810]
5	ENSXETG00000004705	ATP6V0D1	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1 [Source:Jamboree;Acc:XB-GENE-989918]
5	ENSXETG00000011159	BANK1	B-cell scaffold protein with ankyrin repeats 1 [Source:Jamboree;Acc:XB-GENE-952296]
5	ENSXETG00000023146	CLCN3	chloride channel 3 [Source:Jamboree;Acc:XB-GENE-950794]
5	ENSXETG00000000135	CRIP2	cysteine-rich protein 2 [Source:Jamboree;Acc:XB-GENE-953187]
5	ENSXETG00000009634	CSRNP2	cysteine-serine-rich nuclear protein 2 [Source:Jamboree;Acc:XB-GENE-983697]
5	ENSXETG00000018483	CWF19L2	CWF19-like 2, cell cycle control [Source:Jamboree;Acc:XB-GENE-985900]
5	ENSXETG00000006574	DPP6	dipeptidyl-peptidase 6 [Source:Jamboree;Acc:XB-GENE-999312]
5	ENSXETG00000007078	ENDOD1	endonuclease domain containing 1 [Source:Jamboree;Acc:XB-GENE-877303]
5	ENSXETG00000026177	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3 [Source:Jamboree;Acc:XB-GENE-992774]
5	ENSXETG00000002361	GPI	glucose-6-phosphate isomerase [Source:Jamboree;Acc:XB-GENE-944058]
5	ENSXETG00000013115	KIAA0895	KIAA0895 protein [Source:Jamboree;Acc:XB-GENE-5831988]
5	ENSXETG00000000685	MTMR9	myotubularin related protein 9 [Source:Jamboree;Acc:XB-GENE-1000525]
5	XLOC_014131	N/A	N/A
5	XLOC_016560	N/A	N/A
5	ENSXETG00000023867	NACA	nascent polypeptide-associated complex alpha subunit [Source:Jamboree;Acc:XB-GENE-5961006]
5	ENSXETG00000018016	SYBU	syntabulin (syntaxin-interacting) [Source:Jamboree;Acc:XB-GENE-979776]
5	ENSXETG00000012428	TMEM164	transmembrane protein 164 [Source:Jamboree;Acc:XB-GENE-961759]
22	ENSXETG00000011615	FAM171A2	family with sequence similarity 171, member A2 [Source:Jamboree;Acc:XB-GENE-5900474]
22	ENSXETG00000011560	FOXP2	forkhead box P2 [Source:Jamboree;Acc:XB-GENE-482683]
22	ENSXETG00000016179	H2AFJ	H2A histone family, member J [Source:Jamboree;Acc:XB-GENE-5838625]
22	ENSXETG00000016086	HDGFRP3	hepatoma-derived growth factor, related protein 3 [Source:Jamboree;Acc:XB-GENE-947032]
22	ENSXETG00000017099	KIF21B	kinesin family member 21B [Source:Jamboree;Acc:XB-GENE-981200]
22	ENSXETG00000000719	L1CAM	L1 cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-5914700]
22	ENSXETG00000024137	N/A	N/A
22	XLOC_002715	N/A	N/A
22	ENSXETG00000011665	NCAM1	neural cell adhesion molecule 1 precursor [Source:RefSeq peptide;Acc:NP_001090869]
22	ENSXETG00000024518	PCDHGA3	protocadherin gamma subfamily A, 3 [Source:Jamboree;Acc:XB-GENE-6460373]
22	ENSXETG00000000014	PSD	pleckstrin and Sec7 domain containing [Source:Jamboree;Acc:XB-GENE-6467347]
22	ENSXETG00000016983	RTN1	reticulon 1 [Source:Jamboree;Acc:XB-GENE-1011333]
22	ENSXETG00000007104	SDC3	syndecan 3 [Source:Jamboree;Acc:XB-GENE-490747]
40	XLOC_010383	N/A	N/A
40	ENSXETG00000000800	PNISR	PNN-interacting serine/arginine-rich protein [Source:Jamboree;Acc:XB-GENE-977237]
40	ENSXETG00000018359	ZMIZ1	zinc finger, MIZ-type containing 1 [Source:Jamboree;Acc:XB-GENE-1021737]
43	ENSXETG00000027165	AGBL5	ATP/GTP binding protein-like 5 [Source:Jamboree;Acc:XB-GENE-958770]
43	ENSXETG00000008095	ATP6V1H	ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H [Source:Jamboree;Acc:XB-GENE-1015115]
43	ENSXETG00000025020	CDK5R2	cyclin-dependent kinase 5, regulatory subunit 2 (p39) [Source:Jamboree;Acc:XB-GENE-921924]
43	ENSXETG00000008860	HK1	hexokinase 1 [Source:Jamboree;Acc:XB-GENE-944850]
43	ENSXETG00000024790	KIF3C	kinesin family member 3C [Source:Jamboree;Acc:XB-GENE-959437]
43	ENSXETG00000015061	MAP6	microtubule-associated protein 6 [Source:Jamboree;Acc:XB-GENE-995345]
43	ENSXETG00000021233	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T8E4]
43	ENSXETG00000021340	N/A	N/A
43	XLOC_025485	N/A	N/A
43	ENSXETG00000019410	PAFAH1B1	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa) [Source:Jamboree;Acc:XB-GENE-1002843]
43	ENSXETG00000022670	SYNGR3	synaptogyrin 3 [Source:Jamboree;Acc:XB-GENE-949635]
43	ENSXETG00000010951	XB-GENE-5901010	hypothetical protein LOC548655 [Source:Jamboree;Acc:XB-GENE-5901010]
43	ENSXETG00000008971	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Source:Jamboree;Acc:XB-GENE-951350]
60	ENSXETG00000013480	AP2B1	adaptor-related protein complex 2, beta 1 subunit [Source:Jamboree;Acc:XB-GENE-5871354]
60	ENSXETG00000014758	DNER	delta/notch-like EGF repeat containing [Source:Jamboree;Acc:XB-GENE-478578]
60	ENSXETG00000002459	GPM6A	glycoprotein M6A [Source:Jamboree;Acc:XB-GENE-1000183]
60	ENSXETG00000012563	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6ZIL0]
60	XLOC_008856	N/A	N/A
60	ENSXETG00000004521	RTN4	reticulon 4 [Source:Jamboree;Acc:XB-GENE-1012585]
60	ENSXETG00000014261	STXBP1	syntaxin binding protein 1 [Source:Jamboree;Acc:XB-GENE-945143]
60	ENSXETG00000013597	UNC13A	unc-13 homolog A [Source:Jamboree;Acc:XB-GENE-6039664]
60	ENSXETG00000023134	XPR1	xenotropic and polytropic retrovirus receptor 1 [Source:Jamboree;Acc:XB-GENE-1015946]
68	ENSXETG00000001210	AACS	acetoacetyl-CoA synthetase [Source:Jamboree;Acc:XB-GENE-490085]
68	ENSXETG00000001227	DPYSL5	dihydropyrimidinase-like 5 [Source:Jamboree;Acc:XB-GENE-6073088]
68	ENSXETG00000016587	HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble) [Source:Jamboree;Acc:XB-GENE-942074]
68	ENSXETG00000024544	RFX7	regulatory factor X, 7 [Source:Jamboree;Acc:XB-GENE-1008447]
68	ENSXETG00000023757	SCD	stearoyl-CoA desaturase (delta-9-desaturase) [Source:Jamboree;Acc:XB-GENE-988226]
68	ENSXETG00000012549	SH3BP5	SH3-domain binding protein 5 (BTK-associated) [Source:Jamboree;Acc:XB-GENE-959548]
68	ENSXETG00000019261	SOBP	sine oculis binding protein homolog [Source:RefSeq peptide;Acc:NP_001096678]
68	ENSXETG00000023050	SQLE	squalene epoxidase [Source:Jamboree;Acc:XB-GENE-1013583]
68	ENSXETG00000007666	ST3GAL2.1	ST3 beta-galactoside alpha-2,3-sialyltransferase 2, gene 1 [Source:Jamboree;Acc:XB-GENE-963532]
75	ENSXETG00000008423	CNIH2	cornichon homolog 2 [Source:Jamboree;Acc:XB-GENE-952875]
75	ENSXETG00000015810	CNTN1	contactin 1 [Source:Jamboree;Acc:XB-GENE-491714]
75	ENSXETG00000012138	KIF1A	kinesin family member 1A [Source:Jamboree;Acc:XB-GENE-960470]
75	ENSXETG00000006230	KIF5A	kinesin family member 5A [Source:Jamboree;Acc:XB-GENE-983714]
75	ENSXETG00000009706	N/A	N/A
75	XLOC_012305	N/A	N/A
75	XLOC_014784	N/A	N/A
75	XLOC_027288	N/A	N/A
75	XLOC_044698	N/A	N/A
75	ENSXETG00000016160	NDRG2	NDRG family member 2 [Source:Jamboree;Acc:XB-GENE-951910]
75	ENSXETG00000004653	PPIP5K1	diphosphoinositol pentakisphosphate kinase 1 [Source:Jamboree;Acc:XB-GENE-6258750]
75	ENSXETG00000004211	SEZ6L	seizure related 6 homolog-like [Source:Jamboree;Acc:XB-GENE-6258883]
75	ENSXETG00000006147	SPOCK2	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 2 [Source:Jamboree;Acc:XB-GENE-1003767]

75	ENSXETG00000004864	SULT4A1	sulfotransferase family 4A, member 1 [Source:Jamboree;Acc:XB-GENE-979812]
75	ENSXETG00000012053	TMEM145	transmembrane protein 145 [Source:Jamboree;Acc:XB-GENE-977882]

Pattern_2 : Keep increasing throughout metamorphosis (opposite of Pattern 8) – 78, 26, 62, 57, 53 / 76, 37, 17

Cluster ID	Gene ID	Gene name	Description
17	ENSXETG00000024528	CFAP70	cilia and flagella associated protein 70 [Source:HGNC Symbol;Acc:HGNC:30726]
17	ENSXETG00000010185	DIXDC1	DIX domain containing 1 [Source:Jamboree;Acc:XB-GENE-6039929]
17	ENSXETG00000016154	INPP5J	inositol polyphosphate-5-phosphatase J [Source:Jamboree;Acc:XB-GENE-984978]
17	ENSXETG00000001623	N/A	N/A
17	ENSXETG00000018161	N/A	N/A
17	XLOC_032368	N/A	N/A
17	ENSXETG00000024397	NR1D1	nuclear receptor subfamily 1, group D, member 1 [Source:Jamboree;Acc:XB-GENE-478094]
17	ENSXETG00000016712	TMEM159	transmembrane protein 159 [Source:Jamboree;Acc:XB-GENE-941359]
17	ENSXETG00000021842	TPD52L1	tumor protein D52-like 1 [Source:Jamboree;Acc:XB-GENE-961168]
26	ENSXETG00000013407	AATK	apoptosis-associated tyrosine kinase [Source:Jamboree;Acc:XB-GENE-989910]
26	ENSXETG00000022538	ADAM12	ADAM metallopeptidase domain 12 [Source:Jamboree;Acc:XB-GENE-982139]
26	ENSXETG00000008262	ADAM17	ADAM metallopeptidase domain 17 [Source:Jamboree;Acc:XB-GENE-492534]
26	ENSXETG00000003175	C1QL1	complement component 1, q subcomponent-like 1 [Source:Jamboree;Acc:XB-GENE-962848]
26	ENSXETG00000007450	C1QL3	complement component 1, q subcomponent-like 3 [Source:Jamboree;Acc:XB-GENE-992410]
26	ENSXETG00000006824	CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit [Source:Jamboree;Acc:XB-GENE-993391]
26	ENSXETG00000021136	CPLX3	complexin 3 [Source:Jamboree;Acc:XB-GENE-978410]
26	ENSXETG00000003160	DBP	D site of albumin promoter (albumin D-box) binding protein [Source:Jamboree;Acc:XB-GENE-5995286]
26	ENSXETG00000022551	FANK1	fibronectin type III and ankyrin repeat domains 1 [Source:Jamboree;Acc:XB-GENE-6084370]
26	ENSXETG00000005344	FRMPD4	FERM and PDZ domain containing 4 [Source:Jamboree;Acc:XB-GENE-6050308]
26	ENSXETG00000010199	JUND.2	jun D proto-oncogene, gene 2 [Source:Jamboree;Acc:XB-GENE-1021801]
26	ENSXETG00000008873	KNDC1	kinase non-catalytic C-lobe domain (KIND) containing 1 [Source:Jamboree;Acc:XB-GENE-6258227]
26	ENSXETG00000008234	MAG	myelin associated glycoprotein [Source:Jamboree;Acc:XB-GENE-6462484]
26	ENSXETG00000002864	N/A	Synaptosomal-associated protein [Source:UniProtKB/TrEMBL;Acc:F7CZV2]
26	ENSXETG00000016457	N/A	N/A
26	ENSXETG00000021013	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SJB2]
26	ENSXETG00000022609	N/A	N/A
26	XLOC_000653	N/A	N/A
26	XLOC_015156	N/A	N/A
26	XLOC_021661	N/A	N/A
26	XLOC_025718	N/A	N/A
26	XLOC_039598	N/A	N/A
26	ENSXETG00000017009	N4BP2L1	NEDD4 binding protein 2-like 1 [Source:Jamboree;Acc:XB-GENE-1001194]
26	ENSXETG00000014601	NECAB1	N-terminal EF-hand calcium binding protein 1 [Source:Jamboree;Acc:XB-GENE-943030]
26	ENSXETG00000003330	OTOF	otoferlin [Source:Jamboree;Acc:XB-GENE-1006200]
26	ENSXETG00000017929	PDIA4	protein disulfide isomerase family A, member 4 [Source:Jamboree;Acc:XB-GENE-5892157]
26	ENSXETG00000005190	PTPRE	protein tyrosine phosphatase, receptor type, E [Source:Jamboree;Acc:XB-GENE-982136]
26	ENSXETG00000023679	RASSF5	Ras association (RalGDS/AF-6) domain family member 5 [Source:Jamboree;Acc:XB-GENE-6468139]
26	ENSXETG00000004167	SHROOM1	shroom family member 1 [Source:Jamboree;Acc:XB-GENE-6492080]
26	ENSXETG00000008597	SYTL5	synaptotagmin-like 5 [Source:Jamboree;Acc:XB-GENE-982310]
26	ENSXETG00000010002	XB-GENE-987370	Putative ortholog of urokinase-type plasminogen activator precursor (EC 3.4.21.73) (uPA) (U-plasminogen activator), 1 of 1 [Source:Jamboree;Acc:XB-GENE-987370]
26	ENSXETG00000028993	XTR-MIR-128-2	xtr-mir-128-2 [Source:miRBase;Acc:MI0004828]
37	ENSXETG00000016588	ACSL6	acyl-CoA synthetase long-chain family member 6 [Source:Jamboree;Acc:XB-GENE-5834989]
37	ENSXETG00000016889	ADCY4	adenylate cyclase 4 [Source:Jamboree;Acc:XB-GENE-984909]
37	ENSXETG00000022755	CACNB2	calcium channel, voltage-dependent, beta 2 subunit [Source:Jamboree;Acc:XB-GENE-962360]
37	ENSXETG00000007710	CSMD1	CUB and Sushi multiple domains 1 [Source:HGNC Symbol;Acc:HGNC:14026]
37	ENSXETG00000019797	HAPLN1	hyaluronan and proteoglycan link protein 1 [Source:Jamboree;Acc:XB-GENE-6037477]
37	ENSXETG00000001622	HCRTR2	hypocretin (orexin) receptor 2 [Source:Jamboree;Acc:XB-GENE-952341]
37	ENSXETG00000003936	HEPACAM	hepatic and glial cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-6051119]
37	ENSXETG00000018247	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4 [Source:Jamboree;Acc:XB-GENE-492827]
37	ENSXETG00000004849	MAOA	monoamine oxidase A [Source:Jamboree;Acc:XB-GENE-5749883]
37	ENSXETG00000005864	N/A	N/A
37	ENSXETG00000014065	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q2C8]
37	XLOC_002628	N/A	N/A
37	XLOC_025964	N/A	N/A
37	XLOC_039577	N/A	N/A
37	ENSXETG00000012808	PCDH20	protocadherin 20 [Source:Jamboree;Acc:XB-GENE-484153]
37	ENSXETG00000005675	RGS2	regulator of G-protein signaling 2, 24kDa [Source:Jamboree;Acc:XB-GENE-968776]
37	ENSXETG00000016758	XB-GENE-1002559	Putative ortholog of ras-related protein Rab-14, 1 of 2 [Source:Jamboree;Acc:XB-GENE-1002559]
37	ENSXETG00000000694	ZDHHC2	zinc finger, DHHC-type containing 2 [Source:Jamboree;Acc:XB-GENE-947256]
53	ENSXETG00000001880	ARHGAP26	Rho GTPase activating protein 26 [Source:Jamboree;Acc:XB-GENE-1011980]
53	ENSXETG00000012714	ARHGEF37	Rho guanine nucleotide exchange factor (GEF) 37 [Source:Jamboree;Acc:XB-GENE-988765]
53	ENSXETG00000006832	CHAD	chondroadherin [Source:Jamboree;Acc:XB-GENE-957654]
53	ENSXETG00000025547	CRYGC	crystallin, gamma C [Source:Jamboree;Acc:XB-GENE-954819]
53	ENSXETG00000003885	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2 [Source:Jamboree;Acc:XB-GENE-6258041]
53	ENSXETG00000005142	DOCK10	dedicator of cytokinesis 10 [Source:Jamboree;Acc:XB-GENE-1004971]
53	ENSXETG00000008652	FAM107A	family with sequence similarity 107, member A [Source:Jamboree;Acc:XB-GENE-986180]
53	ENSXETG00000004411	HSD17B6	hydroxysteroid (17-beta) dehydrogenase 6 homolog [Source:Jamboree;Acc:XB-GENE-5821225]
53	ENSXETG00000004097	HSPA1A	heat shock 70kDa protein 1A [Source:Jamboree;Acc:XB-GENE-5842877]
53	ENSXETG00000018674	IRF6	interferon regulatory factor 6 [Source:Jamboree;Acc:XB-GENE-876410]
53	ENSXETG00000008622	LAMB2	laminin, beta 2 (laminin S) [Source:Jamboree;Acc:XB-GENE-5935962]
53	ENSXETG00000015828	LOXL4	lysyl oxidase-like 4 [Source:Jamboree;Acc:XB-GENE-988332]
53	ENSXETG00000012373	LRRC7	leucine rich repeat containing 7 [Source:Jamboree;Acc:XB-GENE-956973]
53	ENSXETG00000016474	LZTS1	leucine zipper, putative tumor suppressor 1 [Source:Jamboree;Acc:XB-GENE-960311]
53	ENSXETG00000002639	N/A	uncharacterized protein LOC100170623 [Source:RefSeq peptide;Acc:NP_001123856]
53	ENSXETG00000017472	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YPV9]
53	ENSXETG00000025546	N/A	N/A
53	XLOC_009414	N/A	N/A
53	XLOC_014447	N/A	N/A
53	XLOC_022907	N/A	N/A
53	XLOC_023443	N/A	N/A
53	XLOC_031606	N/A	N/A
53	XLOC_032373	N/A	N/A
53	ENSXETG00000003869	NR1D2	nuclear receptor subfamily 1, group D, member 2 [Source:Jamboree;Acc:XB-GENE-478410]

53	ENSXETG00000015091	OSBPL1A	oxysterol binding protein-like 1A [Source:Jamboree;Acc:XB-GENE-1011513]
53	ENSXETG00000016183	OTOL1	otolin 1 [Source:Jamboree;Acc:XB-GENE-950285]
53	ENSXETG00000026788	PLEKHB2	pleckstrin homology domain containing, family B (evectins) member 2 [Source:Jamboree;Acc:XB-GENE-983205]
53	ENSXETG00000025416	RDH16	retinol dehydrogenase 16 (all-trans) [Source:Jamboree;Acc:XB-GENE-1007896]
53	ENSXETG00000026439	SAMD7	sterile alpha motif domain containing 7 [Source:Jamboree;Acc:XB-GENE-948462]
53	ENSXETG00000007895	SCCPDH.2	saccharopine dehydrogenase (putative) [Source:Jamboree;Acc:XB-GENE-5761597]
53	ENSXETG00000024551	SCEL	sciellin [Source:Jamboree;Acc:XB-GENE-998743]
53	ENSXETG00000003796	SHANK2	SH3 and multiple ankyrin repeat domains 2 [Source:Jamboree;Acc:XB-GENE-984534]
53	ENSXETG00000004098	SMG9	smg-9 homolog, nonsense mediated mRNA decay factor (C. elegans) [Source:Jamboree;Acc:XB-GENE-990837]
53	ENSXETG00000005370	T	T, brachyury homolog [Source:Jamboree;Acc:XB-GENE-478789]
53	ENSXETG00000015766	TCIRG1	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit A3 [Source:Jamboree;Acc:XB-GENE-5721917]
53	ENSXETG00000000326	TMTC1	transmembrane and tetratricopeptide repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:24099]
53	ENSXETG00000000198	TRERF1	transcriptional regulating factor 1 [Source:Jamboree;Acc:XB-GENE-940630]
53	ENSXETG00000001048	TRPM6	transient receptor potential cation channel, subfamily M, member 6 [Source:Jamboree;Acc:XB-GENE-958179]
57	ENSXETG00000019317	APOE	apolipoprotein E [Source:Jamboree;Acc:XB-GENE-853213]
57	ENSXETG00000007899	CXCL14	chemokine (C-X-C motif) ligand 14 [Source:Jamboree;Acc:XB-GENE-944199]
57	ENSXETG00000000074	DOCK3	dedicator of cytokinesis 3 [Source:Jamboree;Acc:XB-GENE-855883]
57	ENSXETG00000015416	GPR78	G protein-coupled receptor 78 [Source:Jamboree;Acc:XB-GENE-5799776]
57	ENSXETG00000017651	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3 [Source:Jamboree;Acc:XB-GENE-6071710]
57	ENSXETG00000007872	HGF	hepatocyte growth factor (hepapoietin A; scatter factor) [Source:Jamboree;Acc:XB-GENE-999992]
57	ENSXETG00000019639	HK2	hexokinase 2 [Source:Jamboree;Acc:XB-GENE-5817381]
57	ENSXETG00000008215	LPPR4	lipid phosphate phosphatase-related protein type 4 [Source:Jamboree;Acc:XB-GENE-976836]
57	ENSXETG00000021655	MBNL1	muscleblind-like [Source:Jamboree;Acc:XB-GENE-6035557]
57	XLOC_026682	N/A	N/A
57	XLOC_030987	N/A	N/A
57	XLOC_034730	N/A	N/A
57	XLOC_039578	N/A	N/A
57	ENSXETG00000012264	PDE2A	phosphodiesterase 2A, cGMP-stimulated [Source:Jamboree;Acc:XB-GENE-5945995]
57	ENSXETG00000005657	PENK	proenkephalin [Source:Jamboree;Acc:XB-GENE-942760]
57	ENSXETG00000003918	PHKB	phosphorylase kinase, beta [Source:Jamboree;Acc:XB-GENE-1010420]
57	ENSXETG00000002823	RYR1	ryanodine receptor 1 (skeletal) [Source:Jamboree;Acc:XB-GENE-1013509]
57	ENSXETG00000018810	SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12 [Source:Jamboree;Acc:XB-GENE-1002100]
62	ENSXETG00000003978	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2 [Source:Jamboree;Acc:XB-GENE-969968]
62	ENSXETG00000022231	ACCS	1-aminocyclopropane-1-carboxylate synthase homolog [Source:Jamboree;Acc:XB-GENE-989873]
62	ENSXETG00000005212	ARL8B	ADP-ribosylation factor-like 8B [Source:Jamboree;Acc:XB-GENE-490246]
62	ENSXETG00000009501	CAPNS1	calpain, small subunit 1 [Source:Jamboree;Acc:XB-GENE-6039680]
62	ENSXETG00000010782	GULP1	GULP, engulfment adaptor PTB domain containing 1 [Source:Jamboree;Acc:XB-GENE-968617]
62	ENSXETG00000010449	KCTD14	potassium channel tetramerisation domain containing 14 [Source:Jamboree;Acc:XB-GENE-5816880]
62	ENSXETG00000010993	MKL2	MKL/myocardin-like 2 [Source:Jamboree;Acc:XB-GENE-487634]
62	ENSXETG00000010881	N/A	N/A
62	ENSXETG00000018973	N/A	N/A
62	XLOC_002272	N/A	N/A
62	XLOC_020756	N/A	N/A
62	XLOC_028521	N/A	N/A
62	XLOC_042750	N/A	N/A
62	ENSXETG00000010566	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4 [Source:Jamboree;Acc:XB-GENE-951845]
62	ENSXETG00000000593	PCOLCE2	procollagen C-endopeptidase enhancer 2 [Source:Jamboree;Acc:XB-GENE-1015978]
62	ENSXETG00000001678	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta [Source:Jamboree;Acc:XB-GENE-987075]
62	ENSXETG00000007699	PNCK	pregnancy up-regulated non-ubiquitously expressed CaM kinase [Source:Jamboree;Acc:XB-GENE-961042]
62	ENSXETG00000006797	PRICKLE1	prickle homolog 1 [Source:Jamboree;Acc:XB-GENE-486941]
62	ENSXETG00000011676	SGCB	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein) [Source:Jamboree;Acc:XB-GENE-943307]
62	ENSXETG00000003607	TMEM30A	transmembrane protein 30A [Source:Jamboree;Acc:XB-GENE-5816275]
62	ENSXETG00000003271	TRPM8	transient receptor potential cation channel, subfamily M, member 8 [Source:Jamboree;Acc:XB-GENE-998832]
62	ENSXETG00000021133	ULK3	unc-51-like kinase 3 [Source:Jamboree;Acc:XB-GENE-5958931]
76	ENSXETG00000024478	CRIP1	cysteine-rich protein 1 (intestinal) [Source:Jamboree;Acc:XB-GENE-953194]
76	ENSXETG00000023031	EFR3A	EFR3 homolog A [Source:Jamboree;Acc:XB-GENE-493102]
76	ENSXETG00000019566	FGF1	fibroblast growth factor 1 (acidic) [Source:Jamboree;Acc:XB-GENE-485966]
76	ENSXETG00000005906	KIAA1217	KIAA1217 [Source:Jamboree;Acc:XB-GENE-6048493]
76	ENSXETG00000011477	LRCH1	leucine-rich repeats and calponin homology (CH) domain containing 1 [Source:Jamboree;Acc:XB-GENE-6033840]
76	ENSXETG00000005338	N/A	N/A
76	ENSXETG00000022763	N/A	N/A
76	XLOC_009888	N/A	N/A
76	ENSXETG00000010535	PHYHIP	phytanoyl-CoA 2-hydroxylase interacting protein [Source:Jamboree;Acc:XB-GENE-999561]
76	ENSXETG00000003366	RAB27B	RAB27B, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-491764]
76	ENSXETG00000017281	TTC16	tetratricopeptide repeat domain 16 [Source:Jamboree;Acc:XB-GENE-6462920]
78	ENSXETG00000013147	ADAMTS9	ADAM metallopeptidase with thrombospondin type 1 motif, 9 [Source:Jamboree;Acc:XB-GENE-1013537]
78	ENSXETG00000001888	APPL2	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2 [Source:Jamboree;Acc:XB-GENE-855619]
78	ENSXETG00000013951	C14ORF129	chromosome 14 open reading frame 129 [Source:Jamboree;Acc:XB-GENE-987914]
78	ENSXETG00000010286	CNKSR2	connector enhancer of kinase suppressor of Ras 2 [Source:Jamboree;Acc:XB-GENE-490704]
78	ENSXETG00000021097	COL25A1.2	collagen, type XXV, alpha 1, gene 2 [Source:RefSeq peptide;Acc:NP_001123747]
78	ENSXETG00000022015	ENTPD3	ectonucleoside triphosphate diphosphohydrolase 3 [Source:Jamboree;Acc:XB-GENE-1012972]
78	ENSXETG00000020393	FAIM2	Fas apoptotic inhibitory molecule 2 [Source:Jamboree;Acc:XB-GENE-953203]
78	ENSXETG00000023228	FBXO32	F-box protein 32 [Source:Jamboree;Acc:XB-GENE-959057]
78	ENSXETG00000017916	GALNTL1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1 [Source:Jamboree;Acc:XB-GENE-986567]
78	ENSXETG00000017409	KIAA0513	KIAA0513 [Source:Jamboree;Acc:XB-GENE-5956311]
78	ENSXETG00000010788	MBP	myelin basic protein [Source:Jamboree;Acc:XB-GENE-959616]
78	ENSXETG00000019058	MYH14	myosin, heavy chain 14, non-muscle [Source:Jamboree;Acc:XB-GENE-6468587]
78	ENSXETG00000008275	MZT2B	mitotic spindle organizing protein 2B [Source:Jamboree;Acc:XB-GENE-5737867]
78	ENSXETG00000006079	N/A	N/A
78	ENSXETG00000010050	N/A	N/A
78	ENSXETG00000017945	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7B6A5]
78	ENSXETG00000019543	N/A	N/A

78	ENSXETG00000023715	N/A	N/A
78	XLOC_020119	N/A	N/A
78	XLOC_033609	N/A	N/A
78	XLOC_042970	N/A	N/A
78	ENSXETG00000021812	PDK3	pyruvate dehydrogenase kinase, isozyme 3 [Source:Jamboree;Acc:XB-GENE-964797]
78	ENSXETG00000007279	PFKM	phosphofructokinase, muscle [Source:Jamboree;Acc:XB-GENE-1000684]
78	ENSXETG00000006535	PRICKLE2	prickle homolog 2 [Source:Jamboree;Acc:XB-GENE-482891]
78	ENSXETG00000012179	RTN4R	reticulon 4 receptor [Source:Jamboree;Acc:XB-GENE-6065292]
78	ENSXETG00000014343	SEZ6	seizure related 6 homolog [Source:Jamboree;Acc:XB-GENE-1013132]
78	ENSXETG00000018672	SGSM1	small G protein signaling modulator 1 [Source:Jamboree;Acc:XB-GENE-6043600]
78	ENSXETG00000025095	SH3BGR	SH3 domain binding glutamic acid-rich protein [Source:Jamboree;Acc:XB-GENE-946020]
78	ENSXETG00000002987	SLC44A5	solute carrier family 44, member 5 [Source:Jamboree;Acc:XB-GENE-987953]

Pattern_3 : Keep decreasing throughout metamorphosis (opposite of Pattern 1) – 50, 36, 23, 41, 79, 27, 2 / 21, 16

Cluster ID	Gene ID	Gene name	Description
2	ENSXETG00000018751	ALDH1A3	aldehyde dehydrogenase 1 family, member A3 [Source:Jamboree;Acc:XB-GENE-992885]
2	ENSXETG00000024664	ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa [Source:Jamboree;Acc:XB-GENE-494089]
2	ENSXETG00000016836	ATP13A4	ATPase type 13A4 [Source:Jamboree;Acc:XB-GENE-978090]
2	ENSXETG00000011778	CCT7	chaperonin containing TCP1, subunit 7 (eta) [Source:Jamboree;Acc:XB-GENE-988120]
2	ENSXETG00000006803	CDCA4	cell division cycle associated 4 [Source:Jamboree;Acc:XB-GENE-992111]
2	ENSXETG00000013409	CHMP6	chromatin modifying protein 6 [Source:Jamboree;Acc:XB-GENE-973527]
2	ENSXETG00000015050	CLDN1	claudin 1 [Source:Jamboree;Acc:XB-GENE-951609]
2	ENSXETG00000003634	CLIC6	chloride intracellular channel 6 [Source:Jamboree;Acc:XB-GENE-6039572]
2	ENSXETG00000003154	COLEC12	collectin sub-family member 12 [Source:Jamboree;Acc:XB-GENE-984626]
2	ENSXETG00000015938	CYP1C1	cytochrome P450 family 1 subfamily C polypeptide 1 [Source:RefSeq peptide;Acc:NP_001191176]
2	ENSXETG00000003833	HNRNPA0	heterogeneous nuclear ribonucleoprotein A0 [Source:Jamboree;Acc:XB-GENE-1000573]
2	ENSXETG00000009352	LDLR	low density lipoprotein receptor [Source:Jamboree;Acc:XB-GENE-962372]
2	ENSXETG00000003251	LIMD2	LIM domain containing 2 [Source:Jamboree;Acc:XB-GENE-986974]
2	ENSXETG00000009770	MSN	moesin [Source:Jamboree;Acc:XB-GENE-1004600]
2	ENSXETG00000000354	N/A	N/A
2	XLOC_041728	N/A	N/A
2	ENSXETG00000003519	ODC1	ornithine decarboxylase 1 [Source:Jamboree;Acc:XB-GENE-478945]
2	ENSXETG00000010420	PMP2	peripheral myelin protein 2 [Source:Jamboree;Acc:XB-GENE-977969]
2	ENSXETG00000007199	PPP1R14B	protein phosphatase 1, regulatory (inhibitor) subunit 14B [Source:Jamboree;Acc:XB-GENE-485314]
2	ENSXETG00000023744	PTP4A3	protein tyrosine phosphatase type IVA, member 3 [Source:Jamboree;Acc:XB-GENE-943078]
2	ENSXETG00000009151	SEPT12	septin 12 [Source:Jamboree;Acc:XB-GENE-5894593]
2	ENSXETG00000022689	SOX14	SRY (sex determining region Y)-box 14 [Source:Jamboree;Acc:XB-GENE-485370]
2	ENSXETG00000018075	SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein [Source:Jamboree;Acc:XB-GENE-920046]
2	ENSXETG00000000908	TAL2	T-cell acute lymphocytic leukemia 2 [Source:Jamboree;Acc:XB-GENE-965184]
2	ENSXETG00000028970	XTR-MIR-7-1	xtr-mir-7-1 [Source:miRBase;Acc:MI0004790]
2	ENSXETG00000016118	ZMAT2	zinc finger, matrin-type 2 [Source:Jamboree;Acc:XB-GENE-1217476]
16	ENSXETG00000020610	CD97	CD97 molecule [Source:Jamboree;Acc:XB-GENE-952950]
16	ENSXETG00000012355	DACH1	dachshund homolog 1 [Source:Jamboree;Acc:XB-GENE-980849]
16	ENSXETG00000014193	DBX1	developing brain homeobox 1 [Source:Jamboree;Acc:XB-GENE-480177]
16	ENSXETG00000020607	DDX39A	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A [Source:Jamboree;Acc:XB-GENE-966447]
16	ENSXETG00000002600	EGLN2	egl nine homolog 2 [Source:Jamboree;Acc:XB-GENE-961781]
16	ENSXETG00000016916	HMGB2	high mobility group box 2 [Source:Jamboree;Acc:XB-GENE-1000246]
16	ENSXETG00000001800	HOXD3	homeobox D3 [Source:Jamboree;Acc:XB-GENE-478462]
16	ENSXETG00000007214	HS3ST6	heparan sulfate (glucosamine) 3-O-sulfotransferase 6 [Source:Jamboree;Acc:XB-GENE-966707]
16	ENSXETG00000014290	ILF2	interleukin enhancer binding factor 2, 45kDa [Source:Jamboree;Acc:XB-GENE-876477]
16	ENSXETG00000005818	IRX3	iroquois homeobox 3 [Source:Jamboree;Acc:XB-GENE-480486]
16	ENSXETG00000013183	LMX1A	LIM homeobox transcription factor 1, alpha [Source:Jamboree;Acc:XB-GENE-481569]
16	ENSXETG00000001967	MDK	midkine (neurite growth-promoting factor 2) [Source:Jamboree;Acc:XB-GENE-488502]
16	ENSXETG00000011473	MEIS1	Meis homeobox 1 [Source:Jamboree;Acc:XB-GENE-479439]
16	ENSXETG00000008188	N/A	N/A
16	ENSXETG00000021078	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6ZB06]
16	XLOC_008769	N/A	N/A
16	XLOC_014555	N/A	N/A
16	XLOC_035249	N/A	N/A
16	XLOC_037903	N/A	N/A
16	ENSXETG00000001112	NHS	Nance-Horan syndrome (congenital cataracts and dental anomalies) [Source:Jamboree;Acc:XB-GENE-5872334]
16	ENSXETG00000012699	NIT1	nitrilase 1 [Source:Jamboree;Acc:XB-GENE-975428]
16	ENSXETG00000020288	NTN3	netrin 3 [Source:Jamboree;Acc:XB-GENE-960264]
16	ENSXETG00000018527	PAX7	paired box 7 [Source:Jamboree;Acc:XB-GENE-487140]
16	ENSXETG00000012702	PFDN2	prefoldin subunit 2 [Source:Jamboree;Acc:XB-GENE-997342]
16	ENSXETG00000022757	PTMA	prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-978347]
16	ENSXETG00000012244	PTX3	pentraxin 3, long [Source:HGNC Symbol;Acc:HGNC:9692]
16	ENSXETG00000003937	ROBO4	roundabout homolog 4, magic roundabout [Source:Jamboree;Acc:XB-GENE-955396]
16	ENSXETG00000003876	SLBP	stem-loop binding protein [Source:Jamboree;Acc:XB-GENE-480369]
16	ENSXETG00000023815	SOCS2	suppressor of cytokine signaling 2 [Source:Jamboree;Acc:XB-GENE-487261]
16	ENSXETG00000023439	SOX11	SRY (sex determining region Y)-box 11 [Source:Jamboree;Acc:XB-GENE-483418]
16	ENSXETG00000001701	SRSF3	serine/arginine-rich splicing factor 3 [Source:Jamboree;Acc:XB-GENE-490817]
16	ENSXETG00000008099	TCEA1	transcription elongation factor A (SII), 1 [Source:Jamboree;Acc:XB-GENE-1001315]
16	ENSXETG00000005347	TMSB4X	thymosin beta 4, X-linked [Source:Jamboree;Acc:XB-GENE-6258559]
16	ENSXETG00000006442	TOX3	TOX high mobility group box family member 3 [Source:Jamboree;Acc:XB-GENE-5887160]
16	ENSXETG00000012240	VEPH1	ventricular zone expressed PH domain homolog 1 [Source:Jamboree;Acc:XB-GENE-6041921]
16	ENSXETG00000017980	VPS24	vacuolar protein sorting 24 homolog [Source:Jamboree;Acc:XB-GENE-1005141]
16	ENSXETG00000016987	ZFP36L1	zinc finger protein 36, C3H type-like 1 [Source:Jamboree;Acc:XB-GENE-966625]
21	ENSXETG00000026360	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6 [Source:Jamboree;Acc:XB-GENE-6465366]
21	ENSXETG00000027641	ACTG1	actin, gamma 1 [Source:Jamboree;Acc:XB-GENE-491618]
21	ENSXETG00000009304	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide [Source:Jamboree;Acc:XB-GENE-977214]
21	ENSXETG00000021962	CBX1	chromobox homolog 1 [Source:Jamboree;Acc:XB-GENE-1005974]
21	ENSXETG00000018739	CDO1	cysteine dioxygenase, type I [Source:Jamboree;Acc:XB-GENE-998513]
21	ENSXETG00000018919	CNN3	calponin 3, acidic [Source:Jamboree;Acc:XB-GENE-951266]
21	ENSXETG00000008167	EIF3M	eukaryotic translation initiation factor 3, subunit M [Source:Jamboree;Acc:XB-GENE-968605]
21	ENSXETG00000003608	FILIP1	filamin A interacting protein 1 [Source:Jamboree;Acc:XB-GENE-1003881]
21	ENSXETG00000019628	GPR98	G protein-coupled receptor 98 [Source:Jamboree;Acc:XB-GENE-1010012]
21	ENSXETG00000024626	HBD	hemoglobin, delta [Source:Jamboree;Acc:XB-GENE-5844531]
21	ENSXETG00000008830	HELLS	helicase, lymphoid-specific [Source:Jamboree;Acc:XB-GENE-5883772]

21	ENSXETG00000025097	HMGN1	high mobility group nucleosome binding domain 1 [Source:Jamboree;Acc:XB-GENE-5782073]
21	ENSXETG00000003569	KARS	lysyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-943468]
21	ENSXETG00000020417	KRT5.7	keratin 5, gene 7 [Source:Jamboree;Acc:XB-GENE-876869]
21	ENSXETG00000007948	LBH	limb bud and heart development homolog [Source:Jamboree;Acc:XB-GENE-5945476]
21	ENSXETG00000005162	LMNB1	lamin B1 [Source:Jamboree;Acc:XB-GENE-489658]
21	ENSXETG00000016967	LTBP4	latent transforming growth factor beta binding protein 4 [Source:Jamboree;Acc:XB-GENE-992148]
21	ENSXETG00000012216	MSI1	musashi homolog 1 [Source:Jamboree;Acc:XB-GENE-490596]
21	ENSXETG00000001006	N/A	N/A
21	ENSXETG00000001715	N/A	N/A
21	ENSXETG00000007433	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N303]
21	ENSXETG00000024075	N/A	N/A
21	ENSXETG00000002713	NAA40	N(alpha)-acetyltransferase 40, NatD catalytic subunit, homolog [Source:Jamboree;Acc:XB-GENE-5846020]
21	ENSXETG00000019915	NES	nestin [Source:Jamboree;Acc:XB-GENE-490506]
21	ENSXETG00000002570	NOTCH3	notch 3 [Source:Jamboree;Acc:XB-GENE-6450008]
21	ENSXETG00000018892	PTCH2	patched 2 [Source:Jamboree;Acc:XB-GENE-1033868]
21	ENSXETG00000014939	SMO	smoothened, frizzled family receptor [Source:Jamboree;Acc:XB-GENE-487420]
21	ENSXETG00000008954	SRSF1	serine/arginine-rich splicing factor 1 [Source:Jamboree;Acc:XB-GENE-486875]
21	ENSXETG00000023739	WRB	tryptophan rich basic protein [Source:Jamboree;Acc:XB-GENE-956728]
21	ENSXETG00000029151	XTR-MIR-363	xtr-mir-363 [Source:miRBase;Acc:MI0004955]
21	ENSXETG00000004417	ZBTB39	zinc finger and BTB domain containing 39 [Source:Jamboree;Acc:XB-GENE-957946]
23	ENSXETG00000016725	ACP5	acid phosphatase 5, tartrate resistant [Source:Jamboree;Acc:XB-GENE-957094]
23	ENSXETG00000008158	BMS1	BMS1 homolog, ribosome assembly protein [Source:Jamboree;Acc:XB-GENE-5796193]
23	ENSXETG00000023094	CDCA5	cell division cycle associated 5 [Source:Jamboree;Acc:XB-GENE-5908127]
23	ENSXETG00000027337	CEBPG	CCAAT/enhancer binding protein (C/EBP), gamma [Source:Jamboree;Acc:XB-GENE-919758]
23	ENSXETG00000006073	DEPDC1B	DEP domain containing 1B [Source:Jamboree;Acc:XB-GENE-991208]
23	ENSXETG00000017712	EMB	embigin [Source:Jamboree;Acc:XB-GENE-6258633]
23	ENSXETG00000003878	FAM53A	family with sequence similarity 53, member A [Source:Jamboree;Acc:XB-GENE-920487]
23	ENSXETG00000012144	FAM83D	family with sequence similarity 83, member D [Source:Jamboree;Acc:XB-GENE-964363]
23	ENSXETG00000017708	FOXB1	forkhead box B1 [Source:Jamboree;Acc:XB-GENE-1018255]
23	ENSXETG00000008840	FZD2	frizzled family receptor 2 [Source:Jamboree;Acc:XB-GENE-487022]
23	ENSXETG00000023749	GPR20	G protein-coupled receptor 20 [Source:Jamboree;Acc:XB-GENE-6040269]
23	ENSXETG00000017616	HHIP	hedgehog interacting protein [Source:Jamboree;Acc:XB-GENE-487499]
23	ENSXETG00000008404	HSPA9	heat shock 70kDa protein 9 (mortalin) [Source:Jamboree;Acc:XB-GENE-960228]
23	ENSXETG00000000546	LHFPL2	lipoma HMGIC fusion partner-like 2 [Source:Jamboree;Acc:XB-GENE-958342]
23	XLOC_007587	N/A	N/A
23	XLOC_017024	N/A	N/A
23	XLOC_032258	N/A	N/A
23	ENSXETG00000010463	NUF2	NUF2, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-1001441]
23	ENSXETG00000019626	PAH	phenylalanine hydroxylase [Source:Jamboree;Acc:XB-GENE-991085]
23	ENSXETG00000019579	PMP22	peripheral myelin protein 22 [Source:Jamboree;Acc:XB-GENE-1004858]
23	ENSXETG00000015449	PRC1	protein regulator of cytokinesis 1 [Source:Jamboree;Acc:XB-GENE-963901]
23	ENSXETG00000013383	RACGAP1	Rac GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-943983]
23	ENSXETG00000012330	SH3BGRL3	SH3 domain binding glutamic acid-rich protein like 3 [Source:Jamboree;Acc:XB-GENE-965976]
23	ENSXETG00000000683	SLC7A2.1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 1 [Source:Jamboree;Acc:XB-GENE-994549]
23	ENSXETG00000008717	SMC4	structural maintenance of chromosomes 4 [Source:Jamboree;Acc:XB-GENE-5865855]
23	ENSXETG00000011768	TTK	TTK protein kinase [Source:Jamboree;Acc:XB-GENE-953775]
23	ENSXETG00000004021	UNCX	UNC homeobox [Source:Jamboree;Acc:XB-GENE-920201]
23	ENSXETG00000000312	XB-GENE-981231	Putative ortholog of kinesin-like protein KIF14, 1 of 1 [Source:Jamboree;Acc:XB-GENE-981231]
23	ENSXETG00000004635	XB-GENE-990339	Putative ortholog of g-protein coupled receptor family C group 5 member C precursor (Retinoic acid induced gene 3 protein) (RAIG-3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-990339]
27	ENSXETG00000020333	ACAA2	acetyl-CoA acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-5827758]
27	ENSXETG00000016439	APH1A	anterior pharynx defective 1 homolog A [Source:Jamboree;Acc:XB-GENE-921428]
27	ENSXETG00000021646	CFD	complement factor D (adipsin) [Source:Jamboree;Acc:XB-GENE-973605]
27	ENSXETG00000026410	CHD4	chromodomain helicase DNA binding protein 4 [Source:Jamboree;Acc:XB-GENE-995848]
27	ENSXETG00000005925	DUS4L	dihydrouridine synthase 4-like [Source:Jamboree;Acc:XB-GENE-982821]
27	ENSXETG00000006939	FTSJ3	FtsJ homolog 3 [Source:Jamboree;Acc:XB-GENE-5797493]
27	ENSXETG00000020454	KRT8	keratin 8 [Source:Jamboree;Acc:XB-GENE-876929]
27	ENSXETG00000000742	LMX1B.1	LIM homeobox transcription factor 1, beta, gene 1 [Source:Jamboree;Acc:XB-GENE-494750]
27	XLOC_009052	N/A	N/A
27	XLOC_025928	N/A	N/A
27	ENSXETG00000010597	NUP205	nucleoporin 205kDa [Source:Jamboree;Acc:XB-GENE-1009711]
27	ENSXETG00000009689	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isozyme [Source:Jamboree;Acc:XB-GENE-5948033]
27	ENSXETG00000010159	PPP2R2A	protein phosphatase 2, regulatory subunit B, alpha [Source:Jamboree;Acc:XB-GENE-971147]
27	ENSXETG00000022626	PRMT5	protein arginine methyltransferase 5 [Source:Jamboree;Acc:XB-GENE-975034]
27	ENSXETG00000009522	PSMD1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1 [Source:Jamboree;Acc:XB-GENE-989959]
27	ENSXETG00000006324	RANBP1	RAN binding protein 1 [Source:Jamboree;Acc:XB-GENE-490910]
36	ENSXETG00000003459	ADA	adenosine deaminase [Source:Jamboree;Acc:XB-GENE-950501]
36	ENSXETG00000009516	ANP32C	acidic (leucine-rich) nuclear phosphoprotein 32 family, member C [Source:Jamboree;Acc:XB-GENE-991758]
36	ENSXETG00000003123	CDK1	cyclin-dependent kinase 1 [Source:Jamboree;Acc:XB-GENE-482750]
36	ENSXETG00000020708	CKAP2	cytoskeleton associated protein 2 [Source:Jamboree;Acc:XB-GENE-1004436]
36	ENSXETG00000010784	COL5A2	collagen, type V, alpha 2 [Source:HGNC Symbol;Acc:HGNC:2210]
36	ENSXETG00000022080	EMX2	empty spiracles homeobox 2 [Source:Jamboree;Acc:XB-GENE-481028]
36	ENSXETG00000018474	GARS	glycyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-963079]
36	ENSXETG00000005400	GPC4	glypican 4 [Source:Jamboree;Acc:XB-GENE-976427]
36	ENSXETG00000023567	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9) [Source:Jamboree;Acc:XB-GENE-876768]
36	ENSXETG00000019581	HS3ST3A1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1 [Source:Jamboree;Acc:XB-GENE-989270]
36	ENSXETG00000007330	HYAL2	hyaluronoglucosaminidase 2 [Source:Jamboree;Acc:XB-GENE-5799791]
36	ENSXETG00000012279	LAMB1	laminin, beta 1 [Source:Jamboree;Acc:XB-GENE-1011014]
36	ENSXETG00000004854	MCM4	minichromosome maintenance complex component 4 [Source:Jamboree;Acc:XB-GENE-1011481]
36	ENSXETG00000021602	MFRP	membrane frizzled-related protein [Source:Jamboree;Acc:XB-GENE-482030]
36	ENSXETG00000012095	MOBKL1B	MOB1, Mps One Binder kinase activator-like 1B [Source:Jamboree;Acc:XB-GENE-950160]
36	ENSXETG00000005331	MRC2	mannose receptor, C type 2 [Source:Jamboree;Acc:XB-GENE-486996]
36	XLOC_014771	N/A	N/A
36	XLOC_033466	N/A	N/A
36	XLOC_040619	N/A	N/A
36	ENSXETG00000020032	PDCD2L	programmed cell death 2-like [Source:Jamboree;Acc:XB-GENE-5805051]
36	ENSXETG00000003623	PSAT1	phosphoserine aminotransferase 1 [Source:Jamboree;Acc:XB-GENE-1016013]
36	ENSXETG00000014056	RTKN2	rhotekin 2 [Source:Jamboree;Acc:XB-GENE-993318]
36	ENSXETG00000008324	S100A11	S100 calcium binding protein A11 [Source:Jamboree;Acc:XB-GENE-5784685]
36	ENSXETG00000011640	S1PR5	sphingosine-1-phosphate receptor 5 [Source:Jamboree;Acc:XB-GENE-5902381]
36	ENSXETG00000000261	SEPT3	septin 3 [Source:Jamboree;Acc:XB-GENE-1002286]

36	ENSXETG00000026087	SFRP2	secreted frizzled-related protein 2 [Source:Jamboree;Acc:XB-GENE-485147]
36	ENSXETG00000018957	SLC20A1	solute carrier family 20 (phosphate transporter), member 1 [Source:Jamboree;Acc:XB-GENE-482940]
36	ENSXETG00000015899	SLC7A2.2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 2 [Source:Jamboree;Acc:XB-GENE-5763997]
36	ENSXETG00000018148	TBX18	T-box 18 [Source:Jamboree;Acc:XB-GENE-489907]
36	ENSXETG00000025055	TP53	tumor protein p53 [Source:Jamboree;Acc:XB-GENE-484286]
36	ENSXETG00000019167	USPL1	ubiquitin specific peptidase like 1 [Source:Jamboree;Acc:XB-GENE-984428]
36	ENSXETG00000020398	WDR46	WD repeat domain 46 [Source:Jamboree;Acc:XB-GENE-489373]
36	ENSXETG00000021701	XB-GENE-971646	Putative ortholog of dNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (RLF beta subunit) (P102 protein) (P1-MCM3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-971646]
36	ENSXETG00000002643	ZMYM2	zinc finger, MYM-type 2 [Source:Jamboree;Acc:XB-GENE-961591]
41	ENSXETG00000005040	CAMTA1	calmodulin binding transcription activator 1 [Source:Jamboree;Acc:XB-GENE-6043633]
41	ENSXETG00000012175	CBX3	chromobox homolog 3 [Source:Jamboree;Acc:XB-GENE-492315]
41	ENSXETG00000016818	FOXD1	forkhead box D1 [Source:Jamboree;Acc:XB-GENE-488077]
41	ENSXETG00000027927	HIST2H3D	histone cluster 2, H3d [Source:Jamboree;Acc:XB-GENE-5889771]
41	ENSXETG00000008892	IRX4	iroquois homeobox 4 [Source:Jamboree;Acc:XB-GENE-480570]
41	ENSXETG00000021862	KHSRP	KH-type splicing regulatory protein [Source:Jamboree;Acc:XB-GENE-493317]
41	ENSXETG00000012482	KRT17	keratin 17 [Source:Jamboree;Acc:XB-GENE-490369]
41	ENSXETG00000022839	MECOM	MDS1 and EVI1 complex locus [Source:Jamboree;Acc:XB-GENE-980195]
41	XLOC_006385	N/A	N/A
41	XLOC_023423	N/A	N/A
41	XLOC_026754	N/A	N/A
41	XLOC_032909	N/A	N/A
41	ENSXETG00000016220	NID1	nidogen 1 [Source:Jamboree;Acc:XB-GENE-1003556]
41	ENSXETG00000027499	NUSAP1	nucleolar and spindle associated protein 1 [Source:Jamboree;Acc:XB-GENE-479486]
41	ENSXETG00000015687	OTX2	orthodenticle homeobox 2 [Source:Jamboree;Acc:XB-GENE-485220]
41	ENSXETG00000015309	PFN1	profilin 1 [Source:Jamboree;Acc:XB-GENE-5747742]
41	ENSXETG00000021083	PHOX2B	paired-like homeobox 2b [Source:Jamboree;Acc:XB-GENE-1000415]
41	ENSXETG00000018386	POU4F1.2	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-5996034]
41	ENSXETG00000016219	RNASET2	ribonuclease T2 [Source:Jamboree;Acc:XB-GENE-944135]
41	ENSXETG00000024151	SHD	Src homology 2 domain containing transforming protein D [Source:Jamboree;Acc:XB-GENE-492409]
41	ENSXETG00000016585	SLC7A5	solute carrier family 7 (amino acid transporter light chain, L system), member 5 [Source:Jamboree;Acc:XB-GENE-480035]
41	ENSXETG00000017566	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 [Source:Jamboree;Acc:XB-GENE-494817]
41	ENSXETG00000004471	SNRPE	small nuclear ribonucleoprotein polypeptide E [Source:Jamboree;Acc:XB-GENE-5922245]
41	ENSXETG00000021630	SNRPF	small nuclear ribonucleoprotein polypeptide F [Source:Jamboree;Acc:XB-GENE-1017067]
41	ENSXETG00000025407	SP5	Sp5 transcription factor [Source:Jamboree;Acc:XB-GENE-1217606]
41	ENSXETG00000017318	SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog [Source:Jamboree;Acc:XB-GENE-489820]
41	ENSXETG00000019603	TMEM52	transmembrane protein 52 [Source:Jamboree;Acc:XB-GENE-992217]
41	ENSXETG00000003689	XB-GENE-5796437	microsomal glutathione S-transferase 3-like [Source:Jamboree;Acc:XB-GENE-5796437]
50	ENSXETG00000009097	AURKB	aurora kinase B [Source:Jamboree;Acc:XB-GENE-1019626]
50	ENSXETG00000001016	CCNA2	cyclin A2 [Source:Jamboree;Acc:XB-GENE-923016]
50	ENSXETG00000015731	DLGAP5	discs, large homolog-associated protein 5 [Source:Jamboree;Acc:XB-GENE-481549]
50	ENSXETG00000020444	DSP	desmoplakin [Source:Jamboree;Acc:XB-GENE-492195]
50	ENSXETG00000023596	ECT2	epithelial cell transforming sequence 2 oncogene [Source:Jamboree;Acc:XB-GENE-998093]
50	ENSXETG00000022604	EEF1A1O	eukaryotic translation elongation factor 1 alpha 1, oocyte form [Source:Jamboree;Acc:XB-GENE-1218983]
50	ENSXETG00000007906	HMMR	hyaluronan-mediated motility receptor (RHAMM) [Source:Jamboree;Acc:XB-GENE-5851601]
50	ENSXETG00000006735	INCENP	inner centromere protein antigens 135/155kDa [Source:Jamboree;Acc:XB-GENE-990398]
50	ENSXETG00000002340	JAG1	jagged 1 [Source:Jamboree;Acc:XB-GENE-485662]
50	ENSXETG00000007829	KIF23	kinesin family member 23 [Source:Jamboree;Acc:XB-GENE-999865]
50	ENSXETG00000001594	KPNA2	karyopherin alpha-2 subunit like [Source:Jamboree;Acc:XB-GENE-979796]
50	ENSXETG00000006636	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U0Q2]
50	ENSXETG00000010419	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YY56]
50	XLOC_021724	N/A	N/A
50	XLOC_027855	N/A	N/A
50	XLOC_035008	N/A	N/A
50	XLOC_038426	N/A	N/A
50	ENSXETG00000013227	NKX6-1	NK6 homeobox 1 [Source:Jamboree;Acc:XB-GENE-483574]
50	ENSXETG00000016542	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1 [Source:Jamboree;Acc:XB-GENE-975736]
50	ENSXETG00000008729	OTOL1	otolin 1 [Source:HGNC Symbol;Acc:HGNC:34071]
50	ENSXETG00000020438	PBK	PDZ binding kinase [Source:Jamboree;Acc:XB-GENE-1017083]
50	ENSXETG00000025768	POLR2L.1	polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa, gene 1 [Source:Jamboree;Acc:XB-GENE-1003788]
50	ENSXETG00000026988	PRR11	proline rich 11 [Source:Jamboree;Acc:XB-GENE-942986]
50	ENSXETG00000020729	RAB13	RAB13, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-6070728]
50	ENSXETG00000000696	RAI14	retinoic acid induced 14 [Source:Jamboree;Acc:XB-GENE-979322]
50	ENSXETG00000006038	RASSF7	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7 [Source:Jamboree;Acc:XB-GENE-956640]
50	ENSXETG00000020435	RBM22	RNA binding motif protein 22 [Source:Jamboree;Acc:XB-GENE-971198]
50	ENSXETG00000019024	RPLP2	ribosomal protein, large, P2 [Source:Jamboree;Acc:XB-GENE-944337]
50	ENSXETG00000025510	RPS19	ribosomal protein S19 [Source:Jamboree;Acc:XB-GENE-968799]
50	ENSXETG00000010209	SMC2	structural maintenance of chromosomes 2 [Source:Jamboree;Acc:XB-GENE-5826169]
50	ENSXETG00000003874	TACC3	transforming, acidic coiled-coil containing protein 3 [Source:Jamboree;Acc:XB-GENE-483950]
50	ENSXETG00000025010	TGIF1	TGFB-induced factor homeobox 1 [Source:Jamboree;Acc:XB-GENE-853021]
50	ENSXETG00000010058	XARP	Axin-related protein [Source:Jamboree;Acc:XB-GENE-6449828]
50	ENSXETG00000015354	XB-GENE-5945160	Cry1 protein [Source:Jamboree;Acc:XB-GENE-5945160]
50	ENSXETG00000000291	XGB	x globin [Source:Jamboree;Acc:XB-GENE-5749914]
79	ENSXETG00000007838	ADAMTS7	ADAM metallopeptidase with thrombospondin type 1 motif, 7 [Source:Jamboree;Acc:XB-GENE-6037434]
79	ENSXETG00000023978	ARF6	ADP-ribosylation factor 6 [Source:Jamboree;Acc:XB-GENE-5743884]
79	ENSXETG00000024423	ATP5G3	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C3 (subunit 9) [Source:Jamboree;Acc:XB-GENE-853227]
79	ENSXETG00000003772	BCL7A	B-cell CLL/lymphoma 7A [Source:Jamboree;Acc:XB-GENE-5754603]
79	ENSXETG00000005972	CCND2	cyclin D2 [Source:Jamboree;Acc:XB-GENE-481219]
79	ENSXETG00000009054	CYB5R2	cytochrome b5 reductase 2 [Source:Jamboree;Acc:XB-GENE-1006041]
79	ENSXETG00000011221	EIF2S1	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa [Source:Jamboree;Acc:XB-GENE-989630]
79	ENSXETG00000020123	EIF4A1	eukaryotic translation initiation factor 4A1 [Source:Jamboree;Acc:XB-GENE-491256]
79	ENSXETG00000003957	EXD3	exonuclease 3'-5' domain containing 3 [Source:Jamboree;Acc:XB-GENE-6046956]
79	ENSXETG00000020146	EZH2	enhancer of zeste homolog 2 [Source:Jamboree;Acc:XB-GENE-956215]
79	ENSXETG00000003034	GPC5	glypican 5 [Source:Jamboree;Acc:XB-GENE-6031723]
79	ENSXETG00000005253	HDAC1	histone deacetylase 1 [Source:Jamboree;Acc:XB-GENE-479583]
79	ENSXETG00000005911	HES6.1	hairy and enhancer of split 6, gene 1 [Source:Jamboree;Acc:XB-GENE-1018104]

79	ENSXETG00000008032	IDH1	isocitrate dehydrogenase 1 (NADP+), soluble [Source:Jamboree;Acc:XB-GENE-1004994]
79	ENSXETG00000013891	KCNJ13	potassium inwardly-rectifying channel, subfamily J, member 13 [Source:Jamboree;Acc:XB-GENE-983214]
79	ENSXETG00000002588	MIA	melanoma inhibitory activity [Source:Jamboree;Acc:XB-GENE-974167]
79	ENSXETG00000004494	N/A	N/A
79	ENSXETG00000019406	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CCX7]
79	ENSXETG00000019411	N/A	N/A
79	ENSXETG00000019414	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CCU3]
79	XLOC_035012	N/A	N/A
79	XLOC_041704	N/A	N/A
79	XLOC_045433	N/A	N/A
79	ENSXETG00000021669	NCK2	NCK adaptor protein 2 [Source:Jamboree;Acc:XB-GENE-6083355]
79	ENSXETG00000021681	PKHD1	polycystic kidney and hepatic disease 1 (autosomal recessive) [Source:Jamboree;Acc:XB-GENE-854495]
79	ENSXETG00000005000	PRKX	protein kinase, X-linked [Source:Jamboree;Acc:XB-GENE-6046135]
79	ENSXETG00000003954	PTGDS	prostaglandin D2 synthase 21kDa (brain) [Source:Jamboree;Acc:XB-GENE-481708]
79	ENSXETG00000012802	RBM47	RNA binding motif protein 47 [Source:Jamboree;Acc:XB-GENE-976707]
79	ENSXETG00000002064	RUVBL1	RuvB-like 1 [Source:Jamboree;Acc:XB-GENE-486361]
79	ENSXETG00000007776	SFRP1	secreted frizzled-related protein 1 [Source:Jamboree;Acc:XB-GENE-488230]
79	ENSXETG00000009267	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2 [Source:Jamboree;Acc:XB-GENE-6041310]
79	ENSXETG00000025927	TDG	thymine-DNA glycosylase [Source:Jamboree;Acc:XB-GENE-1006128]
79	ENSXETG00000005391	THOC4	THO complex 4 [Source:Jamboree;Acc:XB-GENE-973553]
79	ENSXETG00000013436	YBX1	Y box binding protein 1 [Source:Jamboree;Acc:XB-GENE-480746]

Pattern_4 : Sharp increase between NF stage 50 and 56, transient decrease at NF stage 62 before increases again at NF stage 66 (opposite of pattern 13) – 55

Cluster ID	Gene ID	Gene name	Description
55	ENSXETG00000008015	ADD1	adducin 1 (alpha) [Source:Jamboree;Acc:XB-GENE-995030]
55	ENSXETG00000006897	CBY1	chibby homolog 1 [Source:Jamboree;Acc:XB-GENE-856225]
55	ENSXETG00000007370	CCPG1	cell cycle progression 1 [Source:Jamboree;Acc:XB-GENE-1017213]
55	ENSXETG00000006900	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17 [Source:Jamboree;Acc:XB-GENE-1000758]
55	ENSXETG00000013393	DISP2	dispatched homolog 2 [Source:Jamboree;Acc:XB-GENE-994606]
55	ENSXETG00000024155	MPND	MPN domain containing [Source:Jamboree;Acc:XB-GENE-5858624]
55	ENSXETG00000026238	N/A	N/A
55	XLOC_012817	N/A	N/A
55	XLOC_015509	N/A	N/A
55	XLOC_041092	N/A	N/A
55	XLOC_041125	N/A	N/A
55	ENSXETG00000005188	NPTN	neuroplastin [Source:Jamboree;Acc:XB-GENE-1011670]
55	ENSXETG00000001119	PPM1E	protein phosphatase, Mg2+/Mn2+ dependent, 1E [Source:Jamboree;Acc:XB-GENE-877220]
55	ENSXETG00000019283	PTPRN	protein tyrosine phosphatase, receptor type, N [Source:Jamboree;Acc:XB-GENE-5871635]
55	ENSXETG00000002939	SCG2	secretogranin II [Source:Jamboree;Acc:XB-GENE-954296]
55	ENSXETG00000010122	SCN2B	sodium channel, voltage-gated, type II, beta [Source:Jamboree;Acc:XB-GENE-921739]
55	ENSXETG00000000993	SLC45A3	solute carrier family 45, member 3 [Source:Jamboree;Acc:XB-GENE-492251]
55	ENSXETG00000015096	SNAP25	synaptosomal-associated protein, 25kDa [Source:Jamboree;Acc:XB-GENE-948769]
55	ENSXETG00000012367	SYNE1	spectrin repeat containing, nuclear envelope 1 [Source:Jamboree;Acc:XB-GENE-5956642]
55	ENSXETG00000029598	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]

Pattern_5 : Sharp decrease between NF stage 50 and 56, transient increase at NF stage 62 and before decreases again at NF stage 66 (opposite of pattern 6) – 32, 6

Cluster ID	Gene ID	Gene name	Description
6	ENSXETG00000009105	AP4M1	adaptor-related protein complex 4, mu 1 subunit [Source:Jamboree;Acc:XB-GENE-970010]
6	ENSXETG00000000413	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4 [Source:Jamboree;Acc:XB-GENE-877077]
6	ENSXETG00000020551	GRID1	glutamate receptor, ionotropic, delta 1 [Source:Jamboree;Acc:XB-GENE-990290]
6	ENSXETG00000002665	HARS2	histidyl-tRNA synthetase 2, mitochondrial (putative) [Source:Jamboree;Acc:XB-GENE-5941573]
6	ENSXETG00000016795	IMP4	IMP4, U3 small nucleolar ribonucleoprotein, homolog [Source:Jamboree;Acc:XB-GENE-6040852]
6	ENSXETG00000025174	MARS	methionyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5952509]
6	ENSXETG00000001747	METTL17	methyltransferase like 17 [Source:Jamboree;Acc:XB-GENE-1001711]
6	ENSXETG00000027422	MRPL27	mitochondrial ribosomal protein L27 [Source:Jamboree;Acc:XB-GENE-993418]
6	ENSXETG00000020828	MRTO4	mRNA turnover 4 homolog [Source:Jamboree;Acc:XB-GENE-948010]
6	ENSXETG00000005683	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U6U3]
6	ENSXETG00000007980	N/A	N/A
6	ENSXETG00000015369	N/A	N/A
6	ENSXETG00000025279	N/A	N/A
6	ENSXETG00000026493	N/A	N/A
6	XLOC_003177	N/A	N/A
6	XLOC_021796	N/A	N/A
6	XLOC_029913	N/A	N/A
6	ENSXETG00000017097	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1 [Source:Jamboree;Acc:XB-GENE-963801]
6	ENSXETG00000011825	RDH10	retinol dehydrogenase 10 (all-trans) [Source:Jamboree;Acc:XB-GENE-944961]
6	ENSXETG00000029875	RNASEP_NUC	Nuclear RNase P [Source:RFAM;Acc:RF00009]
6	ENSXETG00000017069	SHCBP1	SHC SH2-domain binding protein 1 [Source:Jamboree;Acc:XB-GENE-5807675]
6	ENSXETG00000005947	SLC26A9	solute carrier family 26, member 9 [Source:Jamboree;Acc:XB-GENE-996559]
6	ENSXETG00000023000	TMED5	transmembrane emp24 protein transport domain containing 5 [Source:Jamboree;Acc:XB-GENE-951292]
6	ENSXETG00000024076	VARS	valyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-487344]
6	ENSXETG00000016375	VEGFA	vascular endothelial growth factor A [Source:Jamboree;Acc:XB-GENE-485744]
32	ENSXETG00000008129	ADAMTS3	ADAM metallopeptidase with thrombospondin type 1 motif, 3 [Source:Jamboree;Acc:XB-GENE-490472]
32	ENSXETG00000010865	ALDH1A2	aldehyde dehydrogenase 1 family, member A2 [Source:Jamboree;Acc:XB-GENE-1012909]
32	ENSXETG00000012959	ATAD3A	ATPase family, AAA domain containing 3A [Source:Jamboree;Acc:XB-GENE-946129]
32	ENSXETG00000001891	ELK3	ELK3, ETS-domain protein (SRF accessory protein 2) [Source:Jamboree;Acc:XB-GENE-853037]
32	ENSXETG00000002934	FARSB	phenylalanyl-tRNA synthetase, beta subunit [Source:Jamboree;Acc:XB-GENE-1015823]
32	ENSXETG00000010712	G3BP1	GTPase activating protein (SH3 domain) binding protein 1 [Source:Jamboree;Acc:XB-GENE-6036635]
32	ENSXETG00000016303	GJA5	gap junction protein, alpha 5, 40kDa [Source:Jamboree;Acc:XB-GENE-490481]
32	ENSXETG00000014717	KPNB1	karyopherin (importin) beta 1 [Source:Jamboree;Acc:XB-GENE-994068]
32	ENSXETG00000004899	LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) [Source:Jamboree;Acc:XB-GENE-5786978]
32	ENSXETG00000007856	METTL2B	methyltransferase like 2B [Source:Jamboree;Acc:XB-GENE-947877]
32	ENSXETG00000000233	MYH9	myosin, heavy chain 9, non-muscle [Source:Jamboree;Acc:XB-GENE-1002222]
32	XLOC_004789	N/A	N/A
32	XLOC_034615	N/A	N/A
32	ENSXETG00000009264	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2 [Source:Jamboree;Acc:XB-GENE-986763]
32	ENSXETG00000007235	PRELID1	PRELI domain containing 1 [Source:Jamboree;Acc:XB-GENE-1004789]
32	ENSXETG00000022636	PRSS35	protease, serine, 35 [Source:Jamboree;Acc:XB-GENE-991610]

32	ENSXETG00000007850	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3 [Source:Jamboree;Acc:XB-GENE-5765054]
32	ENSXETG00000015362	SLC25A22	solute carrier family 25 (mitochondrial carrier: glutamate), member 22 [Source:RefSeq peptide;Acc:NP_001005430]
32	ENSXETG00000025791	STOML2	stomatin (EPB72)-like 2 [Source:Jamboree;Acc:XB-GENE-1017042]
32	ENSXETG00000009868	TARS	threonyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-975289]
32	ENSXETG00000027231	TIMM10	translocase of inner mitochondrial membrane 10 homolog [Source:Jamboree;Acc:XB-GENE-967786]

Pattern_6 : Increases until NF stage 62 and plateaus (opposite of Pattern 9) – 25, 11, 15, 72 / 52, 74, 70, 67

Cluster ID	Gene ID	Gene name	Description
11	ENSXETG00000013366	ACCN2	amiloride-sensitive cation channel 2, neuronal [Source:Jamboree;Acc:XB-GENE-977699]
11	ENSXETG00000006385	AMOTL1	angiomotin like 1 [Source:Jamboree;Acc:XB-GENE-993664]
11	ENSXETG00000001985	ARHGAP1	Rho GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-1015089]
11	ENSXETG00000014950	CCDC136	coiled-coil domain containing 136 [Source:Jamboree;Acc:XB-GENE-5992991]
11	ENSXETG00000014940	CCDC93	coiled-coil domain containing 93 [Source:Jamboree;Acc:XB-GENE-5914327]
11	ENSXETG00000004425	DENND5A	DENN/MADD domain containing 5A [Source:Jamboree;Acc:XB-GENE-970289]
11	ENSXETG00000022070	EHD3	EH-domain containing 3 [Source:Jamboree;Acc:XB-GENE-961795]
11	ENSXETG00000008488	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6 [Source:Jamboree;Acc:XB-GENE-1010669]
11	ENSXETG00000007242	N/A	N/A
11	XLOC_044974	N/A	N/A
11	ENSXETG00000004033	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3 [Source:Jamboree;Acc:XB-GENE-1001604]
11	ENSXETG00000010680	SHISA2	shisa 2 [Source:Jamboree;Acc:XB-GENE-939915]
11	ENSXETG00000006915	SYNGR1	synaptogyrin 1 [Source:Jamboree;Acc:XB-GENE-494921]
11	ENSXETG00000025014	TMEM200C	transmembrane protein 200C [Source:Jamboree;Acc:XB-GENE-6462781]
11	ENSXETG00000011317	TNFRSF21	tumor necrosis factor receptor superfamily, member 21 [Source:Jamboree;Acc:XB-GENE-987803]
11	ENSXETG00000004612	TOLLIP	toll interacting protein [Source:Jamboree;Acc:XB-GENE-946207]
11	ENSXETG00000013401	UNC5D	unc-5 homolog D [Source:Jamboree;Acc:XB-GENE-922923]
11	ENSXETG00000017793	ZC4H2	zinc finger, C4H2 domain containing [Source:Jamboree;Acc:XB-GENE-941217]
15	ENSXETG00000020302	ANKFN1	ankyrin-repeat and fibronectin type III domain containing 1 [Source:Jamboree;Acc:XB-GENE-6035383]
15	ENSXETG00000023616	BPGM	2,3-bisphosphoglycerate mutase [Source:Jamboree;Acc:XB-GENE-981498]
15	ENSXETG00000017448	CCDC134	coiled-coil domain containing 134 [Source:Jamboree;Acc:XB-GENE-951215]
15	ENSXETG00000022112	CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like) [Source:Jamboree;Acc:XB-GENE-6037508]
15	ENSXETG00000016229	CHRM3	cholinergic receptor, muscarinic 3 [Source:Jamboree;Acc:XB-GENE-940647]
15	ENSXETG00000001810	DCHS2	dachsous 2 [Source:Jamboree;Acc:XB-GENE-6048959]
15	ENSXETG00000010247	FOXG1	forkhead box G1 [Source:Jamboree;Acc:XB-GENE-480076]
15	ENSXETG00000003595	N/A	N/A
15	XLOC_015115	N/A	N/A
15	XLOC_021848	N/A	N/A
15	XLOC_037170	N/A	N/A
15	XLOC_043897	N/A	N/A
15	ENSXETG00000015706	NTM	neurotrimin [Source:Jamboree;Acc:XB-GENE-6045425]
15	ENSXETG00000016853	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2 [Source:Jamboree;Acc:XB-GENE-966414]
15	ENSXETG00000009157	SLC7A14	solute carrier family 7 (orphan transporter), member 14 [Source:Jamboree;Acc:XB-GENE-1010371]
15	ENSXETG00000011257	SLCO4A1	solute carrier organic anion transporter family, member 4A1 [Source:Jamboree;Acc:XB-GENE-5905026]
15	ENSXETG00000014000	SPRED2	sprouty-related, EVH1 domain containing 2 [Source:Jamboree;Acc:XB-GENE-485591]
15	ENSXETG00000011517	SYN3	synapsin III [Source:HGNC Symbol;Acc:HGNC:11496]
15	ENSXETG00000012764	TNFAIP2	tumor necrosis factor, alpha-induced protein 2 [Source:Jamboree;Acc:XB-GENE-1005945]
15	ENSXETG00000022236	TSPAN18	tetraspanin 18 [Source:Jamboree;Acc:XB-GENE-868385]
25	ENSXETG00000006227	ARHGEF25	Rho guanine nucleotide exchange factor (GEF) 25 [Source:Jamboree;Acc:XB-GENE-6084380]
25	ENSXETG00000006627	CDH13	cadherin 13, H-cadherin (heart) [Source:Jamboree;Acc:XB-GENE-5752189]
25	ENSXETG00000013750	CNGB1	cyclic nucleotide gated channel beta 1 [Source:Jamboree;Acc:XB-GENE-980342]
25	ENSXETG00000001066	GPR63	G protein-coupled receptor 63 [Source:Jamboree;Acc:XB-GENE-1002460]
25	ENSXETG00000008604	LPPR5	lipid phosphate phosphatase-related protein type 5 [Source:Jamboree;Acc:XB-GENE-983941]
25	ENSXETG00000003692	MAN1C1	mannosidase, alpha, class 1C, member 1 [Source:Jamboree;Acc:XB-GENE-6076350]
25	ENSXETG00000004073	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UAX2]
25	ENSXETG00000024433	N/A	N/A
25	XLOC_003989	N/A	N/A
25	XLOC_011979	N/A	N/A
25	XLOC_016365	N/A	N/A
25	XLOC_031980	N/A	N/A
25	XLOC_042334	N/A	N/A
25	ENSXETG00000010777	NXPH1	neurexophilin 1 [Source:Jamboree;Acc:XB-GENE-5808393]
25	ENSXETG00000010034	PRKCG	protein kinase C, gamma [Source:Jamboree;Acc:XB-GENE-876551]
25	ENSXETG00000007521	RAPGEF4	Rap guanine nucleotide exchange factor (GEF) 4 [Source:Jamboree;Acc:XB-GENE-6048644]
25	ENSXETG00000017736	RERGL	RERG/RAS-like [Source:Jamboree;Acc:XB-GENE-6037390]
25	ENSXETG00000019115	RRAGD	Ras-related GTP binding D [Source:Jamboree;Acc:XB-GENE-490463]
25	ENSXETG00000015550	SLC2A13	solute carrier family 2 (facilitated glucose transporter), member 13 [Source:Jamboree;Acc:XB-GENE-492054]
25	ENSXETG00000000052	TYRO3	TYRO3 protein tyrosine kinase [Source:Jamboree;Acc:XB-GENE-922144]
25	ENSXETG00000012696	VAT1L	vesicle amine transport protein 1 homolog-like [Source:Jamboree;Acc:XB-GENE-952539]
52	ENSXETG00000015832	ANXA6	annexin A6 [Source:Jamboree;Acc:XB-GENE-989741]
52	ENSXETG00000005003	GYG2	glycogenin 2 [Source:Jamboree;Acc:XB-GENE-5854708]
52	ENSXETG00000012308	KCNG1	potassium voltage-gated channel, subfamily G, member 1 [Source:Jamboree;Acc:XB-GENE-1011042]
52	ENSXETG00000010902	MREG	melanoregulin [Source:Jamboree;Acc:XB-GENE-5735017]
52	ENSXETG00000020323	MYO5B	myosin VB [Source:Jamboree;Acc:XB-GENE-988439]
52	XLOC_008177	N/A	N/A
52	XLOC_028209	N/A	N/A
52	ENSXETG00000023430	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa [Source:Jamboree;Acc:XB-GENE-994226]
52	ENSXETG00000011604	PPP2R2C	protein phosphatase 2, regulatory subunit B, gamma [Source:Jamboree;Acc:XB-GENE-6076030]
52	ENSXETG00000009727	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit [Source:Jamboree;Acc:XB-GENE-1010726]
52	ENSXETG00000012564	RASGEF1B	RasGEF domain family, member 1B [Source:Jamboree;Acc:XB-GENE-1015760]
52	ENSXETG00000025078	SAMD13	sterile alpha motif domain containing 13 [Source:Jamboree;Acc:XB-GENE-5864959]
52	ENSXETG00000007222	TEX2.1	testis expressed 2, gene 1 [Source:Jamboree;Acc:XB-GENE-5879889]
52	ENSXETG00000007209	XB-GENE-5994048	N/A
67	ENSXETG00000019720	ACOT7	acyl-CoA thioesterase 7 [Source:Jamboree;Acc:XB-GENE-976869]
67	ENSXETG00000010380	ACVR1	activin A receptor, type I [Source:Jamboree;Acc:XB-GENE-478850]
67	ENSXETG00000010439	C11ORF73	chromosome 11 open reading frame 73 [Source:Jamboree;Acc:XB-GENE-967059]
67	ENSXETG00000022051	CDC42SE2	CDC42 small effector 2 [Source:Jamboree;Acc:XB-GENE-5744421]
67	ENSXETG00000000130	GSG1L	GSG1-like [Source:Jamboree;Acc:XB-GENE-5832503]
67	ENSXETG00000001861	INHBA	inhibin, beta A [Source:HGNC Symbol;Acc:HGNC:6066]

67	ENSXETG00000002120	LGI2	leucine-rich repeat LGI family, member 2 [Source:Jamboree;Acc:XB-GENE-995134]
67	ENSXETG00000021243	MMEL1	membrane metallo-endopeptidase-like 1 [Source:Jamboree;Acc:XB-GENE-991673]
67	ENSXETG00000015805	N/A	N/A
67	ENSXETG00000026432	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BCB8]
67	XLOC_023748	N/A	N/A
67	XLOC_031065	N/A	N/A
67	XLOC_038933	N/A	N/A
67	XLOC_041463	N/A	N/A
67	XLOC_041630	N/A	N/A
67	ENSXETG00000010280	PIK3C3	phosphoinositide-3-kinase, class 3 [Source:Jamboree;Acc:XB-GENE-6085226]
67	ENSXETG00000016596	PLXDC2	plexin domain containing 2 [Source:Jamboree;Acc:XB-GENE-856530]
67	ENSXETG00000001110	REPS2	RALBP1 associated Eps domain containing 2 [Source:Jamboree;Acc:XB-GENE-985000]
67	ENSXETG00000014976	SLC39A6	solute carrier family 39 (zinc transporter), member 6 [Source:Jamboree;Acc:XB-GENE-986480]
67	ENSXETG00000002216	SLC8A3	solute carrier family 8 (sodium/calcium exchanger), member 3 [Source:Jamboree;Acc:XB-GENE-954537]
67	ENSXETG00000008080	TASP1	taspase, threonine aspartase, 1 [Source:Jamboree;Acc:XB-GENE-5829718]
67	ENSXETG00000016992	TMEM121	transmembrane protein 121 [Source:Jamboree;Acc:XB-GENE-1012117]
70	ENSXETG00000013638	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif, 5 [Source:Jamboree;Acc:XB-GENE-961098]
70	ENSXETG00000000457	ADAMTS6	ADAM metallopeptidase with thrombospondin type 1 motif, 6 [Source:Jamboree;Acc:XB-GENE-951750]
70	ENSXETG00000023299	CAPN1	calpain 1, (mu/I) large subunit [Source:Jamboree;Acc:XB-GENE-990196]
70	ENSXETG00000024887	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1) [Source:Jamboree;Acc:XB-GENE-487802]
70	ENSXETG00000015029	DISP1	dispatched homolog 1 [Source:Jamboree;Acc:XB-GENE-1018540]
70	ENSXETG00000002144	FGF12	fibroblast growth factor 12 [Source:Jamboree;Acc:XB-GENE-479999]
70	ENSXETG00000014693	GALR1	galanin receptor 1 [Source:Jamboree;Acc:XB-GENE-5797254]
70	ENSXETG00000021313	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa [Source:Jamboree;Acc:XB-GENE-949180]
70	ENSXETG00000011260	N/A	N/A
70	ENSXETG00000025879	N/A	N/A
70	XLOC_038888	N/A	N/A
70	ENSXETG00000008149	NFIC	nuclear factor I/C (CCAAT-binding transcription factor) [Source:Jamboree;Acc:XB-GENE-484367]
70	ENSXETG00000026061	NR3C2	nuclear receptor subfamily 3, group C, member 2 [Source:Jamboree;Acc:XB-GENE-483085]
70	ENSXETG00000011546	OPRL1	opiate receptor-like 1 [Source:Jamboree;Acc:XB-GENE-5825353]
70	ENSXETG00000006756	PHKA1P1	phosphorylase kinase, alpha 1 pseudogene 1 [Source:Jamboree;Acc:XB-GENE-1012252]
70	ENSXETG00000027689	TMEM229A	transmembrane protein 229A [Source:Jamboree;Acc:XB-GENE-969915]
72	ENSXETG00000017979	AVP	arginine vasopressin [Source:Jamboree;Acc:XB-GENE-478869]
72	ENSXETG00000017940	C11ORF41	chromosome 11 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-6258146]
72	ENSXETG00000019922	DOCK2	dedicator of cytokinesis 2 [Source:Jamboree;Acc:XB-GENE-990617]
72	ENSXETG00000016766	FAM110C	family with sequence similarity 110, member C [Source:Jamboree;Acc:XB-GENE-7007322]
72	ENSXETG00000025405	FAM196B	family with sequence similarity 196, member B [Source:HGNC Symbol;Acc:HGNC:37271]
72	ENSXETG00000013469	KAZN	kazrin, periplakin interacting protein [Source:Jamboree;Acc:XB-GENE-1012688]
72	ENSXETG00000000700	MSRA.1	methionine sulfoxide reductase A, gene 1 [Source:Jamboree;Acc:XB-GENE-1011250]
72	ENSXETG00000004274	N/A	N/A
72	XLOC_002729	N/A	N/A
72	XLOC_005586	N/A	N/A
72	XLOC_013149	N/A	N/A
72	XLOC_024375	N/A	N/A
72	XLOC_025770	N/A	N/A
72	XLOC_025954	N/A	N/A
72	XLOC_034369	N/A	N/A
72	XLOC_041741	N/A	N/A
72	ENSXETG00000012970	RAP1GAP2	RAP1 GTPase activating protein 2 [Source:Jamboree;Acc:XB-GENE-6050621]
72	ENSXETG00000021479	SLC16A7	solute carrier family 16, member 7 (monocarboxylic acid transporter 2) [Source:Jamboree;Acc:XB-GENE-1008526]
72	ENSXETG00000016198	SLC4A10	solute carrier family 4, sodium bicarbonate transporter, member 10 [Source:Jamboree;Acc:XB-GENE-1011116]
72	ENSXETG00000017559	VWA5B1	von Willebrand factor A domain containing 5B1 [Source:Jamboree;Acc:XB-GENE-6462478]
72	ENSXETG00000008182	XB-GENE-5767035	hypothetical protein LOC100145763 [Source:Jamboree;Acc:XB-GENE-5767035]
74	ENSXETG00000005487	ARHGAP42	Rho GTPase activating protein 42 [Source:HGNC Symbol;Acc:HGNC:26545]
74	ENSXETG00000004015	C7ORF52	chromosome 7 open reading frame 52 [Source:Jamboree;Acc:XB-GENE-5881951]
74	ENSXETG00000001073	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group) [Source:Jamboree;Acc:XB-GENE-490633]
74	ENSXETG00000025680	LHFPL3	lipoma HMGIC fusion partner-like 3 [Source:Jamboree;Acc:XB-GENE-6033769]
74	ENSXETG00000025951	N/A	N/A
74	XLOC_004424	N/A	N/A
74	XLOC_012299	N/A	N/A
74	XLOC_023906	N/A	N/A
74	XLOC_028177	N/A	N/A
74	XLOC_030669	N/A	N/A
74	XLOC_036336	N/A	N/A
74	XLOC_041347	N/A	N/A
74	ENSXETG00000016599	NEBL	nebulette [Source:Jamboree;Acc:XB-GENE-492269]
74	ENSXETG00000010064	PHKG1	phosphorylase kinase, gamma 1 (muscle) [Source:Jamboree;Acc:XB-GENE-987485]
74	ENSXETG00000004121	RRM2B	ribonucleotide reductase M2 B (TP53 inducible) [Source:Jamboree;Acc:XB-GENE-970633]
74	ENSXETG00000011885	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 [Source:Jamboree;Acc:XB-GENE-479449]
74	ENSXETG00000003900	UBASH3B	ubiquitin associated and SH3 domain containing B [Source:Jamboree;Acc:XB-GENE-5757837]
74	ENSXETG00000017117	VSTM5	V-set and transmembrane domain containing 5 [Source:Jamboree;Acc:XB-GENE-940096]

Pattern_7 : Decreases until NF stage 62 and plateaus (opposite of Pattern 2) – 39, 33, 8, 45 / 51, 42

Cluster ID	Gene ID	Gene name	Description
8	ENSXETG00000008245	CTGF	connective tissue growth factor [Source:Jamboree;Acc:XB-GENE-855547]
8	ENSXETG00000007481	DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9 [Source:Jamboree;Acc:XB-GENE-1012221]
8	ENSXETG00000020577	DPP3	dipeptidyl-peptidase 3 [Source:Jamboree;Acc:XB-GENE-5844045]
8	ENSXETG00000011970	DTX4	deltex homolog 4 [Source:Jamboree;Acc:XB-GENE-996046]
8	ENSXETG00000012756	EBF4	early B-cell factor 4 [Source:Jamboree;Acc:XB-GENE-6030626]
8	ENSXETG00000013368	EGF	epidermal growth factor [Source:Jamboree;Acc:XB-GENE-951823]
8	ENSXETG00000001534	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6 [Source:Jamboree;Acc:XB-GENE-977063]
8	ENSXETG00000011856	FOXP4	forkhead box P4 [Source:Jamboree;Acc:XB-GENE-982692]
8	ENSXETG00000002931	FZD10	frizzled family receptor 10 [Source:Jamboree;Acc:XB-GENE-480379]
8	ENSXETG00000014841	HABP4	hyaluronan binding protein 4 [Source:Jamboree;Acc:XB-GENE-490018]
8	ENSXETG00000012323	HMGN2	high mobility group nucleosomal binding domain 2 [Source:Jamboree;Acc:XB-GENE-1015271]
8	ENSXETG00000017665	LHX5	LIM homeobox 5 [Source:Jamboree;Acc:XB-GENE-490400]

8	ENSXETG00000015792	LMNB3	lamin B3 [Source:Jamboree;Acc:XB-GENE-920613]
8	ENSXETG00000000974	NUAK2	NUAK family, SNF1-like kinase, 2 [Source:Jamboree;Acc:XB-GENE-5857794]
8	ENSXETG00000006912	PDGFB	platelet-derived growth factor beta polypeptide [Source:Jamboree;Acc:XB-GENE-487583]
8	ENSXETG00000028057	POU3F2	POU class 3 homeobox 2 [Source:Jamboree;Acc:XB-GENE-483174]
8	ENSXETG00000006914	RPL3	ribosomal protein L3 [Source:Jamboree;Acc:XB-GENE-971703]
8	ENSXETG00000027719	TFAP2E	transcription factor AP-2 epsilon (activating enhancer binding protein 2 epsilon) [Source:Jamboree;Acc:XB-GENE-876803]
8	ENSXETG00000013900	TFPI2	tissue factor pathway inhibitor 2 [Source:Jamboree;Acc:XB-GENE-1002090]
8	ENSXETG00000018827	XB-GENE-5897024	phosphatidylserine decarboxylase [Source:Jamboree;Acc:XB-GENE-5897024]
8	ENSXETG00000024924	XB-GENE-980731	Putative ortholog of glutathione S-transferase, theta 3, 2 of 2 [Source:Jamboree;Acc:XB-GENE-980731]
33	ENSXETG00000028029	ASF1B	ASF1 anti-silencing function 1 homolog B [Source:Jamboree;Acc:XB-GENE-1003005]
33	ENSXETG00000019126	BACH2	BTB and CNC homology 1, basic leucine zipper transcription factor 2 [Source:Jamboree;Acc:XB-GENE-994313]
33	ENSXETG00000023986	BARHL2	BarH-like homeobox 2 [Source:Jamboree;Acc:XB-GENE-482777]
33	ENSXETG00000015814	C7ORF44	chromosome 7 open reading frame 44 [Source:Jamboree;Acc:XB-GENE-6036209]
33	ENSXETG00000022597	CCNB3	cyclin B3 [Source:Jamboree;Acc:XB-GENE-920213]
33	ENSXETG00000022237	CD82	CD82 molecule [Source:Jamboree;Acc:XB-GENE-945242]
33	ENSXETG00000000078	CISH	cytokine inducible SH2-containing protein [Source:Jamboree;Acc:XB-GENE-490099]
33	ENSXETG00000002875	DLC	putative ortholog of delta-like protein C precursor (SwissPro) [Source:Jamboree;Acc:XB-GENE-968497]
33	ENSXETG00000022525	DLL1	delta-like 1 [Source:Jamboree;Acc:XB-GENE-479210]
33	ENSXETG00000010098	EEF1B2	eukaryotic translation elongation factor 1 beta 2 [Source:Jamboree;Acc:XB-GENE-966955]
33	ENSXETG00000021118	EXOSC9	exosome component 9 [Source:Jamboree;Acc:XB-GENE-992913]
33	ENSXETG00000026473	FAM64A	family with sequence similarity 64, member A [Source:Jamboree;Acc:XB-GENE-983497]
33	ENSXETG00000016171	GATA2	GATA binding protein 2 [Source:Jamboree;Acc:XB-GENE-478165]
33	ENSXETG00000002410	GPR161	G protein-coupled receptor 161 [Source:Jamboree;Acc:XB-GENE-1003408]
33	ENSXETG00000024745	H1FX	H1 histone family, member X [Source:Jamboree;Acc:XB-GENE-5928644]
33	ENSXETG00000012489	HAP1	huntingtin-associated protein 1 [Source:Jamboree;Acc:XB-GENE-493040]
33	ENSXETG00000001831	HELQ	helicase, POLQ-like [Source:Jamboree;Acc:XB-GENE-993428]
33	ENSXETG00000012081	HES5.1	hairy and enhancer of split 5, gene 1 [Source:Jamboree;Acc:XB-GENE-481135]
33	ENSXETG00000004847	KIAA0146	KIAA0146 [Source:Jamboree;Acc:XB-GENE-5813435]
33	ENSXETG00000004956	LAMA1	laminin, alpha 1 [Source:Jamboree;Acc:XB-GENE-968308]
33	ENSXETG00000010024	LRP5	low density lipoprotein receptor-related protein 5 [Source:Jamboree;Acc:XB-GENE-485117]
33	ENSXETG00000011534	LSM3	LSM3 homolog, U6 small nuclear RNA associated [Source:Jamboree;Acc:XB-GENE-991265]
33	ENSXETG00000002807	MEIS3	Meis homeobox 3 [Source:Jamboree;Acc:XB-GENE-485337]
33	N/A	N/A	N/A
33	N/A	N/A	N/A
33	N/A	N/A	N/A
33	ENSXETG00000014390	NTN1	netrin 1 precursor [Source:RefSeq peptide;Acc:NP_001072385]
33	ENSXETG00000013025	OTX1	orthodenticle homeobox 1 [Source:Jamboree;Acc:XB-GENE-939804]
33	ENSXETG00000025326	PLA2G2E	phospholipase A2, group IIE [Source:Jamboree;Acc:XB-GENE-5756014]
33	ENSXETG00000020670	PPP4C	protein phosphatase 4, catalytic subunit [Source:Jamboree;Acc:XB-GENE-970535]
33	ENSXETG00000012201	PXN	paxillin [Source:Jamboree;Acc:XB-GENE-941407]
33	ENSXETG00000027832	RAN	RAN, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-489468]
33	ENSXETG00000001178	RPL11	ribosomal protein L11 [Source:Jamboree;Acc:XB-GENE-1000977]
33	ENSXETG00000001368	SLC39A12	solute carrier family 39 (zinc transporter), member 12 [Source:Jamboree;Acc:XB-GENE-6051312]
33	ENSXETG00000007607	SOX3	SRY (sex determining region Y)-box 3 [Source:Jamboree;Acc:XB-GENE-484815]
33	ENSXETG00000015231	SULF1	sulfatase 1 [Source:Jamboree;Acc:XB-GENE-966419]
33	ENSXETG00000018864	ZIC2	Zic family member 2 [Source:Jamboree;Acc:XB-GENE-482654]
39	ENSXETG00000014528	ACSS3	acyl-CoA synthetase short-chain family member 3 [Source:Jamboree;Acc:XB-GENE-6035224]
39	ENSXETG00000022017	ALAS2	aminolevulinate, delta-, synthase 2 [Source:Jamboree;Acc:XB-GENE-487573]
39	ENSXETG00000024058	ALDOB	aldolase B, fructose-bisphosphate [Source:Jamboree;Acc:XB-GENE-5925393]
39	ENSXETG00000023244	ALPL	alkaline phosphatase, liver/bone/kidney [Source:Jamboree;Acc:XB-GENE-1010301]
39	ENSXETG00000003985	CAPRIN1	cell cycle associated protein 1 [Source:Jamboree;Acc:XB-GENE-942720]
39	ENSXETG00000015797	CCDC88C	coiled-coil domain containing 88C [Source:Jamboree;Acc:XB-GENE-1033686]
39	ENSXETG00000024086	DDR1	discoidin domain receptor tyrosine kinase 1 [Source:Jamboree;Acc:XB-GENE-485346]
39	ENSXETG00000010153	EBF2	early B-cell factor 2 [Source:Jamboree;Acc:XB-GENE-971136]
39	ENSXETG00000001182	EEF1A1	eukaryotic translation elongation factor 1 alpha 1 [Source:Jamboree;Acc:XB-GENE-480094]
39	ENSXETG00000006439	ENC1.2	ectodermal-neural cortex (with BTB-like domain), gene 2 [Source:Jamboree;Acc:XB-GENE-5914613]
39	ENSXETG00000017502	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase) [Source:Jamboree;Acc:XB-GENE-976919]
39	ENSXETG00000001856	GLI3	GLI family zinc finger 3 [Source:Jamboree;Acc:XB-GENE-484855]
39	ENSXETG00000024201	IPO7	importin 7 [Source:Jamboree;Acc:XB-GENE-919773]
39	ENSXETG00000012525	LAMC1	laminin, gamma 1 [Source:Jamboree;Acc:XB-GENE-478553]
39	ENSXETG00000019757	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) [Source:Jamboree;Acc:XB-GENE-984453]
39	N/A	N/A	N/A
39	N/A	N/A	N/A
39	ENSXETG00000020868	NONO	non-POU domain containing, octamer-binding [Source:Jamboree;Acc:XB-GENE-1002494]
39	ENSXETG00000001000	NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1 [Source:Jamboree;Acc:XB-GENE-490974]
39	ENSXETG00000007640	PAX3	paired box 3 [Source:Jamboree;Acc:XB-GENE-482740]
39	ENSXETG00000012658	PCBP3	poly(rC) binding protein 3 [Source:Jamboree;Acc:XB-GENE-944665]
39	ENSXETG00000023004	RPL5	ribosomal protein L5 [Source:Jamboree;Acc:XB-GENE-983912]
39	ENSXETG00000004304	RPL6	ribosomal protein L6 [Source:Jamboree;Acc:XB-GENE-958284]
39	ENSXETG00000020394	RPS18	ribosomal protein S18 [Source:Jamboree;Acc:XB-GENE-488842]
39	ENSXETG00000009396	RPS3A	ribosomal protein S3A [Source:Jamboree;Acc:XB-GENE-976731]
39	ENSXETG00000024113	RRH	retinal pigment epithelium-derived rhodopsin homolog [Source:Jamboree;Acc:XB-GENE-6076482]
39	ENSXETG00000017176	SALL2	sal-like 2 [Source:Jamboree;Acc:XB-GENE-494377]
39	ENSXETG00000012394	SERBP1	SERPINE1 mRNA binding protein 1 [Source:Jamboree;Acc:XB-GENE-494265]
39	ENSXETG00000007763	STC1	stanniocalcin 1 [Source:Jamboree;Acc:XB-GENE-949749]
39	ENSXETG00000014750	TFDP2	transcription factor Dp-2 (E2F dimerization partner 2) [Source:Jamboree;Acc:XB-GENE-1000260]
39	ENSXETG00000014661	TPT1	tumor protein, translationally-controlled 1 [Source:Jamboree;Acc:XB-GENE-854747]
39	ENSXETG00000007462	VIM	vimentin [Source:Jamboree;Acc:XB-GENE-493024]
39	ENSXETG00000026630	XB-GENE-5956431	hypothetical LOC493204 [Source:Jamboree;Acc:XB-GENE-5956431]
42	ENSXETG00000006436	ANKLE1	ankyrin repeat and LEM domain containing 1 [Source:Jamboree;Acc:XB-GENE-6045314]
42	ENSXETG00000022448	BUB1	BUB1 budding uninhibited by benzimidazoles 1 homolog [Source:Jamboree;Acc:XB-GENE-974762]
42	ENSXETG00000000287	BUB1B	budding uninhibited by benzimidazoles 1 homolog beta [Source:Jamboree;Acc:XB-GENE-1010857]
42	ENSXETG00000023124	CENPF	centromere protein F, 350/400kDa (mitosin) [Source:Jamboree;Acc:XB-GENE-1002205]
42	ENSXETG00000013014	CHAF1B	chromatin assembly factor 1, subunit B (p60) [Source:Jamboree;Acc:XB-GENE-996578]
42	ENSXETG00000015421	CKS1B	CDC28 protein kinase regulatory subunit 1B [Source:Jamboree;Acc:XB-GENE-921479]
42	ENSXETG00000005761	COL14A1	collagen, type XIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-990916]
42	ENSXETG00000023649	DCK.1	deoxycytidine kinase, gene 1 [Source:Jamboree;Acc:XB-GENE-956567]
42	ENSXETG00000025522	ESR10	enhancer of split related 10 [Source:Jamboree;Acc:XB-GENE-6492485]
42	ENSXETG00000009481	ESYT1	extended synaptotagmin-like protein 1 [Source:Jamboree;Acc:XB-GENE-985213]

42	ENSXETG00000024287	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:Jamboree;Acc:XB-GENE-964392]
42	ENSXETG00000005954	GMPPB	GDP-mannose pyrophosphorylase B [Source:Jamboree;Acc:XB-GENE-922650]
42	ENSXETG00000018379	HAUS7	HAUS augmin-like complex, subunit 7 [Source:Jamboree;Acc:XB-GENE-5773864]
42	ENSXETG00000008497	KIF15	kinesin family member 15 [Source:Jamboree;Acc:XB-GENE-1005654]
42	ENSXETG00000004673	KIF22	kinesin family member 22 [Source:Jamboree;Acc:XB-GENE-979888]
42	N/A	N/A	N/A
42	N/A	N/A	N/A
42	N/A	N/A	N/A
42	N/A	N/A	N/A
42	N/A	N/A	N/A
42	ENSXETG00000023614	NKX6-2	NK6 homeobox 2 [Source:Jamboree;Acc:XB-GENE-484527]
42	ENSXETG00000007216	NOXO1	NADPH oxidase organizer 1 [Source:Jamboree;Acc:XB-GENE-987621]
42	ENSXETG00000013330	PITX2	paired-like homeodomain 2 [Source:Jamboree;Acc:XB-GENE-482492]
42	ENSXETG00000018417	SALL1	sal-like 1 [Source:Jamboree;Acc:XB-GENE-491393]
42	ENSXETG00000007179	SEMA3F	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F precursor [Source:RefSeq peptide;Acc:NP_001006924]
42	ENSXETG00000011939	SLC38A5	solute carrier family 38, member 5 [Source:Jamboree;Acc:XB-GENE-5856213]
42	ENSXETG00000003395	TEAD4	TEA domain family member 4 [Source:Jamboree;Acc:XB-GENE-956369]
42	ENSXETG00000013999	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog) [Source:Jamboree;Acc:XB-GENE-868100]
42	ENSXETG00000018649	TMEM98	transmembrane protein 98 [Source:Jamboree;Acc:XB-GENE-5859301]
42	ENSXETG00000015894	ZWILCH	Zwilch, kinetochore associated, homolog [Source:Jamboree;Acc:XB-GENE-5861097]
45	ENSXETG00000006826	ACSF2	acyl-CoA synthetase family member 2 [Source:Jamboree;Acc:XB-GENE-993379]
45	ENSXETG00000009279	ACTA2	actin, alpha 2, smooth muscle, aorta [Source:Jamboree;Acc:XB-GENE-493937]
45	ENSXETG00000019862	AIMP1	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 [Source:Jamboree;Acc:XB-GENE-958442]
45	ENSXETG00000007442	ARHGAP39	Rho GTPase activating protein 39 [Source:Jamboree;Acc:XB-GENE-6049004]
45	ENSXETG00000007394	C10ORF140	chromosome 10 open reading frame 140 [Source:Jamboree;Acc:XB-GENE-976606]
45	ENSXETG00000016471	CASP7	caspase 7, apoptosis-related cysteine peptidase [Source:Jamboree;Acc:XB-GENE-484041]
45	ENSXETG00000001242	CLMP	CXADR-like membrane protein [Source:Jamboree;Acc:XB-GENE-973667]
45	ENSXETG00000025033	DARS	aspartyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-951509]
45	ENSXETG00000012783	EMP2	epithelial membrane protein 2 [Source:Jamboree;Acc:XB-GENE-957163]
45	ENSXETG00000007231	FGFR4	fibroblast growth factor receptor 4 [Source:Jamboree;Acc:XB-GENE-478699]
45	ENSXETG00000025073	GNG5	guanine nucleotide binding protein (G protein), gamma 5 [Source:Jamboree;Acc:XB-GENE-963560]
45	ENSXETG00000022245	HES9.1	hairy and enhancer of split 9, gene 1 [Source:Jamboree;Acc:XB-GENE-5922592]
45	ENSXETG00000019215	HPGDS	hematopoietic prostaglandin D synthase [Source:Jamboree;Acc:XB-GENE-944778]
45	ENSXETG00000014993	KCP	kielin/chordin-like protein [Source:Jamboree;Acc:XB-GENE-486713]
45	ENSXETG00000018588	KCTD10	potassium channel tetramerisation domain containing 10 [Source:Jamboree;Acc:XB-GENE-970871]
45	ENSXETG00000011707	KIAA0020	KIAA0020 [Source:Jamboree;Acc:XB-GENE-1001484]
45	N/A	N/A	N/A
45	N/A	N/A	N/A
45	ENSXETG00000020840	NDC80	NDC80 homolog, kinetochore complex component [Source:Jamboree;Acc:XB-GENE-997352]
45	ENSXETG00000010108	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase) [Source:Jamboree;Acc:XB-GENE-961231]
45	ENSXETG00000000757	NOTCH1	notch 1 [Source:Jamboree;Acc:XB-GENE-479318]
45	ENSXETG00000018364	PAQR4	progestin and adipoQ receptor family member IV [Source:Jamboree;Acc:XB-GENE-1013999]
45	ENSXETG00000005223	PBX2	pre-B-cell leukemia homeobox 2 [Source:Jamboree;Acc:XB-GENE-484669]
45	ENSXETG00000011188	PRPH	peripherin [Source:Jamboree;Acc:XB-GENE-493857]
45	ENSXETG00000024683	PTGR1.1	prostaglandin reductase 1, gene 1 [Source:Jamboree;Acc:XB-GENE-5789488]
45	ENSXETG00000012374	RPL10A	ribosomal protein L10a [Source:Jamboree;Acc:XB-GENE-974206]
45	ENSXETG00000003164	RPL18	ribosomal protein L18 [Source:Jamboree;Acc:XB-GENE-1006303]
45	ENSXETG00000009802	RPL21	ribosomal protein L21 [Source:Jamboree;Acc:XB-GENE-979608]
45	ENSXETG00000009154	RPL22L1	ribosomal protein L22-like 1 [Source:Jamboree;Acc:XB-GENE-6073103]
45	ENSXETG00000012856	RPL9	ribosomal protein L9 [Source:Jamboree;Acc:XB-GENE-964745]
45	ENSXETG00000018137	RPS24	ribosomal protein S24 [Source:Jamboree;Acc:XB-GENE-967645]
45	ENSXETG00000008434	SF1	splicing factor 1 [Source:Jamboree;Acc:XB-GENE-994148]
45	ENSXETG00000005430	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4 [Source:Jamboree;Acc:XB-GENE-1014107]
45	ENSXETG00000029268	SNORA69	Small nucleolar RNA SNORA69 [Source:RFAM;Acc:RF00265]
45	ENSXETG00000002522	SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit [Source:Jamboree;Acc:XB-GENE-956242]
45	ENSXETG00000003024	TMTOPS.2	multiple tissue opsin, gene 2 [Source:Jamboree;Acc:XB-GENE-1018917]
45	ENSXETG00000023202	UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1 [Source:Jamboree;Acc:XB-GENE-939925]
45	ENSXETG00000017748	XB-GENE-5843131	hypothetical protein LOC100135138 [Source:Jamboree;Acc:XB-GENE-5843131]
45	ENSXETG00000029157	XTR-MIR-210	xtr-mir-210 [Source:miRBase;Acc:MI0004864]
51	ENSXETG00000016740	ACSM3	acyl-CoA synthetase medium-chain family member 3 [Source:Jamboree;Acc:XB-GENE-486978]
51	ENSXETG00000008804	ATF5.2	activating transcription factor 5, gene 2 [Source:Jamboree;Acc:XB-GENE-5902427]
51	ENSXETG00000012032	AURKA	aurora kinase A [Source:Jamboree;Acc:XB-GENE-853082]
51	ENSXETG00000016659	ERI2	ERI1 exoribonuclease family member 2 [Source:Jamboree;Acc:XB-GENE-970828]
51	ENSXETG00000003617	FANCD2	Fanconi anemia, complementation group D2 [Source:Jamboree;Acc:XB-GENE-984801]
51	ENSXETG00000015018	FKBP7	FK506 binding protein 7 [Source:Jamboree;Acc:XB-GENE-977646]
51	ENSXETG00000025867	FOXA1	forkhead box A1 [Source:Jamboree;Acc:XB-GENE-487352]
51	ENSXETG00000014814	GMNN	geminin, DNA replication inhibitor [Source:Jamboree;Acc:XB-GENE-966994]
51	ENSXETG00000024486	HAUS6	HAUS augmin-like complex, subunit 6 [Source:Jamboree;Acc:XB-GENE-987220]
51	ENSXETG00000013609	JAM2	junctional adhesion molecule 2 [Source:Jamboree;Acc:XB-GENE-493973]
51	ENSXETG00000013598	KIF2C	kinesin family member 2C [Source:Jamboree;Acc:XB-GENE-961445]
51	ENSXETG00000017738	KIF7	kinesin family member 7 [Source:Jamboree;Acc:XB-GENE-6034962]
51	N/A	N/A	N/A
51	N/A	N/A	N/A
51	N/A	N/A	N/A
51	N/A	N/A	N/A
51	N/A	N/A	N/A
51	ENSXETG00000002892	NAPSA	napsin A aspartic peptidase [Source:Jamboree;Acc:XB-GENE-947098]
51	ENSXETG00000003732	O3FAR1	omega-3 fatty acid receptor 1 [Source:Jamboree;Acc:XB-GENE-954927]
51	ENSXETG00000020644	PHACTR4	phosphatase and actin regulator 4 [Source:Jamboree;Acc:XB-GENE-5930004]
51	ENSXETG00000012969	RCC1	regulator of chromosome condensation 1 [Source:Jamboree;Acc:XB-GENE-979094]
51	ENSXETG00000027024	RPL37	ribosomal protein L37 [Source:Jamboree;Acc:XB-GENE-956873]
51	ENSXETG00000000109	RPS12	ribosomal protein S12 [Source:Jamboree;Acc:XB-GENE-972800]
51	ENSXETG00000008083	SPTLC3	serine palmitoyltransferase, long chain base subunit 3 [Source:Jamboree;Acc:XB-GENE-5791607]
51	ENSXETG00000022306	UHRF1	ubiquitin-like with PHD and ring finger domains 1 [Source:Jamboree;Acc:XB-GENE-5821474]

Pattern_8 : Increases until NF stage 62 and then decreases between NF stage 62 and NF stage 66 (opposite of Pattern 10) – 56, 14, 30 / 49, 20

Cluster ID	Gene ID	Gene name	Description
14	ENSXETG00000022648	CDH24	cadherin 24, type 2 [Source:Jamboree;Acc:XB-GENE-995690]
14	ENSXETG00000022131	CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2 [Source:Jamboree;Acc:XB-GENE-991540]
14	ENSXETG00000016048	FOXO1	forkhead box O1 [Source:Jamboree;Acc:XB-GENE-482528]
14	ENSXETG00000021373	GRIA4	glutamate receptor, ionotrophic, AMPA 4 [Source:Jamboree;Acc:XB-GENE-5838893]
14	ENSXETG00000019879	IGFBP5	insulin-like growth factor binding protein 5 [Source:Jamboree;Acc:XB-GENE-485073]
14	ENSXETG00000016610	KCNK10	potassium channel, subfamily K, member 10 [Source:Jamboree;Acc:XB-GENE-950562]
14	ENSXETG00000007822	LRFN2	leucine rich repeat and fibronectin type III domain containing 2 [Source:Jamboree;Acc:XB-GENE-6035533]
14	ENSXETG00000003943	LRSAM1	leucine rich repeat and sterile alpha motif containing 1 [Source:Jamboree;Acc:XB-GENE-994894]
14	ENSXETG00000007540	MARCH11	membrane-associated ring finger (C3HC4) 11 [Source:Jamboree;Acc:XB-GENE-982895]
14	ENSXETG00000005008	MEGF6	multiple EGF-like-domains 6 [Source:HGNC Symbol;Acc:HGNC:3232]
14	ENSXETG00000001756	MICAL3	microtubule associated monoxygenase, calponin and LIM domain containing 3 [Source:Jamboree;Acc:XB-GENE-996271]
14	ENSXETG00000017169	N/A	N/A
14	ENSXETG00000027290	N/A	N/A
14	XLOC_005113	N/A	N/A
14	XLOC_039985	N/A	N/A
14	XLOC_040150	N/A	N/A
14	ENSXETG00000018631	NXPH3	neurexophilin 3 [Source:Jamboree;Acc:XB-GENE-953177]
14	ENSXETG00000001379	PDGFA	platelet-derived growth factor alpha polypeptide [Source:Jamboree;Acc:XB-GENE-484495]
14	ENSXETG00000022412	RBM46	probable RNA-binding protein 46 [Source:RefSeq peptide;Acc:NP_001072501]
14	ENSXETG00000014606	TMEM64	transmembrane protein 64 [Source:Jamboree;Acc:XB-GENE-6076037]
14	ENSXETG00000020303	ZBTB7C	zinc finger and BTB domain containing 7C [Source:Jamboree;Acc:XB-GENE-954049]
20	ENSXETG00000021876	ACSBG2	acyl-CoA synthetase bubblegum family member 2 [Source:Jamboree;Acc:XB-GENE-1006640]
20	ENSXETG00000019659	C18ORF1	chromosome 18 open reading frame 1 [Source:Jamboree;Acc:XB-GENE-953560]
20	ENSXETG00000006910	CBX6	chromobox homolog 6 [Source:Jamboree;Acc:XB-GENE-951161]
20	ENSXETG00000016698	CRYM	crystallin, mu [Source:Jamboree;Acc:XB-GENE-970817]
20	ENSXETG00000000216	DIEXF	digestive organ expansion factor homolog (zebrafish) [Source:Jamboree;Acc:XB-GENE-1002187]
20	ENSXETG00000001232	DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha [Source:Jamboree;Acc:XB-GENE-959529]
20	ENSXETG00000012127	EFHD1	EF-hand domain family, member D1 [Source:Jamboree;Acc:XB-GENE-5738953]
20	ENSXETG00000002245	FRMPD1	FERM and PDZ domain containing 1 [Source:Jamboree;Acc:XB-GENE-954374]
20	ENSXETG00000020230	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5 [Source:Jamboree;Acc:XB-GENE-5795358]
20	ENSXETG00000013492	INSIG1	insulin induced gene 1 [Source:Jamboree;Acc:XB-GENE-487039]
20	ENSXETG00000006930	KCTD1	potassium channel tetramerisation domain containing 1 [Source:Jamboree;Acc:XB-GENE-6076050]
20	ENSXETG00000015636	KDM6B	lysine (K)-specific demethylase 6B [Source:Jamboree;Acc:XB-GENE-6067077]
20	ENSXETG00000011766	N/A	N/A
20	ENSXETG00000014564	N/A	N/A
20	XLOC_001106	N/A	N/A
20	XLOC_014580	N/A	N/A
20	XLOC_015967	N/A	N/A
20	XLOC_017657	N/A	N/A
20	XLOC_019655	N/A	N/A
20	XLOC_035708	N/A	N/A
20	ENSXETG00000000442	OPTC	opticin [Source:Jamboree;Acc:XB-GENE-941989]
20	ENSXETG00000027778	RASSF3	Ras association (RalGDS/AF-6) domain family member 3 [Source:Jamboree;Acc:XB-GENE-487150]
20	ENSXETG00000004762	RNASEH2A	ribonuclease H2, subunit A [Source:Jamboree;Acc:XB-GENE-945840]
20	ENSXETG00000017094	SYT2	synaptotagmin II [Source:Jamboree;Acc:XB-GENE-981211]
20	ENSXETG00000008109	XKR4	XK, Kell blood group complex subunit-related family, member 4 [Source:Jamboree;Acc:XB-GENE-5813487]
30	ENSXETG00000004357	ATRN	attractin [Source:Jamboree;Acc:XB-GENE-953934]
30	ENSXETG00000014607	CALB1	calbindin 1, 28kDa [Source:Jamboree;Acc:XB-GENE-951983]
30	ENSXETG00000019690	CIDEA	cell death-inducing DFFA-like effector a [Source:Jamboree;Acc:XB-GENE-953574]
30	ENSXETG00000019847	DBNDD1	dysbindin (dystrobrevin binding protein 1) domain containing 1 [Source:Jamboree;Acc:XB-GENE-983679]
30	ENSXETG00000003127	IKZF2	IKAROS family zinc finger 2 (Helios) [Source:Jamboree;Acc:XB-GENE-1013632]
30	ENSXETG00000019051	KLF9	Kruppel-like factor 9 [Source:Jamboree;Acc:XB-GENE-483889]
30	ENSXETG00000021752	MET	met proto-oncogene (hepatocyte growth factor receptor) [Source:Jamboree;Acc:XB-GENE-481272]
30	ENSXETG00000008607	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YFE6]
30	ENSXETG00000015927	N/A	N/A
30	XLOC_003819	N/A	N/A
30	XLOC_018400	N/A	N/A
30	XLOC_019632	N/A	N/A
30	XLOC_021022	N/A	N/A
30	ENSXETG00000000723	NACC2	NACC family member 2, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-986407]
30	ENSXETG00000006558	NANS	N-acetylneuraminic acid synthase [Source:Jamboree;Acc:XB-GENE-977732]
30	ENSXETG00000003480	NCOA3	nuclear receptor coactivator 3 [Source:Jamboree;Acc:XB-GENE-486618]
30	ENSXETG00000021035	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide [Source:Jamboree;Acc:XB-GENE-6072920]
30	ENSXETG00000022545	PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C [Source:Jamboree;Acc:XB-GENE-487684]
30	ENSXETG00000014933	TBC1D9	TBC1 domain family, member 9 (with GRAM domain) [Source:Jamboree;Acc:XB-GENE-5992769]
30	ENSXETG00000027887	TRIB2	tribbles homolog 2 [Source:Jamboree;Acc:XB-GENE-489426]
30	ENSXETG00000014240	VWC2L	von Willebrand factor C domain containing protein 2-like [Source:Jamboree;Acc:XB-GENE-949133]
49	ENSXETG00000010311	ASB2	ankyrin repeat and SOCS box containing 2 [Source:Jamboree;Acc:XB-GENE-983015]
49	ENSXETG00000010660	CPEB1	cytoplasmic polyadenylation element binding protein 1 [Source:Jamboree;Acc:XB-GENE-946167]
49	ENSXETG00000004316	HLF	hepatic leukemia factor [Source:Jamboree;Acc:XB-GENE-955698]
49	ENSXETG00000014317	HSPA12A	heat shock 70kDa protein 12A [Source:Jamboree;Acc:XB-GENE-959285]
49	ENSXETG00000012981	KIAA1199	KIAA1199 [Source:Jamboree;Acc:XB-GENE-6048265]
49	ENSXETG00000017772	MFGE8	milk fat globule-EGF factor 8 protein [Source:Jamboree;Acc:XB-GENE-853465]
49	ENSXETG00000010682	MTMR6	myotubularin related protein 6 [Source:Jamboree;Acc:XB-GENE-994672]
49	ENSXETG00000008829	N/A	N/A
49	ENSXETG00000023689	N/A	N/A
49	XLOC_001286	N/A	N/A
49	XLOC_009068	N/A	N/A
49	XLOC_014132	N/A	N/A
49	ENSXETG00000013251	NCEH1	neutral cholesterol ester hydrolase 1 [Source:Jamboree;Acc:XB-GENE-959943]
49	ENSXETG00000014529	PIM3	pim-3 oncogene [Source:Jamboree;Acc:XB-GENE-922022]
49	ENSXETG00000011263	PMEPA1	prostate transmembrane protein, androgen induced 1 [Source:Jamboree;Acc:XB-GENE-1013948]
49	ENSXETG00000013833	RASA3	RAS p21 protein activator 3 [Source:Jamboree;Acc:XB-GENE-920756]
49	ENSXETG00000003636	RCAN1	regulator of calcineurin 1 [Source:Jamboree;Acc:XB-GENE-489568]
49	ENSXETG00000015939	SMAD6	SMAD family member 6 [Source:Jamboree;Acc:XB-GENE-481307]
49	ENSXETG00000020317	SMAD7	SMAD family member 7 [Source:Jamboree;Acc:XB-GENE-486004]
49	ENSXETG00000002971	ST6GALNAC5	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5 [Source:Jamboree;Acc:XB-GENE-953591]
49	ENSXETG00000003871	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2) [Source:Jamboree;Acc:XB-GENE-6070709]

49	ENSXETG00000012746	TRAF3	TNF receptor-associated factor 3 [Source:Jamboree;Acc:XB-GENE-968262]
49	ENSXETG00000025552	TUSC5	tumor suppressor candidate 5 [Source:Jamboree;Acc:XB-GENE-5890856]
49	ENSXETG00000029091	XTR-MIR-7-2	xtr-mir-7-2 [Source:miRBase;Acc:MI0004792]
56	ENSXETG00000021999	AK1	adenylate kinase 1 [Source:Jamboree;Acc:XB-GENE-1012039]
56	ENSXETG00000013509	APPBP2	amyloid beta precursor protein (cytoplasmic tail) binding protein 2 [Source:Jamboree;Acc:XB-GENE-951373]
56	ENSXETG00000022749	CADPS2	Ca++-dependent secretion activator 2 [Source:Jamboree;Acc:XB-GENE-6033825]
56	ENSXETG00000015716	CBLN4	cerebellin 4 precursor [Source:Jamboree;Acc:XB-GENE-986703]
56	ENSXETG00000004290	CCDC165	coiled-coil domain containing 165 [Source:Jamboree;Acc:XB-GENE-6047696]
56	ENSXETG00000011776	FBXO41	F-box protein 41 [Source:Jamboree;Acc:XB-GENE-966908]
56	ENSXETG00000007393	GPNMB	glycoprotein (transmembrane) nmb [Source:Jamboree;Acc:XB-GENE-983263]
56	ENSXETG00000005409	MBNL3	muscleblind-like 3 [Source:Jamboree;Acc:XB-GENE-999434]
56	ENSXETG00000013710	MMP16	matrix metallopeptidase 16 (membrane-inserted) [Source:Jamboree;Acc:XB-GENE-1007177]
56	ENSXETG00000025562	N/A	N/A
56	XLOC_024854	N/A	N/A
56	XLOC_043516	N/A	N/A
56	XLOC_043523	N/A	N/A
56	ENSXETG00000005594	NACC1	nucleus accumbens associated 1, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-979467]
56	ENSXETG00000010190	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit [Source:Jamboree;Acc:XB-GENE-976418]
56	ENSXETG00000019375	REV1	REV1 homolog [Source:Jamboree;Acc:XB-GENE-968197]
56	ENSXETG00000007633	SLCO3A1	solute carrier organic anion transporter family, member 3A1 [Source:Jamboree;Acc:XB-GENE-6035424]
56	ENSXETG00000024011	SOX12	SRY (sex determining region Y)-box 12 [Source:Jamboree;Acc:XB-GENE-483252]
56	ENSXETG00000000906	TBC1D19	TBC1 domain family, member 19 [Source:Jamboree;Acc:XB-GENE-5905231]
56	ENSXETG00000019114	TFE3	transcription factor binding to IGHM enhancer 3 [Source:Jamboree;Acc:XB-GENE-5918222]
56	ENSXETG00000000158	XB-GENE-5822257	hypothetical protein LOC100124990 [Source:Jamboree;Acc:XB-GENE-5822257]
56	ENSXETG00000021633	XB-GENE-5947997	hypothetical protein LOC100037843 [Source:Jamboree;Acc:XB-GENE-5947997]

Pattern_9 : Decreases until NF stage 62 and then increases between NF stages 62 and 66 (opposite of Pattern 3) – 73, 54, 3 / 64, 46, 18 / 77, 28 / 61

Cluster ID	Gene ID	Gene name	Description
3	ENSXETG00000011551	ALDH1L1	aldehyde dehydrogenase 1 family, member L1 [Source:Jamboree;Acc:XB-GENE-1016237]
3	ENSXETG00000019324	BCAM	basal cell adhesion molecule (Lutheran blood group) [Source:Jamboree;Acc:XB-GENE-921467]
3	ENSXETG00000012666	C12ORF10	chromosome 12 open reading frame 10 [Source:Jamboree;Acc:XB-GENE-1004333]
3	ENSXETG00000002679	FAM60A	family with sequence similarity 60, member A [Source:Jamboree;Acc:XB-GENE-995755]
3	ENSXETG00000026998	FOXA2	forkhead box A2 [Source:Jamboree;Acc:XB-GENE-480476]
3	ENSXETG00000016214	LRP2	low density lipoprotein receptor-related protein 2 [Source:Jamboree;Acc:XB-GENE-486052]
3	XLOC_006217	N/A	N/A
3	XLOC_030156	N/A	N/A
3	ENSXETG00000007201	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific) [Source:Jamboree;Acc:XB-GENE-1008413]
3	ENSXETG00000005567	RFX1	regulatory factor X, 1 (influences HLA class II expression) [Source:Jamboree;Acc:XB-GENE-994757]
3	ENSXETG00000027840	RPL36	ribosomal protein L36 [Source:Jamboree;Acc:XB-GENE-969192]
3	ENSXETG00000025457	RPL7	ribosomal protein L7 [Source:Jamboree;Acc:XB-GENE-954734]
3	ENSXETG00000023100	RPS6	ribosomal protein S6 [Source:Jamboree;Acc:XB-GENE-1003287]
3	ENSXETG00000014603	SLC7A8	solute carrier family 7 (amino acid transporter light chain, L system), member 8 [Source:Jamboree;Acc:XB-GENE-485467]
3	ENSXETG00000013541	SMYD4	SET and MYND domain containing 4 [Source:Jamboree;Acc:XB-GENE-945037]
3	ENSXETG00000020701	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2 [Source:Jamboree;Acc:XB-GENE-1015881]
3	ENSXETG00000022298	UNG	uracil-DNA glycosylase [Source:Jamboree;Acc:XB-GENE-960119]
3	ENSXETG00000029190	XTR-MIR-16C	xtr-mir-16c [Source:miRBase;Acc:MI0004801]
18	ENSXETG00000009199	ABHD10	abhydrolase domain containing 10 [Source:Jamboree;Acc:XB-GENE-994024]
18	ENSXETG00000000740	CARD9	caspase recruitment domain family, member 9 [Source:Jamboree;Acc:XB-GENE-986414]
18	ENSXETG00000001496	CLINT1	clathrin interactor 1 [Source:Jamboree;Acc:XB-GENE-1013621]
18	ENSXETG00000027492	DAPL1	death associated protein-like 1 [Source:Jamboree;Acc:XB-GENE-1014847]
18	ENSXETG00000025076	DNASE2B	deoxyribonuclease II beta [Source:Jamboree;Acc:XB-GENE-980313]
18	ENSXETG00000004674	EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) [Source:Jamboree;Acc:XB-GENE-958968]
18	ENSXETG00000027008	EIF3G	eukaryotic translation initiation factor 3, subunit G [Source:Jamboree;Acc:XB-GENE-6070198]
18	ENSXETG00000024723	EIF3K	eukaryotic translation initiation factor 3, subunit K [Source:Jamboree;Acc:XB-GENE-992842]
18	ENSXETG00000003895	GPT	glutamic-pyruvate transaminase (alanine aminotransferase) [Source:Jamboree;Acc:XB-GENE-998352]
18	ENSXETG00000010446	MYOC	myocilin, trabecular meshwork inducible glucocorticoid response [Source:Jamboree;Acc:XB-GENE-6258532]
18	XLOC_020052	N/A	N/A
18	ENSXETG00000017861	NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive [Source:Jamboree;Acc:XB-GENE-6069990]
18	ENSXETG00000000688	PINX1	PIN2/TERF1 interacting, telomerase inhibitor 1 [Source:Jamboree;Acc:XB-GENE-951063]
18	ENSXETG00000008642	RPF1	ribosome production factor 1 homolog [Source:Jamboree;Acc:XB-GENE-5777492]
18	ENSXETG00000001609	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1 [Source:Jamboree;Acc:XB-GENE-968672]
18	ENSXETG00000018477	TLR6	toll-like receptor 6 [Source:Jamboree;Acc:XB-GENE-492949]
18	ENSXETG00000005640	TUT1	terminal uridylyl transferase 1, U6 snRNA-specific [Source:Jamboree;Acc:XB-GENE-491663]
18	ENSXETG00000027163	ZNF383	zinc finger protein 383 [Source:Jamboree;Acc:XB-GENE-5722500]
18	ENSXETG00000009189	ZNF593	zinc finger protein 593 [Source:Jamboree;Acc:XB-GENE-1217394]
28	ENSXETG00000023889	AGPHD1	aminoglycoside phosphotransferase domain containing 1 [Source:Jamboree;Acc:XB-GENE-956847]
28	ENSXETG00000025818	ATAD5	ATPase family, AAA domain containing 5 [Source:Jamboree;Acc:XB-GENE-6257545]
28	ENSXETG00000002605	BGLAP	bone gamma-carboxyglutamate (gla) protein [Source:Jamboree;Acc:XB-GENE-1018467]
28	ENSXETG00000003284	C19ORF26	chromosome 19 open reading frame 26 [Source:Jamboree;Acc:XB-GENE-6258190]
28	ENSXETG00000006978	CASP2	caspase 2, apoptosis-related cysteine peptidase (neural precursor cell expressed, developmentally down-regulated 2) [Source:Jamboree;Acc:XB-GENE-482390]
28	ENSXETG00000019437	CCDC39	coiled-coil domain containing 39 [Source:Jamboree;Acc:XB-GENE-989047]
28	ENSXETG00000003386	CCDC43	coiled-coil domain containing 43 [Source:Jamboree;Acc:XB-GENE-972630]
28	ENSXETG00000014839	CDC14B	CDC14 cell division cycle 14 homolog B [Source:Jamboree;Acc:XB-GENE-977314]
28	ENSXETG00000025623	CDC20	cell division cycle 20 homolog [Source:Jamboree;Acc:XB-GENE-970663]
28	ENSXETG00000023890	CTSL1	cathepsin L1 [Source:Jamboree;Acc:XB-GENE-5907229]
28	ENSXETG00000011104	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13 [Source:RefSeq peptide;Acc:NP_001004878]
28	ENSXETG00000003387	DBF4B	DBF4 homolog B (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5829758]
28	ENSXETG00000001223	EMILIN1	elastin microfibril interfacer 1 [Source:Jamboree;Acc:XB-GENE-997654]
28	ENSXETG00000020527	HDAC8	histone deacetylase 8 [Source:Jamboree;Acc:XB-GENE-5863426]
28	ENSXETG00000023380	HEG1	HEG homolog 1 [Source:Jamboree;Acc:XB-GENE-997776]
28	ENSXETG00000005552	KIF4A	kinesin family member 4A [Source:Jamboree;Acc:XB-GENE-5932310]
28	ENSXETG00000013785	LRRCC1	leucine rich repeat and coiled-coil domain containing 1 [Source:Jamboree;Acc:XB-GENE-992687]
28	ENSXETG00000004812	N/A	N/A
28	ENSXETG00000022322	N/A	N/A

28	ENSXETG00000025524	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YYA0]
28	ENSXETG00000026389	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U7T5]
28	ENSXETG00000026782	N/A	N/A
28	XLOC_013790	N/A	N/A
28	XLOC_018862	N/A	N/A
28	XLOC_036679	N/A	N/A
28	XLOC_042239	N/A	N/A
28	ENSXETG00000007162	NCAPG2	non-SMC condensin II complex, subunit G2 [Source:Jamboree;Acc:XB-GENE-1002744]
28	ENSXETG00000019519	NTN1	netrin 1 [Source:Jamboree;Acc:XB-GENE-989335]
28	ENSXETG00000023668	OGG1	8-oxoguanine DNA glycosylase [Source:Jamboree;Acc:XB-GENE-995809]
28	ENSXETG00000014608	PCK2	phosphoenolpyruvate carboxykinase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-974262]
28	ENSXETG00000009086	PER1	period homolog 1 [Source:Jamboree;Acc:XB-GENE-495464]
28	ENSXETG00000023289	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit) [Source:Jamboree;Acc:XB-GENE-5916783]
28	ENSXETG00000006231	POU2F1	POU domain, class 2, transcription factor 1 [Source:UniProtKB/Swiss-Prot;Acc:Q28BL7]
28	ENSXETG00000010074	PSPH	phosphoserine phosphatase [Source:Jamboree;Acc:XB-GENE-953316]
28	ENSXETG00000023098	SARDH	sarcosine dehydrogenase [Source:Jamboree;Acc:XB-GENE-6038613]
28	ENSXETG00000017493	TMTOPS	multiple tissue opsin [Source:Jamboree;Acc:XB-GENE-1018915]
28	ENSXETG00000011294	TRIM36	tripartite motif containing 36 [Source:Jamboree;Acc:XB-GENE-1017281]
46	ENSXETG00000014720	ALDH1B1	aldehyde dehydrogenase 1 family, member B1 [Source:Jamboree;Acc:XB-GENE-1013740]
46	ENSXETG00000005937	AMT	aminomethyltransferase [Source:Jamboree;Acc:XB-GENE-921598]
46	ENSXETG00000004606	BBOX1	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1 [Source:Jamboree;Acc:XB-GENE-956892]
46	ENSXETG00000012171	BOC	Boc homolog [Source:Jamboree;Acc:XB-GENE-923398]
46	ENSXETG00000013106	BRD9	bromodomain containing 9 [Source:Jamboree;Acc:XB-GENE-969470]
46	ENSXETG00000009896	C21ORF63	chromosome 21 open reading frame 63 [Source:Jamboree;Acc:XB-GENE-1013210]
46	ENSXETG00000012874	C6ORF204	chromosome 6 open reading frame 204 [Source:Jamboree;Acc:XB-GENE-6035286]
46	ENSXETG00000010623	CLK3	CDC-like kinase 3 [Source:Jamboree;Acc:XB-GENE-5861130]
46	ENSXETG00000010442	CLNS1A	chloride channel, nucleotide-sensitive, 1A [Source:Jamboree;Acc:XB-GENE-973104]
46	ENSXETG00000012389	DIRAS3	DIRAS family, GTP-binding RAS-like 3 [Source:Jamboree;Acc:XB-GENE-978992]
46	ENSXETG00000011253	FAM38A	family with sequence similarity 38, member A [Source:Jamboree;Acc:XB-GENE-6050252]
46	ENSXETG00000009816	FKBP11	FK506 binding protein 11, 19 kDa [Source:Jamboree;Acc:XB-GENE-966311]
46	ENSXETG00000015966	GCAT	glycine C-acetyltransferase [Source:Jamboree;Acc:XB-GENE-984769]
46	ENSXETG00000007974	IPO9	importin 9 [Source:Jamboree;Acc:XB-GENE-5960761]
46	ENSXETG00000007976	LMOD1	leiomodin 1 (smooth muscle) [Source:Jamboree;Acc:XB-GENE-979212]
46	ENSXETG00000001312	MRPS35	mitochondrial ribosomal protein S35 [Source:Jamboree;Acc:XB-GENE-1017075]
46	ENSXETG00000006974	N/A	N/A
46	ENSXETG00000009442	N/A	uncharacterized protein LOC100127867 precursor [Source:RefSeq peptide;Acc:NP_001106629]
46	ENSXETG00000010774	N/A	N/A
46	ENSXETG00000011669	N/A	N/A
46	ENSXETG00000024639	N/A	N/A
46	ENSXETG00000027329	N/A	N/A
46	ENSXETG00000027561	N/A	uncharacterized protein LOC100145695 [Source:RefSeq peptide;Acc:NP_001120541]
46	XLOC_014585	N/A	N/A
46	ENSXETG00000005049	PHACTR3	phosphatase and actin regulator 3 [Source:Jamboree;Acc:XB-GENE-493469]
46	ENSXETG00000027124	PRELID2	PRELI domain containing 2 [Source:Jamboree;Acc:XB-GENE-943679]
46	ENSXETG00000010248	PRKD1	protein kinase D1 [Source:Jamboree;Acc:XB-GENE-487626]
46	ENSXETG00000002914	RPL22	ribosomal protein L22 [Source:Jamboree;Acc:XB-GENE-978439]
54	ENSXETG00000019486	AHCY	adenosylhomocysteinase [Source:Jamboree;Acc:XB-GENE-950017]
54	ENSXETG00000015745	ANP32E	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E [Source:Jamboree;Acc:XB-GENE-991616]
54	ENSXETG00000007299	ATF1	activating transcription factor 1 [Source:Jamboree;Acc:XB-GENE-971677]
54	ENSXETG00000024098	C4ORF21	chromosome 4 open reading frame 21 [Source:Jamboree;Acc:XB-GENE-6461443]
54	ENSXETG00000000873	CECR2	cat eye syndrome chromosome region, candidate 2 [Source:Jamboree;Acc:XB-GENE-6461178]
54	ENSXETG00000011183	CTH	cystathionase (cystathionine gamma-lyase) [Source:Jamboree;Acc:XB-GENE-5784449]
54	ENSXETG00000011767	DDX43	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 [Source:Jamboree;Acc:XB-GENE-988016]
54	ENSXETG00000012376	DEPDC1	DEP domain containing 1 [Source:Jamboree;Acc:XB-GENE-1016421]
54	ENSXETG00000003739	DNMBP	dynamin binding protein [Source:Jamboree;Acc:XB-GENE-967684]
54	ENSXETG00000017144	GLI1.1	GLI family zinc finger 1, gene 1 [Source:Jamboree;Acc:XB-GENE-482644]
54	ENSXETG00000007396	IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-483018]
54	ENSXETG00000003282	MIDN	midnolin [Source:Jamboree;Acc:XB-GENE-1005232]
54	XLOC_005260	N/A	N/A
54	XLOC_011684	N/A	N/A
54	ENSXETG00000016032	NHLRC3	NHL repeat containing 3 [Source:Jamboree;Acc:XB-GENE-988782]
54	ENSXETG00000011674	OCIAD2	OCIA domain containing 2 [Source:Jamboree;Acc:XB-GENE-966006]
54	ENSXETG00000006706	PKP3	plakophilin 3 [Source:Jamboree;Acc:XB-GENE-489317]
54	ENSXETG00000017349	PNO1	partner of NOB1 homolog [Source:Jamboree;Acc:XB-GENE-491293]
54	ENSXETG00000021667	RPL18A	ribosomal protein L18a [Source:Jamboree;Acc:XB-GENE-5774784]
54	ENSXETG00000000132	RPL28	ribosomal protein L28 [Source:Jamboree;Acc:XB-GENE-1016753]
54	ENSXETG00000010811	RPL29	ribosomal protein L29 [Source:Jamboree;Acc:XB-GENE-5789751]
54	ENSXETG00000005009	RPL7A	ribosomal protein L7a [Source:Jamboree;Acc:XB-GENE-959321]
54	ENSXETG00000015483	RPL8	ribosomal protein L8 [Source:Jamboree;Acc:XB-GENE-482209]
54	ENSXETG00000014146	RPS11	ribosomal protein S11 [Source:Jamboree;Acc:XB-GENE-5893562]
54	ENSXETG00000003706	RPS15	ribosomal protein S15 [Source:Jamboree;Acc:XB-GENE-5832673]
54	ENSXETG00000002942	RPS15A	ribosomal protein S15a [Source:Jamboree;Acc:XB-GENE-981311]
54	ENSXETG00000010729	RPS3	ribosomal protein S3 [Source:Jamboree;Acc:XB-GENE-978298]
54	ENSXETG00000012326	SALL4	sal-like 4 [Source:Jamboree;Acc:XB-GENE-485252]
54	ENSXETG00000012021	SEMA5B	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B [Source:Jamboree;Acc:XB-GENE-959729]
54	ENSXETG00000027686	SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1 [Source:Jamboree;Acc:XB-GENE-945026]
54	ENSXETG00000019941	SHROOM3	shroom family member 3 [Source:Jamboree;Acc:XB-GENE-490224]
54	ENSXETG00000005526	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3 [Source:Jamboree;Acc:XB-GENE-1002485]
54	ENSXETG00000021244	TTC34	tetratricopeptide repeat domain 34 [Source:Jamboree;Acc:XB-GENE-991680]
54	ENSXETG00000004548	XRCC6	X-ray repair complementing defective repair in Chinese hamster cells 6 [Source:Jamboree;Acc:XB-GENE-970899]
61	ENSXETG00000024219	A2M	alpha-2-macroglobulin [Source:Jamboree;Acc:XB-GENE-481725]
61	ENSXETG00000027291	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4 [Source:Jamboree;Acc:XB-GENE-1006704]
61	ENSXETG00000023076	ASPG	asparaginase homolog [Source:Jamboree;Acc:XB-GENE-993696]
61	ENSXETG00000025087	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Source:Jamboree;Acc:XB-GENE-998807]
61	ENSXETG00000000595	CDC37L1	cell division cycle 37 homolog-like 1 [Source:Jamboree;Acc:XB-GENE-984706]
61	ENSXETG00000026460	CDH26	cadherin 26 [Source:Jamboree;Acc:XB-GENE-996979]

61	ENSXETG00000008781	CEP152	centrosomal protein 152kDa [Source:Jamboree;Acc:XB-GENE-988609]
61	ENSXETG00000008733	CIB3	calcium and integrin binding family member 3 [Source:Jamboree;Acc:XB-GENE-5787572]
61	ENSXETG00000022341	COL5A1	collagen, type V, alpha 1 [Source:Jamboree;Acc:XB-GENE-5954567]
61	ENSXETG00000003744	CUTC	cutC copper transporter homolog [Source:Jamboree;Acc:XB-GENE-1005045]
61	ENSXETG00000024577	CYTH2	cytohesin 2 [Source:Jamboree;Acc:XB-GENE-5834088]
61	ENSXETG00000015432	DTNBP1	dystrobrevin binding protein 1 [Source:Jamboree;Acc:XB-GENE-5812147]
61	ENSXETG00000001644	FKBP4	FK506 binding protein 4, 59kDa [Source:Jamboree;Acc:XB-GENE-948088]
61	ENSXETG00000022803	FOXK2	forkhead box K2 [Source:Jamboree;Acc:XB-GENE-483520]
61	ENSXETG00000009903	GCFC1	GC-rich sequence DNA-binding factor 1 [Source:Jamboree;Acc:XB-GENE-974036]
61	ENSXETG00000026602	GSTO2	glutathione S-transferase omega 2 [Source:Jamboree;Acc:XB-GENE-967227]
61	ENSXETG00000015484	KIAA1797	KIAA1797 [Source:Jamboree;Acc:XB-GENE-6038577]
61	ENSXETG00000015544	LRRK2	leucine-rich repeat kinase 2 [Source:Jamboree;Acc:XB-GENE-5768572]
61	ENSXETG00000000035	MDM4	Mdm4 p53 binding protein homolog [Source:Jamboree;Acc:XB-GENE-946791]
61	ENSXETG00000014152	MOSC1	MOCO sulphurase C-terminal domain containing 1 [Source:Jamboree;Acc:XB-GENE-5823411]
61	ENSXETG00000008553	N/A	N/A
61	ENSXETG00000023382	N/A	N/A
61	ENSXETG00000027339	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BWA1]
61	ENSXETG00000027477	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WEX9]
61	ENSXETG00000028006	N/A	N/A
61	XLOC_010388	N/A	N/A
61	XLOC_015590	N/A	N/A
61	XLOC_018162	N/A	N/A
61	XLOC_018808	N/A	N/A
61	XLOC_025605	N/A	N/A
61	XLOC_025622	N/A	N/A
61	XLOC_029674	N/A	N/A
61	XLOC_039355	N/A	N/A
61	XLOC_043357	N/A	N/A
61	ENSXETG00000027610	NAAA	N-acylethanolamine acid amidase [Source:Jamboree;Acc:XB-GENE-1006650]
61	ENSXETG00000002535	NUP37	nucleoporin 37kDa [Source:Jamboree;Acc:XB-GENE-1015893]
61	ENSXETG00000025248	PDCD4	programmed cell death 4 (neoplastic transformation inhibitor) [Source:Jamboree;Acc:XB-GENE-959687]
61	ENSXETG00000021664	PRODH	proline dehydrogenase (oxidase) 1 [Source:Jamboree;Acc:XB-GENE-5866533]
61	ENSXETG00000019834	SPG7	spastic paraplegia 7 (pure and complicated autosomal recessive) [Source:Jamboree;Acc:XB-GENE-6034036]
61	ENSXETG00000007265	USP13	usp13 [Source:Jamboree;Acc:XB-GENE-998128]
61	ENSXETG00000026901	VRK3	vaccinia related kinase 3 [Source:Jamboree;Acc:XB-GENE-986614]
61	ENSXETG00000011506	XB-GENE-5857146	hypothetical protein MGC64444 [Source:Jamboree;Acc:XB-GENE-5857146]
64	ENSXETG00000018089	ARHGAP11A.1	Rho GTPase activating protein 11A, gene 1 [Source:Jamboree;Acc:XB-GENE-1010876]
64	ENSXETG00000011430	BANF1	barrier to autointegration factor 1 [Source:Jamboree;Acc:XB-GENE-5745250]
64	ENSXETG00000010044	CACNG7	calcium channel, voltage-dependent, gamma subunit 7 [Source:Jamboree;Acc:XB-GENE-966233]
64	ENSXETG00000004328	COMMD5	COMM domain containing 5 [Source:Jamboree;Acc:XB-GENE-952087]
64	ENSXETG00000009022	GALM	galactose mutarotase (aldose 1-epimerase) [Source:Jamboree;Acc:XB-GENE-1001023]
64	ENSXETG00000025850	HMGN3	high mobility group nucleosomal binding domain 3 [Source:Jamboree;Acc:XB-GENE-482143]
64	ENSXETG00000016053	KCTD17	potassium channel tetramerisation domain containing 17 [Source:Jamboree;Acc:XB-GENE-6035411]
64	ENSXETG00000025995	LCOR	ligand dependent nuclear receptor corepressor isoform 1 [Source:RefSeq peptide;Acc:NP_001182625]
64	ENSXETG00000016168	LMOD3	leiomodin 3 (fetal) [Source:Jamboree;Acc:XB-GENE-5737414]
64	ENSXETG00000012094	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:Jamboree;Acc:XB-GENE-941965]
64	XLOC_038805	N/A	N/A
64	XLOC_043007	N/A	N/A
64	ENSXETG00000004407	NACA.2	nascent polypeptide-associated complex alpha subunit [Source:Jamboree;Acc:XB-GENE-969062]
64	ENSXETG00000005077	NSA2	NSA2 ribosome biogenesis homolog [Source:Jamboree;Acc:XB-GENE-478113]
64	ENSXETG00000006145	PPA2	pyrophosphatase (inorganic) 2 [Source:Jamboree;Acc:XB-GENE-961143]
64	ENSXETG00000015898	RPL4	ribosomal protein L4 [Source:Jamboree;Acc:XB-GENE-968395]
64	ENSXETG00000014506	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6 [Source:Jamboree;Acc:XB-GENE-487733]
64	ENSXETG00000007376	RSL24D1	ribosomal L24 domain containing 1 [Source:Jamboree;Acc:XB-GENE-979826]
64	ENSXETG00000002554	RXFP3	relaxin/insulin-like family peptide receptor 3 [Source:Jamboree;Acc:XB-GENE-478939]
64	ENSXETG00000017634	TINAGL1	tubulointerstitial nephritis antigen-like 1 [Source:Jamboree;Acc:XB-GENE-991634]
64	ENSXETG00000026767	XB-GENE-5854345	hypothetical protein LOC100145486 [Source:Jamboree;Acc:XB-GENE-5854345]
64	ENSXETG00000011949	XB-GENE-994785	conserved hypothetical protein similar to mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933430J11 product:hypothetical Proline-rich region/von Willebrand factor type A domain containing protein, full insert sequence, 1 of 1 [Source:Jamboree;Acc:XB-GENE-994785]
64	ENSXETG00000003817	ZNF605	zinc finger protein 605 [Source:Jamboree;Acc:XB-GENE-5942644]
73	ENSXETG00000003740	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2 [Source:Jamboree;Acc:XB-GENE-1012796]
73	ENSXETG00000008803	ATF5	activating transcription factor 5 [Source:Jamboree;Acc:XB-GENE-5808898]
73	ENSXETG00000013774	CAR1_PREDICTED	carbonic anhydrase I [Source:RefSeq peptide;Acc:NP_001072785]
73	ENSXETG00000021319	CENPE	centromere protein E, 312kDa [Source:Jamboree;Acc:XB-GENE-952286]
73	ENSXETG00000017718	FAM54A	family with sequence similarity 54, member A [Source:Jamboree;Acc:XB-GENE-987506]
73	ENSXETG00000001781	FBN3	fibrillin 3 [Source:Jamboree;Acc:XB-GENE-1217676]
73	ENSXETG00000011110	HES3.3	hairy and enhancer of split 3, gene 3 [Source:Jamboree;Acc:XB-GENE-480450]
73	ENSXETG00000012080	HES5.2	hairy and enhancer of split 5, gene 2 [Source:Jamboree;Acc:XB-GENE-876635]
73	ENSXETG00000024115	LRIT3	leucine-rich repeat, immunoglobulin-like and transmembrane domains 3 [Source:Jamboree;Acc:XB-GENE-6076513]
73	ENSXETG00000015882	N/A	N/A
73	ENSXETG00000020482	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DPN9]
73	ENSXETG00000025817	N/A	N/A
73	XLOC_016292	N/A	N/A
73	XLOC_030718	N/A	N/A
73	XLOC_031421	N/A	N/A
73	XLOC_038595	N/A	N/A
73	XLOC_040032	N/A	N/A
73	ENSXETG00000001031	PHF21A	PHD finger protein 21A [Source:Jamboree;Acc:XB-GENE-6032673]
73	ENSXETG00000003257	PHF21B	PHD finger protein 21B [Source:Jamboree;Acc:XB-GENE-969993]
73	ENSXETG00000016151	POLE	polymerase (DNA directed), epsilon [Source:Jamboree;Acc:XB-GENE-1011589]
73	ENSXETG00000010878	RPL10	ribosomal protein L10 [Source:Jamboree;Acc:XB-GENE-970510]
73	ENSXETG00000023719	RPL23	ribosomal protein L23 [Source:Jamboree;Acc:XB-GENE-958306]
73	ENSXETG00000026189	RPL23A	ribosomal protein L23a [Source:Jamboree;Acc:XB-GENE-5891038]
73	ENSXETG00000015468	RPL37A	ribosomal protein L37a [Source:Jamboree;Acc:XB-GENE-5811555]
73	ENSXETG00000015129	RPS10	ribosomal protein S10 [Source:Jamboree;Acc:XB-GENE-969777]
73	ENSXETG00000026454	RPS13	ribosomal protein S13 [Source:Jamboree;Acc:XB-GENE-940105]
73	ENSXETG00000002012	RPS21	ribosomal protein S21 [Source:Jamboree;Acc:XB-GENE-1007930]
73	ENSXETG00000027734	RPS29	ribosomal protein S29 [Source:Jamboree;Acc:XB-GENE-1016214]
73	ENSXETG00000004424	SCUBE2	signal peptide, CUB domain, EGF-like 2 [Source:Jamboree;Acc:XB-GENE-5945055]

73	ENSXETG00000023327	SYVN1	synovial apoptosis inhibitor 1, synoviolin [Source:Jamboree;Acc:XB-GENE-1005361]
73	ENSXETG00000013589	TCF3	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) [Source:Jamboree;Acc:XB-GENE-478265]
73	ENSXETG00000029188	XTR-MIR-16A	xtr-mir-16a [Source:miRBase;Acc:MI0004802]
77	ENSXETG00000002493	ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1 [Source:Jamboree;Acc:XB-GENE-953835]
77	ENSXETG00000001886	ALDH1L2	aldehyde dehydrogenase 1 family, member L2 [Source:Jamboree;Acc:XB-GENE-5820495]
77	ENSXETG00000014519	BRD1	bromodomain containing 1 [Source:Jamboree;Acc:XB-GENE-949377]
77	ENSXETG00000018460	BRD7	bromodomain containing 7 [Source:Jamboree;Acc:XB-GENE-1017005]
77	ENSXETG00000002741	C3ORF17	chromosome 3 open reading frame 17 [Source:Jamboree;Acc:XB-GENE-5928587]
77	ENSXETG00000000585	C9ORF46	chromosome 9 open reading frame 46 [Source:Jamboree;Acc:XB-GENE-1011541]
77	ENSXETG00000012929	CCNE1	cyclin E1 [Source:Jamboree;Acc:XB-GENE-972042]
77	ENSXETG00000016951	CRY1	cryptochrome 1 (photolyase-like) [Source:Jamboree;Acc:XB-GENE-946007]
77	ENSXETG00000018825	CYBRD1	cytochrome b reductase 1 [Source:Jamboree;Acc:XB-GENE-1011687]
77	ENSXETG00000007483	DNA2	DNA replication helicase 2 homolog [Source:Jamboree;Acc:XB-GENE-5828964]
77	ENSXETG00000014838	FAM175A	family with sequence similarity 175, member A [Source:Jamboree;Acc:XB-GENE-5730310]
77	ENSXETG00000015592	FGFR2	fibroblast growth factor receptor 2 [Source:Jamboree;Acc:XB-GENE-1018296]
77	ENSXETG00000012573	GALK1	galactokinase 1 [Source:Jamboree;Acc:XB-GENE-969127]
77	ENSXETG00000003380	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6X3W4]
77	ENSXETG00000003700	N/A	N/A
77	ENSXETG00000015200	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7A074]
77	ENSXETG00000025022	N/A	N/A
77	ENSXETG00000025852	N/A	N/A
77	XLOC_009297	N/A	N/A
77	XLOC_019481	N/A	N/A
77	XLOC_022120	N/A	N/A
77	XLOC_040550	N/A	N/A
77	XLOC_042376	N/A	N/A
77	ENSXETG00000027739	NEMF	nuclear export mediator factor [Source:Jamboree;Acc:XB-GENE-5772016]
77	ENSXETG00000024941	PLEKHJ1	pleckstrin homology domain containing, family J member 1 [Source:Jamboree;Acc:XB-GENE-491518]
77	ENSXETG00000003912	RPL27A	ribosomal protein L27a [Source:Jamboree;Acc:XB-GENE-5853519]
77	ENSXETG00000020722	SELENBP1	selenium binding protein 1 [Source:Jamboree;Acc:XB-GENE-959074]
77	ENSXETG00000019435	TTC14	tetratricopeptide repeat domain 14 [Source:Jamboree;Acc:XB-GENE-989065]
77	ENSXETG00000018031	XB-GENE-5835884	hypothetical protein LOC100145507 [Source:Jamboree;Acc:XB-GENE-5835884]
77	ENSXETG00000011440	XB-GENE-969052	Putative ortholog of cytochrome p450 46A1 (EC 1.14.-.-) (Cholesterol 24-hydroxylase), 1 of 1 [Source:Jamboree;Acc:XB-GENE-969052]
77	ENSXETG00000023061	XRCC3	X-ray repair complementing defective repair in Chinese hamster cells 3 [Source:Jamboree;Acc:XB-GENE-1016741]
77	ENSXETG00000014840	ZNF367	zinc finger protein 367 [Source:Jamboree;Acc:XB-GENE-986040]

Pattern_10 : Sharp increase between NF stages 50 and 56 and plateaus (opposite of Pattern 11) – 66, 80, 1, 35, 34 / 81, 31, 65, 7, 12

Cluster ID	Gene ID	Gene name	Description
1	ENSXETG00000020571	B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 [Source:Jamboree;Acc:XB-GENE-1007367]
1	ENSXETG00000010069	BCL9L	B-cell CLL/lymphoma 9-like [Source:Jamboree;Acc:XB-GENE-921499]
1	ENSXETG00000012950	CBLN1	cerebellin 1 precursor [Source:Jamboree;Acc:XB-GENE-978378]
1	ENSXETG00000008671	CDH22	cadherin 22, type 2 [Source:Jamboree;Acc:XB-GENE-922905]
1	ENSXETG00000007163	CPLX1	complexin 1 [Source:Jamboree;Acc:XB-GENE-5815523]
1	ENSXETG00000008472	CYCT	cytochrome c, testis [Source:Jamboree;Acc:XB-GENE-5931974]
1	ENSXETG00000015482	FAM49A	family with sequence similarity 49, member A [Source:Jamboree;Acc:XB-GENE-854180]
1	ENSXETG00000006354	KIAA1370	KIAA1370 [Source:Jamboree;Acc:XB-GENE-5816685]
1	ENSXETG00000025491	N/A	N/A
1	ENSXETG00000024105	NEGR1	neuronal growth regulator 1 [Source:Jamboree;Acc:XB-GENE-987949]
1	ENSXETG00000020305	PPP1R9A	protein phosphatase 1, regulatory (inhibitor) subunit 9A [Source:Jamboree;Acc:XB-GENE-493280]
1	ENSXETG00000009864	SAMD8	sterile alpha motif domain containing 8 [Source:Jamboree;Acc:XB-GENE-1012742]
1	ENSXETG00000000221	SERTAD4	SERTA domain containing 4 [Source:Jamboree;Acc:XB-GENE-943347]
1	ENSXETG00000008393	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6 [Source:Jamboree;Acc:XB-GENE-1011394]
1	ENSXETG00000017639	SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1 [Source:Jamboree;Acc:XB-GENE-5755357]
1	ENSXETG00000019911	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7 [Source:Jamboree;Acc:XB-GENE-963950]
1	ENSXETG00000020898	WDR7	WD repeat domain 7 [Source:Jamboree;Acc:XB-GENE-951997]
1	ENSXETG00000008325	XB-GENE-961613	Putative ortholog of galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1 (EC 2.4.1.135) (Beta-1,3-glucuronyltransferase 1) (Glucuronosyltransferase-P) (GlcAT-P) (UDP-GlcUA:glycoprotein beta- 1,3-glucuronyltransferase) (GlcUAT-P). [Source:UniProt/SWISSPROT;Acc:, 1 of 1 [Source:Jamboree;Acc:XB-GENE-961613]
7	ENSXETG00000017315	ADCY9	adenylate cyclase 9 [Source:Jamboree;Acc:XB-GENE-999257]
7	ENSXETG00000009661	AGAP2	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2 [Source:Jamboree;Acc:XB-GENE-1011294]
7	ENSXETG00000025139	ARL6IP5	ADP-ribosylation-like factor 6 interacting protein 5 [Source:Jamboree;Acc:XB-GENE-482901]
7	ENSXETG00000024966	C10ORF54	chromosome 10 open reading frame 54 [Source:Jamboree;Acc:XB-GENE-946677]
7	ENSXETG00000012991	CHD3	chromodomain helicase DNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-1008908]
7	ENSXETG00000023798	CLU	clusterin [Source:Jamboree;Acc:XB-GENE-5940737]
7	ENSXETG00000000810	DIRAS2	DIRAS family, GTP-binding RAS-like 2 [Source:Jamboree;Acc:XB-GENE-485682]
7	ENSXETG00000003453	FAM43A	family with sequence similarity 43, member A [Source:Jamboree;Acc:XB-GENE-5860868]
7	ENSXETG00000016448	ITPR2	inositol 1,4,5-trisphosphate receptor, type 2 [Source:Jamboree;Acc:XB-GENE-877157]
7	ENSXETG00000014462	KCNIP2	Kv channel interacting protein 2 [Source:Jamboree;Acc:XB-GENE-988846]
7	ENSXETG00000015471	KCTD12	potassium channel tetramerisation domain containing 12 [Source:Jamboree;Acc:XB-GENE-998762]
7	ENSXETG00000025054	N/A	N/A
7	ENSXETG00000026533	N/A	N/A
7	XLOC_005865	N/A	N/A
7	XLOC_015384	N/A	N/A
7	XLOC_015933	N/A	N/A
7	XLOC_020063	N/A	N/A
7	XLOC_039163	N/A	N/A
7	ENSXETG00000007054	NCAM2	neural cell adhesion molecule 2 [Source:Jamboree;Acc:XB-GENE-1217730]
7	ENSXETG00000022580	NHSL2	NHS-like 2 [Source:Jamboree;Acc:XB-GENE-6467658]
7	ENSXETG00000011726	NTRK2	neurotrophic tyrosine kinase, receptor, type 2 [Source:Jamboree;Acc:XB-GENE-922932]
7	ENSXETG00000008401	OPRM1	opioid receptor, mu 1 [Source:Jamboree;Acc:XB-GENE-1011391]
7	ENSXETG00000019162	RPRML	reprimo-like [Source:Jamboree;Acc:XB-GENE-996624]
7	ENSXETG00000003762	SIK3	SIK family kinase 3 [Source:Jamboree;Acc:XB-GENE-6042192]
7	ENSXETG00000013354	SLITRK1	SLIT and NTRK-like family, member 1 [Source:Jamboree;Acc:XB-GENE-998737]

7	ENSXETG00000004288	SLITRK2	SLIT and NTRK-like family, member 2 [Source:Jamboree;Acc:XB-GENE-964776]
7	ENSXETG00000001822	SPRYD3	SPRY domain containing 3 [Source:Jamboree;Acc:XB-GENE-5957038]
7	ENSXETG00000024038	TECPR1	tectonin beta-propeller repeat containing 1 [Source:Jamboree;Acc:XB-GENE-5865975]
7	ENSXETG00000020749	TMOD2	tropomodulin 2 (neuronal) [Source:Jamboree;Acc:XB-GENE-944511]
7	ENSXETG00000029503	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]
7	ENSXETG00000009799	USP12	ubiquitin specific peptidase 12 [Source:Jamboree;Acc:XB-GENE-1009317]
12	ENSXETG00000013931	ARHGAP20	Rho GTPase activating protein 20 [Source:Jamboree;Acc:XB-GENE-1005914]
12	ENSXETG00000004302	C12ORF51	chromosome 12 open reading frame 51 [Source:Jamboree;Acc:XB-GENE-5899475]
12	ENSXETG00000016861	CBLN2	cerebellin 2 precursor [Source:Jamboree;Acc:XB-GENE-5897871]
12	ENSXETG00000014560	DGKH	diacylglycerol kinase, eta [Source:Jamboree;Acc:XB-GENE-955943]
12	ENSXETG00000021184	DNAJC27	DnaJ (Hsp40) homolog, subfamily C, member 27 [Source:Jamboree;Acc:XB-GENE-490420]
12	ENSXETG00000007538	FAM134B	family with sequence similarity 134, member B [Source:Jamboree;Acc:XB-GENE-982868]
12	ENSXETG00000012944	FOXO6	forkhead box O6 [Source:Jamboree;Acc:XB-GENE-482993]
12	ENSXETG00000007892	GRM1	glutamate receptor, metabotropic 1 [Source:Jamboree;Acc:XB-GENE-980107]
12	ENSXETG00000005426	GRM3	glutamate receptor, metabotropic 3 [Source:Jamboree;Acc:XB-GENE-977445]
12	ENSXETG00000012923	HIVEP3	human immunodeficiency virus type I enhancer binding protein 3 [Source:Jamboree;Acc:XB-GENE-482557]
12	ENSXETG00000013176	IFIH1	interferon induced with helicase C domain 1 [Source:Jamboree;Acc:XB-GENE-1011111]
12	ENSXETG00000007177	IQSEC2	IQ motif and Sec7 domain 2 [Source:Jamboree;Acc:XB-GENE-6035762]
12	ENSXETG00000025004	ITFG1	integrin alpha FG-GAP repeat containing 1 [Source:Jamboree;Acc:XB-GENE-5735764]
12	ENSXETG00000018850	MYO3B	myosin 3b [Source:Jamboree;Acc:XB-GENE-492483]
12	ENSXETG00000004146	N/A	N/A
12	ENSXETG00000014412	N/A	N/A
12	ENSXETG00000024719	N/A	N/A
12	ENSXETG00000026637	N/A	N/A
12	XLOC_008504	N/A	N/A
12	XLOC_015751	N/A	N/A
12	XLOC_016984	N/A	N/A
12	XLOC_020337	N/A	N/A
12	XLOC_021716	N/A	N/A
12	XLOC_032396	N/A	N/A
12	XLOC_033174	N/A	N/A
12	XLOC_033527	N/A	N/A
12	ENSXETG00000010949	NT5C1B	5'-nucleotidase, cytosolic IB [Source:Jamboree;Acc:XB-GENE-1009625]
12	ENSXETG00000000509	TMEM163	transmembrane protein 163 [Source:Jamboree;Acc:XB-GENE-5808413]
12	ENSXETG00000025293	ZFAND6	zinc finger, AN1-type domain 6 [Source:Jamboree;Acc:XB-GENE-950123]
12	ENSXETG00000001331	ZNF804A	zinc finger protein 804A [Source:Jamboree;Acc:XB-GENE-6458561]
31	ENSXETG00000011610	ABLIM2	actin binding LIM protein family, member 2 [Source:Jamboree;Acc:XB-GENE-490231]
31	ENSXETG00000021585	BAIAP3	BAI1-associated protein 3 [Source:Jamboree;Acc:XB-GENE-956301]
31	ENSXETG00000007868	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1 [Source:Jamboree;Acc:XB-GENE-964524]
31	ENSXETG00000015547	CAMK2D	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta [Source:Jamboree;Acc:XB-GENE-868293]
31	ENSXETG00000012405	CDK15	cyclin-dependent kinase 15 [Source:Jamboree;Acc:XB-GENE-961241]
31	ENSXETG00000015325	CNTN2	contactin 2 (axonal) [Source:Jamboree;Acc:XB-GENE-6070188]
31	ENSXETG00000001204	COLEC11	collectin sub-family member 11 [Source:Jamboree;Acc:XB-GENE-952506]
31	ENSXETG00000009251	DOCK4	dedicator of cytokinesis 4 [Source:Jamboree;Acc:XB-GENE-489778]
31	ENSXETG00000022526	EPS8	epidermal growth factor receptor pathway substrate 8 [Source:Jamboree;Acc:XB-GENE-996936]
31	ENSXETG00000015532	FBXL16	F-box and leucine-rich repeat protein 16 [Source:Jamboree;Acc:XB-GENE-5821642]
31	ENSXETG00000008887	FGGY	FGGY carbohydrate kinase domain containing [Source:Jamboree;Acc:XB-GENE-5811009]
31	ENSXETG00000001469	FIBCD1	fibrinogen C domain containing 1 [Source:Jamboree;Acc:XB-GENE-483361]
31	ENSXETG00000026517	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa) [Source:Jamboree;Acc:XB-GENE-976598]
31	ENSXETG00000021654	GGH	gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase) [Source:Jamboree;Acc:XB-GENE-944415]
31	ENSXETG00000019533	GLRB	glycine receptor, beta [Source:Jamboree;Acc:XB-GENE-1011734]
31	ENSXETG00000014183	GMPR	guanosine monophosphate reductase [Source:Jamboree;Acc:XB-GENE-982176]
31	ENSXETG00000003339	IQGAP2	IQ motif containing GTPase activating protein 2 [Source:Jamboree;Acc:XB-GENE-5752023]
31	ENSXETG00000002027	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4 [Source:Jamboree;Acc:XB-GENE-6032635]
31	ENSXETG00000015671	MCM6	minichromosome maintenance complex component 6 [Source:Jamboree;Acc:XB-GENE-5870537]
31	ENSXETG00000014942	N/A	N/A
31	ENSXETG00000015115	N/A	N/A
31	ENSXETG00000023312	N/A	N/A
31	ENSXETG00000025785	N/A	N/A
31	ENSXETG00000027130	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N3U8]
31	XLOC_003106	N/A	N/A
31	XLOC_011529	N/A	N/A
31	XLOC_025385	N/A	N/A
31	XLOC_025766	N/A	N/A
31	XLOC_032041	N/A	N/A
31	XLOC_043360	N/A	N/A
31	ENSXETG00000006906	NPTXR	neuronal pentraxin receptor [Source:Jamboree;Acc:XB-GENE-983806]
31	ENSXETG00000027713	P2RY1	purinergic receptor P2Y, G-protein coupled, 1 [Source:Jamboree;Acc:XB-GENE-1000145]
31	ENSXETG00000000087	PARP3	poly (ADP-ribose) polymerase family, member 3 [Source:Jamboree;Acc:XB-GENE-987109]
31	ENSXETG00000013348	SLITRK6	SLIT and NTRK-like family, member 6 [Source:Jamboree;Acc:XB-GENE-980871]
31	ENSXETG00000000596	TRPC1	transient receptor potential cation channel, subfamily C, member 1 [Source:Jamboree;Acc:XB-GENE-1004978]
31	ENSXETG00000017074	WDR41	WD repeat domain 41 [Source:Jamboree;Acc:XB-GENE-1016936]
31	ENSXETG00000003560	ZNFX1.2	zinc finger, NFX1-type containing 1, gene 2 [Source:Jamboree;Acc:XB-GENE-5996127]
34	ENSXETG00000015225	ARL3.1	ADP-ribosylation factor-like 3, gene 1 [Source:Jamboree;Acc:XB-GENE-956688]
34	ENSXETG00000001036	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6 [Source:Jamboree;Acc:XB-GENE-974114]
34	ENSXETG00000001207	BRI3BP	BRI3 binding protein [Source:Jamboree;Acc:XB-GENE-943691]
34	ENSXETG00000014383	CA11	carbonic anhydrase XI [Source:Jamboree;Acc:XB-GENE-6037596]
34	ENSXETG00000020309	CASD1	CAS1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-994775]
34	ENSXETG00000018487	CDC42EP3	cdc42 effector protein (Rho GTPase binding) 3 [Source:Jamboree;Acc:XB-GENE-1015015]
34	ENSXETG00000014706	CDH7	cadherin 7, type 2 [Source:Jamboree;Acc:XB-GENE-1012259]
34	ENSXETG00000000244	DBC1	deleted in bladder cancer 1 [Source:Jamboree;Acc:XB-GENE-1011965]
34	ENSXETG00000017114	DCLK2	doublecortin-like kinase 2 [Source:Jamboree;Acc:XB-GENE-960590]
34	ENSXETG00000012224	GMFB	glia maturation factor, beta [Source:Jamboree;Acc:XB-GENE-6077246]
34	ENSXETG00000024014	HM13	histocompatibility (minor) 13 [Source:Jamboree;Acc:XB-GENE-5941398]
34	ENSXETG00000027983	MYT1L	myelin transcription factor 1-like [Source:Jamboree;Acc:XB-GENE-988137]
34	ENSXETG00000015506	N/A	N/A
34	ENSXETG00000022599	N/A	N/A
34	ENSXETG00000027984	N/A	N/A

34	XLOC_016470	N/A	N/A
34	XLOC_022820	N/A	N/A
34	XLOC_035702	N/A	N/A
34	ENSXETG00000010528	PPP3CB	protein phosphatase 3, catalytic subunit, beta isozyme [Source:Jamboree;Acc:XB-GENE-949827]
34	ENSXETG00000018853	RAB3C	RAB3C, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-494770]
34	ENSXETG00000017630	RIMS3	regulating synaptic membrane exocytosis 3 [Source:Jamboree;Acc:XB-GENE-5959540]
34	ENSXETG00000000547	SCAMP1	secretory carrier membrane protein 1 [Source:Jamboree;Acc:XB-GENE-974711]
34	ENSXETG00000002609	SVEP1	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1 [Source:Jamboree;Acc:XB-GENE-5996067]
34	ENSXETG00000021603	THY1	Thy-1 cell surface antigen [Source:Jamboree;Acc:XB-GENE-493820]
35	ENSXETG00000000441	ATP2B2	ATPase, Ca++ transporting, plasma membrane 2 [Source:Jamboree;Acc:XB-GENE-950177]
35	ENSXETG00000006455	CAMK2G	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma [Source:Jamboree;Acc:XB-GENE-868520]
35	ENSXETG00000014191	CAP2	CAP, adenylate cyclase-associated protein, 2 [Source:Jamboree;Acc:XB-GENE-982188]
35	ENSXETG00000003466	CDK14	cyclin-dependent kinase 14 [Source:Jamboree;Acc:XB-GENE-943250]
35	ENSXETG00000004589	CDX4	caudal type homeobox 4 [Source:Jamboree;Acc:XB-GENE-482787]
35	ENSXETG00000019793	EDIL3	EGF-like repeats and discoidin 1-like domains 3 [Source:Jamboree;Acc:XB-GENE-853572]
35	ENSXETG00000016404	FNDC4	fibronectin type III domain containing 4 [Source:Jamboree;Acc:XB-GENE-997773]
35	ENSXETG00000014780	GTF2F2	general transcription factor IIF, polypeptide 2, 30kDa [Source:RefSeq peptide;Acc:NP_988987]
35	ENSXETG00000017857	LHFPL4	lipoma HMGIC fusion partner-like 4 [Source:Jamboree;Acc:XB-GENE-1013189]
35	ENSXETG00000019135	N/A	N/A
35	ENSXETG00000024460	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6ZWL7]
35	XLOC_001212	N/A	N/A
35	XLOC_014489	N/A	N/A
35	XLOC_022446	N/A	N/A
35	XLOC_032465	N/A	N/A
35	XLOC_037187	N/A	N/A
35	ENSXETG00000013400	PLEKHM2	pleckstrin homology domain containing, family M (with RUN domain) member 2 [Source:Jamboree;Acc:XB-GENE-5717447]
35	ENSXETG00000020299	PON2	paraoxonase 2 [Source:Jamboree;Acc:XB-GENE-491654]
35	ENSXETG00000001257	PURB	purine-rich element binding protein B [Source:Jamboree;Acc:XB-GENE-949705]
35	ENSXETG00000014935	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein) [Source:Jamboree;Acc:XB-GENE-494548]
35	ENSXETG00000017729	RALYL	RALY RNA binding protein-like [Source:Jamboree;Acc:XB-GENE-5767075]
35	ENSXETG00000015059	ZNF385B	zinc finger protein 385B [Source:Jamboree;Acc:XB-GENE-1219172]
65	ENSXETG00000023672	CAMK1	calcium/calmodulin-dependent protein kinase I [Source:Jamboree;Acc:XB-GENE-1017139]
65	ENSXETG00000010302	CHGA	chromogranin A (parathyroid secretory protein 1) [Source:Jamboree;Acc:XB-GENE-960411]
65	ENSXETG00000011658	KIF5B	kinesin family member 5B [Source:Jamboree;Acc:XB-GENE-854737]
65	ENSXETG00000020339	LDB2	LIM domain binding 2 [Source:Jamboree;Acc:XB-GENE-490279]
65	ENSXETG00000013957	LDHA	lactate dehydrogenase A [Source:Jamboree;Acc:XB-GENE-480608]
65	ENSXETG00000009635	LETMD1	LETM1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-962658]
65	ENSXETG00000021492	LRFN5	leucine rich repeat and fibronectin type III domain containing 5 [Source:Jamboree;Acc:XB-GENE-923445]
65	ENSXETG00000009943	NTNG1	netrin G1 [Source:Jamboree;Acc:XB-GENE-981283]
65	ENSXETG00000013565	PCDH17	protocadherin 17 [Source:Jamboree;Acc:XB-GENE-480220]
65	ENSXETG00000009056	PPFIBP2	PTPRF interacting protein, binding protein 2 (liprin beta 2) [Source:Jamboree;Acc:XB-GENE-1013068]
65	ENSXETG00000012788	PYGM	phosphorylase, glycogen, muscle [Source:Jamboree;Acc:XB-GENE-955302]
65	ENSXETG00000015914	RYBP	RING1 and YY1 binding protein [Source:Jamboree;Acc:XB-GENE-992066]
65	ENSXETG00000000624	SERPINB1	serpin peptidase inhibitor, clade B (ovalbumin), member 1 [Source:Jamboree;Acc:XB-GENE-1217264]
65	ENSXETG00000018025	SLC22A23	solute carrier family 22, member 23 [Source:Jamboree;Acc:XB-GENE-966989]
65	ENSXETG00000021616	SLC7A4	solute carrier family 7 (orphan transporter), member 4 [Source:Jamboree;Acc:XB-GENE-960138]
65	ENSXETG00000015622	SYN2	synapsin II [Source:Jamboree;Acc:XB-GENE-959237]
65	ENSXETG00000015442	SYT4	synaptotagmin 4 [Source:Jamboree;Acc:XB-GENE-5963049]
66	ENSXETG00000009908	ATP6V1A	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A [Source:Jamboree;Acc:XB-GENE-479548]
66	ENSXETG00000006222	B4GALNT1	beta-1,4-N-acetyl-galactosaminyl transferase 1 [Source:Jamboree;Acc:XB-GENE-960512]
66	ENSXETG00000006571	C2CD4C	C2 calcium-dependent domain containing 4C [Source:Jamboree;Acc:XB-GENE-5998006]
66	ENSXETG00000015112	CADM4	cell adhesion molecule 4 [Source:Jamboree;Acc:XB-GENE-992659]
66	ENSXETG00000024946	COMT.2	catechol-O-methyltransferase [Source:Jamboree;Acc:XB-GENE-5865481]
66	ENSXETG00000019836	CPNE7	copine VII [Source:Jamboree;Acc:XB-GENE-983652]
66	ENSXETG00000024015	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-1011134]
66	ENSXETG00000005808	ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide) [Source:Jamboree;Acc:XB-GENE-1013152]
66	ENSXETG00000024039	LMTK2	lemur tyrosine kinase 2 [Source:Jamboree;Acc:XB-GENE-980913]
66	ENSXETG00000018967	MRPS24	mitochondrial ribosomal protein S24 [Source:Jamboree;Acc:XB-GENE-960276]
66	ENSXETG00000005285	N/A	N/A
66	XLOC_038473	N/A	N/A
66	XLOC_041064	N/A	N/A
66	ENSXETG00000003761	PAFAH1B2	platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (30kDa) [Source:Jamboree;Acc:XB-GENE-962580]
66	ENSXETG00000001377	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) [Source:Jamboree;Acc:XB-GENE-856481]
66	ENSXETG00000022951	PRKCE	protein kinase C, epsilon [Source:Jamboree;Acc:XB-GENE-981655]
66	ENSXETG00000015999	PRKCZ	protein kinase C, zeta [Source:Jamboree;Acc:XB-GENE-494709]
66	ENSXETG00000006898	RHOC	ras homolog gene family, member C [Source:Jamboree;Acc:XB-GENE-941426]
66	ENSXETG00000010669	SCAMP5	secretory carrier membrane protein 5 [Source:Jamboree;Acc:XB-GENE-1006975]
66	ENSXETG00000011685	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 [Source:Jamboree;Acc:XB-GENE-1011544]
66	ENSXETG00000002790	SLC8A2	solute carrier family 8 (sodium/calcium exchanger), member 2 [Source:Jamboree;Acc:XB-GENE-992835]
66	ENSXETG00000000988	STARD9	StAR-related lipid transfer (START) domain containing 9 [Source:Jamboree;Acc:XB-GENE-995220]
80	ENSXETG00000011174	ARF3	ADP-ribosylation factor 3 [Source:Jamboree;Acc:XB-GENE-952628]
80	ENSXETG00000013287	ATP2C2	ATPase, Ca++ transporting, type 2C, member 2 [Source:Jamboree;Acc:XB-GENE-5873516]
80	ENSXETG00000025214	BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3 [Source:Jamboree;Acc:XB-GENE-971175]
80	ENSXETG00000006460	CAMK2A	calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha [Source:Jamboree;Acc:XB-GENE-868353]
80	ENSXETG00000017283	CAMK2N2	calcium/calmodulin-dependent protein kinase II inhibitor 2 [Source:Jamboree;Acc:XB-GENE-960926]
80	ENSXETG00000020962	CAMKK2	calcium/calmodulin-dependent protein kinase kinase 2, beta [Source:Jamboree;Acc:XB-GENE-990544]
80	ENSXETG00000015727	CLCN4	chloride channel 4 [Source:Jamboree;Acc:XB-GENE-949931]
80	ENSXETG00000005053	DGKB	diacylglycerol kinase, beta 90kDa [Source:Jamboree;Acc:XB-GENE-5870147]
80	ENSXETG00000004913	DGKQ	diacylglycerol kinase, theta 110kDa [Source:Jamboree;Acc:XB-GENE-868466]
80	ENSXETG00000014119	DOPEY2	dopey family member 2 [Source:Jamboree;Acc:XB-GENE-1217366]
80	ENSXETG00000019631	EIF4E1B	eukaryotic translation initiation factor 4E family member 1B [Source:Jamboree;Acc:XB-GENE-6258261]
80	ENSXETG00000012404	FZD7	frizzled family receptor 7 [Source:Jamboree;Acc:XB-GENE-483731]
80	ENSXETG00000008421	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2 [Source:Jamboree;Acc:XB-GENE-1000398]

80	ENSXETG00000022399	GUCY1B3	guanylate cyclase 1, soluble, beta 3 [Source:Jamboree;Acc:XB-GENE-950986]
80	ENSXETG00000010251	HSP90AA1.1	heat shock protein 90kDa alpha (cytosolic), class A member 1, gene 1 [Source:Jamboree;Acc:XB-GENE-495303]
80	ENSXETG00000027280	ITM2A	integral membrane protein 2A [Source:Jamboree;Acc:XB-GENE-1008613]
80	ENSXETG00000015558	KIF21A	kinesin family member 21A [Source:Jamboree;Acc:XB-GENE-1010599]
80	ENSXETG00000021354	KSR1	kinase suppressor of ras 1 [Source:Jamboree;Acc:XB-GENE-1004628]
80	ENSXETG00000014118	N/A	N/A
80	ENSXETG00000017282	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CSD1]
80	XLOC_001133	N/A	N/A
80	XLOC_020406	N/A	N/A
80	XLOC_026956	N/A	N/A
80	ENSXETG00000005319	NCCRP1	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish) [Source:Jamboree;Acc:XB-GENE-1013762]
80	ENSXETG00000014625	NELL2	NEL-like 2 [Source:Jamboree;Acc:XB-GENE-852641]
80	ENSXETG00000026804	PTPRR	protein tyrosine phosphatase, receptor type, R [Source:Jamboree;Acc:XB-GENE-961693]
80	ENSXETG00000019330	R3HDM1	R3H domain containing 1 [Source:Jamboree;Acc:XB-GENE-984253]
80	ENSXETG00000028081	SERPINE2	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2 [Source:Jamboree;Acc:XB-GENE-947567]
80	ENSXETG00000022866	SERPINI1	serpin peptidase inhibitor, clade I (neuroserpin), member 1 [Source:Jamboree;Acc:XB-GENE-948443]
80	ENSXETG00000009636	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2 [Source:Jamboree;Acc:XB-GENE-487563]
80	ENSXETG00000023987	SLITRK5	SLIT and NTRK-like family, member 5 [Source:Jamboree;Acc:XB-GENE-6034846]
80	ENSXETG00000003212	SYT5	synaptotagmin V [Source:Jamboree;Acc:XB-GENE-991349]
80	ENSXETG00000011330	TMEM106B	transmembrane protein 106B [Source:Jamboree;Acc:XB-GENE-5843726]
80	ENSXETG00000011196	TMEM59L	transmembrane protein 59-like [Source:Jamboree;Acc:XB-GENE-958345]
80	ENSXETG00000003377	XB-GENE-997187	Putative ortholog of vacuolar ATP synthase subunit S1 precursor (EC 3.6.3.14) (V-ATPase S1 subunit) (V-ATPase S1 accessory protein) (V-ATPase Ac45 subunit) (C7-1 protein), 1 of 2 [Source:Jamboree;Acc:XB-GENE-997187]
81	ENSXETG00000009033	AP2A1	adaptor-related protein complex 2, alpha 1 subunit [Source:RefSeq peptide;Acc:NP_001090846]
81	ENSXETG00000019933	C1QTNF4	C1q and tumor necrosis factor related protein 4 [Source:Jamboree;Acc:XB-GENE-975450]
81	ENSXETG00000011680	LNX1	ligand of numb-protein X 1 [Source:Jamboree;Acc:XB-GENE-952178]
81	ENSXETG00000015887	MAP2K1	mitogen-activated protein kinase kinase 1 [Source:Jamboree;Acc:XB-GENE-478822]
81	ENSXETG00000022149	MTG1	mitochondrial GTPase 1 homolog [Source:Jamboree;Acc:XB-GENE-957647]
81	ENSXETG00000005211	MYO9A	myosin 9a [Source:Jamboree;Acc:XB-GENE-492474]
81	ENSXETG00000008344	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U3F9]
81	XLOC_016572	N/A	N/A
81	XLOC_017809	N/A	N/A
81	XLOC_019182	N/A	N/A
81	XLOC_033665	N/A	N/A
81	ENSXETG00000006631	NCALD	neurocalcin delta [Source:Jamboree;Acc:XB-GENE-948387]
81	ENSXETG00000001875	PCDH1	protocadherin 1 [Source:Jamboree;Acc:XB-GENE-983603]
81	ENSXETG00000013420	RASD2	RASD family, member 2 [Source:Jamboree;Acc:XB-GENE-494969]
81	ENSXETG00000015299	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 [Source:Jamboree;Acc:XB-GENE-1013843]

Pattern_11 : Sharp decrease between NF stage 50 and 56 and plateaus (opposite of Pattern 4) – 4, 24, 19, 9 / 71, 10

Cluster ID	Gene ID	Gene name	Description
4	ENSXETG00000004738	C1ORF112	chromosome 1 open reading frame 112 [Source:Jamboree;Acc:XB-GENE-5952633]
4	ENSXETG00000023306	CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 [Source:Jamboree;Acc:XB-GENE-853455]
4	ENSXETG00000005197	CENPA	centromere protein A [Source:Jamboree;Acc:XB-GENE-484234]
4	ENSXETG00000025651	EIF4EBP2	eukaryotic translation initiation factor 4E binding protein 2 [Source:Jamboree;Acc:XB-GENE-485270]
4	ENSXETG00000007799	KNTC1	kinetochore associated 1 [Source:Jamboree;Acc:XB-GENE-1011946]
4	ENSXETG00000019706	MIS18BP1	MIS18 binding protein 1 [Source:Jamboree;Acc:XB-GENE-6468517]
4	ENSXETG00000001279	N/A	N/A
4	ENSXETG00000010504	N/A	N/A
4	XLOC_003347	N/A	N/A
4	XLOC_014318	N/A	N/A
4	XLOC_020741	N/A	N/A
4	XLOC_040329	N/A	N/A
4	ENSXETG00000001245	NCAPH	non-SMC condensin I complex, subunit H [Source:Jamboree;Acc:XB-GENE-5738397]
4	ENSXETG00000006153	NUDT13	nudix (nucleoside diphosphate linked moiety X)-type motif 13 [Source:Jamboree;Acc:XB-GENE-987788]
4	ENSXETG00000008826	PDLIM1	PDZ and LIM domain 1 [Source:Jamboree;Acc:XB-GENE-1004691]
4	ENSXETG00000025421	PRIM1	primase, DNA, polypeptide 1 (49kDa) [Source:Jamboree;Acc:XB-GENE-969075]
4	ENSXETG00000014145	RFX4	regulatory factor X, 4 (influences HLA class II expression) [Source:Jamboree;Acc:XB-GENE-1018509]
4	ENSXETG00000018150	RPL36A	ribosomal protein L36a [Source:Jamboree;Acc:XB-GENE-974799]
4	ENSXETG00000022838	SDC4	syndecan 4 [Source:Jamboree;Acc:XB-GENE-5727116]
4	ENSXETG00000001854	TOPBP1	topoisomerase (DNA) II binding protein 1 [Source:Jamboree;Acc:XB-GENE-990637]
4	ENSXETG00000023304	TRMU	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase [Source:Jamboree;Acc:XB-GENE-1010591]
4	ENSXETG00000004225	UPB1	ureidopropionase, beta [Source:Jamboree;Acc:XB-GENE-976127]
9	ENSXETG00000007668	AARS	alanyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-963523]
9	ENSXETG00000006883	C9ORF7	chromosome 9 open reading frame 7 [Source:Jamboree;Acc:XB-GENE-6257568]
9	ENSXETG00000024394	CDC6	cell division cycle 6 homolog [Source:Jamboree;Acc:XB-GENE-974720]
9	ENSXETG00000000372	CNOT6L	CCR4-NOT transcription complex, subunit 6-like [Source:Jamboree;Acc:XB-GENE-977551]
9	ENSXETG00000010655	COL2A1	collagen, type II, alpha 1 [Source:Jamboree;Acc:XB-GENE-6258353]
9	ENSXETG00000007851	CRTAP	cartilage associated protein [Source:Jamboree;Acc:XB-GENE-1009954]
9	ENSXETG00000026537	GADD45G	growth arrest and DNA-damage-inducible, gamma [Source:Jamboree;Acc:XB-GENE-481955]
9	ENSXETG00000024114	GAR1	GAR1 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-6258514]
9	ENSXETG00000016809	GINS4	GINS complex subunit 4 (Sld5 homolog) [Source:Jamboree;Acc:XB-GENE-949838]
9	ENSXETG00000022630	HAUS4	HAUS augmin-like complex, subunit 4 [Source:Jamboree;Acc:XB-GENE-995661]
9	ENSXETG00000001795	LMNB2	lamin B2 [Source:Jamboree;Acc:XB-GENE-490443]
9	ENSXETG00000018445	LPAR4	lysophosphatidic acid receptor 4 [Source:Jamboree;Acc:XB-GENE-989373]
9	ENSXETG00000013593	MBD3	methyl-CpG binding domain protein 3 [Source:Jamboree;Acc:XB-GENE-491553]
9	ENSXETG00000025505	MYL9	myosin, light chain 9, regulatory [Source:Jamboree;Acc:XB-GENE-5949813]
9	ENSXETG00000004422	MYO1A	myosin IA [Source:Jamboree;Acc:XB-GENE-979281]
9	ENSXETG00000007669	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6PWP4]
9	ENSXETG00000013521	N/A	N/A
9	ENSXETG00000024879	N/A	N/A
9	ENSXETG00000025268	N/A	N/A
9	XLOC_002616	N/A	N/A
9	XLOC_016809	N/A	N/A
9	XLOC_017336	N/A	N/A

9	XLOC_027693	N/A	N/A
9	XLOC_039026	N/A	N/A
9	ENSXETG00000024755	NDUFAF3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 3 [Source:Jamboree;Acc:XB-GENE-999944]
9	ENSXETG00000006731	NHP2	NHP2 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-973261]
9	ENSXETG00000024532	PUS3	pseudouridylate synthase 3 [Source:Jamboree;Acc:XB-GENE-5897110]
9	ENSXETG00000017770	RLBP1	retinaldehyde binding protein 1 [Source:Jamboree;Acc:XB-GENE-976303]
9	ENSXETG00000022018	RPL14	ribosomal protein L14 [Source:Jamboree;Acc:XB-GENE-5819035]
9	ENSXETG00000006884	SLC2A6	solute carrier family 2 (facilitated glucose transporter), member 6 [Source:Jamboree;Acc:XB-GENE-5944908]
9	ENSXETG00000011764	SMYD5	SMYD family member 5 [Source:Jamboree;Acc:XB-GENE-988091]
9	ENSXETG00000002173	SNRPD2	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa [Source:Jamboree;Acc:XB-GENE-964248]
9	ENSXETG00000022046	SQRDL	sulfide quinone reductase-like [Source:Jamboree;Acc:XB-GENE-957726]
9	ENSXETG00000024882	XB-GENE-5809273	suppressor of cytokine signaling 3 [Source:Jamboree;Acc:XB-GENE-5809273]
9	ENSXETG00000013902	XB-GENE-5814061	acyl-CoA dehydrogenase (3J649) [Source:Jamboree;Acc:XB-GENE-5814061]
10	ENSXETG00000018331	DCK.2	deoxycytidine kinase, gene 2 [Source:Jamboree;Acc:XB-GENE-5727742]
10	ENSXETG00000013780	E2F5	E2F transcription factor 5, p130-binding [Source:Jamboree;Acc:XB-GENE-481326]
10	ENSXETG00000004436	E2F8	E2F transcription factor 8 [Source:Jamboree;Acc:XB-GENE-1219148]
10	ENSXETG00000020442	ESCO2	establishment of cohesion 1 homolog 2 (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5955289]
10	ENSXETG00000012668	ESPL1	extra spindle pole bodies homolog 1 [Source:Jamboree;Acc:XB-GENE-1004361]
10	ENSXETG00000011784	GSX1	GS homeobox 1 [Source:Jamboree;Acc:XB-GENE-855502]
10	ENSXETG00000009343	IMPDH2	IMP (inosine 5'-monophosphate) dehydrogenase 2 [Source:Jamboree;Acc:XB-GENE-478728]
10	ENSXETG00000027460	KIAA0101	KIAA0101 [Source:Jamboree;Acc:XB-GENE-1006964]
10	ENSXETG00000012213	KIF11	kinesin family member 11 [Source:Jamboree;Acc:XB-GENE-978999]
10	ENSXETG00000018551	LBR	lamin B receptor [Source:Jamboree;Acc:XB-GENE-979300]
10	ENSXETG00000012868	MCM9	minichromosome maintenance complex component 9 [Source:Jamboree;Acc:XB-GENE-949288]
10	ENSXETG00000012125	MYBL2	v-myb myeloblastosis viral oncogene homolog-like 2 [Source:Jamboree;Acc:XB-GENE-982419]
10	ENSXETG00000021705	N/A	N/A
10	ENSXETG00000027137	N/A	N/A
10	XLOC_020054	N/A	N/A
10	XLOC_031106	N/A	N/A
10	XLOC_032678	N/A	N/A
10	ENSXETG00000023826	NCAPG	non-SMC condensin I complex, subunit G [Source:Jamboree;Acc:XB-GENE-5783775]
10	ENSXETG00000023090	NCAPH2	non-SMC condensin II complex, subunit H2 [Source:Jamboree;Acc:XB-GENE-993063]
10	ENSXETG00000014962	NOP56	NOP56 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-5879910]
10	ENSXETG00000003001	NOTUM	notum pectinacetylesterase homolog [Source:Jamboree;Acc:XB-GENE-996986]
10	ENSXETG00000021661	PTBP1	polypyrimidine tract binding protein 1 [Source:Jamboree;Acc:XB-GENE-5818206]
10	ENSXETG00000023764	PTK2	PTK2 protein tyrosine kinase 2 [Source:Jamboree;Acc:XB-GENE-952025]
10	ENSXETG00000021095	RPL34	ribosomal protein L34 [Source:Jamboree;Acc:XB-GENE-957318]
10	ENSXETG00000003999	RRM1	ribonucleotide reductase M1 [Source:Jamboree;Acc:XB-GENE-1014077]
10	ENSXETG00000009595	SKA3	spindle and kinetochore associated complex subunit 3 [Source:Jamboree;Acc:XB-GENE-994918]
10	ENSXETG00000018275	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5 [Source:Jamboree;Acc:XB-GENE-482596]
10	ENSXETG00000029745	SNORD89	Small nucleolar RNA SNORD89 [Source:RFAM;Acc:RF00578]
10	ENSXETG00000010306	SPC25	SPC25, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-950628]
10	ENSXETG00000014626	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) [Source:Jamboree;Acc:XB-GENE-1013422]
10	ENSXETG00000014881	UBE2C	ubiquitin-conjugating enzyme E2C [Source:Jamboree;Acc:XB-GENE-971108]
10	ENSXETG00000005035	XB-GENE-5722383	hypothetical protein LOC733945 [Source:Jamboree;Acc:XB-GENE-5722383]
10	ENSXETG00000008795	ZNF804B	zinc finger protein 804B [Source:Jamboree;Acc:XB-GENE-6458541]
10	ENSXETG00000028764	7SK	7SK RNA [Source:RFAM;Acc:RF00100]
19	ENSXETG00000000488	CCNT2	cyclin T2 [Source:Jamboree;Acc:XB-GENE-5963189]
19	ENSXETG00000007390	DNAJC1	DnaJ (Hsp40) homolog, subfamily C, member 1 [Source:Jamboree;Acc:XB-GENE-950431]
19	ENSXETG00000008069	FGF11	fibroblast growth factor 11 [Source:Jamboree;Acc:XB-GENE-479522]
19	ENSXETG00000005230	GPSM2	G-protein signaling modulator 2 [Source:Jamboree;Acc:XB-GENE-949357]
19	ENSXETG00000009916	HGD	homogentisate 1,2-dioxygenase [Source:Jamboree;Acc:XB-GENE-996013]
19	ENSXETG00000003287	HMHA1	histocompatibility (minor) HA-1 [Source:Jamboree;Acc:XB-GENE-990078]
19	ENSXETG00000007527	ITGA6	integrin, alpha 6 [Source:Jamboree;Acc:XB-GENE-489982]
19	ENSXETG00000017560	LIN37	lin-37 homolog [Source:Jamboree;Acc:XB-GENE-994770]
19	ENSXETG00000000839	MKI67IP	MKI67 (FHA domain) interacting nucleolar phosphoprotein [Source:Jamboree;Acc:XB-GENE-940532]
19	ENSXETG00000005269	N/A	N/A
19	ENSXETG00000005572	N/A	N/A
19	ENSXETG00000012391	N/A	N/A
19	XLOC_000096	N/A	N/A
19	XLOC_005399	N/A	N/A
19	XLOC_012302	N/A	N/A
19	XLOC_020215	N/A	N/A
19	ENSXETG00000016857	ODZ2	odz, odd Oz/ten-m homolog 2 [Source:Jamboree;Acc:XB-GENE-5799894]
19	ENSXETG00000021718	ORC4	origin recognition complex, subunit 4 [Source:Jamboree;Acc:XB-GENE-1012480]
19	ENSXETG00000007726	PLP2	proteolipid protein 2 (colonic epithelium-enriched) [Source:Jamboree;Acc:XB-GENE-1015503]
19	ENSXETG00000009913	POLQ	polymerase (DNA directed), theta [Source:Jamboree;Acc:XB-GENE-996022]
19	ENSXETG00000016582	RECQL4	RecQ protein-like 4 [Source:Jamboree;Acc:XB-GENE-997814]
19	ENSXETG00000012730	STC2	stanniocalcin 2 [Source:Jamboree;Acc:XB-GENE-1015863]
19	ENSXETG00000023963	TMEM216	transmembrane protein 216 [Source:Jamboree;Acc:XB-GENE-5943045]
24	ENSXETG00000000343	ANLN	anillin, actin binding protein [Source:Jamboree;Acc:XB-GENE-489407]
24	ENSXETG00000025707	ASNS	asparagine synthetase (glutamine-hydrolyzing) [Source:Jamboree;Acc:XB-GENE-1006768]
24	ENSXETG00000024564	BRCA1	breast cancer 1, early onset [Source:Jamboree;Acc:XB-GENE-490624]
24	ENSXETG00000014934	C2ORF62	chromosome 2 open reading frame 62 [Source:Jamboree;Acc:XB-GENE-942706]
24	ENSXETG00000012459	CCNF	cyclin F [Source:Jamboree;Acc:XB-GENE-963729]
24	ENSXETG00000021310	CDC25A	cell division cycle 25 homolog A [Source:Jamboree;Acc:XB-GENE-5809292]
24	ENSXETG00000023034	CDC7	cell division cycle 7 homolog [Source:Jamboree;Acc:XB-GENE-951314]
24	ENSXETG00000019762	DDX26B	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B [Source:Jamboree;Acc:XB-GENE-964063]
24	ENSXETG00000016731	ELOF1	elongation factor 1 homolog [Source:Jamboree;Acc:XB-GENE-940560]
24	ENSXETG00000025265	FAM100B	family with sequence similarity 100, member B [Source:Jamboree;Acc:XB-GENE-987732]
24	ENSXETG00000023851	FBRSL1	fibrosin-like 1 [Source:Jamboree;Acc:XB-GENE-6464685]
24	ENSXETG00000020384	IQGAP3	IQ motif containing GTPase activating protein 3 [Source:Jamboree;Acc:XB-GENE-493015]
24	ENSXETG00000016139	KIAA1524	KIAA1524 [Source:Jamboree;Acc:XB-GENE-5926363]
24	ENSXETG00000004282	KIF18A	kinesin family member 18A [Source:Jamboree;Acc:XB-GENE-990470]
24	ENSXETG00000025209	MGMT	O-6-methylguanine-DNA methyltransferase [Source:Jamboree;Acc:XB-GENE-941688]
24	XLOC_005864	N/A	N/A
24	XLOC_010881	N/A	N/A
24	XLOC_020791	N/A	N/A
24	XLOC_024223	N/A	N/A
24	XLOC_027862	N/A	N/A

24	XLOC_035973	N/A	N/A
24	ENSXETG00000020975	NOC3L	nucleolar complex associated 3 homolog [Source:Jamboree;Acc:XB-GENE-5957761]
24	ENSXETG00000018955	NT5DC4	5'-nucleotidase domain containing 4 [Source:Jamboree;Acc:XB-GENE-5867778]
24	ENSXETG00000024943	SF3A2	splicing factor 3a, subunit 2, 66kDa [Source:Jamboree;Acc:XB-GENE-492856]
24	ENSXETG00000029688	SNORA36	Small nucleolar RNA SNORA36 family [Source:RFAM;Acc:RF00340]
24	ENSXETG00000029813	SNORA79	Small nucleolar RNA SNORA79 [Source:RFAM;Acc:RF00600]
71	ENSXETG00000029557	7SK	7SK RNA [Source:RFAM;Acc:RF00100]
71	ENSXETG00000020999	ACVR2B	activin A receptor, type IIB [Source:Jamboree;Acc:XB-GENE-484248]
71	ENSXETG00000009983	BIRC5.2	baculoviral IAP repeat containing 5 [Source:Jamboree;Acc:XB-GENE-966741]
71	ENSXETG00000009564	BUB3	budding uninhibited by benzimidazoles 3 homolog [Source:Jamboree;Acc:XB-GENE-955683]
71	ENSXETG00000006112	C20ORF20	chromosome 20 open reading frame 20 [Source:Jamboree;Acc:XB-GENE-948003]
71	ENSXETG00000021289	CEP57L1	centrosomal protein 57kDa-like 1 [Source:Jamboree;Acc:XB-GENE-5897356]
71	ENSXETG00000005776	CHTF18	CTF18, chromosome transmission fidelity factor 18 homolog [Source:Jamboree;Acc:XB-GENE-987602]
71	ENSXETG00000000021	E2F3	E2F transcription factor 3 [Source:Jamboree;Acc:XB-GENE-974737]
71	ENSXETG00000021731	EPHA2	EPH receptor A2 [Source:Jamboree;Acc:XB-GENE-5761259]
71	ENSXETG00000005936	FAM126A	family with sequence similarity 126, member A [Source:Jamboree;Acc:XB-GENE-854836]
71	ENSXETG00000017588	FBP1	fructose-1,6-bisphosphatase 1 [Source:Jamboree;Acc:XB-GENE-1002596]
71	ENSXETG00000001315	FOXM1	forkhead box M1 [Source:Jamboree;Acc:XB-GENE-854081]
71	ENSXETG00000000187	GCSH	glycine cleavage system protein H (aminomethyl carrier) [Source:Jamboree;Acc:XB-GENE-956061]
71	ENSXETG00000004469	GINS2	GINS complex subunit 2 (Psf2 homolog) [Source:Jamboree;Acc:XB-GENE-1003828]
71	ENSXETG00000021500	HAUS1	HAUS augmin-like complex, subunit 1 [Source:Jamboree;Acc:XB-GENE-962939]
71	ENSXETG00000001769	HES4	hairy and enhancer of split 4 [Source:Jamboree;Acc:XB-GENE-487830]
71	ENSXETG00000016838	HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) [Source:Jamboree;Acc:XB-GENE-480060]
71	ENSXETG00000009961	KCNK5	potassium channel, subfamily K, member 5 [Source:Jamboree;Acc:XB-GENE-979847]
71	ENSXETG00000006721	KIF20A	kinesin family member 20A [Source:Jamboree;Acc:XB-GENE-967269]
71	ENSXETG00000014891	MCM6.2	minichromosome maintenance complex component 6 [Source:Jamboree;Acc:XB-GENE-962678]
71	ENSXETG00000006551	MELK	maternal embryonic leucine zipper kinase [Source:Jamboree;Acc:XB-GENE-987654]
71	ENSXETG00000013536	MGC147419	uncharacterized protein LOC780218 [Source:RefSeq peptide;Acc:NP_001072761]
71	ENSXETG00000013810	N/A	N/A
71	ENSXETG00000021349	N/A	N/A
71	ENSXETG00000026082	N/A	N/A
71	XLOC_002910	N/A	N/A
71	XLOC_018223	N/A	N/A
71	ENSXETG00000011728	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2 [Source:Jamboree;Acc:XB-GENE-954117]
71	ENSXETG00000022073	NOP58	NOP58 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-990556]
71	ENSXETG00000026886	PPAP2C	phosphatidic acid phosphatase type 2C [Source:Jamboree;Acc:XB-GENE-5816438]
71	ENSXETG00000015951	RAD51	RAD51 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-1016881]
71	ENSXETG00000003527	RRM2.1	ribonucleotide reductase M2, gene 1 [Source:Jamboree;Acc:XB-GENE-947052]
71	ENSXETG00000018832	SERP1	stress-associated endoplasmic reticulum protein 1 [Source:Jamboree;Acc:XB-GENE-1004958]
71	ENSXETG00000016155	SMTN	smoothelin [Source:Jamboree;Acc:XB-GENE-951898]
71	ENSXETG00000002585	SNRPA	small nuclear ribonucleoprotein polypeptide A [Source:Jamboree;Acc:XB-GENE-494246]
71	ENSXETG00000012644	TARBP2	TAR (HIV-1) RNA binding protein 2 [Source:Jamboree;Acc:XB-GENE-491800]
71	ENSXETG00000009985	THA1P	threonine aldolase 1 pseudogene [Source:Jamboree;Acc:XB-GENE-972838]
71	ENSXETG00000001447	THUMPD3	THUMP domain containing 3 [Source:Jamboree;Acc:XB-GENE-877264]
71	ENSXETG00000002548	TPX2	TPX2 protein, microtubule-associated [Source:Jamboree;Acc:XB-GENE-5810264]
71	ENSXETG00000020457	TXNDC5	thioredoxin domain containing 5 [Source:Jamboree;Acc:XB-GENE-490945]
71	ENSXETG00000018210	UBXN2A	UBX domain protein 2A [Source:Jamboree;Acc:XB-GENE-972873]
71	ENSXETG00000029161	XTR-MIR-25-2	xtr-mir-25-1 [Source:miRBase;Acc:MI0004914]

Pattern_12 : No change between NF stages 50 and 56, then sharp increase between NF stages 56 and 62 (opposite of Pattern 12) – 48, 13 / 58, 38 / 44, 47

Cluster ID	Gene ID	Gene name	Description
13	ENSXETG00000005207	BHLHE40	basic helix-loop-helix family, member e40 [Source:Jamboree;Acc:XB-GENE-486416]
13	ENSXETG00000012747	C20ORF27	chromosome 20 open reading frame 27 [Source:Jamboree;Acc:XB-GENE-5956504]
13	ENSXETG00000021972	COL27A1	collagen, type XXVII, alpha 1 [Source:Jamboree;Acc:XB-GENE-6032747]
13	ENSXETG00000025308	CORO2B	coronin, actin binding protein, 2B [Source:Jamboree;Acc:XB-GENE-1014762]
13	ENSXETG00000005305	CRHR1.2	corticotropin releasing hormone receptor 1, gene 2 [Source:Jamboree;Acc:XB-GENE-968267]
13	ENSXETG00000020758	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-953895]
13	ENSXETG00000014264	DFNB31	deafness, autosomal recessive 31 [Source:Jamboree;Acc:XB-GENE-989669]
13	ENSXETG00000018553	DNAH14	dynein, axonemal, heavy chain 14 [Source:Jamboree;Acc:XB-GENE-5960869]
13	ENSXETG00000009348	GPR133	G protein-coupled receptor 133 [Source:Jamboree;Acc:XB-GENE-980829]
13	ENSXETG00000015580	HTRA1	HtrA serine peptidase 1 [Source:Jamboree;Acc:XB-GENE-487699]
13	ENSXETG00000007336	LAMA4	laminin, alpha 4 [Source:Jamboree;Acc:XB-GENE-1004770]
13	ENSXETG00000022834	MATN4	matrilin 4 [Source:Jamboree;Acc:XB-GENE-990978]
13	ENSXETG00000021591	MCAM	melanoma cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-1002617]
13	ENSXETG00000018322	MCF2	MCF.2 cell line derived transforming sequence [Source:Jamboree;Acc:XB-GENE-949776]
13	ENSXETG00000013380	MCTP1	multiple C2 domains, transmembrane 1 [Source:Jamboree;Acc:XB-GENE-5812768]
13	ENSXETG00000018209	MFSD2B	major facilitator superfamily domain-containing protein 2b [Source:Jamboree;Acc:XB-GENE-6044470]
13	ENSXETG00000009502	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q683]
13	ENSXETG00000014223	N/A	N/A
13	ENSXETG00000022663	N/A	N/A
13	XLOC_007693	N/A	N/A
13	XLOC_010898	N/A	N/A
13	XLOC_012260	N/A	N/A
13	XLOC_021254	N/A	N/A
13	XLOC_023196	N/A	N/A
13	XLOC_030701	N/A	N/A
13	XLOC_043842	N/A	N/A
13	ENSXETG00000010315	PPP4R4	protein phosphatase 4, regulatory subunit 4 [Source:Jamboree;Acc:XB-GENE-1011051]
13	ENSXETG00000010261	PRDM6	PR domain containing 6 [Source:Jamboree;Acc:XB-GENE-854907]
13	ENSXETG00000021714	RTKN	rhotekin [Source:Jamboree;Acc:XB-GENE-5943262]
13	ENSXETG00000019186	RXFP2	relaxin/insulin-like family peptide receptor 2 [Source:Jamboree;Acc:XB-GENE-1011464]
13	ENSXETG00000019731	SLC13A5	solute carrier family 13 (sodium-dependent citrate transporter), member 5 [Source:Jamboree;Acc:XB-GENE-983513]
13	ENSXETG00000015347	TGFB2	transforming growth factor, beta 2 [Source:Jamboree;Acc:XB-GENE-480560]
13	ENSXETG00000014965	VIL1	villin 1 [Source:Jamboree;Acc:XB-GENE-965127]
13	ENSXETG00000024935	XB-GENE-5772074	hypothetical protein LOC100144966 [Source:Jamboree;Acc:XB-GENE-5772074]
13	ENSXETG00000005334	XB-GENE-5961850	hypothetical protein LOC100144987 [Source:Jamboree;Acc:XB-GENE-5961850]
38	ENSXETG00000021098	AGXT2L1	alanine-glyoxylate aminotransferase 2-like 1 [Source:Jamboree;Acc:XB-GENE-968831]
38	ENSXETG00000006260	AK8	adenylate kinase 8 [Source:Jamboree;Acc:XB-GENE-5831327]
38	ENSXETG00000013387	ANKRD32	ankyrin repeat domain 32 [Source:Jamboree;Acc:XB-GENE-983324]

38	ENSXETG00000018908	C13ORF15	chromosome 13 open reading frame 15 [Source:Jamboree;Acc:XB-GENE-1006063]
38	ENSXETG00000013442	CCDC30	coiled-coil domain containing 30 [Source:Jamboree;Acc:XB-GENE-1004904]
38	ENSXETG00000024414	DIO3	deiodinase, iodothyronine, type 3 [Source:Jamboree;Acc:XB-GENE-487490]
38	ENSXETG00000017584	EPHA6	EPH receptor A6 [Source:Jamboree;Acc:XB-GENE-6032564]
38	ENSXETG00000023477	HDHD3	haloacid dehalogenase-like hydrolase domain containing 3 [Source:Jamboree;Acc:XB-GENE-969463]
38	ENSXETG00000009217	LRRC34	leucine rich repeat containing 34 [Source:Jamboree;Acc:XB-GENE-998066]
38	ENSXETG00000017406	N/A	N/A
38	XLOC_003850	N/A	N/A
38	XLOC_023817	N/A	N/A
38	XLOC_038417	N/A	N/A
38	ENSXETG00000001192	NCOR2	nuclear receptor corepressor 2 [Source:Jamboree;Acc:XB-GENE-5963150]
38	ENSXETG00000016864	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1 [Source:Jamboree;Acc:XB-GENE-1013796]
38	ENSXETG00000010123	SCN4B	sodium channel, voltage-gated, type IV, beta [Source:Jamboree;Acc:XB-GENE-921510]
38	ENSXETG00000006790	TCTEX1D1	Tctex1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-5960232]
38	ENSXETG00000010124	TMPRSS4	transmembrane protease, serine 4 [Source:Jamboree;Acc:XB-GENE-940762]
44	ENSXETG00000014366	FLVCR1	feline leukemia virus subgroup C cellular receptor 1 [Source:Jamboree;Acc:XB-GENE-6050557]
44	ENSXETG00000022970	FSTL3	follistatin-like 3 (secreted glycoprotein) [Source:Jamboree;Acc:XB-GENE-876426]
44	ENSXETG00000021746	GDE1	glycerophosphodiester phosphodiesterase 1 [Source:Jamboree;Acc:XB-GENE-976293]
44	ENSXETG00000026786	N/A	N/A
44	XLOC_023344	N/A	N/A
44	ENSXETG00000007198	NUDT22	nudix (nucleoside diphosphate linked moiety X)-type motif 22 [Source:Jamboree;Acc:XB-GENE-5961541]
44	ENSXETG00000021587	PDZD3	PDZ domain containing 3 [Source:Jamboree;Acc:XB-GENE-486153]
44	ENSXETG00000010224	PPP2R5C	protein phosphatase 2, regulatory subunit B', gamma [Source:Jamboree;Acc:XB-GENE-479228]
44	ENSXETG00000000682	TDH	L-threonine dehydrogenase [Source:Jamboree;Acc:XB-GENE-976744]
44	ENSXETG00000007922	THIBZ	thyroid hormone induced bZip protein [Source:Jamboree;Acc:XB-GENE-484679]
47	ENSXETG00000008670	ABHD6	abhydrolase domain containing 6 [Source:Jamboree;Acc:XB-GENE-966285]
47	ENSXETG00000005802	BCL7B	B-cell CLL/lymphoma 7B [Source:Jamboree;Acc:XB-GENE-973849]
47	ENSXETG00000019612	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2 [Source:Jamboree;Acc:XB-GENE-5810181]
47	ENSXETG00000022667	FAM83G	family with sequence similarity 83, member G [Source:Jamboree;Acc:XB-GENE-6258742]
47	ENSXETG00000021540	N/A	N/A
47	XLOC_014788	N/A	N/A
47	XLOC_017350	N/A	N/A
47	XLOC_024226	N/A	N/A
47	ENSXETG00000019001	NPC1L1	NPC1 (Niemann-Pick disease, type C1, gene)-like 1 [Source:Jamboree;Acc:XB-GENE-964011]
47	ENSXETG00000002721	SLC30A10	solute carrier family 30, member 10 [Source:Jamboree;Acc:XB-GENE-1003783]
47	ENSXETG00000022665	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10 [Source:Jamboree;Acc:XB-GENE-6035396]
48	ENSXETG00000010536	BMP1	bone morphogenetic protein 1 [Source:Jamboree;Acc:XB-GENE-479191]
48	ENSXETG00000006725	C11ORF66	chromosome 11 open reading frame 66 [Source:Jamboree;Acc:XB-GENE-961528]
48	ENSXETG00000003092	COL24A1	collagen, type XXIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-980334]
48	ENSXETG00000023110	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase) [Source:Jamboree;Acc:XB-GENE-959495]
48	ENSXETG00000025317	DGAT2	diacylglycerol O-acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-1017054]
48	ENSXETG00000013781	MERTK	c-mer proto-oncogene tyrosine kinase [Source:Jamboree;Acc:XB-GENE-493221]
48	ENSXETG00000002138	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6QPX9]
48	ENSXETG00000010328	N/A	N/A
48	ENSXETG00000026994	N/A	N/A
48	XLOC_008120	N/A	N/A
48	XLOC_030777	N/A	N/A
48	XLOC_031295	N/A	N/A
48	ENSXETG00000009136	PLD1	phospholipase D1, phosphatidylcholine-specific [Source:Jamboree;Acc:XB-GENE-948465]
48	ENSXETG00000001142	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa [Source:Jamboree;Acc:XB-GENE-5913354]
48	ENSXETG00000017538	PTK2B	PTK2B protein tyrosine kinase 2 beta [Source:Jamboree;Acc:XB-GENE-489525]
48	ENSXETG00000010462	RGS5	regulator of G-protein signaling 5 [Source:Jamboree;Acc:XB-GENE-971917]
48	ENSXETG00000019493	RXFP1	relaxin/insulin-like family peptide receptor 1 [Source:Jamboree;Acc:XB-GENE-985695]
48	ENSXETG00000006201	STARD10	StAR-related lipid transfer (START) domain containing 10 [Source:Jamboree;Acc:XB-GENE-5824671]
48	ENSXETG00000019180	TFF2	trefoil factor 2 [Source:Jamboree;Acc:XB-GENE-5824118]
48	ENSXETG00000026035	TMX4	thioredoxin-related transmembrane protein 4 [Source:Jamboree;Acc:XB-GENE-992676]
58	ENSXETG00000006200	ARHGAP24	Rho GTPase activating protein 24 [Source:Jamboree;Acc:XB-GENE-996257]
58	ENSXETG00000020201	CNTNAP1	contactin associated protein 1 [Source:Jamboree;Acc:XB-GENE-963972]
58	ENSXETG00000003603	COL12A1	collagen, type XII, alpha 1 [Source:Jamboree;Acc:XB-GENE-1012295]
58	ENSXETG00000001324	DGKE	diacylglycerol kinase, epsilon 64kDa [Source:Jamboree;Acc:XB-GENE-990685]
58	ENSXETG00000021716	GALNT13	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13) [Source:Jamboree;Acc:XB-GENE-1012445]
58	ENSXETG00000007070	HMGCLL1	3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1 [Source:Jamboree;Acc:XB-GENE-952336]
58	ENSXETG00000005423	IL13RA1	interleukin 13 receptor, alpha 1 [Source:HGNC Symbol;Acc:HGNC:5974]
58	ENSXETG00000027295	MRPL17	mitochondrial ribosomal protein L17 [Source:Jamboree;Acc:XB-GENE-991837]
58	ENSXETG00000003880	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UDP1]
58	ENSXETG00000020582	N/A	N/A
58	ENSXETG00000025673	N/A	N/A
58	XLOC_016931	N/A	N/A
58	XLOC_029893	N/A	N/A
58	XLOC_039403	N/A	N/A
58	ENSXETG00000012142	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B [Source:Jamboree;Acc:XB-GENE-982398]
58	ENSXETG00000009147	XB-GENE-5962512	hypothetical protein LOC100125055 [Source:Jamboree;Acc:XB-GENE-5962512]
58	ENSXETG00000022124	XB-GENE-947799	Putative ortholog of aDP-ribosylation factor, 4 of 4 [Source:Jamboree;Acc:XB-GENE-947799]

Pattern_13 : No change between NF stage 50 and 56. Sharp decrease between NF stage 56 and 62 (opposite of Pattern 5) – 63, 69, 29, 59

Cluster ID	Gene ID	Gene name	Description
29	ENSXETG00000026355	AKAP12	A kinase (PRKA) anchor protein 12 [Source:Jamboree;Acc:XB-GENE-6459605]
29	ENSXETG00000018034	BPHL	biphenyl hydrolase-like (serine hydrolase) [Source:Jamboree;Acc:XB-GENE-988291]
29	ENSXETG00000021546	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-991500]
29	ENSXETG00000012580	DDX5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5 [Source:Jamboree;Acc:XB-GENE-1009995]
29	ENSXETG00000012718	DPYSL3	dihydropyrimidinase-like 3 [Source:Jamboree;Acc:XB-GENE-944729]
29	ENSXETG00000003278	EFNA2	ephrin-A2 [Source:Jamboree;Acc:XB-GENE-488616]
29	ENSXETG00000007740	HMGB3	high mobility group box 3 [Source:Jamboree;Acc:XB-GENE-1002014]
29	ENSXETG00000005084	HMGCR	3-hydroxy-3-methylglutaryl-CoA reductase [Source:Jamboree;Acc:XB-GENE-5840593]
29	ENSXETG00000021277	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1 [Source:Jamboree;Acc:XB-GENE-493963]
29	ENSXETG00000009686	INSM1	insulinoma-associated 1 [Source:Jamboree;Acc:XB-GENE-993149]
29	ENSXETG00000015058	KLHL35	kelch-like 35 [Source:Jamboree;Acc:XB-GENE-1009038]
29	ENSXETG00000021653	LPPR3	lipid phosphate phosphatase-related protein type 3 [Source:Jamboree;Acc:XB-GENE-990099]

29	ENSXETG00000003240	MAPT	microtubule-associated protein tau [Source:Jamboree;Acc:XB-GENE-986948]
29	ENSXETG00000017427	MVD	mevalonate (diphospho) decarboxylase [Source:Jamboree;Acc:XB-GENE-975218]
29	ENSXETG00000010956	MYCL1	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived [Source:Jamboree;Acc:XB-GENE-6453835]
29	ENSXETG00000024090	N/A	N/A
29	XLOC_002824	N/A	N/A
29	ENSXETG00000014504	POU3F4	POU class 3 homeobox 4 [Source:Jamboree;Acc:XB-GENE-479667]
29	ENSXETG00000023880	RGMB	RGM domain family, member B [Source:Jamboree;Acc:XB-GENE-868420]
29	ENSXETG00000009198	STMN1	stathmin 1 [Source:Jamboree;Acc:XB-GENE-481615]
29	ENSXETG00000024084	TUBB	tubulin, beta [Source:Jamboree;Acc:XB-GENE-482185]
29	ENSXETG00000018032	TUBB2B	tubulin, beta 2B [Source:Jamboree;Acc:XB-GENE-491121]
29	ENSXETG00000023413	TUBB3	tubulin, beta 3 [Source:Jamboree;Acc:XB-GENE-5886292]
29	ENSXETG00000029638	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]
59	ENSXETG00000021893	ANGPTL4	angiopoietin-like 4 [Source:Jamboree;Acc:XB-GENE-481750]
59	ENSXETG00000026594	BTG1	B-cell translocation gene 1, anti-proliferative [Source:Jamboree;Acc:XB-GENE-1002920]
59	ENSXETG00000010077	CCT6A	chaperonin containing TCP1, subunit 6A (zeta 1) [Source:Jamboree;Acc:XB-GENE-987462]
59	ENSXETG00000002036	DHRS11	dehydrogenase/reductase (SDR family) member 11 [Source:Jamboree;Acc:XB-GENE-6048420]
59	ENSXETG00000023585	DPYSL4	dihydropyrimidinase-like 4 [Source:Jamboree;Acc:XB-GENE-960292]
59	ENSXETG00000006391	EEF2.1	eukaryotic translation elongation factor 2, gene 1 [Source:Jamboree;Acc:XB-GENE-969739]
59	ENSXETG00000014407	EPB41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked) [Source:Jamboree;Acc:XB-GENE-481625]
59	ENSXETG00000000717	HOXA3	homeobox A3 [Source:Jamboree;Acc:XB-GENE-482267]
59	ENSXETG00000014721	IGFBPL1	insulin-like growth factor binding protein-like 1 [Source:Jamboree;Acc:XB-GENE-484137]
59	ENSXETG00000017975	KDM3A	lysine (K)-specific demethylase 3A [Source:Jamboree;Acc:XB-GENE-1012801]
59	ENSXETG00000005246	KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1 [Source:Jamboree;Acc:XB-GENE-479347]
59	ENSXETG00000011499	MYT1	myelin transcription factor 1 [Source:Jamboree;Acc:XB-GENE-1009975]
59	XLOC_015091	N/A	N/A
59	ENSXETG00000005841	NHLH1	nescient helix loop helix 1 [Source:Jamboree;Acc:XB-GENE-989790]
59	ENSXETG00000012908	NKAIN1	Na+/K+ transporting ATPase interacting 1 [Source:Jamboree;Acc:XB-GENE-946558]
59	ENSXETG00000022610	PARP1	poly (ADP-ribose) polymerase 1 [Source:Jamboree;Acc:XB-GENE-974935]
59	ENSXETG00000013412	POLDIP3	polymerase (DNA-directed), delta interacting protein 3 [Source:Jamboree;Acc:XB-GENE-952215]
59	ENSXETG00000011510	POU3F1	POU class 3 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853354]
59	ENSXETG00000014058	SHOX2	short stature homeobox 2 [Source:Jamboree;Acc:XB-GENE-480993]
59	ENSXETG00000009355	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 [Source:Jamboree;Acc:XB-GENE-483983]
59	ENSXETG00000013214	VASH1	vasohibin 1 [Source:Jamboree;Acc:XB-GENE-956494]
59	ENSXETG00000027815	VCAN	versican [Source:Jamboree;Acc:XB-GENE-922302]
59	ENSXETG00000016178	XB-GENE-982799	conserved hypothetical protein, 1 of 1 [Source:Jamboree;Acc:XB-GENE-982799]
59	ENSXETG00000009649	XKRX	XK, Kell blood group complex subunit-related, X-linked [Source:Jamboree;Acc:XB-GENE-957186]
59	ENSXETG00000029113	XTR-MIR-9B	xtr-mir-9b [Source:miRBase;Acc:MI0004795]
59	ENSXETG00000004479	ZBTB33	zinc finger and BTB domain containing 33 [Source:Jamboree;Acc:XB-GENE-486567]
59	ENSXETG00000017151	ZFHX4	zinc finger homeobox 4 [Source:Jamboree;Acc:XB-GENE-957673]
63	ENSXETG00000008211	ANKRD10	ankyrin repeat domain 10 [Source:Jamboree;Acc:XB-GENE-999908]
63	ENSXETG00000012727	C5ORF41	chromosome 5 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-988760]
63	ENSXETG00000009646	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2 [Source:Jamboree;Acc:XB-GENE-951111]
63	ENSXETG00000020593	EIF3B	eukaryotic translation initiation factor 3, subunit B [Source:Jamboree;Acc:XB-GENE-963850]
63	ENSXETG00000002941	EIF3C	eukaryotic translation initiation factor 3, subunit C [Source:Jamboree;Acc:XB-GENE-5720067]
63	ENSXETG00000003602	EIF3E	eukaryotic translation initiation factor 3, subunit E [Source:Jamboree;Acc:XB-GENE-946246]
63	ENSXETG00000007407	EIF3H	eukaryotic translation initiation factor 3, subunit H [Source:Jamboree;Acc:XB-GENE-958115]
63	ENSXETG00000005247	EIF3I	eukaryotic translation initiation factor 3, subunit I [Source:Jamboree;Acc:XB-GENE-974377]
63	ENSXETG00000001829	EIF4B	eukaryotic translation initiation factor 4B [Source:Jamboree;Acc:XB-GENE-988676]
63	ENSXETG00000002161	GNL2	guanine nucleotide binding protein-like 2 (nucleolar) [Source:Jamboree;Acc:XB-GENE-946916]
63	ENSXETG00000010661	HDAC7	histone deacetylase 7 [Source:Jamboree;Acc:XB-GENE-488662]
63	ENSXETG00000021908	KAT7	K(lysine) acetyltransferase 7 [Source:Jamboree;Acc:XB-GENE-488776]
63	ENSXETG00000007973	KDM5B	lysine (K)-specific demethylase 5B [Source:Jamboree;Acc:XB-GENE-856240]
63	ENSXETG00000001833	KIAA0922	KIAA0922 [Source:Jamboree;Acc:XB-GENE-983404]
63	ENSXETG00000027258	N/A	N/A
63	XLOC_003040	N/A	N/A
63	XLOC_008010	N/A	N/A
63	XLOC_014562	N/A	N/A
63	XLOC_017868	N/A	N/A
63	XLOC_025532	N/A	N/A
63	XLOC_040433	N/A	N/A
63	ENSXETG00000002389	NAT8L	N-acetyltransferase 8-like (GCN5-related, putative) [Source:Jamboree;Acc:XB-GENE-5817008]
63	ENSXETG00000000451	NLN	neurolysin (metallopeptidase M3 family) [Source:Jamboree;Acc:XB-GENE-960645]
63	ENSXETG00000006635	PABPC1	poly(A) binding protein, cytoplasmic 1 [Source:Jamboree;Acc:XB-GENE-963457]
63	ENSXETG00000002388	POLN	polymerase (DNA directed) nu [Source:Jamboree;Acc:XB-GENE-988834]
63	ENSXETG00000009351	QARS	glutaminyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5802152]
63	ENSXETG00000003731	RBP4	retinol binding protein 4, plasma [Source:Jamboree;Acc:XB-GENE-5841608]
63	ENSXETG00000001921	SETD1A	SET domain containing 1A [Source:Jamboree;Acc:XB-GENE-6046043]
63	ENSXETG00000022923	SF3A3	splicing factor 3a, subunit 3, 60kDa [Source:Jamboree;Acc:XB-GENE-947674]
63	ENSXETG00000009874	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1 [Source:Jamboree;Acc:XB-GENE-963435]
63	ENSXETG00000027090	XB-GENE-5768884	MGC86492 protein [Source:Jamboree;Acc:XB-GENE-5768884]
63	ENSXETG00000002224	XPO1	exportin 1 (CRM1 homolog) [Source:Jamboree;Acc:XB-GENE-993240]
63	ENSXETG00000029114	XTR-MIR-135-2	xtr-mir-135-2 [Source:miRBase;Acc:MI0004933]
63	ENSXETG00000021160	ZNF395	zinc finger protein 395 [Source:Jamboree;Acc:XB-GENE-1218956]
63	ENSXETG00000010417	ZNF704	zinc finger protein 704 [Source:Jamboree;Acc:XB-GENE-988666]
69	ENSXETG00000018036	BNC2	basonuclin 2 [Source:Jamboree;Acc:XB-GENE-953157]
69	ENSXETG00000003005	CBX2	chromobox homolog 2 [Source:Jamboree;Acc:XB-GENE-970247]
69	ENSXETG00000020262	CCT8	chaperonin containing TCP1, subunit 8 (theta) [Source:Jamboree;Acc:XB-GENE-974316]
69	ENSXETG00000008405	CTNNA1	catenin (cadherin-associated protein), alpha 1, 102kDa [Source:Jamboree;Acc:XB-GENE-479599]
69	ENSXETG00000014890	CXCR4	chemokine (C-X-C motif) receptor 4 [Source:Jamboree;Acc:XB-GENE-489917]
69	ENSXETG00000011309	EBF3	early B-cell factor 3 [Source:Jamboree;Acc:XB-GENE-962543]
69	ENSXETG00000012582	ENOPH1	enolase-phosphatase 1 [Source:Jamboree;Acc:XB-GENE-954014]
69	ENSXETG00000023297	FABP7	fatty acid binding protein 7, brain [Source:Jamboree;Acc:XB-GENE-967704]
69	ENSXETG00000025398	GATA3	GATA binding protein 3 [Source:Jamboree;Acc:XB-GENE-485930]
69	ENSXETG00000014248	GH1	growth hormone 1 [Source:Jamboree;Acc:XB-GENE-487882]
69	ENSXETG00000017150	H2AFY2	H2A histone family, member Y2 [Source:Jamboree;Acc:XB-GENE-1015564]
69	ENSXETG00000001806	HNRNPA3	heterogeneous nuclear ribonucleoprotein A3 [Source:Jamboree;Acc:XB-GENE-5878765]
69	ENSXETG00000027622	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial [Source:Jamboree;Acc:XB-GENE-976315]

69	ENSXETG00000002816	IRX5	iroquois homeobox 5 [Source:Jamboree;Acc:XB-GENE-484376]
69	ENSXETG00000014034	LIX1L	Lix1 homolog-like [Source:Jamboree;Acc:XB-GENE-6040737]
69	ENSXETG00000005147	LRRN1	leucine rich repeat neuronal 1 [Source:Jamboree;Acc:XB-GENE-492890]
69	XLOC_018227	N/A	N/A
69	XLOC_032126	N/A	N/A
69	XLOC_037516	N/A	N/A
69	XLOC_041725	N/A	N/A
69	ENSXETG00000009517	NCL	nucleolin [Source:Jamboree;Acc:XB-GENE-989986]
69	ENSXETG00000025363	NFYC	nuclear transcription factor Y, gamma [Source:Jamboree;Acc:XB-GENE-1218938]
69	ENSXETG00000017814	POU4F1	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853139]
69	ENSXETG00000003501	PRDX1	peroxiredoxin 1 [Source:Jamboree;Acc:XB-GENE-481165]
69	ENSXETG00000004763	PRDX2	peroxiredoxin 2 [Source:Jamboree;Acc:XB-GENE-945852]
69	ENSXETG00000000072	RBM15B	RNA binding motif protein 15B [Source:Jamboree;Acc:XB-GENE-961063]
69	ENSXETG00000018790	SH3PXD2B	SH3 and PX domains 2B [Source:Jamboree;Acc:XB-GENE-1009043]
69	ENSXETG00000012098	SLC4A5	solute carrier family 4, sodium bicarbonate cotransporter, member 5 [Source:Jamboree;Acc:XB-GENE-854491]
69	ENSXETG00000015232	SLCO5A1	solute carrier organic anion transporter family, member 5A1 [Source:Jamboree;Acc:XB-GENE-480413]
69	ENSXETG00000014492	SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 [Source:Jamboree;Acc:XB-GENE-5906750]
69	ENSXETG00000013357	SMARCD1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1 [Source:Jamboree;Acc:XB-GENE-491104]
69	ENSXETG00000012660	SP1	Sp1 transcription factor [Source:Jamboree;Acc:XB-GENE-853336]
69	ENSXETG00000027218	SUB1	SUB1 homolog [Source:Jamboree;Acc:XB-GENE-1015843]
69	ENSXETG00000001074	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha) [Source:Jamboree;Acc:XB-GENE-481201]
69	ENSXETG00000021674	TFAP2B	transcription factor AP-2 beta (activating enhancer binding protein 2 beta) [Source:Jamboree;Acc:XB-GENE-485026]
69	ENSXETG00000019245	TRIM28	tripartite motif containing 28 [Source:Jamboree;Acc:XB-GENE-1005536]
69	ENSXETG00000016266	TRIM69.1	tripartite motif-containing 69, gene 1 [Source:Jamboree;Acc:XB-GENE-6462279]
69	ENSXETG00000007975	TUBA3C	tubulin, alpha 3c [Source:Jamboree;Acc:XB-GENE-5788469]
69	ENSXETG00000006008	XB-GENE-5727893	novel protein similar to prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-5727893]
69	ENSXETG00000008601	ZNF238.2	zinc finger protein 238, gene 2 [Source:Jamboree;Acc:XB-GENE-1219066]
69	ENSXETG00000006087	ZNF326	zinc finger protein 326 [Source:Jamboree;Acc:XB-GENE-483978]

Supplemental Table 4.6. Complete List of Differentially Expressed Genes in *X. tropicalis* tadpole brain during metamorphosis

Complete List of Upregulated Genes Between NF stage 50 and 56

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000001210	AACS	acetoacetyl-CoA synthetase [Source:Jamboree;Acc:XB-GENE-490085]	1.4326	0.0001
ENSXETG00000008955	ACACA	acetyl-CoA carboxylase alpha [Source:Jamboree;Acc:XB-GENE-1013637]	1.2759	0.0472
ENSXETG00000000457	ADAMTS6	ADAM metallopeptidase with thrombospondin type 1 motif, 6 [Source:Jamboree;Acc:XB-GENE-951750]	1.3741	0.0285
ENSXETG00000019630	AFF2	AF4/FMR2 family, member 2 [Source:Jamboree;Acc:XB-GENE-952102]	1.3909	0.0406
ENSXETG00000027165	AGBL5	ATP/GTP binding protein-like 5 [Source:Jamboree;Acc:XB-GENE-958770]	1.3479	0.0186
ENSXETG00000014113	AKAP6	A kinase (PRKA) anchor protein 6 [Source:Jamboree;Acc:XB-GENE-982363]	1.3102	0.0231
ENSXETG00000006385	AMOTL1	angiomotin like 1 [Source:Jamboree;Acc:XB-GENE-993664]	1.3678	0.0372
ENSXETG00000019317	APOE	apolipoprotein E [Source:Jamboree;Acc:XB-GENE-853213]	2.1608	0.0000
ENSXETG00000012139	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma [Source:Jamboree;Acc:XB-GENE-5955954]	1.2859	0.0181
ENSXETG00000015673	ARL11	ADP-ribosylation factor-like 11 [Source:Jamboree;Acc:XB-GENE-1012125]	1.9270	0.0456
ENSXETG00000023378	ARL15	ADP-ribosylation factor-like 15 [Source:Jamboree;Acc:XB-GENE-958837]	1.3604	0.0014
ENSXETG00000025139	ARL6IP5	ADP-ribosylation-like factor 6 interacting protein 5 [Source:Jamboree;Acc:XB-GENE-482901]	1.2637	0.0320
ENSXETG00000006316	ARVCF	armadillo repeat gene deleted in velocardiofacial syndrome [Source:Jamboree;Acc:XB-GENE-489677]	1.2326	0.0496
ENSXETG00000023922	ATN1	atrophin 1 [Source:Jamboree;Acc:XB-GENE-6458762]	1.5262	0.0497
ENSXETG00000012313	ATP9A	ATPase, class II, type 9A [Source:Jamboree;Acc:XB-GENE-942215]	1.2940	0.0104
ENSXETG00000017979	AVP	arginine vasopressin [Source:Jamboree;Acc:XB-GENE-478869]	1.6513	0.0485
ENSXETG00000021585	BAIAP3	BAI1-associated protein 3 [Source:Jamboree;Acc:XB-GENE-956301]	1.2523	0.0465
ENSXETG00000010069	BCL9L	B-cell CLL/lymphoma 9-like [Source:Jamboree;Acc:XB-GENE-921499]	1.2979	0.0173
ENSXETG00000010760	BTBD9	BTB (POZ) domain containing 9 [Source:Jamboree;Acc:XB-GENE-947505]	1.3368	0.0403
ENSXETG00000021199	BTRC	beta-transducin repeat containing [Source:Jamboree;Acc:XB-GENE-486122]	1.2714	0.0237
ENSXETG00000010530	C1QB	complement component 1, q subcomponent, B chain [Source:Jamboree;Acc:XB-GENE-6251287]	1.4725	0.0029
ENSXETG00000006571	C2CD4C	C2 calcium-dependent domain containing 4C [Source:Jamboree;Acc:XB-GENE-5998006]	1.3623	0.0056
ENSXETG00000014607	CALB1	calbindin 1, 28kDa [Source:Jamboree;Acc:XB-GENE-951983]	1.3250	0.0212
ENSXETG00000023672	CAMK1	calcium/calmodulin-dependent protein kinase I [Source:Jamboree;Acc:XB-GENE-1017139]	1.3525	0.0045
ENSXETG00000017283	CAMK2N2	calcium/calmodulin-dependent protein kinase II inhibitor 2 [Source:Jamboree;Acc:XB-GENE-960926]	1.2825	0.0212
ENSXETG00000023299	CAPN1	calpain 1, (mu/I) large subunit [Source:Jamboree;Acc:XB-GENE-990196]	1.3928	0.0028
ENSXETG00000009501	CAPNS1	calpain, small subunit 1 [Source:Jamboree;Acc:XB-GENE-6039680]	1.3709	0.0098
ENSXETG00000012950	CBLN1	cerebellin 1 precursor [Source:Jamboree;Acc:XB-GENE-978378]	1.3118	0.0271
ENSXETG00000014950	CCDC136	coiled-coil domain containing 136 [Source:Jamboree;Acc:XB-GENE-5992991]	1.3867	0.0003
ENSXETG00000011877	CD74	CD74 molecule, major histocompatibility complex, class II invariant chain [Source:Jamboree;Acc:XB-GENE-922847]	2.3042	0.0002
ENSXETG00000022648	CDH24	cadherin 24, type 2 [Source:Jamboree;Acc:XB-GENE-995690]	1.3332	0.0025
ENSXETG00000012405	CDK15	cyclin-dependent kinase 15 [Source:Jamboree;Acc:XB-GENE-961241]	1.2966	0.0234
ENSXETG00000000335	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase) [Source:Jamboree;Acc:XB-GENE-5959638]	1.4772	0.0007
ENSXETG00000014344	CELF5	CUGBP, Elav-like family member 5 [Source:Jamboree;Acc:XB-GENE-494002]	1.2767	0.0181
ENSXETG00000024528	CFAP70	cilia and flagella associated protein 70 [Source:HGNC Symbol;Acc:HGNC:30726]	1.5564	0.0023
ENSXETG00000012991	CHD3	chromodomain helicase DNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-1008908]	1.2328	0.0477
ENSXETG00000002904	CHD5	chromodomain helicase DNA binding protein 5 [Source:Jamboree;Acc:XB-GENE-955461]	1.2488	0.0211
ENSXETG00000019690	CIDEA	cell death-inducing DFFA-like effector a [Source:Jamboree;Acc:XB-GENE-953574]	1.4415	0.0011
ENSXETG00000008423	CNIH2	cornichon homolog 2 [Source:Jamboree;Acc:XB-GENE-952875]	1.2937	0.0303
ENSXETG00000013497	CNPY1	canopy 1 homolog [Source:Jamboree;Acc:XB-GENE-981809]	1.3516	0.0119
ENSXETG00000015325	CNTN2	contactin 2 (axonal) [Source:Jamboree;Acc:XB-GENE-6070188]	1.2780	0.0292
ENSXETG00000024946	COMT.2	catechol-O-methyltransferase [Source:Jamboree;Acc:XB-GENE-5865481]	1.2371	0.0406
ENSXETG00000000135	CRIP2	cysteine-rich protein 2 [Source:Jamboree;Acc:XB-GENE-953187]	1.4248	0.0034
ENSXETG00000016698	CRYM	crystallin, mu [Source:Jamboree;Acc:XB-GENE-970817]	2.2539	0.0000
ENSXETG00000009634	CSRNP2	cysteine-serine-rich nuclear protein 2 [Source:Jamboree;Acc:XB-GENE-983697]	1.3607	0.0045
ENSXETG00000000244	DBC1	deleted in bladder cancer 1 [Source:Jamboree;Acc:XB-GENE-1011965]	1.2513	0.0476
ENSXETG00000019847	DBNDD1	dysbindin (dystrobrevin binding protein 1) domain containing 1 [Source:Jamboree;Acc:XB-GENE-983679]	1.6095	0.0000
ENSXETG00000001810	DCHS2	dachsous 2 [Source:Jamboree;Acc:XB-GENE-6048959]	1.4514	0.0042
ENSXETG00000003095	DDAH1	dimethylarginine dimethylaminohydrolase 1 [Source:Jamboree;Acc:XB-GENE-980345]	1.2820	0.0212
ENSXETG00000009200	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 [Source:Jamboree;Acc:XB-GENE-980097]	1.9680	0.0472
ENSXETG00000014560	DGKH	diacylglycerol kinase, eta [Source:Jamboree;Acc:XB-GENE-955943]	1.2900	0.0244
ENSXETG00000000810	DIRAS2	DIRAS family, GTP-binding RAS-like 2 [Source:Jamboree;Acc:XB-GENE-485682]	1.4869	0.0312
ENSXETG00000021184	DNAJC27	DnaJ (Hsp40) homolog, subfamily C, member 27 [Source:Jamboree;Acc:XB-GENE-490420]	1.3046	0.0223
ENSXETG00000019922	DOCK2	dedicator of cytokinesis 2 [Source:Jamboree;Acc:XB-GENE-990617]	1.3952	0.0245
ENSXETG00000014119	DOPEY2	dopey family member 2 [Source:Jamboree;Acc:XB-GENE-1217366]	1.2965	0.0245
ENSXETG00000006574	DPP6	dipeptidyl-peptidase 6 [Source:Jamboree;Acc:XB-GENE-999312]	1.2888	0.0167
ENSXETG00000001227	DPYSL5	dihydropyrimidinase-like 5 [Source:Jamboree;Acc:XB-GENE-6073088]	1.3423	0.0022
ENSXETG00000000790	DTD1	D-tyrosyl-tRNA deacylase 1 homolog [Source:Jamboree;Acc:XB-GENE-958228]	1.4366	0.0163
ENSXETG00000013496	EN2	engrailed homeobox 2 [Source:Jamboree;Acc:XB-GENE-853108]	1.4766	0.0001
ENSXETG00000007078	ENDOD1	endonuclease domain containing 1 [Source:Jamboree;Acc:XB-GENE-877303]	1.3443	0.0116
ENSXETG00000009409	ERC1	ELKS/RAB6-interacting/CAST family member 1 [Source:Jamboree;Acc:XB-GENE-956039]	1.2749	0.0244
ENSXETG00000027505	FAM101A	family with sequence similarity 101, member A [Source:Jamboree;Acc:XB-GENE-986501]	1.7455	0.0305
ENSXETG00000016766	FAM110C	family with sequence similarity 110, member C [Source:Jamboree;Acc:XB-GENE-7007322]	1.4045	0.0020
ENSXETG00000005871	FAM149A	family with sequence similarity 149, member A [Source:Jamboree;Acc:XB-GENE-6050471]	1.3726	0.0028
ENSXETG00000011615	FAM171A2	family with sequence similarity 171, member A2 [Source:Jamboree;Acc:XB-GENE-5900474]	1.3206	0.0293
ENSXETG00000025405	FAM196B	family with sequence similarity 196, member B [Source:HGNC Symbol;Acc:HGNC:37271]	1.3992	0.0324
ENSXETG00000008887	FGGY	FGGY carbohydrate kinase domain containing [Source:Jamboree;Acc:XB-GENE-5811009]	1.7804	0.0001
ENSXETG00000010338	FZD9	frizzled family receptor 9 [Source:Jamboree;Acc:XB-GENE-478317]	1.4479	0.0301
ENSXETG00000026177	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3 [Source:Jamboree;Acc:XB-GENE-992774]	1.4490	0.0071
ENSXETG00000026343	GAP43	growth associated protein 43 [Source:Jamboree;Acc:XB-GENE-5899285]	1.2843	0.0433
ENSXETG00000003290	GBX2.1	gastrulation brain homeobox 2, gene 1 [Source:Jamboree;Acc:XB-GENE-855771]	1.3820	0.0140
ENSXETG00000010875	GCOM1	GRINL1A complex locus [Source:Jamboree;Acc:XB-GENE-5886632]	1.5461	0.0043
ENSXETG00000012224	GMFB	glia maturation factor, beta [Source:Jamboree;Acc:XB-GENE-6077246]	1.3755	0.0105
ENSXETG00000024015	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-1011134]	1.4089	0.0028
ENSXETG00000007393	GPNMB	glycoprotein (transmembrane) nmb [Source:Jamboree;Acc:XB-GENE-983263]	2.5670	0.0002
ENSXETG00000022118	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like) [Source:Jamboree;Acc:XB-GENE-962315]	1.4835	0.0013
ENSXETG00000005426	GRM3	glutamate receptor, metabotropic 3 [Source:Jamboree;Acc:XB-GENE-977445]	1.3764	0.0034
ENSXETG00000014780	GTF2F2	general transcription factor IIF, polypeptide 2, 30kDa [Source:RefSeq peptide;Acc:NP_988987]	1.4786	0.0000
ENSXETG00000016179	H2AFJ	H2A histone family, member J [Source:Jamboree;Acc:XB-GENE-5838625]	1.4249	0.0014
ENSXETG00000017651	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3 [Source:Jamboree;Acc:XB-GENE-6071710]	1.2364	0.0344
ENSXETG00000016086	HDGFRP3	hepatoma-derived growth factor, related protein 3 [Source:Jamboree;Acc:XB-GENE-947032]	1.2718	0.0303
ENSXETG00000019639	HK2	hexokinase 2 [Source:Jamboree;Acc:XB-GENE-5817381]	2.2713	0.0192
ENSXETG00000016587	HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble) [Source:Jamboree;Acc:XB-GENE-942074]	1.3549	0.0003
ENSXETG00000014342	HSD11B1L	hydroxysteroid (11-beta) dehydrogenase 1-like [Source:Jamboree;Acc:XB-GENE-5851849]	1.2694	0.0215
ENSXETG00000013176	IFIH1	interferon induced with helicase C domain 1 [Source:Jamboree;Acc:XB-GENE-1011111]	1.6181	0.0002
ENSXETG00000021818	IFIT5	interferon-induced protein with tetratricopeptide repeats 5 [Source:Jamboree;Acc:XB-GENE-5842099]	1.7353	0.0212
ENSXETG00000014020	IGF2	insulin-like growth factor 2 (somatomedin A) [Source:Jamboree;Acc:XB-GENE-482586]	1.6755	0.0128
ENSXETG00000003127	IKZF2	IKAROS family zinc finger 2 (Helios) [Source:Jamboree;Acc:XB-GENE-1013632]	1.5788	0.0173
ENSXETG00000013492	INSIG1	insulin induced gene 1 [Source:Jamboree;Acc:XB-GENE-487039]	1.2993	0.0059
ENSXETG00000003339	IQGAP2	IQ motif containing GTPase activating protein 2 [Source:Jamboree;Acc:XB-GENE-5752023]	1.2873	0.0088
ENSXETG00000005808	ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide) [Source:Jamboree;Acc:XB-GENE-1013152]	1.3505	0.0248
ENSXETG00000021386	KBTBD3	kelch repeat and BTB (POZ) domain containing 3 [Source:Jamboree;Acc:XB-GENE-6044137]	1.3346	0.0479
ENSXETG00000017662	KCTD7	potassium channel tetramerisation domain containing 7 [Source:Jamboree;Acc:XB-GENE-987503]	1.2980	0.0356
ENSXETG00000003062	KIAA0930	KIAA0930 [Source:Jamboree;Acc:XB-GENE-979872]	1.3534	0.0040
ENSXETG00000012981	KIAA1199	KIAA1199 [Source:Jamboree;Acc:XB-GENE-6048265]	1.3281	0.0414
ENSXETG00000012830	KIF19	kinesin family member 19 [Source:Jamboree;Acc:XB-GENE-5954822]	1.2555	0.0489
ENSXETG00000019051	KLF9	Kruppel-like factor 9 [Source:Jamboree;Acc:XB-GENE-483889]	3.8995	0.0000
ENSXETG00000014954	LCP1	lymphocyte cytosolic protein 1 (L-plastin) [Source:Jamboree;Acc:XB-GENE-962206]	1.8552	0.0035
ENSXETG00000020339	LDB2	LIM domain binding 2 [Source:Jamboree;Acc:XB-GENE-490279]	1.4049	0.0003

ENSXETG00000009635	LETMD1	LETM1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-962658]	1.3141	0.0057
ENSXETG00000015995	LGALS1	lectin, galactoside-binding, soluble, 1 [Source:Jamboree;Acc:XB-GENE-971978]	2.5295	0.0303
ENSXETG00000019079	LGALS9B	lectin, galactoside-binding, soluble, 9B [Source:Jamboree;Acc:XB-GENE-5926948]	1.4752	0.0189
ENSXETG00000009957	LHX9	LIM homeobox 9 [Source:Jamboree;Acc:XB-GENE-492044]	1.2577	0.0244
ENSXETG00000024039	LMTK2	lemur tyrosine kinase 2 [Source:Jamboree;Acc:XB-GENE-980913]	1.2941	0.0399
ENSXETG00000007925	LPPR2	lipid phosphate phosphatase-related protein type 2 [Source:Jamboree;Acc:XB-GENE-6031106]	1.2700	0.0215
ENSXETG00000011477	LRCH1	leucine-rich repeats and calponin homology (CH) domain containing 1 [Source:Jamboree;Acc:XB-GENE-6033840]	1.2827	0.0185
ENSXETG00000006088	LRRC8D	leucine rich repeat containing 8 family, member D [Source:Jamboree;Acc:XB-GENE-969887]	1.3899	0.0262
ENSXETG00000003943	LRSAM1	leucine rich repeat and sterile alpha motif containing 1 [Source:Jamboree;Acc:XB-GENE-994894]	1.3611	0.0171
ENSXETG00000000050	MAPKBP1	mitogen-activated protein kinase binding protein 1 [Source:Jamboree;Acc:XB-GENE-485536]	1.4150	0.0008
ENSXETG00000003240	MAPT	microtubule-associated protein tau [Source:Jamboree;Acc:XB-GENE-986948]	1.2692	0.0301
ENSXETG00000000466	MARCH4	membrane-associated ring finger (C3HC4) 4 [Source:Jamboree;Acc:XB-GENE-996237]	1.3810	0.0009
ENSXETG00000005008	MEGF6	multiple EGF-like-domains 6 [Source:HGNC Symbol;Acc:HGNC:3232]	1.3115	0.0433
ENSXETG00000021752	MET	met proto-oncogene (hepatocyte growth factor receptor) [Source:Jamboree;Acc:XB-GENE-481272]	1.4043	0.0097
ENSXETG00000017772	MFGE8	milk fat globule-EGF factor 8 protein [Source:Jamboree;Acc:XB-GENE-853465]	1.3167	0.0088
ENSXETG00000004554	MKX	mohawk homeobox [Source:Jamboree;Acc:XB-GENE-853539]	1.5448	0.0406
ENSXETG00000015500	MLLT3	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 3 [Source:Jamboree;Acc:XB-GENE-6257679]	1.3098	0.0305
ENSXETG00000013710	MMP16	matrix metallopeptidase 16 (membrane-inserted) [Source:Jamboree;Acc:XB-GENE-1007177]	1.3100	0.0272
ENSXETG00000002702	MMP24	matrix metallopeptidase 24 (membrane-inserted) [Source:Jamboree;Acc:XB-GENE-1009940]	1.3219	0.0027
ENSXETG00000000700	MSRA.1	methionine sulfoxide reductase A, gene 1 [Source:Jamboree;Acc:XB-GENE-1011250]	1.5383	0.0000
ENSXETG00000022149	MTG1	mitochondrial GTPase 1 homolog [Source:Jamboree;Acc:XB-GENE-957647]	1.4540	0.0001
ENSXETG00000010956	MYCL1	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived [Source:Jamboree;Acc:XB-GENE-6453835]	1.4029	0.0066
ENSXETG00000027983	MYT1L	myelin transcription factor 1-like [Source:Jamboree;Acc:XB-GENE-988137]	1.3859	0.0061
ENSXETG00000000128	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J7I7]	4.9287	0.0238
ENSXETG00000000573	N/A	N/A	1.4277	0.0278
ENSXETG00000002639	N/A	uncharacterized protein LOC100170623 [Source:RefSeq peptide;Acc:NP_001123856]	1.3400	0.0321
ENSXETG00000004146	N/A	N/A	1.6732	0.0000
ENSXETG00000004274	N/A	N/A	3.6827	0.0173
ENSXETG00000006079	N/A	N/A	1.9962	0.0004
ENSXETG00000008344	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U3F9]	1.7431	0.0017
ENSXETG00000010881	N/A	N/A	1.5882	0.0176
ENSXETG00000011260	N/A	N/A	2.0096	0.0001
ENSXETG00000013084	N/A	N/A	1.6485	0.0216
ENSXETG00000014118	N/A	N/A	1.2933	0.0269
ENSXETG00000014412	N/A	N/A	1.9991	0.0000
ENSXETG00000014564	N/A	N/A	1.7496	0.0341
ENSXETG00000015245	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WFA5]	1.7540	0.0044
ENSXETG00000015506	N/A	N/A	1.2762	0.0244
ENSXETG00000019036	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UK24]	2.1956	0.0373
ENSXETG00000020127	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6TH04]	1.5057	0.0116
ENSXETG00000021013	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SJB2]	3.7592	0.0016
ENSXETG00000021233	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T8E4]	1.6410	0.0000
ENSXETG00000021340	N/A	N/A	1.2672	0.0269
ENSXETG00000024090	N/A	N/A	1.3207	0.0090
ENSXETG00000024137	N/A	N/A	1.3247	0.0088
ENSXETG00000024433	N/A	N/A	1.4652	0.0000
ENSXETG00000025491	N/A	N/A	1.4089	0.0262
ENSXETG00000027130	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N3U8]	1.8412	0.0100
ENSXETG00000027984	N/A	N/A	1.3831	0.0136
XLOC_001041	N/A	N/A	1.3038	0.0317
XLOC_001106	N/A	N/A	1.8205	0.0387
XLOC_001133	N/A	N/A	2.9272	0.0000
XLOC_002715	N/A	N/A	1.3390	0.0014
XLOC_003106	N/A	N/A	1.3056	0.0123
XLOC_008504	N/A	N/A	1.9365	0.0000
XLOC_009068	N/A	N/A	2.8928	0.0000
XLOC_011529	N/A	N/A	1.2957	0.0406
XLOC_011980	N/A	N/A	2.1390	0.0057
XLOC_012305	N/A	N/A	1.3819	0.0069
XLOC_012817	N/A	N/A	1.6793	0.0000
XLOC_014131	N/A	N/A	1.5966	0.0010
XLOC_014132	N/A	N/A	1.5135	0.0000
XLOC_015384	N/A	N/A	1.4528	0.0003
XLOC_015509	N/A	N/A	1.3405	0.0079
XLOC_016470	N/A	N/A	1.3520	0.0023
XLOC_016560	N/A	N/A	1.2585	0.0322
XLOC_017657	N/A	N/A	1.2920	0.0131
XLOC_017852	N/A	N/A	1.6876	0.0125
XLOC_017871	N/A	N/A	1.2734	0.0269
XLOC_018400	N/A	N/A	1.4578	0.0011
XLOC_019347	N/A	N/A	1.3752	0.0347
XLOC_020050	N/A	N/A	2.4507	0.0070
XLOC_020119	N/A	N/A	1.6033	0.0023
XLOC_021661	N/A	N/A	2.2065	0.0080
XLOC_021716	N/A	N/A	2.0521	0.0000
XLOC_022907	N/A	N/A	1.5105	0.0293
XLOC_023075	N/A	N/A	1.2956	0.0393
XLOC_023748	N/A	N/A	1.2927	0.0349
XLOC_023753	N/A	N/A	1.7890	0.0098
XLOC_023950	N/A	N/A	1.2552	0.0472
XLOC_024375	N/A	N/A	1.2350	0.0302
XLOC_025766	N/A	N/A	1.7187	0.0015
XLOC_025954	N/A	N/A	1.4477	0.0001
XLOC_026956	N/A	N/A	1.9293	0.0000
XLOC_030687	N/A	N/A	1.2827	0.0301
XLOC_031979	N/A	N/A	2.5775	0.0012
XLOC_032465	N/A	N/A	1.5526	0.0000
XLOC_033121	N/A	N/A	1.8713	0.0474
XLOC_033527	N/A	N/A	1.2595	0.0425
XLOC_033609	N/A	N/A	1.4057	0.0030
XLOC_033665	N/A	N/A	1.2969	0.0097
XLOC_034490	N/A	N/A	1.6419	0.0172
XLOC_035163	N/A	N/A	1.2858	0.0478
XLOC_035702	N/A	N/A	1.5325	0.0042
XLOC_036336	N/A	N/A	1.4669	0.0036
XLOC_038473	N/A	N/A	1.3085	0.0155
XLOC_039985	N/A	N/A	9.5602	0.0001
XLOC_040886	N/A	N/A	2.7132	0.0353
XLOC_041064	N/A	N/A	1.2940	0.0101
XLOC_041125	N/A	N/A	1.4176	0.0005
XLOC_041630	N/A	N/A	1.8255	0.0022
XLOC_041741	N/A	N/A	1.4756	0.0002
XLOC_042154	N/A	N/A	2.8830	0.0450
XLOC_042750	N/A	N/A	2.2687	0.0000
XLOC_043516	N/A	N/A	1.4080	0.0081

XLOC_043523	N/A	N/A	1.4080	0.0081
XLOC_043725	N/A	N/A	2.9623	0.0011
XLOC_043897	N/A	N/A	2.0472	0.0000
XLOC_044678	N/A	N/A	1.2284	0.0498
XLOC_044698	N/A	N/A	1.3184	0.0105
ENSXETG00000005594	NACC1	nucleus accumbens associated 1, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-979467]	1.7196	0.0000
ENSXETG00000006558	NANS	N-acetylneuraminic acid synthase [Source:Jamboree;Acc:XB-GENE-977732]	1.2474	0.0433
ENSXETG00000014323	NAV3	neuron navigator 3 [Source:HGNC Symbol;Acc:HGNC:15998]	1.2626	0.0333
ENSXETG00000005319	NCCRP1	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish) [Source:Jamboree;Acc:XB-GENE-1013762]	1.3017	0.0112
ENSXETG00000008871	NFIA	nuclear factor I/A [Source:Jamboree;Acc:XB-GENE-1010393]	1.3325	0.0071
ENSXETG00000008149	NFIC	nuclear factor I/C (CCAAT-binding transcription factor) [Source:Jamboree;Acc:XB-GENE-484367]	1.6487	0.0000
ENSXETG00000016209	NOSTRIN	nitric oxide synthase trafficker [Source:Jamboree;Acc:XB-GENE-988808]	1.4597	0.0297
ENSXETG00000005219	NR2E3	nuclear receptor subfamily 2, group E, member 3 [Source:Jamboree;Acc:XB-GENE-485801]	1.2748	0.0247
ENSXETG00000009943	NTNG1	netrin G1 [Source:Jamboree;Acc:XB-GENE-981283]	1.2951	0.0141
ENSXETG00000000442	OPTC	opticin [Source:Jamboree;Acc:XB-GENE-941989]	1.4308	0.0015
ENSXETG00000001875	PCDH1	protocadherin 1 [Source:Jamboree;Acc:XB-GENE-983603]	1.4079	0.0123
ENSXETG00000001379	PDGFA	platelet-derived growth factor alpha polypeptide [Source:Jamboree;Acc:XB-GENE-484495]	1.2738	0.0455
ENSXETG00000012570	PECAM1	platelet/endothelial cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-488102]	1.3406	0.0103
ENSXETG00000027262	PKIA	protein kinase (cAMP-dependent, catalytic) inhibitor alpha [Source:Jamboree;Acc:XB-GENE-962961]	1.3964	0.0007
ENSXETG00000007579	PLA2R1	phospholipase A2 receptor 1, 180kDa [Source:Jamboree;Acc:XB-GENE-1000168]	1.7052	0.0184
ENSXETG00000011263	PMEPA1	prostate transmembrane protein, androgen induced 1 [Source:Jamboree;Acc:XB-GENE-1013948]	1.6656	0.0002
ENSXETG00000007699	PNCK	pregnancy up-regulated non-ubiquitously expressed CaM kinase [Source:Jamboree;Acc:XB-GENE-961042]	1.2630	0.0335
ENSXETG00000016932	PNP	purine nucleoside phosphorylase [Source:Jamboree;Acc:XB-GENE-1011598]	1.2915	0.0180
ENSXETG00000009056	PPFIBP2	PTPRF interacting protein, binding protein 2 (liprin beta 2) [Source:Jamboree;Acc:XB-GENE-1013068]	1.9303	0.0000
ENSXETG00000022545	PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C [Source:Jamboree;Acc:XB-GENE-487684]	1.4780	0.0000
ENSXETG00000010034	PRKCG	protein kinase C, gamma [Source:Jamboree;Acc:XB-GENE-876551]	1.2600	0.0200
ENSXETG00000017412	PTCHD2.2	patched domain containing 2, gene 2 [Source:Jamboree;Acc:XB-GENE-1033849]	1.3673	0.0335
ENSXETG00000023156	QSOX1	quiescin Q6 sulfhydryl oxidase 1 [Source:Jamboree;Acc:XB-GENE-944881]	1.9195	0.0274
ENSXETG00000013420	RASD2	RASD family, member 2 [Source:Jamboree;Acc:XB-GENE-494969]	1.4320	0.0001
ENSXETG00000019375	REV1	REV1 homolog [Source:Jamboree;Acc:XB-GENE-968197]	1.4729	0.0003
ENSXETG00000002503	RGS3	regulator of G-protein signaling 3 [Source:Jamboree;Acc:XB-GENE-5900212]	1.3432	0.0105
ENSXETG00000006898	RHOC	ras homolog gene family, member C [Source:Jamboree;Acc:XB-GENE-941426]	1.3475	0.0022
ENSXETG00000021715	RPRM	reprimo, TP53 dependent G2 arrest mediator ca [Source:Jamboree;Acc:XB-GENE-954338]	1.3075	0.0356
ENSXETG00000019162	RPRML	reprimo-like [Source:Jamboree;Acc:XB-GENE-996624]	1.3623	0.0249
ENSXETG00000016983	RTN1	reticulon 1 [Source:Jamboree;Acc:XB-GENE-1011333]	1.2976	0.0139
ENSXETG00000015914	RYBP	RING1 and YY1 binding protein [Source:Jamboree;Acc:XB-GENE-992066]	1.4383	0.0001
ENSXETG00000002823	RYR1	ryanodine receptor 1 (skeletal) [Source:Jamboree;Acc:XB-GENE-1013509]	2.0308	0.0000
ENSXETG00000016973	SCOC	short coiled-coil protein [Source:Jamboree;Acc:XB-GENE-949187]	1.2354	0.0480
ENSXETG00000007312	SEMA3F	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F [Source:Jamboree;Acc:XB-GENE-940271]	1.2986	0.0153
ENSXETG00000018164	SEMA4A	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A [Source:Jamboree;Acc:XB-GENE-5914424]	1.2904	0.0128
ENSXETG00000012967	SEMA4B	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B [Source:Jamboree;Acc:XB-GENE-922109]	1.2788	0.0356
ENSXETG00000000624	SERPINB1	serpin peptidase inhibitor, clade B (ovalbumin), member 1 [Source:Jamboree;Acc:XB-GENE-1217264]	2.1858	0.0000
ENSXETG00000000221	SERTAD4	SERTA domain containing 4 [Source:Jamboree;Acc:XB-GENE-943347]	1.3415	0.0011
ENSXETG00000025095	SH3BGR	SH3 domain binding glutamic acid-rich protein [Source:Jamboree;Acc:XB-GENE-946020]	1.4512	0.0024
ENSXETG00000012549	SH3BP5	SH3-domain binding protein 5 (BTK-associated) [Source:Jamboree;Acc:XB-GENE-959548]	1.3729	0.0009
ENSXETG00000010680	SHISA2	shisa 2 [Source:Jamboree;Acc:XB-GENE-939915]	1.5802	0.0001
ENSXETG00000026919	SHISA4	shisa family member 4 precursor [Source:RefSeq peptide;Acc:NP_001072683]	1.6581	0.0005
ENSXETG00000021479	SLC16A7	solute carrier family 16, member 7 (monocarboxylic acid transporter 2) [Source:Jamboree;Acc:XB-GENE-1008526]	1.3414	0.0099
ENSXETG00000011685	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 [Source:Jamboree;Acc:XB-GENE-1011544]	1.4743	0.0000
ENSXETG00000018025	SLC22A23	solute carrier family 22, member 23 [Source:Jamboree;Acc:XB-GENE-966989]	1.4415	0.0010
ENSXETG00000018810	SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12 [Source:Jamboree;Acc:XB-GENE-1002100]	1.3564	0.0135
ENSXETG00000002526	SLC25A29	solute carrier family 25, member 29 [Source:Jamboree;Acc:XB-GENE-5763797]	1.2981	0.0192
ENSXETG00000000993	SLC45A3	solute carrier family 45, member 3 [Source:Jamboree;Acc:XB-GENE-492251]	1.6587	0.0000
ENSXETG00000011257	SLCO4A1	solute carrier organic anion transporter family, member 4A1 [Source:Jamboree;Acc:XB-GENE-5905026]	1.4109	0.0088
ENSXETG00000023987	SLITRK5	SLIT and NTRK-like family, member 5 [Source:Jamboree;Acc:XB-GENE-6034846]	1.3150	0.0311
ENSXETG00000013348	SLITRK6	SLIT and NTRK-like family, member 6 [Source:Jamboree;Acc:XB-GENE-980871]	2.1046	0.0051
ENSXETG00000015299	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 [Source:Jamboree;Acc:XB-GENE-1013843]	1.2699	0.0262
ENSXETG00000019261	SOBP	sine oculis binding protein homolog [Source:RefSeq peptide;Acc:NP_001096678]	1.5844	0.0001
ENSXETG00000022744	SOCS5	suppressor of cytokine signaling 5 [Source:Jamboree;Acc:XB-GENE-479593]	1.4226	0.0006
ENSXETG00000024011	SOX12	SRY (sex determining region Y)-box 12 [Source:Jamboree;Acc:XB-GENE-483252]	1.6082	0.0001
ENSXETG00000026715	SPEF1	sperm flagellar 1 [Source:Jamboree;Acc:XB-GENE-1003954]	1.4579	0.0123
ENSXETG00000023050	SQLE	squalene epoxidase [Source:Jamboree;Acc:XB-GENE-1013583]	1.2411	0.0355
ENSXETG00000007666	ST3GAL2.1	ST3 beta-galactoside alpha-2,3-sialyltransferase 2, gene 1 [Source:Jamboree;Acc:XB-GENE-963532]	1.3625	0.0090
ENSXETG00000010382	ST6GAL2	ST6 beta-galactosamide alpha-2,6-sialyltranferase 2 [Source:Jamboree;Acc:XB-GENE-990439]	1.3296	0.0048
ENSXETG00000024127	ST8SIA2	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2 [Source:Jamboree;Acc:XB-GENE-960442]	1.3633	0.0015
ENSXETG00000009198	STMN1	stathmin 1 [Source:Jamboree;Acc:XB-GENE-481615]	1.3369	0.0031
ENSXETG00000002609	SVEP1	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1 [Source:Jamboree;Acc:XB-GENE-5996067]	1.4179	0.0043
ENSXETG00000018016	SYBU	syntabulin (syntaxin-interacting) [Source:Jamboree;Acc:XB-GENE-979776]	1.3108	0.0069
ENSXETG00000015622	SYN2	synapsin II [Source:Jamboree;Acc:XB-GENE-959237]	1.3971	0.0002
ENSXETG00000022670	SYNGR3	synaptogyrin 3 [Source:Jamboree;Acc:XB-GENE-949635]	1.3498	0.0077
ENSXETG00000008157	SYT15	synaptotagmin XV [Source:Jamboree;Acc:XB-GENE-6050096]	1.6120	0.0008
ENSXETG00000015442	SYT4	synaptotagmin 4 [Source:Jamboree;Acc:XB-GENE-5963049]	1.2981	0.0105
ENSXETG00000005800	TAX1BP3	Tax1 (human T-cell leukemia virus type I) binding protein 3 [Source:Jamboree;Acc:XB-GENE-483851]	1.2872	0.0406
ENSXETG00000003871	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2) [Source:Jamboree;Acc:XB-GENE-6070709]	1.7222	0.0160
ENSXETG00000021603	THY1	Thy-1 cell surface antigen [Source:Jamboree;Acc:XB-GENE-493820]	1.2747	0.0269
ENSXETG00000012428	TMEM164	transmembrane protein 164 [Source:Jamboree;Acc:XB-GENE-961759]	1.3487	0.0059
ENSXETG00000027689	TMEM229A	transmembrane protein 229A [Source:Jamboree;Acc:XB-GENE-969915]	1.3829	0.0104
ENSXETG00000011196	TMEM59L	transmembrane protein 59-like [Source:Jamboree;Acc:XB-GENE-958345]	1.2910	0.0207
ENSXETG00000011317	TNFRSF21	tumor necrosis factor receptor superfamily, member 21 [Source:Jamboree;Acc:XB-GENE-987803]	1.3823	0.0013
ENSXETG00000022539	TRIM67	tripartite motif containing 67 [Source:Jamboree;Acc:XB-GENE-959903]	1.4209	0.0046
ENSXETG00000003271	TRPM8	transient receptor potential cation channel, subfamily M, member 8 [Source:Jamboree;Acc:XB-GENE-998832]	1.5837	0.0032
ENSXETG00000005811	TRPV2	transient receptor potential cation channel, subfamily V, member 2 [Source:Jamboree;Acc:XB-GENE-6258127]	1.3791	0.0317
ENSXETG00000001752	TUBA8	tubulin, alpha 8 [Source:Jamboree;Acc:XB-GENE-491247]	2.5500	0.0037
ENSXETG00000029503	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	1.2591	0.0388
ENSXETG00000029598	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	2.5968	0.0045
ENSXETG00000013597	UNC13A	unc-13 homolog A [Source:Jamboree;Acc:XB-GENE-6039664]	1.2563	0.0347
ENSXETG00000013401	UNC5D	unc-5 homolog D [Source:Jamboree;Acc:XB-GENE-922923]	1.3535	0.0235
ENSXETG00000002572	UPF3A	UPF3 regulator of nonsense transcripts homolog A [Source:Jamboree;Acc:XB-GENE-1005810]	1.2669	0.0315
ENSXETG00000014363	VASH2	vasohibin 2 [Source:Jamboree;Acc:XB-GENE-985620]	1.2802	0.0414
ENSXETG00000012696	VAT1L	vesicle amine transport protein 1 homolog-like [Source:Jamboree;Acc:XB-GENE-952539]	1.2511	0.0264
ENSXETG00000017117	VSTM5	V-set and transmembrane domain containing 5 [Source:Jamboree;Acc:XB-GENE-940096]	1.5629	0.0052
ENSXETG00000017559	VWA5B1	von Willebrand factor A domain containing 5B1 [Source:Jamboree;Acc:XB-GENE-6462478]	1.4713	0.0017
ENSXETG00000025136	XB-GENE-5813137	ADP-ribosylation factor-like 11 [Source:Jamboree;Acc:XB-GENE-5813137]	1.6315	0.0139
ENSXETG00000000158	XB-GENE-5822257	hypothetical protein LOC100124990 [Source:Jamboree;Acc:XB-GENE-5822257]	1.3243	0.0129
ENSXETG00000010951	XB-GENE-5901010	hypothetical protein LOC548655 [Source:Jamboree;Acc:XB-GENE-5901010]	1.2443	0.0445
ENSXETG00000021633	XB-GENE-5947997	hypothetical protein LOC100037843 [Source:Jamboree;Acc:XB-GENE-5947997]	1.6491	0.0002
ENSXETG00000022463	XB-GENE-5962543	hypothetical LOC494812 [Source:Jamboree;Acc:XB-GENE-5962543]	2.1388	0.0027

ENSXETG00000008325	XB-GENE-961613	Putative ortholog of galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1 (EC 2.4.1.135) (Beta-1,3-glucuronyltransferase 1) (Glucuronosyltransferase-P) (GlcAT-P) (UDP-GlcUA:glycoprotein beta- 1,3-glucuronyltransferase) (GlcUAT-P). [Source:UniProt/SWISSPROT;Acc:, 1 of 1 [Source:Jamboree;Acc:XB-GENE-961613]	1.2999	0.0105
ENSXETG00000027480	XB-GENE-968486	Putative ortholog of dimeric dihydrodiol dehydrogenase; 3-deoxyglucosone reductase [Similar to Homo sapien gene from Source:RefSeq;Acc:NM_014475], 1 of 1 [Source:Jamboree;Acc:XB-GENE-968486]	1.4881	0.0090
ENSXETG00000010002	XB-GENE-987370	Putative ortholog of urokinase-type plasminogen activator precursor (EC 3.4.21.73) (uPA) (U-plasminogen activator), 1 of 1 [Source:Jamboree;Acc:XB-GENE-987370]	1.7710	0.0098
ENSXETG00000008109	XKR4	XK, Kell blood group complex subunit-related family, member 4 [Source:Jamboree;Acc:XB-GENE-5813487]	1.3066	0.0055
ENSXETG00000007460	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound [Source:Jamboree;Acc:XB-GENE-969249]	1.2892	0.0184
ENSXETG00000008971	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Source:Jamboree;Acc:XB-GENE-951350]	1.2961	0.0073
ENSXETG00000020405	ZBTB22	zinc finger and BTB domain containing 22 [Source:Jamboree;Acc:XB-GENE-6458515]	1.3200	0.0356
ENSXETG00000020303	ZBTB7C	zinc finger and BTB domain containing 7C [Source:Jamboree;Acc:XB-GENE-954049]	1.6986	0.0001
ENSXETG00000017793	ZC4H2	zinc finger, C4H2 domain containing [Source:Jamboree;Acc:XB-GENE-941217]	1.2689	0.0135
ENSXETG00000007463	ZDHHC9	zinc finger, DHHC-type containing 9 [Source:Jamboree;Acc:XB-GENE-1016830]	1.2989	0.0152
ENSXETG00000003560	ZNFX1.2	zinc finger, NFX1-type containing 1, gene 2 [Source:Jamboree;Acc:XB-GENE-5996127]	2.1986	0.0000

Complete List of Downregulated Genes Between NF stage 50 and 56

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000024219	A2M	alpha-2-macroglobulin [Source:Jamboree;Acc:XB-GENE-481725]	0.5850	0.0027
ENSXETG00000007668	AARS	alanyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-963523]	0.6266	0.0010
ENSXETG00000003740	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2 [Source:Jamboree;Acc:XB-GENE-1012796]	0.6056	0.0045
ENSXETG00000016725	ACP5	acid phosphatase 5, tartrate resistant [Source:Jamboree;Acc:XB-GENE-957094]	0.5649	0.0029
ENSXETG00000016740	ACSM3	acyl-CoA synthetase medium-chain family member 3 [Source:Jamboree;Acc:XB-GENE-486978]	0.5079	0.0119
ENSXETG00000014528	ACSS3	acyl-CoA synthetase short-chain family member 3 [Source:Jamboree;Acc:XB-GENE-6035224]	0.6514	0.0034
ENSXETG00000009279	ACTA2	actin, alpha 2, smooth muscle, aorta [Source:Jamboree;Acc:XB-GENE-493937]	0.6441	0.0279
ENSXETG00000001885	ACTR6	ARP6 actin-related protein 6 homolog [Source:Jamboree;Acc:XB-GENE-5860964]	0.7134	0.0139
ENSXETG00000019022	ADAMTS16	ADAM metallopeptidase with thrombospondin type 1 motif, 16 [Source:Jamboree;Acc:XB-GENE-986244]	0.4320	0.0187
ENSXETG00000009304	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide [Source:Jamboree;Acc:XB-GENE-977214]	0.7478	0.0381
ENSXETG00000009225	ADM	adrenomedullin [Source:Jamboree;Acc:XB-GENE-494037]	0.3965	0.0273
ENSXETG00000007588	AEN	apoptosis enhancing nuclease [Source:Jamboree;Acc:XB-GENE-949418]	0.5555	0.0123
ENSXETG00000023889	AGPHD1	aminoglycoside phosphotransferase domain containing 1 [Source:Jamboree;Acc:XB-GENE-956847]	0.4986	0.0341
ENSXETG00000000707	AGXT2	alanine--glyoxylate aminotransferase 2 [Source:Jamboree;Acc:XB-GENE-993827]	0.2476	0.0004
ENSXETG00000019486	AHCY	adenosylhomocysteinase [Source:Jamboree;Acc:XB-GENE-950017]	0.5550	0.0000
ENSXETG00000008277	AIFM3	apoptosis-inducing factor, mitochondrion-associated, 3 [Source:Jamboree;Acc:XB-GENE-5763104]	0.6346	0.0104
ENSXETG00000022613	ALDH18A1	aldehyde dehydrogenase 18 family, member A1 [Source:Jamboree;Acc:XB-GENE-5765545]	0.6182	0.0150
ENSXETG00000010865	ALDH1A2	aldehyde dehydrogenase 1 family, member A2 [Source:Jamboree;Acc:XB-GENE-1012909]	0.6594	0.0008
ENSXETG00000001886	ALDH1L2	aldehyde dehydrogenase 1 family, member L2 [Source:Jamboree;Acc:XB-GENE-5820495]	0.5953	0.0271
ENSXETG00000024058	ALDOB	aldolase B, fructose-bisphosphate [Source:Jamboree;Acc:XB-GENE-5925393]	0.6493	0.0134
ENSXETG00000001327	ANKFN1	ankyrin-repeat and fibronectin type III domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26766]	0.6392	0.0140
ENSXETG00000006436	ANKLE1	ankyrin repeat and LEM domain containing 1 [Source:Jamboree;Acc:XB-GENE-6045314]	0.6863	0.0075
ENSXETG00000000343	ANLN	anillin, actin binding protein [Source:Jamboree;Acc:XB-GENE-489407]	0.5229	0.0000
ENSXETG00000009516	ANP32C	acidic (leucine-rich) nuclear phosphoprotein 32 family, member C [Source:Jamboree;Acc:XB-GENE-991758]	0.6970	0.0005
ENSXETG00000009105	AP4M1	adaptor-related protein complex 4, mu 1 subunit [Source:Jamboree;Acc:XB-GENE-970010]	0.5185	0.0001
ENSXETG00000003417	ARHGAP19	Rho GTPase activating protein 19 [Source:Jamboree;Acc:XB-GENE-6041529]	0.3750	0.0001
ENSXETG00000007442	ARHGAP39	Rho GTPase activating protein 39 [Source:Jamboree;Acc:XB-GENE-6049004]	0.5658	0.0097
ENSXETG00000005789	ASPA	aspartoacylase [Source:Jamboree;Acc:XB-GENE-1016250]	0.4685	0.0160
ENSXETG00000001347	ASS1	argininosuccinate synthase 1 [Source:Jamboree;Acc:XB-GENE-977784]	0.7039	0.0040
ENSXETG00000023215	ATAD2	ATPase family, AAA domain containing 2 [Source:Jamboree;Acc:XB-GENE-995542]	0.2545	0.0000
ENSXETG00000012959	ATAD3A	ATPase family, AAA domain containing 3A [Source:Jamboree;Acc:XB-GENE-946129]	0.6895	0.0112
ENSXETG00000025818	ATAD5	ATPase family, AAA domain containing 5 [Source:Jamboree;Acc:XB-GENE-6257545]	0.6213	0.0001
ENSXETG00000008803	ATF5	activating transcription factor 5 [Source:Jamboree;Acc:XB-GENE-5808898]	0.4943	0.0000
ENSXETG00000008804	ATF5.2	activating transcription factor 5, gene 2 [Source:Jamboree;Acc:XB-GENE-5902427]	0.4507	0.0000
ENSXETG00000023279	ATOH1	atonal homolog 1 [Source:Jamboree;Acc:XB-GENE-6452084]	0.4632	0.0238
ENSXETG00000008135	ATP8B3	ATPase, aminophospholipid transporter, class I, type 8B, member 3 [Source:Jamboree;Acc:XB-GENE-992174]	0.6591	0.0427
ENSXETG00000009097	AURKB	aurora kinase B [Source:Jamboree;Acc:XB-GENE-1019626]	0.3469	0.0000
ENSXETG00000004284	BDNF	brain-derived neurotrophic factor [Source:Jamboree;Acc:XB-GENE-955554]	0.7051	0.0011
ENSXETG00000009983	BIRC5.2	baculoviral IAP repeat containing 5 [Source:Jamboree;Acc:XB-GENE-966741]	0.4009	0.0000
ENSXETG00000007071	BMP5	bone morphogenetic protein 5 [Source:Jamboree;Acc:XB-GENE-479371]	0.3510	0.0356
ENSXETG00000016386	BMP7.2	bone morphogenetic protein 7, gene 2 [Source:Jamboree;Acc:XB-GENE-855954]	0.6615	0.0023
ENSXETG00000019220	BMPR1B	bone morphogenetic protein receptor, type 1B [Source:Jamboree;Acc:XB-GENE-483455]	0.5474	0.0031
ENSXETG00000008158	BMS1	BMS1 homolog, ribosome assembly protein [Source:Jamboree;Acc:XB-GENE-5796193]	0.6784	0.0024
ENSXETG00000024564	BRCA1	breast cancer 1, early onset [Source:Jamboree;Acc:XB-GENE-490624]	0.3831	0.0000
ENSXETG00000010720	BRIP1	BRCA1 interacting protein C-terminal helicase 1 [Source:Jamboree;Acc:XB-GENE-492370]	0.3040	0.0000
ENSXETG00000000703	BRIX1	BRX1, biogenesis of ribosomes, homolog [Source:Jamboree;Acc:XB-GENE-1007993]	0.6492	0.0483
ENSXETG00000022448	BUB1	BUB1 budding uninhibited by benzimidazoles 1 homolog [Source:Jamboree;Acc:XB-GENE-974762]	0.3951	0.0000
ENSXETG00000000287	BUB1B	budding uninhibited by benzimidazoles 1 homolog beta [Source:Jamboree;Acc:XB-GENE-1010857]	0.3018	0.0000
ENSXETG00000007394	C10ORF140	chromosome 10 open reading frame 140 [Source:Jamboree;Acc:XB-GENE-976606]	0.5327	0.0000
ENSXETG00000000062	C14ORF43	chromosome 14 open reading frame 43 [Source:Jamboree;Acc:XB-GENE-1000694]	0.6492	0.0421
ENSXETG00000004738	C1ORF112	chromosome 1 open reading frame 112 [Source:Jamboree;Acc:XB-GENE-5952633]	0.4674	0.0073
ENSXETG00000021242	C1ORF93	chromosome 1 open reading frame 93 [Source:Jamboree;Acc:XB-GENE-968463]	0.7372	0.0428
ENSXETG00000009896	C21ORF63	chromosome 21 open reading frame 63 [Source:Jamboree;Acc:XB-GENE-1013210]	0.4117	0.0010
ENSXETG00000014934	C2ORF62	chromosome 2 open reading frame 62 [Source:Jamboree;Acc:XB-GENE-942706]	0.5793	0.0034
ENSXETG00000013102	C2ORF89	chromosome 2 open reading frame 89 [Source:Jamboree;Acc:XB-GENE-6050974]	0.3881	0.0084
ENSXETG00000002741	C3ORF17	chromosome 3 open reading frame 17 [Source:Jamboree;Acc:XB-GENE-5928587]	0.7046	0.0235
ENSXETG00000024098	C4ORF21	chromosome 4 open reading frame 21 [Source:Jamboree;Acc:XB-GENE-6461443]	0.3969	0.0000
ENSXETG00000012874	C6ORF204	chromosome 6 open reading frame 204 [Source:Jamboree;Acc:XB-GENE-6035286]	0.5378	0.0396
ENSXETG00000027527	C7ORF30	chromosome 7 open reading frame 30 [Source:Jamboree;Acc:XB-GENE-1000345]	0.5808	0.0178
ENSXETG00000007782	C8ORF4	chromosome 8 open reading frame 4 [Source:Jamboree;Acc:XB-GENE-949744]	0.5442	0.0406
ENSXETG00000000585	C9ORF46	chromosome 9 open reading frame 46 [Source:Jamboree;Acc:XB-GENE-1011541]	0.6721	0.0356
ENSXETG00000013774	CAR1_PREDICTED	carbonic anhydrase I [Source:RefSeq peptide;Acc:NP_001072785]	0.7283	0.0040
ENSXETG00000015968	CASC5	cancer susceptibility candidate 5 [Source:HGNC Symbol;Acc:HGNC:24054]	0.2917	0.0000
ENSXETG00000006978	CASP2	caspase 2, apoptosis-related cysteine peptidase (neural precursor cell expressed, developmentally down-regulated 2) [Source:Jamboree;Acc:XB-GENE-482390]	0.6131	0.0121
ENSXETG00000003386	CCDC43	coiled-coil domain containing 43 [Source:Jamboree;Acc:XB-GENE-972630]	0.7285	0.0442
ENSXETG00000015797	CCDC88C	coiled-coil domain containing 88C [Source:Jamboree;Acc:XB-GENE-1033686]	0.6047	0.0000
ENSXETG00000001016	CCNA2	cyclin A2 [Source:Jamboree;Acc:XB-GENE-923016]	0.3406	0.0000
ENSXETG00000026059	CCNB2	cyclin B2 [Source:Jamboree;Acc:XB-GENE-1005599]	0.3285	0.0073
ENSXETG00000022597	CCNB3	cyclin B3 [Source:Jamboree;Acc:XB-GENE-920213]	0.4478	0.0000
ENSXETG00000012929	CCNE1	cyclin E1 [Source:Jamboree;Acc:XB-GENE-972042]	0.5961	0.0173
ENSXETG00000006660	CCNE2	cyclin E2 [Source:Jamboree;Acc:XB-GENE-923043]	0.7178	0.0495
ENSXETG00000012459	CCNF	cyclin F [Source:Jamboree;Acc:XB-GENE-963729]	0.6522	0.0244
ENSXETG00000020332	CD38	CD38 molecule [Source:Jamboree;Acc:XB-GENE-945949]	0.5553	0.0073
ENSXETG00000022237	CD82	CD82 molecule [Source:Jamboree;Acc:XB-GENE-945242]	0.6785	0.0003
ENSXETG00000020610	CD97	CD97 molecule [Source:Jamboree;Acc:XB-GENE-952950]	0.8031	0.0477
ENSXETG00000025623	CDC20	cell division cycle 20 homolog [Source:Jamboree;Acc:XB-GENE-970663]	0.7056	0.0296
ENSXETG00000021310	CDC25A	cell division cycle 25 homolog A [Source:Jamboree;Acc:XB-GENE-5809292]	0.3471	0.0003
ENSXETG00000018602	CDC45	cell division cycle 45 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-976058]	0.2468	0.0000
ENSXETG00000024394	CDC6	cell division cycle 6 homolog [Source:Jamboree;Acc:XB-GENE-974720]	0.3434	0.0000
ENSXETG00000023034	CDC7	cell division cycle 7 homolog [Source:Jamboree;Acc:XB-GENE-951314]	0.3897	0.0000
ENSXETG00000023094	CDCA5	cell division cycle associated 5 [Source:Jamboree;Acc:XB-GENE-5908127]	0.4452	0.0000
ENSXETG00000002167	CDCA8	cell division cycle associated 8 [Source:Jamboree;Acc:XB-GENE-946929]	0.3060	0.0000
ENSXETG00000011269	CDH15	cadherin 15, M-cadherin (myotubule) [Source:Jamboree;Acc:XB-GENE-983662]	0.4920	0.0098

ENSXETG00000020009	CDH5	cadherin 5, type 2, VE-cadherin (vascular epithelium) [Source:Jamboree;Acc:XB-GENE-480937]	0.4754	0.0032
ENSXETG00000003123	CDK1	cyclin-dependent kinase 1 [Source:Jamboree;Acc:XB-GENE-482750]	0.3608	0.0000
ENSXETG00000021319	CENPE	centromere protein E, 312kDa [Source:Jamboree;Acc:XB-GENE-952286]	0.3637	0.0000
ENSXETG00000023124	CENPF	centromere protein F, 350/400kDa (mitosin) [Source:Jamboree;Acc:XB-GENE-1002205]	0.4187	0.0000
ENSXETG00000021289	CEP57L1	centrosomal protein 57kDa-like 1 [Source:Jamboree;Acc:XB-GENE-5897356]	0.4876	0.0093
ENSXETG00000021646	CFD	complement factor D (adipsin) [Source:Jamboree;Acc:XB-GENE-973605]	0.4946	0.0044
ENSXETG00000012301	CFL2	cofilin 2 (non-muscle) [Source:Jamboree;Acc:XB-GENE-1002956]	0.4795	0.0286
ENSXETG00000013748	CFP	complement factor properdin [Source:Jamboree;Acc:XB-GENE-5941221]	0.3840	0.0024
ENSXETG00000013014	CHAF1B	chromatin assembly factor 1, subunit B (p60) [Source:Jamboree;Acc:XB-GENE-996578]	0.2995	0.0000
ENSXETG00000014861	CHEK1	CHK1 checkpoint homolog [Source:Jamboree;Acc:XB-GENE-491846]	0.6049	0.0240
ENSXETG00000021608	CHEK2	CHK2 checkpoint homolog [Source:Jamboree;Acc:XB-GENE-5765421]	0.5291	0.0105
ENSXETG00000005776	CHTF18	CTF18, chromosome transmission fidelity factor 18 homolog [Source:Jamboree;Acc:XB-GENE-987602]	0.4372	0.0000
ENSXETG00000020708	CKAP2	cytoskeleton associated protein 2 [Source:Jamboree;Acc:XB-GENE-1004436]	0.3920	0.0000
ENSXETG00000015421	CKS1B	CDC28 protein kinase regulatory subunit 1B [Source:Jamboree;Acc:XB-GENE-921479]	0.3352	0.0002
ENSXETG00000015050	CLDN1	claudin 1 [Source:Jamboree;Acc:XB-GENE-951609]	0.4341	0.0323
ENSXETG00000004749	CLDN19	claudin 19 [Source:Jamboree;Acc:XB-GENE-954659]	0.2846	0.0090
ENSXETG00000001242	CLMP	CXADR-like membrane protein [Source:Jamboree;Acc:XB-GENE-973667]	0.7640	0.0493
ENSXETG00000005761	COL14A1	collagen, type XIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-990916]	0.5729	0.0001
ENSXETG00000010655	COL2A1	collagen, type II, alpha 1 [Source:Jamboree;Acc:XB-GENE-6258353]	0.6204	0.0000
ENSXETG00000010784	COL5A2	collagen, type V, alpha 2 [Source:HGNC Symbol;Acc:HGNC:2210]	0.5239	0.0000
ENSXETG00000006315	COMT	catechol-O-methyltransferase [Source:Jamboree;Acc:XB-GENE-948947]	0.7236	0.0356
ENSXETG00000017080	CRHBP	corticotropin releasing hormone binding protein [Source:Jamboree;Acc:XB-GENE-486316]	0.6467	0.0093
ENSXETG00000007851	CRTAP	cartilage associated protein [Source:Jamboree;Acc:XB-GENE-1009954]	0.6358	0.0144
ENSXETG00000016951	CRY1	cryptochrome 1 (photolyase-like) [Source:Jamboree;Acc:XB-GENE-946007]	0.8003	0.0381
ENSXETG00000008245	CTGF	connective tissue growth factor [Source:Jamboree;Acc:XB-GENE-855547]	0.5898	0.0040
ENSXETG00000022592	CYB5R4	cytochrome b5 reductase 4 [Source:Jamboree;Acc:XB-GENE-984179]	0.7071	0.0128
ENSXETG00000027531	CYCS	cytochrome c, somatic [Source:Jamboree;Acc:XB-GENE-971588]	0.7249	0.0099
ENSXETG00000013630	CYYR1	cysteine and tyrosine-rich 1 [Source:Jamboree;Acc:XB-GENE-854805]	0.4273	0.0322
ENSXETG00000027492	DAPL1	death associated protein-like 1 [Source:Jamboree;Acc:XB-GENE-1014847]	0.7516	0.0399
ENSXETG00000003387	DBF4B	DBF4 homolog B (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5829758]	0.7132	0.0140
ENSXETG00000023649	DCK.1	deoxycytidine kinase, gene 1 [Source:Jamboree;Acc:XB-GENE-956567]	0.4118	0.0003
ENSXETG00000018331	DCK.2	deoxycytidine kinase, gene 2 [Source:Jamboree;Acc:XB-GENE-5727742]	0.2652	0.0000
ENSXETG00000019042	DCTD	dCMP deaminase [Source:Jamboree;Acc:XB-GENE-971992]	0.3482	0.0215
ENSXETG00000018900	DCTPP1	dCTP pyrophosphatase 1 [Source:Jamboree;Acc:XB-GENE-958670]	0.6277	0.0435
ENSXETG00000006245	DDIT3	DNA-damage-inducible transcript 3 [Source:Jamboree;Acc:XB-GENE-1011286]	0.4506	0.0264
ENSXETG00000024086	DDR1	discoidin domain receptor tyrosine kinase 1 [Source:Jamboree;Acc:XB-GENE-485346]	0.7494	0.0310
ENSXETG00000014458	DDX10	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10 [Source:Jamboree;Acc:XB-GENE-985914]	0.6956	0.0176
ENSXETG00000003629	DDX11	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 [Source:Jamboree;Acc:XB-GENE-969935]	0.4053	0.0030
ENSXETG00000010314	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24 [Source:Jamboree;Acc:XB-GENE-983004]	0.7551	0.0427
ENSXETG00000020607	DDX39A	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A [Source:Jamboree;Acc:XB-GENE-966447]	0.8003	0.0472
ENSXETG00000011767	DDX43	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 [Source:Jamboree;Acc:XB-GENE-988016]	0.4602	0.0101
ENSXETG00000025903	DDX52	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52 [Source:Jamboree;Acc:XB-GENE-993518]	0.6676	0.0279
ENSXETG00000012376	DEPDC1	DEP domain containing 1 [Source:Jamboree;Acc:XB-GENE-1016421]	0.3670	0.0000
ENSXETG00000006073	DEPDC1B	DEP domain containing 1B [Source:Jamboree;Acc:XB-GENE-991208]	0.3244	0.0001
ENSXETG00000019275	DES.1	desmin, gene 1 [Source:Jamboree;Acc:XB-GENE-494931]	0.4058	0.0095
ENSXETG00000001388	DHRS3	dehydrogenase/reductase (SDR family) member 3 [Source:Jamboree;Acc:XB-GENE-955324]	0.5990	0.0002
ENSXETG00000002875	DLC	putative ortholog of delta-like protein C precursor (SwissPro) [Source:Jamboree;Acc:XB-GENE-968497]	0.4534	0.0000
ENSXETG00000015731	DLGAP5	discs, large homolog-associated protein 5 [Source:Jamboree;Acc:XB-GENE-481549]	0.3999	0.0001
ENSXETG00000022525	DLL1	delta-like 1 [Source:Jamboree;Acc:XB-GENE-479210]	0.6460	0.0000
ENSXETG00000007390	DNAJC1	DnaJ (Hsp40) homolog, subfamily C, member 1 [Source:Jamboree;Acc:XB-GENE-950431]	0.6186	0.0005
ENSXETG00000003739	DNMBP	dynamin binding protein [Source:Jamboree;Acc:XB-GENE-967684]	0.6428	0.0040
ENSXETG00000019047	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1) [Source:Jamboree;Acc:XB-GENE-5968250]	0.6802	0.0457
ENSXETG00000020444	DSP	desmoplakin [Source:Jamboree;Acc:XB-GENE-492195]	0.6094	0.0028
ENSXETG00000011970	DTX4	deltex homolog 4 [Source:Jamboree;Acc:XB-GENE-996046]	0.6428	0.0000
ENSXETG00000021428	E2F1	E2F transcription factor 1 [Source:Jamboree;Acc:XB-GENE-481741]	0.4496	0.0001
ENSXETG00000000021	E2F3	E2F transcription factor 3 [Source:Jamboree;Acc:XB-GENE-974737]	0.5369	0.0000
ENSXETG00000013780	E2F5	E2F transcription factor 5, p130-binding [Source:Jamboree;Acc:XB-GENE-481326]	0.6787	0.0007
ENSXETG00000014320	E2F7	E2F transcription factor 7 [Source:Jamboree;Acc:XB-GENE-1018445]	0.3681	0.0125
ENSXETG00000004436	E2F8	E2F transcription factor 8 [Source:Jamboree;Acc:XB-GENE-1219148]	0.3203	0.0000
ENSXETG00000017302	ECI1	enoyl-CoA delta isomerase 1 [Source:Jamboree;Acc:XB-GENE-999272]	0.6776	0.0176
ENSXETG00000023596	ECT2	epithelial cell transforming sequence 2 oncogene [Source:Jamboree;Acc:XB-GENE-998093]	0.3524	0.0000
ENSXETG00000015454	EDNRB	endothelin receptor type B [Source:Jamboree;Acc:XB-GENE-963709]	0.3285	0.0149
ENSXETG00000001182	EEF1A1	eukaryotic translation elongation factor 1 alpha 1 [Source:Jamboree;Acc:XB-GENE-480094]	0.7899	0.0176
ENSXETG00000022604	EEF1A1O	eukaryotic translation elongation factor 1 alpha 1, oocyte form [Source:Jamboree;Acc:XB-GENE-1218983]	0.2382	0.0000
ENSXETG00000010098	EEF1B2	eukaryotic translation elongation factor 1 beta 2 [Source:Jamboree;Acc:XB-GENE-966955]	0.7818	0.0420
ENSXETG00000013467	EFHD2	EF-hand domain family, member D2 [Source:Jamboree;Acc:XB-GENE-954641]	0.7465	0.0477
ENSXETG00000000762	EGFL7	EGF-like-domain, multiple 7 [Source:Jamboree;Acc:XB-GENE-491413]	0.7028	0.0362
ENSXETG00000011221	EIF2S1	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa [Source:Jamboree;Acc:XB-GENE-989630]	0.7883	0.0416
ENSXETG00000001891	ELK3	ELK3, ETS-domain protein (SRF accessory protein 2) [Source:Jamboree;Acc:XB-GENE-853037]	0.6456	0.0310
ENSXETG00000016731	ELOF1	elongation factor 1 homolog [Source:Jamboree;Acc:XB-GENE-940560]	0.6806	0.0004
ENSXETG00000017712	EMB	embigin [Source:Jamboree;Acc:XB-GENE-6258633]	0.7214	0.0179
ENSXETG00000001223	EMILIN1	elastin microfibril interfacer 1 [Source:Jamboree;Acc:XB-GENE-997654]	0.6353	0.0062
ENSXETG00000001613	EMILIN2	elastin microfibril interfacer 2 [Source:Jamboree;Acc:XB-GENE-978931]	0.3531	0.0496
ENSXETG00000012783	EMP2	epithelial membrane protein 2 [Source:Jamboree;Acc:XB-GENE-957163]	0.4111	0.0000
ENSXETG00000010619	EMP3	epithelial membrane protein 3 [Source:Jamboree;Acc:XB-GENE-952486]	0.4201	0.0104
ENSXETG00000020173	EPHA3	EPH receptor A3 [Source:Jamboree;Acc:XB-GENE-6035245]	0.6982	0.0024
ENSXETG00000022574	ERCC6L	excision repair cross-complementing rodent repair deficiency, complementation group 6-like [Source:Jamboree;Acc:XB-GENE-988849]	0.3125	0.0012
ENSXETG00000012067	ERF	Ets2 repressor factor [Source:Jamboree;Acc:XB-GENE-852957]	0.5471	0.0001
ENSXETG00000016659	ERI2	ERI1 exoribonuclease family member 2 [Source:Jamboree;Acc:XB-GENE-970828]	0.4985	0.0185
ENSXETG00000006017	ERRFI1	ERBB receptor feedback inhibitor 1 [Source:Jamboree;Acc:XB-GENE-1005334]	0.6339	0.0050
ENSXETG00000020442	ESCO2	establishment of cohesion 1 homolog 2 (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5955289]	0.2654	0.0000
ENSXETG00000012668	ESPL1	extra spindle pole bodies homolog 1 [Source:Jamboree;Acc:XB-GENE-1004361]	0.3308	0.0000
ENSXETG00000001165	ESPN	espin [Source:Jamboree;Acc:XB-GENE-960582]	0.6933	0.0056
ENSXETG00000025522	ESR10	enhancer of split related 10 [Source:Jamboree;Acc:XB-GENE-6492485]	0.4350	0.0000
ENSXETG00000019032	EXO1	exonuclease 1 [Source:Jamboree;Acc:XB-GENE-982078]	0.3443	0.0008
ENSXETG00000006318	EXOSC10	exosome component 10 [Source:Jamboree;Acc:XB-GENE-946594]	0.7300	0.0123
ENSXETG00000001932	F7	coagulation factor 7 (serum prothrombin conversion accelerator) [Source:Jamboree;Acc:XB-GENE-5787186]	0.0620	0.0269
ENSXETG00000024287	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:Jamboree;Acc:XB-GENE-964392]	0.4418	0.0001
ENSXETG00000014838	FAM175A	family with sequence similarity 175, member A [Source:Jamboree;Acc:XB-GENE-5730310]	0.6794	0.0028
ENSXETG00000011253	FAM38A	family with sequence similarity 38, member A [Source:Jamboree;Acc:XB-GENE-6050252]	0.4578	0.0000
ENSXETG00000003878	FAM53A	family with sequence similarity 53, member A [Source:Jamboree;Acc:XB-GENE-920487]	0.6114	0.0000
ENSXETG00000017718	FAM54A	family with sequence similarity 54, member A [Source:Jamboree;Acc:XB-GENE-987506]	0.5462	0.0216
ENSXETG00000002679	FAM60A	family with sequence similarity 60, member A [Source:Jamboree;Acc:XB-GENE-995755]	0.4319	0.0000
ENSXETG00000026473	FAM64A	family with sequence similarity 64, member A [Source:Jamboree;Acc:XB-GENE-983497]	0.3472	0.0000
ENSXETG00000012144	FAM83D	family with sequence similarity 83, member D [Source:Jamboree;Acc:XB-GENE-964363]	0.5869	0.0493
ENSXETG00000003617	FANCD2	Fanconi anemia, complementation group D2 [Source:Jamboree;Acc:XB-GENE-984801]	0.5904	0.0015
ENSXETG00000020481	FANCL	Fanconi anemia, complementation group L [Source:Jamboree;Acc:XB-GENE-978042]	0.5502	0.0289
ENSXETG00000007936	FARSA	phenylalanyl-tRNA synthetase, alpha subunit [Source:Jamboree;Acc:XB-GENE-946393]	0.6768	0.0056
ENSXETG00000002934	FARSB	phenylalanyl-tRNA synthetase, beta subunit [Source:Jamboree;Acc:XB-GENE-1015823]	0.5260	0.0087
ENSXETG00000013772	FBLN7	fibulin 7 [Source:Jamboree;Acc:XB-GENE-1008557]	0.5394	0.0029
ENSXETG00000001781	FBN3	fibrillin 3 [Source:Jamboree;Acc:XB-GENE-1217676]	0.8111	0.0456
ENSXETG00000018545	FBXO5	F-box protein 5 [Source:Jamboree;Acc:XB-GENE-953946]	0.3145	0.0492
ENSXETG00000016775	FGFR1	fibroblast growth factor receptor 1 [Source:Jamboree;Acc:XB-GENE-1018554]	0.7097	0.0024
ENSXETG00000007231	FGFR4	fibroblast growth factor receptor 4 [Source:Jamboree;Acc:XB-GENE-478699]	0.4682	0.0000
ENSXETG00000015018	FKBP7	FK506 binding protein 7 [Source:Jamboree;Acc:XB-GENE-977646]	0.5147	0.0046

ENSXETG00000026998	FOXA2	forkhead box A2 [Source:Jamboree;Acc:XB-GENE-480476]	0.5143	0.0003
ENSXETG00000001315	FOXM1	forkhead box M1 [Source:Jamboree;Acc:XB-GENE-854081]	0.2687	0.0000
ENSXETG00000011856	FOXP4	forkhead box P4 [Source:Jamboree;Acc:XB-GENE-982692]	0.7379	0.0081
ENSXETG00000008840	FZD2	frizzled family receptor 2 [Source:Jamboree;Acc:XB-GENE-487022]	0.6095	0.0028
ENSXETG00000004106	FZD6	frizzled family receptor 6 [Source:Jamboree;Acc:XB-GENE-478813]	0.6866	0.0306
ENSXETG00000026537	GADD45G	growth arrest and DNA-damage-inducible, gamma [Source:Jamboree;Acc:XB-GENE-481955]	0.6382	0.0003
ENSXETG00000024114	GAR1	GAR1 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-6258514]	0.7113	0.0216
ENSXETG00000018474	GARS	glycyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-963079]	0.6951	0.0000
ENSXETG00000001264	GGCX	gamma-glutamyl carboxylase [Source:Jamboree;Acc:XB-GENE-949715]	0.7383	0.0097
ENSXETG00000004469	GINS2	GINS complex subunit 2 (Psf2 homolog) [Source:Jamboree;Acc:XB-GENE-1003828]	0.6961	0.0304
ENSXETG00000016809	GINS4	GINS complex subunit 4 (Sld5 homolog) [Source:Jamboree;Acc:XB-GENE-949838]	0.5941	0.0005
ENSXETG00000016303	GJA5	gap junction protein, alpha 5, 40kDa [Source:Jamboree;Acc:XB-GENE-490481]	0.5755	0.0324
ENSXETG00000000543	GLDC	glycine dehydrogenase (decarboxylating) [Source:Jamboree;Acc:XB-GENE-1221322]	0.6463	0.0324
ENSXETG00000017144	GLI1.1	GLI family zinc finger 1, gene 1 [Source:Jamboree;Acc:XB-GENE-482644]	0.5537	0.0214
ENSXETG00000001856	GLI3	GLI family zinc finger 3 [Source:Jamboree;Acc:XB-GENE-484855]	0.7039	0.0051
ENSXETG00000014814	GMNN	geminin, DNA replication inhibitor [Source:Jamboree;Acc:XB-GENE-966994]	0.5080	0.0030
ENSXETG00000003034	GPC5	glypican 5 [Source:Jamboree;Acc:XB-GENE-6031723]	0.6901	0.0168
ENSXETG00000015784	GPR143	G protein-coupled receptor 143 [Source:Jamboree;Acc:XB-GENE-5848649]	0.6185	0.0455
ENSXETG00000002410	GPR161	G protein-coupled receptor 161 [Source:Jamboree;Acc:XB-GENE-1003408]	0.6798	0.0421
ENSXETG00000019628	GPR98	G protein-coupled receptor 98 [Source:Jamboree;Acc:XB-GENE-1010012]	0.7569	0.0176
ENSXETG00000005933	GPX1	glutathione peroxidase 1 [Source:Jamboree;Acc:XB-GENE-922630]	0.5981	0.0036
ENSXETG00000028092	GPX8	glutathione peroxidase 8 (putative) [Source:Jamboree;Acc:XB-GENE-6257701]	0.5085	0.0295
ENSXETG00000011784	GSX1	GS homeobox 1 [Source:Jamboree;Acc:XB-GENE-855502]	0.5817	0.0073
ENSXETG00000024745	H1FX	H1 histone family, member X [Source:Jamboree;Acc:XB-GENE-5928644]	0.6560	0.0001
ENSXETG00000012489	HAP1	huntingtin-associated protein 1 [Source:Jamboree;Acc:XB-GENE-493040]	0.5948	0.0000
ENSXETG00000007569	HAPLN3	hyaluronan and proteoglycan link protein 3 [Source:Jamboree;Acc:XB-GENE-5867355]	0.3768	0.0014
ENSXETG00000002665	HARS2	histidyl-tRNA synthetase 2, mitochondrial (putative) [Source:Jamboree;Acc:XB-GENE-5941573]	0.6416	0.0000
ENSXETG00000021500	HAUS1	HAUS augmin-like complex, subunit 1 [Source:Jamboree;Acc:XB-GENE-962939]	0.5224	0.0408
ENSXETG00000022630	HAUS4	HAUS augmin-like complex, subunit 4 [Source:Jamboree;Acc:XB-GENE-995661]	0.6028	0.0147
ENSXETG00000024486	HAUS6	HAUS augmin-like complex, subunit 6 [Source:Jamboree;Acc:XB-GENE-987220]	0.3750	0.0010
ENSXETG00000018379	HAUS7	HAUS augmin-like complex, subunit 7 [Source:Jamboree;Acc:XB-GENE-5773864]	0.6664	0.0000
ENSXETG00000011110	HES3.3	hairy and enhancer of split 3, gene 3 [Source:Jamboree;Acc:XB-GENE-480450]	0.3689	0.0000
ENSXETG00000012081	HES5.1	hairy and enhancer of split 5, gene 1 [Source:Jamboree;Acc:XB-GENE-481135]	0.5816	0.0000
ENSXETG00000012080	HES5.2	hairy and enhancer of split 5, gene 2 [Source:Jamboree;Acc:XB-GENE-876635]	0.6158	0.0003
ENSXETG00000009079	HES7.1	hairy and enhancer of split 7, gene 1 [Source:Jamboree;Acc:XB-GENE-876465]	0.1191	0.0334
ENSXETG00000022245	HES9.1	hairy and enhancer of split 9, gene 1 [Source:Jamboree;Acc:XB-GENE-5922592]	0.4795	0.0000
ENSXETG00000017616	HHIP	hedgehog interacting protein [Source:Jamboree;Acc:XB-GENE-487499]	0.4358	0.0000
ENSXETG00000008520	HKDC1	hexokinase domain containing 1 [Source:Jamboree;Acc:XB-GENE-1002857]	0.4688	0.0295
ENSXETG00000016916	HMGB2	high mobility group box 2 [Source:Jamboree;Acc:XB-GENE-1000246]	0.6403	0.0184
ENSXETG00000012323	HMGN2	high mobility group nucleosomal binding domain 2 [Source:Jamboree;Acc:XB-GENE-1015271]	0.7999	0.0416
ENSXETG00000003287	HMHA1	histocompatibility (minor) HA-1 [Source:Jamboree;Acc:XB-GENE-990078]	0.6824	0.0149
ENSXETG00000007906	HMMR	hyaluronan-mediated motility receptor (RHAMM) [Source:Jamboree;Acc:XB-GENE-5851601]	0.2823	0.0000
ENSXETG00000019215	HPGDS	hematopoietic prostaglandin D synthase [Source:Jamboree;Acc:XB-GENE-944778]	0.5690	0.0000
ENSXETG00000008404	HSPA9	heat shock 70kDa protein 9 (mortalin) [Source:Jamboree;Acc:XB-GENE-960228]	0.7875	0.0176
ENSXETG00000007330	HYAL2	hyaluronoglucosaminidase 2 [Source:Jamboree;Acc:XB-GENE-5799791]	0.6555	0.0095
ENSXETG00000007396	IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-483018]	0.5166	0.0000
ENSXETG00000016795	IMP4	IMP4, U3 small nucleolar ribonucleoprotein, homolog [Source:Jamboree;Acc:XB-GENE-6040852]	0.5360	0.0022
ENSXETG00000009343	IMPDH2	IMP (inosine 5'-monophosphate) dehydrogenase 2 [Source:Jamboree;Acc:XB-GENE-478728]	0.6715	0.0000
ENSXETG00000006735	INCENP	inner centromere protein antigens 135/155kDa [Source:Jamboree;Acc:XB-GENE-990398]	0.3568	0.0000
ENSXETG00000020384	IQGAP3	IQ motif containing GTPase activating protein 3 [Source:Jamboree;Acc:XB-GENE-493015]	0.3753	0.0000
ENSXETG00000007527	ITGA6	integrin, alpha 6 [Source:Jamboree;Acc:XB-GENE-489982]	0.6317	0.0008
ENSXETG00000002340	JAG1	jagged 1 [Source:Jamboree;Acc:XB-GENE-485662]	0.7355	0.0184
ENSXETG00000013609	JAM2	junctional adhesion molecule 2 [Source:Jamboree;Acc:XB-GENE-493973]	0.6477	0.0007
ENSXETG00000003569	KARS	lysyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-943468]	0.7381	0.0017
ENSXETG00000009961	KCNK5	potassium channel, subfamily K, member 5 [Source:Jamboree;Acc:XB-GENE-979847]	0.5873	0.0005
ENSXETG00000011707	KIAA0020	KIAA0020 [Source:Jamboree;Acc:XB-GENE-1001484]	0.7322	0.0112
ENSXETG00000027460	KIAA0101	KIAA0101 [Source:Jamboree;Acc:XB-GENE-1006964]	0.3725	0.0000
ENSXETG00000016139	KIAA1524	KIAA1524 [Source:Jamboree;Acc:XB-GENE-5926363]	0.3965	0.0000
ENSXETG00000012213	KIF11	kinesin family member 11 [Source:Jamboree;Acc:XB-GENE-978999]	0.3006	0.0000
ENSXETG00000008497	KIF15	kinesin family member 15 [Source:Jamboree;Acc:XB-GENE-1005654]	0.3618	0.0000
ENSXETG00000004282	KIF18A	kinesin family member 18A [Source:Jamboree;Acc:XB-GENE-990470]	0.4647	0.0056
ENSXETG00000006721	KIF20A	kinesin family member 20A [Source:Jamboree;Acc:XB-GENE-967269]	0.2713	0.0000
ENSXETG00000004673	KIF22	kinesin family member 22 [Source:Jamboree;Acc:XB-GENE-979888]	0.3567	0.0000
ENSXETG00000007829	KIF23	kinesin family member 23 [Source:Jamboree;Acc:XB-GENE-999865]	0.3163	0.0000
ENSXETG00000013598	KIF2C	kinesin family member 2C [Source:Jamboree;Acc:XB-GENE-961445]	0.3794	0.0001
ENSXETG00000005552	KIF4A	kinesin family member 4A [Source:Jamboree;Acc:XB-GENE-5932310]	0.6682	0.0028
ENSXETG00000007799	KNTC1	kinetochore associated 1 [Source:Jamboree;Acc:XB-GENE-1011946]	0.2897	0.0000
ENSXETG00000001594	KPNA2	karyopherin alpha-2 subunit like [Source:Jamboree;Acc:XB-GENE-979796]	0.5369	0.0000
ENSXETG00000013312	KRR1	KRR1, small subunit (SSU) processome component, homolog [Source:Jamboree;Acc:XB-GENE-1007979]	0.7011	0.0244
ENSXETG00000020454	KRT8	keratin 8 [Source:Jamboree;Acc:XB-GENE-876929]	0.6449	0.0000
ENSXETG00000004956	LAMA1	laminin, alpha 1 [Source:Jamboree;Acc:XB-GENE-968308]	0.6596	0.0148
ENSXETG00000012279	LAMB1	laminin, beta 1 [Source:Jamboree;Acc:XB-GENE-1011014]	0.5661	0.0015
ENSXETG00000012525	LAMC1	laminin, gamma 1 [Source:Jamboree;Acc:XB-GENE-478553]	0.7432	0.0066
ENSXETG00000018551	LBR	lamin B receptor [Source:Jamboree;Acc:XB-GENE-979300]	0.4562	0.0073
ENSXETG00000003693	LDLRAP1	low density lipoprotein receptor adaptor protein 1 [Source:Jamboree;Acc:XB-GENE-954261]	0.5083	0.0062
ENSXETG00000020387	LEPR	leptin receptor [Source:Jamboree;Acc:XB-GENE-980270]	0.5623	0.0145
ENSXETG00000000546	LHFPL2	lipoma HMGIC fusion partner-like 2 [Source:Jamboree;Acc:XB-GENE-958342]	0.6861	0.0075
ENSXETG00000013293	LIN28B	lin-28 homolog B [Source:Jamboree;Acc:XB-GENE-1218969]	0.2587	0.0266
ENSXETG00000005162	LMNB1	lamin B1 [Source:Jamboree;Acc:XB-GENE-489658]	0.7464	0.0185
ENSXETG00000007976	LMOD1	leiomodin 1 (smooth muscle) [Source:Jamboree;Acc:XB-GENE-979212]	0.6172	0.0025
ENSXETG00000021481	LRIG3	leucine-rich repeats and immunoglobulin-like domains 3 [Source:Jamboree;Acc:XB-GENE-1219309]	0.5270	0.0269
ENSXETG00000024115	LRIT3	leucine-rich repeat, immunoglobulin-like and transmembrane domains 3 [Source:Jamboree;Acc:XB-GENE-6076513]	0.3927	0.0000
ENSXETG00000016214	LRP2	low density lipoprotein receptor-related protein 2 [Source:Jamboree;Acc:XB-GENE-486052]	0.6866	0.0122
ENSXETG00000010024	LRP5	low density lipoprotein receptor-related protein 5 [Source:Jamboree;Acc:XB-GENE-485117]	0.6214	0.0184
ENSXETG00000006576	LRRC32.2	leucine rich repeat containing 32, gene 2 [Source:Jamboree;Acc:XB-GENE-6461207]	0.7237	0.0377
ENSXETG00000008233	LSR	lipolysis stimulated lipoprotein receptor [Source:Jamboree;Acc:XB-GENE-5720897]	0.4711	0.0317
ENSXETG00000019349	LTBP1	latent transforming growth factor beta binding protein 1 [Source:Jamboree;Acc:XB-GENE-488058]	0.7493	0.0397
ENSXETG00000002100	MAD2L1	MAD2 mitotic arrest deficient-like 1 [Source:Jamboree;Acc:XB-GENE-947153]	0.3000	0.0000
ENSXETG00000025174	MARS	methionyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5952509]	0.4601	0.0466
ENSXETG00000009113	MCM10	minichromosome maintenance complex component 10 [Source:Jamboree;Acc:XB-GENE-1015391]	0.5152	0.0019
ENSXETG00000004854	MCM4	minichromosome maintenance complex component 4 [Source:Jamboree;Acc:XB-GENE-1011481]	0.3445	0.0000
ENSXETG00000014891	MCM6.2	minichromosome maintenance complex component 6 [Source:Jamboree;Acc:XB-GENE-962678]	0.5295	0.0001
ENSXETG00000012868	MCM9	minichromosome maintenance complex component 9 [Source:Jamboree;Acc:XB-GENE-949288]	0.5022	0.0001
ENSXETG00000010237	MCMBP	minichromosome maintenance complex binding protein [Source:Jamboree;Acc:XB-GENE-5897999]	0.6417	0.0017
ENSXETG00000022839	MECOM	MDS1 and EVI1 complex locus [Source:Jamboree;Acc:XB-GENE-980195]	0.6017	0.0012
ENSXETG00000002807	MEIS3	Meis homeobox 3 [Source:Jamboree;Acc:XB-GENE-485337]	0.7406	0.0374
ENSXETG00000006551	MELK	maternal embryonic leucine zipper kinase [Source:Jamboree;Acc:XB-GENE-987654]	0.3375	0.0000
ENSXETG00000007856	METTL2B	methyltransferase like 2B [Source:Jamboree;Acc:XB-GENE-947877]	0.6526	0.0176
ENSXETG00000013536	MGC147419	uncharacterized protein LOC780218 [Source:RefSeq peptide;Acc:NP_001072761]	0.6896	0.0152
ENSXETG00000025209	MGMT	O-6-methylguanine-DNA methyltransferase [Source:Jamboree;Acc:XB-GENE-941688]	0.5146	0.0120
ENSXETG00000018105	MICALL2	MICAL-like 2 [Source:Jamboree;Acc:XB-GENE-979747]	0.6532	0.0091
ENSXETG00000002045	MINA	MYC induced nuclear antigen [Source:Jamboree;Acc:XB-GENE-982790]	0.4272	0.0352
ENSXETG00000019706	MIS18BP1	MIS18 binding protein 1 [Source:Jamboree;Acc:XB-GENE-6468517]	0.5032	0.0000
ENSXETG00000000839	MKI67IP	MKI67 (FHA domain) interacting nucleolar phosphoprotein [Source:Jamboree;Acc:XB-GENE-940532]	0.7255	0.0435
ENSXETG00000001836	MND1	meiotic nuclear divisions 1 homolog [Source:Jamboree;Acc:XB-GENE-950994]	0.3316	0.0115
ENSXETG00000020699	MRPS31	mitochondrial ribosomal protein S31 [Source:Jamboree;Acc:XB-GENE-988773]	0.6817	0.0365

ENSXETG00000020828	MRTO4	mRNA turnover 4 homolog [Source:Jamboree;Acc:XB-GENE-948010]	0.6816	0.0200
ENSXETG00000022615	MSH2	mutS homolog 2, colon cancer, nonpolyposis type 1 [Source:Jamboree;Acc:XB-GENE-977518]	0.6392	0.0071
ENSXETG00000012216	MSI1	musashi homolog 1 [Source:Jamboree;Acc:XB-GENE-490596]	0.7417	0.0011
ENSXETG00000012094	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:Jamboree;Acc:XB-GENE-941965]	0.6783	0.0022
ENSXETG00000012125	MYBL2	v-myb myeloblastosis viral oncogene homolog-like 2 [Source:Jamboree;Acc:XB-GENE-982419]	0.5281	0.0014
ENSXETG00000000233	MYH9	myosin, heavy chain 9, non-muscle [Source:Jamboree;Acc:XB-GENE-1002222]	0.6358	0.0297
ENSXETG00000025505	MYL9	myosin, light chain 9, regulatory [Source:Jamboree;Acc:XB-GENE-5949813]	0.5198	0.0014
ENSXETG00000004422	MYO1A	myosin IA [Source:Jamboree;Acc:XB-GENE-979281]	0.5830	0.0063
ENSXETG00000000576	N/A	N/A	0.3628	0.0010
ENSXETG00000001006	N/A	N/A	0.7611	0.0296
ENSXETG00000001279	N/A	N/A	0.4088	0.0000
ENSXETG00000003093	N/A	N/A	0.5216	0.0212
ENSXETG00000003099	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7C991]	0.6338	0.0401
ENSXETG00000005537	N/A	N/A	0.7102	0.0240
ENSXETG00000006293	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7A5K6]	0.2394	0.0248
ENSXETG00000006636	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U0Q2]	0.2195	0.0000
ENSXETG00000007669	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6PWP4]	0.6211	0.0000
ENSXETG00000007884	N/A	uncharacterized protein LOC100038305 [Source:RefSeq peptide;Acc:NP_001090879]	0.2017	0.0245
ENSXETG00000009841	N/A	N/A	0.3622	0.0000
ENSXETG00000010504	N/A	N/A	0.6680	0.0160
ENSXETG00000011511	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DEB8]	0.6894	0.0176
ENSXETG00000012168	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N3B4]	0.5661	0.0315
ENSXETG00000013521	N/A	N/A	0.4771	0.0002
ENSXETG00000013810	N/A	N/A	0.2805	0.0000
ENSXETG00000014690	N/A	N/A	0.4250	0.0204
ENSXETG00000019451	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Z7H1]	0.7858	0.0056
ENSXETG00000020180	N/A	N/A	0.7157	0.0012
ENSXETG00000021805	N/A	N/A	0.3994	0.0000
ENSXETG00000023592	N/A	N/A	0.6291	0.0207
ENSXETG00000023941	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DDR5]	0.5719	0.0008
ENSXETG00000024776	N/A	N/A	0.7175	0.0234
ENSXETG00000024879	N/A	N/A	0.5597	0.0244
ENSXETG00000025483	N/A	N/A	0.7158	0.0495
ENSXETG00000025852	N/A	N/A	0.5694	0.0018
ENSXETG00000026082	N/A	N/A	0.6418	0.0008
ENSXETG00000027561	N/A	uncharacterized protein LOC100145695 [Source:RefSeq peptide;Acc:NP_001120541]	0.7207	0.0286
XLOC_002616	N/A	N/A	0.5515	0.0018
XLOC_002910	N/A	N/A	0.5909	0.0216
XLOC_003347	N/A	N/A	0.3594	0.0000
XLOC_003634	N/A	N/A	0.6707	0.0184
XLOC_004178	N/A	N/A	0.5370	0.0185
XLOC_005084	N/A	N/A	0.4127	0.0244
XLOC_005399	N/A	N/A	0.4500	0.0195
XLOC_006163	N/A	N/A	0.5512	0.0048
XLOC_008267	N/A	N/A	0.6860	0.0276
XLOC_008308	N/A	N/A	0.5756	0.0347
XLOC_010881	N/A	N/A	0.3587	0.0024
XLOC_011312	N/A	N/A	0.7616	0.0472
XLOC_011781	N/A	N/A	0.5052	0.0011
XLOC_013095	N/A	N/A	0.3463	0.0477
XLOC_013135	N/A	N/A	0.6722	0.0228
XLOC_013790	N/A	N/A	0.4825	0.0001
XLOC_014177	N/A	N/A	0.4931	0.0294
XLOC_014318	N/A	N/A	0.5544	0.0192
XLOC_014585	N/A	N/A	0.7063	0.0355
XLOC_015452	N/A	N/A	0.3298	0.0001
XLOC_016454	N/A	N/A	0.7244	0.0395
XLOC_016528	N/A	N/A	0.7282	0.0116
XLOC_016620	N/A	N/A	0.4676	0.0271
XLOC_017024	N/A	N/A	0.6664	0.0010
XLOC_017481	N/A	N/A	0.6660	0.0164
XLOC_017804	N/A	N/A	0.7352	0.0098
XLOC_018223	N/A	N/A	0.5123	0.0000
XLOC_018862	N/A	N/A	0.3797	0.0215
XLOC_019432	N/A	N/A	0.6968	0.0234
XLOC_019478	N/A	N/A	0.4010	0.0000
XLOC_020054	N/A	N/A	0.2738	0.0000
XLOC_020464	N/A	N/A	0.3518	0.0003
XLOC_020741	N/A	N/A	0.6891	0.0435
XLOC_021796	N/A	N/A	0.4096	0.0301
XLOC_024223	N/A	N/A	0.5988	0.0029
XLOC_024262	N/A	N/A	0.6317	0.0305
XLOC_024308	N/A	N/A	0.4704	0.0000
XLOC_025026	N/A	N/A	0.3226	0.0363
XLOC_026151	N/A	N/A	0.5308	0.0104
XLOC_026412	N/A	N/A	0.7024	0.0368
XLOC_026754	N/A	N/A	0.5565	0.0001
XLOC_027318	N/A	N/A	0.7266	0.0174
XLOC_027465	N/A	N/A	0.1750	0.0213
XLOC_027862	N/A	N/A	0.5550	0.0000
XLOC_028020	N/A	N/A	0.6320	0.0188
XLOC_028653	N/A	N/A	0.4279	0.0001
XLOC_029148	N/A	N/A	0.2531	0.0140
XLOC_029674	N/A	N/A	0.7025	0.0004
XLOC_029682	N/A	N/A	0.4623	0.0000
XLOC_029913	N/A	N/A	0.7065	0.0112
XLOC_030156	N/A	N/A	0.6781	0.0435
XLOC_031106	N/A	N/A	0.6031	0.0163
XLOC_031421	N/A	N/A	0.3735	0.0000
XLOC_031447	N/A	N/A	0.4523	0.0004
XLOC_032258	N/A	N/A	0.4863	0.0000
XLOC_032678	N/A	N/A	0.4165	0.0000
XLOC_032909	N/A	N/A	0.5858	0.0008
XLOC_033222	N/A	N/A	0.5767	0.0184
XLOC_033466	N/A	N/A	0.3416	0.0000
XLOC_033579	N/A	N/A	0.4055	0.0269
XLOC_034615	N/A	N/A	0.6419	0.0476
XLOC_035008	N/A	N/A	0.5973	0.0063
XLOC_035027	N/A	N/A	0.2737	0.0000
XLOC_035105	N/A	N/A	0.4511	0.0011
XLOC_037212	N/A	N/A	0.2742	0.0005
XLOC_037631	N/A	N/A	0.7241	0.0098
XLOC_037903	N/A	N/A	0.6829	0.0108
XLOC_038082	N/A	N/A	0.3094	0.0000
XLOC_038083	N/A	N/A	0.2645	0.0000

XLOC_038426	N/A	N/A	0.6712	0.0012
XLOC_038594	N/A	N/A	0.3414	0.0000
XLOC_038595	N/A	N/A	0.3223	0.0000
XLOC_038753	N/A	N/A	0.3619	0.0000
XLOC_039026	N/A	N/A	0.2208	0.0000
XLOC_040812	N/A	N/A	0.4216	0.0224
XLOC_040815	N/A	N/A	0.1881	0.0000
XLOC_041645	N/A	N/A	0.3094	0.0001
XLOC_042219	N/A	N/A	0.2645	0.0000
XLOC_042239	N/A	N/A	0.6138	0.0011
XLOC_042390	N/A	N/A	0.5406	0.0095
XLOC_042521	N/A	N/A	0.4976	0.0480
XLOC_043007	N/A	N/A	0.6806	0.0114
ENSXETG00000006733	N4BP3	NEDD4 binding protein 3 [Source:Jamboree;Acc:XB-GENE-988982]	0.5924	0.0329
ENSXETG00000023826	NCAPG	non-SMC condensin I complex, subunit G [Source:Jamboree;Acc:XB-GENE-5783775]	0.4529	0.0000
ENSXETG00000007162	NCAPG2	non-SMC condensin II complex, subunit G2 [Source:Jamboree;Acc:XB-GENE-1002744]	0.3718	0.0000
ENSXETG00000001245	NCAPH	non-SMC condensin I complex, subunit H [Source:Jamboree;Acc:XB-GENE-5738397]	0.3582	0.0000
ENSXETG00000023090	NCAPH2	non-SMC condensin II complex, subunit H2 [Source:Jamboree;Acc:XB-GENE-993063]	0.2167	0.0000
ENSXETG00000020840	NDC80	NDC80 homolog, kinetochore complex component [Source:Jamboree;Acc:XB-GENE-997352]	0.5429	0.0078
ENSXETG00000005528	NDE1	nudE nuclear distribution gene E homolog 1 (A. nidulans) [Source:Jamboree;Acc:XB-GENE-1005616]	0.6212	0.0010
ENSXETG00000024755	NDUFAF3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 3 [Source:Jamboree;Acc:XB-GENE-999944]	0.6828	0.0001
ENSXETG00000019915	NES	nestin [Source:Jamboree;Acc:XB-GENE-490506]	0.7921	0.0390
ENSXETG00000004295	NEUROD4	neurogenic differentiation 4 [Source:Jamboree;Acc:XB-GENE-972704]	0.5022	0.0341
ENSXETG00000014562	NGDN	neuroguidin, EIF4E binding protein [Source:Jamboree;Acc:XB-GENE-946309]	0.7138	0.0424
ENSXETG00000016032	NHLRC3	NHL repeat containing 3 [Source:Jamboree;Acc:XB-GENE-988782]	0.3900	0.0011
ENSXETG00000006731	NHP2	NHP2 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-973261]	0.7004	0.0108
ENSXETG00000012198	NID2	nidogen 2 (osteonidogen) [Source:Jamboree;Acc:XB-GENE-967329]	0.6963	0.0377
ENSXETG00000013227	NKX6-1	NK6 homeobox 1 [Source:Jamboree;Acc:XB-GENE-483574]	0.5380	0.0007
ENSXETG00000023614	NKX6-2	NK6 homeobox 2 [Source:Jamboree;Acc:XB-GENE-484527]	0.5458	0.0020
ENSXETG00000013488	NLE1	notchless homolog 1 [Source:Jamboree;Acc:XB-GENE-984059]	0.4614	0.0012
ENSXETG00000020975	NOC3L	nucleolar complex associated 3 homolog [Source:Jamboree;Acc:XB-GENE-5957761]	0.7141	0.0097
ENSXETG00000011515	NOP2	NOP2 nucleolar protein homolog [Source:Jamboree;Acc:XB-GENE-962291]	0.6807	0.0035
ENSXETG00000014962	NOP56	NOP56 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-5879910]	0.6690	0.0001
ENSXETG00000022073	NOP58	NOP58 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-990556]	0.6917	0.0045
ENSXETG00000000757	NOTCH1	notch 1 [Source:Jamboree;Acc:XB-GENE-479318]	0.6550	0.0000
ENSXETG00000003001	NOTUM	notum pectinacetylesterase homolog [Source:Jamboree;Acc:XB-GENE-996986]	0.4719	0.0000
ENSXETG00000025443	NSMCE1	non-SMC element 1 homolog [Source:Jamboree;Acc:XB-GENE-1006456]	0.6005	0.0078
ENSXETG00000018955	NT5DC4	5'-nucleotidase domain containing 4 [Source:Jamboree;Acc:XB-GENE-5867778]	0.4000	0.0001
ENSXETG00000019519	NTN1	netrin 1 [Source:Jamboree;Acc:XB-GENE-989335]	0.5707	0.0000
ENSXETG00000000974	NUAK2	NUAK family, SNF1-like kinase, 2 [Source:Jamboree;Acc:XB-GENE-5857794]	0.5555	0.0248
ENSXETG00000016542	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1 [Source:Jamboree;Acc:XB-GENE-975736]	0.4056	0.0005
ENSXETG00000010463	NUF2	NUF2, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-1001441]	0.3522	0.0001
ENSXETG00000010597	NUP205	nucleoporin 205kDa [Source:Jamboree;Acc:XB-GENE-1009711]	0.7324	0.0129
ENSXETG00000027499	NUSAP1	nucleolar and spindle associated protein 1 [Source:Jamboree;Acc:XB-GENE-479486]	0.4469	0.0000
ENSXETG00000003519	ODC1	ornithine decarboxylase 1 [Source:Jamboree;Acc:XB-GENE-478945]	0.8149	0.0377
ENSXETG00000023668	OGG1	8-oxoguanine DNA glycosylase [Source:Jamboree;Acc:XB-GENE-995809]	0.6032	0.0188
ENSXETG00000022490	OLIG3	oligodendrocyte transcription factor 3 [Source:Jamboree;Acc:XB-GENE-919789]	0.2483	0.0006
ENSXETG00000003891	ORC6	origin recognition complex, subunit 6 [Source:Jamboree;Acc:XB-GENE-963541]	0.4613	0.0001
ENSXETG00000010313	OTUB2	OTU domain, ubiquitin aldehyde binding 2 [Source:Jamboree;Acc:XB-GENE-950643]	0.7410	0.0335
ENSXETG00000013025	OTX1	orthodenticle homeobox 1 [Source:Jamboree;Acc:XB-GENE-939804]	0.7393	0.0329
ENSXETG00000015687	OTX2	orthodenticle homeobox 2 [Source:Jamboree;Acc:XB-GENE-485220]	0.7646	0.0308
ENSXETG00000010724	P2RY6	pyrimidinergic receptor P2Y, G-protein coupled, 6 [Source:Jamboree;Acc:XB-GENE-955049]	0.6447	0.0002
ENSXETG00000019626	PAH	phenylalanine hydroxylase [Source:Jamboree;Acc:XB-GENE-991085]	0.5709	0.0001
ENSXETG00000007640	PAX3	paired box 3 [Source:Jamboree;Acc:XB-GENE-482740]	0.6305	0.0012
ENSXETG00000020438	PBK	PDZ binding kinase [Source:Jamboree;Acc:XB-GENE-1017083]	0.3015	0.0000
ENSXETG00000014608	PCK2	phosphoenolpyruvate carboxykinase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-974262]	0.4403	0.0248
ENSXETG00000013276	PCSK1	proprotein convertase subtilisin/kexin type 1 [Source:Jamboree;Acc:XB-GENE-983314]	0.7895	0.0138
ENSXETG00000025321	PDE6G	phosphodiesterase 6G, cGMP-specific, rod, gamma [Source:Jamboree;Acc:XB-GENE-945367]	0.5198	0.0388
ENSXETG00000008826	PDLIM1	PDZ and LIM domain 1 [Source:Jamboree;Acc:XB-GENE-1004691]	0.5950	0.0074
ENSXETG00000016579	PDLIM4	PDZ and LIM domain 4 [Source:Jamboree;Acc:XB-GENE-1001790]	0.7086	0.0044
ENSXETG00000008256	PER2	period homolog 2 [Source:Jamboree;Acc:XB-GENE-486306]	0.6723	0.0123
ENSXETG00000022029	PFKFB1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 [Source:Jamboree;Acc:XB-GENE-957710]	0.7682	0.0228
ENSXETG00000020644	PHACTR4	phosphatase and actin regulator 4 [Source:Jamboree;Acc:XB-GENE-5930004]	0.8127	0.0382
ENSXETG00000008530	PHGDH	phosphoglycerate dehydrogenase [Source:Jamboree;Acc:XB-GENE-5854283]	0.6301	0.0406
ENSXETG00000009544	PIF1	PIF1 5'-to-3' DNA helicase homolog [Source:Jamboree;Acc:XB-GENE-5924613]	0.3397	0.0293
ENSXETG00000007201	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific) [Source:Jamboree;Acc:XB-GENE-1008413]	0.6194	0.0030
ENSXETG00000022522	PLK4	polo-like kinase 4 [Source:Jamboree;Acc:XB-GENE-493608]	0.3707	0.0021
ENSXETG00000009439	PMEL	premelanosome protein [Source:Jamboree;Acc:XB-GENE-6454505]	0.2887	0.0003
ENSXETG00000019579	PMP22	peripheral myelin protein 22 [Source:Jamboree;Acc:XB-GENE-1004858]	0.6749	0.0003
ENSXETG00000017349	PNO1	partner of NOB1 homolog [Source:Jamboree;Acc:XB-GENE-491293]	0.7080	0.0056
ENSXETG00000023289	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit) [Source:Jamboree;Acc:XB-GENE-5916783]	0.6296	0.0018
ENSXETG00000016151	POLE	polymerase (DNA directed), epsilon [Source:Jamboree;Acc:XB-GENE-1011589]	0.6065	0.0018
ENSXETG00000012579	POLG2	polymerase (DNA directed), gamma 2, accessory subunit [Source:Jamboree;Acc:XB-GENE-1009985]	0.6087	0.0139
ENSXETG00000013749	POLR1B	polymerase (RNA) I polypeptide B, 128kDa [Source:Jamboree;Acc:XB-GENE-1008539]	0.6082	0.0235
ENSXETG00000017291	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H [Source:Jamboree;Acc:XB-GENE-491773]	0.6620	0.0135
ENSXETG00000022055	PPAN	peter pan homolog [Source:Jamboree;Acc:XB-GENE-6465745]	0.7281	0.0340
ENSXETG00000026886	PPAP2C	phosphatidic acid phosphatase type 2C [Source:Jamboree;Acc:XB-GENE-5816438]	0.6169	0.0017
ENSXETG00000012711	PPARGC1B	peroxisome proliferator-activated receptor gamma, coactivator 1 beta [Source:Jamboree;Acc:XB-GENE-1004403]	0.6364	0.0289
ENSXETG00000018366	PPIF	peptidylprolyl isomerase F [Source:Jamboree;Acc:XB-GENE-1008626]	0.7257	0.0478
ENSXETG00000017097	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1 [Source:Jamboree;Acc:XB-GENE-963801]	0.6404	0.0013
ENSXETG00000001712	PPRC1	peroxisome proliferator-activated receptor gamma, coactivator-related 1 [Source:Jamboree;Acc:XB-GENE-6469512]	0.6401	0.0159
ENSXETG00000015449	PRC1	protein regulator of cytokinesis 1 [Source:Jamboree;Acc:XB-GENE-963901]	0.4366	0.0000
ENSXETG00000025421	PRIM1	primase, DNA, polypeptide 1 (49kDa) [Source:Jamboree;Acc:XB-GENE-969075]	0.6092	0.0020
ENSXETG00000004450	PRIM2	primase, DNA, polypeptide 2 (58kDa) [Source:Jamboree;Acc:XB-GENE-1004020]	0.5664	0.0015
ENSXETG00000020336	PROM1	prominin 1 [Source:Jamboree;Acc:XB-GENE-853793]	0.7644	0.0376
ENSXETG00000004342	PROM2	prominin 2 [Source:Jamboree;Acc:XB-GENE-853506]	0.2943	0.0066
ENSXETG00000011188	PRPH	peripherin [Source:Jamboree;Acc:XB-GENE-493857]	0.6555	0.0000
ENSXETG00000026988	PRR11	proline rich 11 [Source:Jamboree;Acc:XB-GENE-942986]	0.4887	0.0162
ENSXETG00000022636	PRSS35	protease, serine, 35 [Source:Jamboree;Acc:XB-GENE-991610]	0.5112	0.0000
ENSXETG00000003623	PSAT1	phosphoserine aminotransferase 1 [Source:Jamboree;Acc:XB-GENE-1016013]	0.5454	0.0028
ENSXETG00000010074	PSPH	phosphoserine phosphatase [Source:Jamboree;Acc:XB-GENE-953316]	0.4024	0.0028
ENSXETG00000021661	PTBP1	polypyrimidine tract binding protein 1 [Source:Jamboree;Acc:XB-GENE-5818206]	0.7209	0.0052
ENSXETG00000018892	PTCH2	patched 2 [Source:Jamboree;Acc:XB-GENE-1033868]	0.7289	0.0139
ENSXETG00000024683	PTGR1.1	prostaglandin reductase 1, gene 1 [Source:Jamboree;Acc:XB-GENE-5789488]	0.3800	0.0000
ENSXETG00000013383	RACGAP1	Rac GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-943983]	0.4393	0.0000
ENSXETG00000015951	RAD51	RAD51 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-1016881]	0.4197	0.0017
ENSXETG00000011389	RAD51AP1	RAD51 associated protein 1 [Source:Jamboree;Acc:XB-GENE-963252]	0.2883	0.0000
ENSXETG00000025924	RAD54B	RAD54 homolog B [Source:Jamboree;Acc:XB-GENE-5839240]	0.5582	0.0017
ENSXETG00000014097	RARRES1	retinoic acid receptor responder (tazarotene induced) 1 [Source:Jamboree;Acc:XB-GENE-1011086]	0.8230	0.0476
ENSXETG00000006038	RASSF7	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7 [Source:Jamboree;Acc:XB-GENE-956640]	0.5269	0.0017
ENSXETG00000012969	RCC1	regulator of chromosome condensation 1 [Source:Jamboree;Acc:XB-GENE-979094]	0.5423	0.0005
ENSXETG00000008174	RCN1	reticulocalbin 1, EF-hand calcium binding domain [Source:Jamboree;Acc:XB-GENE-490301]	0.6785	0.0289
ENSXETG00000011825	RDH10	retinol dehydrogenase 10 (all-trans) [Source:Jamboree;Acc:XB-GENE-944961]	0.6686	0.0018
ENSXETG00000016582	RECQL4	RecQ protein-like 4 [Source:Jamboree;Acc:XB-GENE-997814]	0.4139	0.0001
ENSXETG00000005567	RFX1	regulatory factor X, 1 (influences HLA class II expression) [Source:Jamboree;Acc:XB-GENE-994757]	0.5598	0.0002
ENSXETG00000014145	RFX4	regulatory factor X, 4 (influences HLA class II expression) [Source:Jamboree;Acc:XB-GENE-1018509]	0.6753	0.0001

ENSXETG00000020436	RIOK1	RIO kinase 1 [Source:Jamboree;Acc:XB-GENE-492176]	0.7059	0.0487
ENSXETG00000017770	RLBP1	retinaldehyde binding protein 1 [Source:Jamboree;Acc:XB-GENE-976303]	0.6058	0.0390
ENSXETG00000012374	RPL10A	ribosomal protein L10a [Source:Jamboree;Acc:XB-GENE-974206]	0.7526	0.0214
ENSXETG00000006914	RPL3	ribosomal protein L3 [Source:Jamboree;Acc:XB-GENE-971703]	0.7748	0.0301
ENSXETG00000027024	RPL37	ribosomal protein L37 [Source:Jamboree;Acc:XB-GENE-956873]	0.7385	0.0021
ENSXETG00000000109	RPS12	ribosomal protein S12 [Source:Jamboree;Acc:XB-GENE-972800]	0.6269	0.0390
ENSXETG00000024113	RRH	retinal pigment epithelium-derived rhodopsin homolog [Source:Jamboree;Acc:XB-GENE-6076482]	0.4873	0.0057
ENSXETG00000003999	RRM1	ribonucleotide reductase M1 [Source:Jamboree;Acc:XB-GENE-1014077]	0.4238	0.0000
ENSXETG00000003527	RRM2.1	ribonucleotide reductase M2, gene 1 [Source:Jamboree;Acc:XB-GENE-947052]	0.2645	0.0000
ENSXETG00000011640	S1PR5	sphingosine-1-phosphate receptor 5 [Source:Jamboree;Acc:XB-GENE-5902381]	0.6077	0.0033
ENSXETG00000018417	SALL1	sal-like 1 [Source:Jamboree;Acc:XB-GENE-491393]	0.5689	0.0000
ENSXETG00000017176	SALL2	sal-like 2 [Source:Jamboree;Acc:XB-GENE-494377]	0.7156	0.0045
ENSXETG00000012326	SALL4	sal-like 4 [Source:Jamboree;Acc:XB-GENE-485252]	0.4089	0.0000
ENSXETG00000023098	SARDH	sarcosine dehydrogenase [Source:Jamboree;Acc:XB-GENE-6038613]	0.6300	0.0295
ENSXETG00000004424	SCUBE2	signal peptide, CUB domain, EGF-like 2 [Source:Jamboree;Acc:XB-GENE-5945055]	0.5550	0.0000
ENSXETG00000022838	SDC4	syndecan 4 [Source:Jamboree;Acc:XB-GENE-5727116]	0.4312	0.0000
ENSXETG00000020722	SELENBP1	selenium binding protein 1 [Source:Jamboree;Acc:XB-GENE-959074]	0.6149	0.0055
ENSXETG00000007320	SEMA3B	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B [Source:Jamboree;Acc:XB-GENE-921561]	0.4933	0.0257
ENSXETG00000000261	SEPT3	septin 3 [Source:Jamboree;Acc:XB-GENE-1002286]	0.8076	0.0214
ENSXETG00000027686	SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1 [Source:Jamboree;Acc:XB-GENE-945026]	0.5935	0.0004
ENSXETG00000026087	SFRP2	secreted frizzled-related protein 2 [Source:Jamboree;Acc:XB-GENE-485147]	0.6847	0.0406
ENSXETG00000017090	SGK223	homolog of rat pragma of Rnd2 [Source:Jamboree;Acc:XB-GENE-5933625]	0.5151	0.0123
ENSXETG00000017069	SHCBP1	SHC SH2-domain binding protein 1 [Source:Jamboree;Acc:XB-GENE-5807675]	0.3764	0.0000
ENSXETG00000024151	SHD	Src homology 2 domain containing transforming protein D [Source:Jamboree;Acc:XB-GENE-492409]	0.4959	0.0035
ENSXETG00000013504	SHH	sonic hedgehog [Source:Jamboree;Acc:XB-GENE-488039]	0.5405	0.0002
ENSXETG00000017162	SHMT2	serine hydroxymethyltransferase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-957476]	0.7544	0.0153
ENSXETG00000019941	SHROOM3	shroom family member 3 [Source:Jamboree;Acc:XB-GENE-490224]	0.5863	0.0000
ENSXETG00000016943	SIX1	SIX homeobox 1 [Source:Jamboree;Acc:XB-GENE-480717]	0.2398	0.0234
ENSXETG00000009595	SKA3	spindle and kinetochore associated complex subunit 3 [Source:Jamboree;Acc:XB-GENE-994918]	0.5359	0.0043
ENSXETG00000005430	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4 [Source:Jamboree;Acc:XB-GENE-1014107]	0.7420	0.0447
ENSXETG00000007850	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3 [Source:Jamboree;Acc:XB-GENE-5765054]	0.5158	0.0406
ENSXETG00000018275	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5 [Source:Jamboree;Acc:XB-GENE-482596]	0.5771	0.0257
ENSXETG00000021580	SLC2A7	solute carrier family 2 (facilitated glucose transporter), member 7 [Source:Jamboree;Acc:XB-GENE-5811422]	0.5415	0.0098
ENSXETG00000011939	SLC38A5	solute carrier family 38, member 5 [Source:Jamboree;Acc:XB-GENE-5856213]	0.4128	0.0000
ENSXETG00000001368	SLC39A12	solute carrier family 39 (zinc transporter), member 12 [Source:Jamboree;Acc:XB-GENE-6051312]	0.5603	0.0001
ENSXETG00000003633	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1 [Source:Jamboree;Acc:XB-GENE-5824076]	0.7579	0.0170
ENSXETG00000003335	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 [Source:Jamboree;Acc:XB-GENE-960114]	0.5421	0.0264
ENSXETG00000000683	SLC7A2.1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 1 [Source:Jamboree;Acc:XB-GENE-994549]	0.5879	0.0000
ENSXETG00000014603	SLC7A8	solute carrier family 7 (amino acid transporter light chain, L system), member 8 [Source:Jamboree;Acc:XB-GENE-485467]	0.8039	0.0406
ENSXETG00000017566	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 [Source:Jamboree;Acc:XB-GENE-494817]	0.7213	0.0139
ENSXETG00000010209	SMC2	structural maintenance of chromosomes 2 [Source:Jamboree;Acc:XB-GENE-5826169]	0.2945	0.0000
ENSXETG00000008717	SMC4	structural maintenance of chromosomes 4 [Source:Jamboree;Acc:XB-GENE-5865855]	0.5150	0.0000
ENSXETG00000014939	SMO	smoothened, frizzled family receptor [Source:Jamboree;Acc:XB-GENE-487420]	0.6725	0.0017
ENSXETG00000016155	SMTN	smoothelin [Source:Jamboree;Acc:XB-GENE-951898]	0.5888	0.0013
ENSXETG00000013541	SMYD4	SET and MYND domain containing 4 [Source:Jamboree;Acc:XB-GENE-945037]	0.6392	0.0043
ENSXETG00000029688	SNORA36	Small nucleolar RNA SNORA36 family [Source:RFAM;Acc:RF00340]	0.7083	0.0010
ENSXETG00000029626	SNORA5	Small nucleolar RNA SNORA5 [Source:RFAM;Acc:RF00392]	0.7099	0.0166
ENSXETG00000029813	SNORA79	Small nucleolar RNA SNORA79 [Source:RFAM;Acc:RF00600]	0.7325	0.0311
ENSXETG00000029250	SNORD35	Small nucleolar RNA SNORD35 [Source:RFAM;Acc:RF00211]	0.7227	0.0242
ENSXETG00000029745	SNORD89	Small nucleolar RNA SNORD89 [Source:RFAM;Acc:RF00578]	0.3577	0.0000
ENSXETG00000007607	SOX3	SRY (sex determining region Y)-box 3 [Source:Jamboree;Acc:XB-GENE-484815]	0.6160	0.0000
ENSXETG00000010306	SPC25	SPC25, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-950628]	0.6015	0.0017
ENSXETG00000021044	SPON2	spondin 2, extracellular matrix protein [Source:Jamboree;Acc:XB-GENE-945214]	0.1657	0.0011
ENSXETG00000022046	SQRDL	sulfide quinone reductase-like [Source:Jamboree;Acc:XB-GENE-957726]	0.6124	0.0001
ENSXETG00000012730	STC2	stanniocalcin 2 [Source:Jamboree;Acc:XB-GENE-1015863]	0.3816	0.0005
ENSXETG00000025791	STOML2	stomatin (EPB72)-like 2 [Source:Jamboree;Acc:XB-GENE-1017042]	0.6692	0.0008
ENSXETG00000002522	SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit [Source:Jamboree;Acc:XB-GENE-956242]	0.7394	0.0417
ENSXETG00000015231	SULF1	sulfatase 1 [Source:Jamboree;Acc:XB-GENE-966419]	0.5836	0.0000
ENSXETG00000007889	SULT6B1	sulfotransferase family, cytosolic, 6B, member 1 [Source:Jamboree;Acc:XB-GENE-5735978]	0.4362	0.0056
ENSXETG00000001322	SYNGR2	synaptogyrin 2 [Source:Jamboree;Acc:XB-GENE-1005721]	0.7263	0.0348
ENSXETG00000003874	TACC3	transforming, acidic coiled-coil containing protein 3 [Source:Jamboree;Acc:XB-GENE-483950]	0.4032	0.0000
ENSXETG00000016570	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) [Source:Jamboree;Acc:XB-GENE-481680]	0.6313	0.0346
ENSXETG00000009868	TARS	threonyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-975289]	0.4841	0.0051
ENSXETG00000018148	TBX18	T-box 18 [Source:Jamboree;Acc:XB-GENE-489907]	0.4876	0.0066
ENSXETG00000003395	TEAD4	TEA domain family member 4 [Source:Jamboree;Acc:XB-GENE-956369]	0.6349	0.0008
ENSXETG00000013900	TFPI2	tissue factor pathway inhibitor 2 [Source:Jamboree;Acc:XB-GENE-1002090]	0.6255	0.0003
ENSXETG00000025010	TGIF1	TGFB-induced factor homeobox 1 [Source:Jamboree;Acc:XB-GENE-853021]	0.4725	0.0000
ENSXETG00000017312	TGIF2	TGFB-induced factor homeobox 2 [Source:Jamboree;Acc:XB-GENE-876497]	0.3054	0.0001
ENSXETG00000009985	THA1P	threonine aldolase 1 pseudogene [Source:Jamboree;Acc:XB-GENE-972838]	0.4214	0.0000
ENSXETG00000016384	THSD4	thrombospondin, type I, domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25835]	0.6501	0.0010
ENSXETG00000001447	THUMPD3	THUMP domain containing 3 [Source:Jamboree;Acc:XB-GENE-877264]	0.6568	0.0232
ENSXETG00000017769	TICRR	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	0.5083	0.0108
ENSXETG00000001683	TJP2	tight junction protein 2 (zona occludens 2) [Source:Jamboree;Acc:XB-GENE-480467]	0.7400	0.0403
ENSXETG00000013999	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog) [Source:Jamboree;Acc:XB-GENE-868100]	0.7034	0.0045
ENSXETG00000007493	TLL2	tolloid-like 2 [Source:Jamboree;Acc:XB-GENE-478930]	0.7564	0.0289
ENSXETG00000006842	TMEM104	transmembrane protein 104 [Source:Jamboree;Acc:XB-GENE-5725015]	0.6326	0.0159
ENSXETG00000018649	TMEM98	transmembrane protein 98 [Source:Jamboree;Acc:XB-GENE-5859301]	0.5578	0.0002
ENSXETG00000017493	TMTOPS	multiple tissue opsin [Source:Jamboree;Acc:XB-GENE-1018915]	0.4814	0.0299
ENSXETG00000003024	TMTOPS.2	multiple tissue opsin, gene 2 [Source:Jamboree;Acc:XB-GENE-1018917]	0.5463	0.0029
ENSXETG00000001854	TOPBP1	topoisomerase (DNA) II binding protein 1 [Source:Jamboree;Acc:XB-GENE-990637]	0.6101	0.0015
ENSXETG00000020701	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2 [Source:Jamboree;Acc:XB-GENE-1015881]	0.5910	0.0116
ENSXETG00000002548	TPX2	TPX2 protein, microtubule-associated [Source:Jamboree;Acc:XB-GENE-5810264]	0.4854	0.0013
ENSXETG00000005959	TRAIP	TRAF interacting protein [Source:Jamboree;Acc:XB-GENE-922321]	0.6415	0.0303
ENSXETG00000011294	TRIM36	tripartite motif containing 36 [Source:Jamboree;Acc:XB-GENE-1017281]	0.6305	0.0155
ENSXETG00000013105	TRIP13	thyroid hormone receptor interactor 13 [Source:Jamboree;Acc:XB-GENE-974898]	0.3572	0.0001
ENSXETG00000023304	TRMU	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase [Source:Jamboree;Acc:XB-GENE-1010591]	0.6725	0.0001
ENSXETG00000016057	TST	thiosulfate sulfurtransferase (rhodanese) [Source:Jamboree;Acc:XB-GENE-951808]	0.3495	0.0120
ENSXETG00000011768	TTK	TTK protein kinase [Source:Jamboree;Acc:XB-GENE-953775]	0.6366	0.0120
ENSXETG00000019288	TUBA4B	tubulin, alpha 4b [Source:Jamboree;Acc:XB-GENE-489927]	0.6465	0.0051
ENSXETG00000011050	TXNIP	thioredoxin interacting protein [Source:Jamboree;Acc:XB-GENE-968442]	0.5065	0.0063
ENSXETG00000014881	UBE2C	ubiquitin-conjugating enzyme E2C [Source:Jamboree;Acc:XB-GENE-971108]	0.5157	0.0105
ENSXETG00000022306	UHRF1	ubiquitin-like with PHD and ring finger domains 1 [Source:Jamboree;Acc:XB-GENE-5821474]	0.3021	0.0000
ENSXETG00000021215	UMPS	uridine monophosphate synthetase [Source:Jamboree;Acc:XB-GENE-5874685]	0.6747	0.0408
ENSXETG00000004225	UPB1	ureidopropionase, beta [Source:Jamboree;Acc:XB-GENE-976127]	0.3331	0.0001
ENSXETG00000020255	USP16	ubiquitin specific peptidase 16 [Source:Jamboree;Acc:XB-GENE-1007164]	0.6825	0.0420
ENSXETG00000024076	VARS	valyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-487344]	0.5555	0.0180
ENSXETG00000016375	VEGFA	vascular endothelial growth factor A [Source:Jamboree;Acc:XB-GENE-485744]	0.7590	0.0035
ENSXETG00000007462	VIM	vimentin [Source:Jamboree;Acc:XB-GENE-493024]	0.7061	0.0001
ENSXETG00000012958	VWA1	von Willebrand factor A domain containing 1 [Source:Jamboree;Acc:XB-GENE-956807]	0.6061	0.0023

ENSXETG00000011004	WDR36	WD repeat domain 36 [Source:Jamboree;Acc:XB-GENE-972602]	0.6910	0.0349
ENSXETG00000020398	WDR46	WD repeat domain 46 [Source:Jamboree;Acc:XB-GENE-489373]	0.6704	0.0116
ENSXETG00000026376	WHSC1	Wolf-Hirschhorn syndrome candidate 1 [Source:Jamboree;Acc:XB-GENE-988824]	0.3993	0.0111
ENSXETG00000013842	WIF1	WNT inhibitory factor 1 [Source:Jamboree;Acc:XB-GENE-486515]	0.5846	0.0409
ENSXETG00000005035	XB-GENE-5722383	hypothetical protein LOC733945 [Source:Jamboree;Acc:XB-GENE-5722383]	0.3309	0.0000
ENSXETG00000019416	XB-GENE-5727515	novel protein containing an Inosine-uridine preferring nucleoside hydrolase domain [Source:Jamboree;Acc:XB-GENE-5727515]	0.4792	0.0362
ENSXETG00000017641	XB-GENE-5781886	calumenin [Source:Jamboree;Acc:XB-GENE-5781886]	0.3672	0.0012
ENSXETG00000024882	XB-GENE-5809273	suppressor of cytokine signaling 3 [Source:Jamboree;Acc:XB-GENE-5809273]	0.5079	0.0000
ENSXETG00000013902	XB-GENE-5814061	acyl-CoA dehydrogenase (3J649) [Source:Jamboree;Acc:XB-GENE-5814061]	0.5410	0.0194
ENSXETG00000019849	XB-GENE-5870986	hypothetical protein LOC100049770 [Source:Jamboree;Acc:XB-GENE-5870986]	0.4779	0.0093
ENSXETG00000026169	XB-GENE-5904605	hypothetical protein LOC100124841 [Source:Jamboree;Acc:XB-GENE-5904605]	0.5336	0.0026
ENSXETG00000014395	XB-GENE-5905096	gap junction protein, alpha 7, 45kDa (connexin 45) [Source:Jamboree;Acc:XB-GENE-5905096]	0.5007	0.0001
ENSXETG00000015354	XB-GENE-5945160	Cry1 protein [Source:Jamboree;Acc:XB-GENE-5945160]	0.4801	0.0007
ENSXETG00000023590	XB-GENE-950725	Putative ortholog of aTP-binding cassette, sub-family B, member 5; P-glycoprotein ABCB5 [Similar to Homo sapien gene from Source:RefSeq;Acc:NM_178559], 1 of 1 [Source:Jamboree;Acc:XB-GENE-950725]	0.7710	0.0450
ENSXETG00000002422	XB-GENE-953257	Putative ortholog of thiamine transporter 1 (Solute carrier family 19 (Thiamine transporter), member 2) (High affinity thiamine transporter THTR-1) (High-affinity thiamin transporter), 1 of 1 [Source:Jamboree;Acc:XB-GENE-953257]	0.7276	0.0176
ENSXETG00000021701	XB-GENE-971646	Putative ortholog of dNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (RLF beta subunit) (P102 protein) (P1-MCM3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-971646]	0.2872	0.0000
ENSXETG00000000312	XB-GENE-981231	Putative ortholog of kinesin-like protein KIF14, 1 of 1 [Source:Jamboree;Acc:XB-GENE-981231]	0.3396	0.0000
ENSXETG00000027416	XBP1	X-box binding protein 1 [Source:Jamboree;Acc:XB-GENE-487124]	0.7973	0.0490
ENSXETG00000029014	XTR-MIR-130B	xtr-mir-130b [Source:miRBase;Acc:MI0004833]	0.3835	0.0363
ENSXETG00000029161	XTR-MIR-25-2	xtr-mir-25-1 [Source:miRBase;Acc:MI0004914]	0.3952	0.0000
ENSXETG00000016987	ZFP36L1	zinc finger protein 36, C3H type-like 1 [Source:Jamboree;Acc:XB-GENE-966625]	0.6709	0.0016
ENSXETG00000014840	ZNF367	zinc finger protein 367 [Source:Jamboree;Acc:XB-GENE-986040]	0.7297	0.0150
ENSXETG00000015894	ZWILCH	Zwilch, kinetochore associated, homolog [Source:Jamboree;Acc:XB-GENE-5861097]	0.4518	0.0000

Complete List of Upregulated Genes Between NF stage 50 and 62

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000001210	AACS	acetoacetyl-CoA synthetase [Source:Jamboree;Acc:XB-GENE-490085]	1.5167	0.0000
ENSXETG00000022747	AASS	aminoadipate-semialdehyde synthase [Source:Jamboree;Acc:XB-GENE-943505]	1.1807	0.0467
ENSXETG00000013407	AATK	apoptosis-associated tyrosine kinase [Source:Jamboree;Acc:XB-GENE-989910]	1.3969	0.0000
ENSXETG00000003978	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2 [Source:Jamboree;Acc:XB-GENE-969968]	1.3234	0.0002
ENSXETG00000020232	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3 [Source:Jamboree;Acc:XB-GENE-1010698]	1.2421	0.0143
ENSXETG00000007705	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1 [Source:Jamboree;Acc:XB-GENE-953036]	1.2777	0.0283
ENSXETG00000012789	ABHD12	abhydrolase domain containing 12 [Source:Jamboree;Acc:XB-GENE-990130]	1.1778	0.0421
ENSXETG00000008670	ABHD6	abhydrolase domain containing 6 [Source:Jamboree;Acc:XB-GENE-966285]	1.6298	0.0000
ENSXETG00000012531	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 [Source:Jamboree;Acc:XB-GENE-6459814]	1.2756	0.0150
ENSXETG00000011610	ABLIM2	actin binding LIM protein family, member 2 [Source:Jamboree;Acc:XB-GENE-490231]	1.2475	0.0104
ENSXETG00000011988	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing)) [Source:Jamboree;Acc:XB-GENE-997273]	2.0241	0.0354
ENSXETG00000002061	ABTB1	ankyrin repeat and BTB (POZ) domain containing 1 [Source:Jamboree;Acc:XB-GENE-976579]	1.2900	0.0033
ENSXETG00000003783	ABTB2	ankyrin repeat and BTB (POZ) domain containing 2 [Source:Jamboree;Acc:XB-GENE-984511]	1.4328	0.0020
ENSXETG00000022634	ACBD3	acyl-CoA binding domain containing 3 [Source:Jamboree;Acc:XB-GENE-958909]	1.2315	0.0312
ENSXETG00000013366	ACCN2	amiloride-sensitive cation channel 2, neuronal [Source:Jamboree;Acc:XB-GENE-977699]	1.3731	0.0000
ENSXETG00000022231	ACCS	1-aminocyclopropane-1-carboxylate synthase homolog [Source:Jamboree;Acc:XB-GENE-989873]	1.2573	0.0080
ENSXETG00000027806	ACOT12	acyl-CoA thioesterase 12 [Source:Jamboree;Acc:XB-GENE-987297]	1.3315	0.0068
ENSXETG00000019720	ACOT7	acyl-CoA thioesterase 7 [Source:Jamboree;Acc:XB-GENE-976869]	1.3856	0.0001
ENSXETG00000021876	ACSBG2	acyl-CoA synthetase bubblegum family member 2 [Source:Jamboree;Acc:XB-GENE-1006640]	1.4138	0.0000
ENSXETG00000001539	ACSL1	acyl-CoA synthetase long-chain family member 1 protein [Source:Jamboree;Acc:XB-GENE-5739727]	1.2410	0.0245
ENSXETG00000016588	ACSL6	acyl-CoA synthetase long-chain family member 6 [Source:Jamboree;Acc:XB-GENE-5834989]	1.2930	0.0033
ENSXETG00000017933	ACTN1	actinin, alpha 1 [Source:Jamboree;Acc:XB-GENE-493909]	1.2324	0.0189
ENSXETG00000010380	ACVR1	activin A receptor, type I [Source:Jamboree;Acc:XB-GENE-478850]	1.8638	0.0000
ENSXETG00000022538	ADAM12	ADAM metallopeptidase domain 12 [Source:Jamboree;Acc:XB-GENE-982139]	2.0489	0.0000
ENSXETG00000008262	ADAM17	ADAM metallopeptidase domain 17 [Source:Jamboree;Acc:XB-GENE-492534]	1.4606	0.0000
ENSXETG00000015156	ADAM9	ADAM metallopeptidase domain 9 [Source:Jamboree;Acc:XB-GENE-976453]	1.2978	0.0071
ENSXETG00000018779	ADAMTS17	ADAM metallopeptidase with thrombospondin type 1 motif, 17 [Source:Jamboree;Acc:XB-GENE-6460749]	1.3442	0.0319
ENSXETG00000017676	ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif, 4 [Source:Jamboree;Acc:XB-GENE-996659]	1.5728	0.0035
ENSXETG00000013638	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif, 5 [Source:Jamboree;Acc:XB-GENE-961098]	2.2768	0.0000
ENSXETG00000000457	ADAMTS6	ADAM metallopeptidase with thrombospondin type 1 motif, 6 [Source:Jamboree;Acc:XB-GENE-951750]	2.9376	0.0000
ENSXETG00000013147	ADAMTS9	ADAM metallopeptidase with thrombospondin type 1 motif, 9 [Source:Jamboree;Acc:XB-GENE-1013537]	1.7626	0.0026
ENSXETG00000023116	ADAMTSL2	ADAMTS-like 2 [Source:HGNC Symbol;Acc:HGNC:14631]	3.7595	0.0002
ENSXETG00000015986	ADAP1	ArfGAP with dual PH domains 1 [Source:Jamboree;Acc:XB-GENE-5779570]	2.0803	0.0442
ENSXETG00000016889	ADCY4	adenylate cyclase 4 [Source:Jamboree;Acc:XB-GENE-984909]	1.5078	0.0000
ENSXETG00000017315	ADCY9	adenylate cyclase 9 [Source:Jamboree;Acc:XB-GENE-999257]	1.4393	0.0000
ENSXETG00000019179	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary) [Source:Jamboree;Acc:XB-GENE-992312]	1.3093	0.0019
ENSXETG00000020204	ADD3	adducin 3 (gamma) [Source:Jamboree;Acc:XB-GENE-5923007]	1.2729	0.0056
ENSXETG00000022910	ADPGK	ADP-dependent glucokinase [Source:Jamboree;Acc:XB-GENE-6037604]	1.2860	0.0272
ENSXETG00000010368	ADRA1D	adrenergic, alpha-1D-, receptor [Source:Jamboree;Acc:XB-GENE-6050827]	1.3183	0.0217
ENSXETG00000015427	ADRA2C	adrenergic, alpha-2C-, receptor [Source:Jamboree;Acc:XB-GENE-5773399]	1.2515	0.0467
ENSXETG00000019224	ADTRP	androgen-dependent TFPI-regulating protein [Source:HGNC Symbol;Acc:HGNC:21214]	1.4542	0.0028
ENSXETG00000009661	AGAP2	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2 [Source:Jamboree;Acc:XB-GENE-1011294]	1.8613	0.0001
ENSXETG00000020238	AGBL3	ATP/GTP binding protein-like 3 [Source:Jamboree;Acc:XB-GENE-995570]	1.6612	0.0369
ENSXETG00000027165	AGBL5	ATP/GTP binding protein-like 5 [Source:Jamboree;Acc:XB-GENE-958770]	1.3885	0.0006
ENSXETG00000021098	AGXT2L1	alanine-glyoxylate aminotransferase 2-like 1 [Source:Jamboree;Acc:XB-GENE-968831]	1.9139	0.0000
ENSXETG00000011083	AHSA1	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 [Source:Jamboree;Acc:XB-GENE-1006913]	1.4081	0.0059
ENSXETG00000019268	AIM1	absent in melanoma 1 [Source:Jamboree;Acc:XB-GENE-989534]	1.8881	0.0466
ENSXETG00000015321	AJAP1	adherens junctions associated protein 1 [Source:Jamboree;Acc:XB-GENE-990276]	1.3012	0.0034
ENSXETG00000021999	AK1	adenylate kinase 1 [Source:Jamboree;Acc:XB-GENE-1012039]	1.4197	0.0000
ENSXETG00000020392	AK4	adenylate kinase 4 [Source:Jamboree;Acc:XB-GENE-959954]	2.1850	0.0086
ENSXETG00000006260	AK8	adenylate kinase 8 [Source:Jamboree;Acc:XB-GENE-5831327]	1.7084	0.0002
ENSXETG00000008240	AKAP7	A kinase (PRKA) anchor protein 7 [Source:Jamboree;Acc:XB-GENE-962909]	1.2255	0.0274
ENSXETG00000016124	ALCAM	activated leukocyte cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-491704]	1.5496	0.0234
ENSXETG00000018531	ALDH4A1	aldehyde dehydrogenase 4 family, member A1 [Source:Jamboree;Acc:XB-GENE-959460]	1.2876	0.0167
ENSXETG00000020674	ALDOA	aldolase A, fructose-bisphosphate [Source:Jamboree;Acc:XB-GENE-959791]	1.2785	0.0086
ENSXETG00000017280	ALG3	asparagine-linked glycosylation 3, alpha-1,3- mannosyltransferase homolog [Source:Jamboree;Acc:XB-GENE-986278]	1.2859	0.0065
ENSXETG00000014487	ALKBH8	alkB, alkylation repair homolog 8 [Source:Jamboree;Acc:XB-GENE-985927]	1.3385	0.0118
ENSXETG00000024103	ALPK1	alpha-kinase 1 [Source:Jamboree;Acc:XB-GENE-1001597]	1.2379	0.0384
ENSXETG00000001979	AMBRA1	autophagy/beclin-1 regulator 1 [Source:Jamboree;Acc:XB-GENE-984578]	1.2631	0.0103
ENSXETG00000020279	AMDHD2	amidohydrolase domain containing 2 [Source:Jamboree;Acc:XB-GENE-976354]	1.4128	0.0427
ENSXETG00000012751	AMN	amnionless homolog [Source:Jamboree;Acc:XB-GENE-481898]	5.5482	0.0192
ENSXETG00000006385	AMOTL1	angiomotin like 1 [Source:Jamboree;Acc:XB-GENE-993664]	1.7815	0.0000
ENSXETG00000002009	AMPD2	adenosine monophosphate deaminase 2 [Source:Jamboree;Acc:XB-GENE-982645]	1.2368	0.0149
ENSXETG00000022932	ANAPC2	anaphase promoting complex subunit 2 [Source:Jamboree;Acc:XB-GENE-491168]	1.2544	0.0316
ENSXETG00000006661	ANKDD1A	ankyrin repeat and death domain containing 1A [Source:Jamboree;Acc:XB-GENE-6045405]	1.3044	0.0107
ENSXETG00000020302	ANKFN1	ankyrin-repeat and fibronectin type III domain containing 1 [Source:Jamboree;Acc:XB-GENE-6035383]	1.6739	0.0000
ENSXETG00000016820	ANKRA2	ankyrin repeat, family A (RFXANK-like), 2 [Source:Jamboree;Acc:XB-GENE-1002386]	1.2413	0.0168
ENSXETG00000013387	ANKRD32	ankyrin repeat domain 32 [Source:Jamboree;Acc:XB-GENE-983324]	1.6148	0.0000
ENSXETG00000006415	ANKRD49	ankyrin repeat domain 49 [Source:Jamboree;Acc:XB-GENE-479219]	1.5539	0.0083
ENSXETG00000019117	ANKRD6	ankyrin repeat domain 6 [Source:Jamboree;Acc:XB-GENE-478656]	1.9187	0.0000
ENSXETG00000005339	ANKRD9	ankyrin repeat domain 9 [Source:Jamboree;Acc:XB-GENE-955835]	1.5444	0.0108
ENSXETG00000022024	ANO10	anoctamin 10 [Source:Jamboree;Acc:XB-GENE-955754]	1.5341	0.0006
ENSXETG00000027478	ANXA1	annexin A1 [Source:Jamboree;Acc:XB-GENE-977623]	1.5624	0.0018
ENSXETG00000015832	ANXA6	annexin A6 [Source:Jamboree;Acc:XB-GENE-989741]	1.8697	0.0000

ENSXETG00000009033	AP2A1	adaptor-related protein complex 2, alpha 1 subunit [Source:RefSeq peptide;Acc:NP_001090846]	1.2210	0.0171
ENSXETG00000019317	APOE	apolipoprotein E [Source:Jamboree;Acc:XB-GENE-853213]	2.6679	0.0000
ENSXETG00000013612	APP	amyloid beta (A4) precursor protein [Source:Jamboree;Acc:XB-GENE-479154]	1.2039	0.0330
ENSXETG00000013509	APPBP2	amyloid beta precursor protein (cytoplasmic tail) binding protein 2 [Source:Jamboree;Acc:XB-GENE-951373]	1.2936	0.0029
ENSXETG00000011174	ARF3	ADP-ribosylation factor 3 [Source:Jamboree;Acc:XB-GENE-952628]	1.4702	0.0000
ENSXETG00000001985	ARHGAP1	Rho GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-1015089]	1.3649	0.0001
ENSXETG00000017298	ARHGAP17	Rho GTPase activating protein 17 [Source:Jamboree;Acc:XB-GENE-981776]	1.2048	0.0265
ENSXETG00000013931	ARHGAP20	Rho GTPase activating protein 20 [Source:Jamboree;Acc:XB-GENE-1005914]	1.3891	0.0003
ENSXETG00000006200	ARHGAP24	Rho GTPase activating protein 24 [Source:Jamboree;Acc:XB-GENE-996257]	3.5978	0.0000
ENSXETG00000001880	ARHGAP26	Rho GTPase activating protein 26 [Source:Jamboree;Acc:XB-GENE-1011980]	1.5663	0.0004
ENSXETG00000005487	ARHGAP42	Rho GTPase activating protein 42 [Source:HGNC Symbol;Acc:HGNC:26545]	2.2085	0.0000
ENSXETG00000025477	ARHGDIA	Rho GDP dissociation inhibitor (GDI) alpha [Source:Jamboree;Acc:XB-GENE-973541]	1.3093	0.0017
ENSXETG00000012139	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma [Source:Jamboree;Acc:XB-GENE-5955954]	1.2472	0.0115
ENSXETG00000006227	ARHGEF25	Rho guanine nucleotide exchange factor (GEF) 25 [Source:Jamboree;Acc:XB-GENE-6084380]	1.6228	0.0000
ENSXETG00000016158	ARHGEF40	Rho guanine nucleotide exchange factor (GEF) 40 [Source:Jamboree;Acc:XB-GENE-6050452]	1.3427	0.0008
ENSXETG00000015673	ARL11	ADP-ribosylation factor-like 11 [Source:Jamboree;Acc:XB-GENE-1012125]	2.6995	0.0000
ENSXETG00000023378	ARL15	ADP-ribosylation factor-like 15 [Source:Jamboree;Acc:XB-GENE-958837]	1.2936	0.0025
ENSXETG00000001661	ARL2	ADP-ribosylation factor-like 2 [Source:Jamboree;Acc:XB-GENE-494099]	1.2221	0.0453
ENSXETG00000015225	ARL3.1	ADP-ribosylation factor-like 3, gene 1 [Source:Jamboree;Acc:XB-GENE-956688]	1.2610	0.0052
ENSXETG00000021692	ARL5A	ADP-ribosylation factor-like 5A [Source:Jamboree;Acc:XB-GENE-1004384]	1.2298	0.0198
ENSXETG00000026476	ARL6	ADP-ribosylation factor-like 6 [Source:Jamboree;Acc:XB-GENE-940504]	1.3050	0.0133
ENSXETG00000025139	ARL6IP5	ADP-ribosylation-like factor 6 interacting protein 5 [Source:Jamboree;Acc:XB-GENE-482901]	1.3993	0.0000
ENSXETG00000005212	ARL8B	ADP-ribosylation factor-like 8B [Source:Jamboree;Acc:XB-GENE-490246]	1.3818	0.0003
ENSXETG00000009605	ARRB1	arrestin, beta 1 [Source:Jamboree;Acc:XB-GENE-481578]	1.2738	0.0029
ENSXETG00000006316	ARVCF	armadillo repeat gene deleted in velocardiofacial syndrome [Source:Jamboree;Acc:XB-GENE-489677]	1.2399	0.0068
ENSXETG00000021832	ARX	aristaless related homeobox [Source:Jamboree;Acc:XB-GENE-483940]	1.2266	0.0252
ENSXETG00000010311	ASB2	ankyrin repeat and SOCS box containing 2 [Source:Jamboree;Acc:XB-GENE-983015]	1.4673	0.0003
ENSXETG00000018211	ATAD2B	ATPase family, AAA domain containing 2B [Source:Jamboree;Acc:XB-GENE-5956276]	1.5770	0.0003
ENSXETG00000006394	ATCAY	ataxia, cerebellar, Cayman type [Source:Jamboree;Acc:XB-GENE-962245]	1.2038	0.0438
ENSXETG00000014471	ATM	ataxia telangiectasia mutated [Source:Jamboree;Acc:XB-GENE-493810]	1.1923	0.0339
ENSXETG00000023922	ATN1	atrophin 1 [Source:Jamboree;Acc:XB-GENE-6458762]	1.5408	0.0071
ENSXETG00000000441	ATP2B2	ATPase, Ca++ transporting, plasma membrane 2 [Source:Jamboree;Acc:XB-GENE-950177]	1.3288	0.0002
ENSXETG00000013287	ATP2C2	ATPase, Ca++ transporting, type 2C, member 2 [Source:Jamboree;Acc:XB-GENE-5873516]	1.2335	0.0271
ENSXETG00000001868	ATP5C1	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1 [Source:Jamboree;Acc:XB-GENE-970730]	1.2273	0.0145
ENSXETG00000007635	ATP6V0A1	ATPase, H+ transporting, lysosomal V0 subunit a1 [Source:Jamboree;Acc:XB-GENE-959346]	1.1888	0.0371
ENSXETG00000004705	ATP6V0D1	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1 [Source:Jamboree;Acc:XB-GENE-989918]	1.2786	0.0157
ENSXETG00000013734	ATP6V0D2	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d2 [Source:Jamboree;Acc:XB-GENE-957143]	2.4465	0.0181
ENSXETG00000009908	ATP6V1A	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A [Source:Jamboree;Acc:XB-GENE-479548]	1.3158	0.0009
ENSXETG00000016476	ATP6V1B2	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2 [Source:Jamboree;Acc:XB-GENE-941731]	1.1982	0.0475
ENSXETG00000000869	ATP6V1E1	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1 [Source:Jamboree;Acc:XB-GENE-1006142]	1.2010	0.0281
ENSXETG00000012313	ATP9A	ATPase, class II, type 9A [Source:Jamboree;Acc:XB-GENE-942215]	1.2287	0.0138
ENSXETG00000004357	ATRN	attractin [Source:Jamboree;Acc:XB-GENE-953934]	1.4760	0.0000
ENSXETG00000023806	ATRNL1	attractin-like 1 [Source:Jamboree;Acc:XB-GENE-6033278]	1.2812	0.0072
ENSXETG00000017979	AVP	arginine vasopressin [Source:Jamboree;Acc:XB-GENE-478869]	2.7212	0.0000
ENSXETG00000013065	B3GALNT2	beta-1,3-N-acetylgalactosaminyltransferase 2 [Source:Jamboree;Acc:XB-GENE-1012156]	1.3079	0.0264
ENSXETG00000001036	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6 [Source:Jamboree;Acc:XB-GENE-974114]	1.7097	0.0007
ENSXETG00000019184	B3GALTL	beta 1,3-galactosyltransferase-like [Source:Jamboree;Acc:XB-GENE-951583]	1.3570	0.0049
ENSXETG00000023018	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) [Source:Jamboree;Acc:XB-GENE-5956386]	1.3945	0.0003
ENSXETG00000020571	B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 [Source:Jamboree;Acc:XB-GENE-1007367]	1.3610	0.0005
ENSXETG00000006222	B4GALNT1	beta-1,4-N-acetyl-galactosaminyl transferase 1 [Source:Jamboree;Acc:XB-GENE-960512]	1.3691	0.0030
ENSXETG00000022374	BAAT	bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase) [Source:Jamboree;Acc:XB-GENE-5872601]	1.6654	0.0418
ENSXETG00000022850	BAG2	BCL2-associated athanogene 2 [Source:Jamboree;Acc:XB-GENE-966120]	2.4556	0.0033
ENSXETG00000010233	BAG3	BCL2-associated athanogene 3 [Source:Jamboree;Acc:XB-GENE-969277]	2.2714	0.0004
ENSXETG00000021585	BAIAP3	BAI1-associated protein 3 [Source:Jamboree;Acc:XB-GENE-956301]	1.4242	0.0000
ENSXETG00000011159	BANK1	B-cell scaffold protein with ankyrin repeats 1 [Source:Jamboree;Acc:XB-GENE-952296]	1.2422	0.0113
ENSXETG00000019779	BCL6	B-cell CLL/lymphoma 6 [Source:Jamboree;Acc:XB-GENE-984479]	2.4174	0.0088
ENSXETG00000005802	BCL7B	B-cell CLL/lymphoma 7B [Source:Jamboree;Acc:XB-GENE-973849]	1.5165	0.0001
ENSXETG00000010069	BCL9L	B-cell CLL/lymphoma 9-like [Source:Jamboree;Acc:XB-GENE-921499]	1.3070	0.0030
ENSXETG00000005207	BHLHE40	basic helix-loop-helix family, member e40 [Source:Jamboree;Acc:XB-GENE-486416]	1.8204	0.0000
ENSXETG00000000473	BIN1	bridging integrator 1 [Source:Jamboree;Acc:XB-GENE-979735]	1.1973	0.0335
ENSXETG00000000289	BMF	Bcl2 modifying factor [Source:Jamboree;Acc:XB-GENE-982389]	1.8648	0.0000
ENSXETG00000010536	BMP1	bone morphogenetic protein 1 [Source:Jamboree;Acc:XB-GENE-479191]	1.5263	0.0000
ENSXETG00000008620	BMP4	bone morphogenetic protein 4 [Source:Jamboree;Acc:XB-GENE-483058]	1.6147	0.0003
ENSXETG00000021129	BMPER	BMP binding endothelial regulator [Source:Jamboree;Acc:XB-GENE-480927]	1.8696	0.0141
ENSXETG00000022074	BMPR2	bone morphogenetic protein receptor, type 2 (serine/threonine kinase) [Source:Jamboree;Acc:XB-GENE-479990]	1.2202	0.0286
ENSXETG00000025214	BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3 [Source:Jamboree;Acc:XB-GENE-971175]	1.2228	0.0163
ENSXETG00000023616	BPGM	2,3-bisphosphoglycerate mutase [Source:Jamboree;Acc:XB-GENE-981498]	1.5338	0.0000
ENSXETG00000001207	BRI3BP	BRI3 binding protein [Source:Jamboree;Acc:XB-GENE-943691]	1.4141	0.0027
ENSXETG00000019750	BRS3	bombesin-like receptor 3 [Source:Jamboree;Acc:XB-GENE-960289]	8.2003	0.0013
ENSXETG00000023728	BRWD1	bromodomain and WD repeat domain containing 1 [Source:Jamboree;Acc:XB-GENE-992020]	1.4175	0.0031
ENSXETG00000022117	BRWD3	bromodomain and WD repeat domain containing 3 [Source:Jamboree;Acc:XB-GENE-5757854]	1.2358	0.0336
ENSXETG00000002336	BTBD3	BTB (POZ) domain containing 3 [Source:Jamboree;Acc:XB-GENE-975947]	1.2566	0.0092
ENSXETG00000010760	BTBD9	BTB (POZ) domain containing 9 [Source:Jamboree;Acc:XB-GENE-947505]	1.3583	0.0045
ENSXETG00000022795	BZW2	basic leucine zipper and W2 domains 2 [Source:Jamboree;Acc:XB-GENE-983135]	1.2435	0.0138
ENSXETG00000024966	C10ORF54	chromosome 10 open reading frame 54 [Source:Jamboree;Acc:XB-GENE-946677]	2.1412	0.0004
ENSXETG00000017940	C11ORF41	chromosome 11 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-6258146]	1.5544	0.0000
ENSXETG00000005096	C11ORF49	chromosome 11 open reading frame 49 [Source:Jamboree;Acc:XB-GENE-5808736]	1.6002	0.0004
ENSXETG00000006725	C11ORF66	chromosome 11 open reading frame 66 [Source:Jamboree;Acc:XB-GENE-961528]	2.3455	0.0000
ENSXETG00000010439	C11ORF73	chromosome 11 open reading frame 73 [Source:Jamboree;Acc:XB-GENE-967059]	1.8159	0.0000
ENSXETG00000004302	C12ORF51	chromosome 12 open reading frame 51 [Source:Jamboree;Acc:XB-GENE-5899475]	1.2827	0.0023
ENSXETG00000018908	C13ORF15	chromosome 13 open reading frame 15 [Source:Jamboree;Acc:XB-GENE-1006063]	2.6205	0.0000
ENSXETG00000013951	C14ORF129	chromosome 14 open reading frame 129 [Source:Jamboree;Acc:XB-GENE-987914]	1.2638	0.0493
ENSXETG00000024869	C14ORF147	chromosome 14 open reading frame 147 [Source:Jamboree;Acc:XB-GENE-949952]	1.5206	0.0134
ENSXETG00000011206	C15ORF24	chromosome 15 open reading frame 24 [Source:Jamboree;Acc:XB-GENE-945123]	1.2128	0.0313
ENSXETG00000020260	C16ORF13	chromosome 16 open reading frame 13 [Source:Jamboree;Acc:XB-GENE-981693]	1.5392	0.0003
ENSXETG00000027066	C17ORF28	chromosome 17 open reading frame 28 [Source:Jamboree;Acc:XB-GENE-5807373]	1.3315	0.0023
ENSXETG00000019659	C18ORF1	chromosome 18 open reading frame 1 [Source:Jamboree;Acc:XB-GENE-953560]	1.7351	0.0000
ENSXETG00000024675	C19ORF51	chromosome 19 open reading frame 51 [Source:Jamboree;Acc:XB-GENE-6258114]	1.9286	0.0000
ENSXETG00000002421	C1ORF114	chromosome 1 open reading frame 114 [Source:Jamboree;Acc:XB-GENE-972794]	1.5175	0.0001
ENSXETG00000003175	C1QL1	complement component 1, q subcomponent-like 1 [Source:Jamboree;Acc:XB-GENE-962848]	2.4493	0.0000
ENSXETG00000007450	C1QL3	complement component 1, q subcomponent-like 3 [Source:Jamboree;Acc:XB-GENE-992410]	2.3041	0.0000
ENSXETG00000019933	C1QTNF4	C1q and tumor necrosis factor related protein 4 [Source:Jamboree;Acc:XB-GENE-975450]	1.3215	0.0007
ENSXETG00000009708	C1QTNF9B	C1q and tumor necrosis factor related protein 9B [Source:Jamboree;Acc:XB-GENE-5889142]	1.3409	0.0206
ENSXETG00000009697	C20ORF26	chromosome 20 open reading frame 26 [Source:Jamboree;Acc:XB-GENE-5796298]	1.8206	0.0291
ENSXETG00000012747	C20ORF27	chromosome 20 open reading frame 27 [Source:Jamboree;Acc:XB-GENE-5956504]	1.4987	0.0000
ENSXETG00000007319	C20ORF3	chromosome 20 open reading frame 3 [Source:Jamboree;Acc:XB-GENE-5754317]	2.3646	0.0000
ENSXETG00000006571	C2CD4C	C2 calcium-dependent domain containing 4C [Source:Jamboree;Acc:XB-GENE-5998006]	1.4487	0.0000
ENSXETG00000003331	C2ORF18	chromosome 2 open reading frame 18 [Source:Jamboree;Acc:XB-GENE-5913793]	1.4905	0.0044
ENSXETG00000018208	C2ORF44	chromosome 2 open reading frame 44 [Source:Jamboree;Acc:XB-GENE-5729803]	1.3325	0.0104
ENSXETG00000025397	C5ORF32	chromosome 5 open reading frame 32 homolog [Source:Jamboree;Acc:XB-GENE-5727646]	1.4101	0.0005
ENSXETG00000000453	C5ORF44	chromosome 5 open reading frame 44 [Source:Jamboree;Acc:XB-GENE-5802753]	1.2424	0.0295
ENSXETG00000000797	C6ORF168	chromosome 6 open reading frame 168 [Source:Jamboree;Acc:XB-GENE-985851]	1.3866	0.0004
ENSXETG00000023441	C7ORF16	chromosome 7 open reading frame 16 [Source:Jamboree;Acc:XB-GENE-947109]	1.6115	0.0029
ENSXETG00000013426	C7ORF51	chromosome 7 open reading frame 51 [Source:Jamboree;Acc:XB-GENE-6462398]	1.2862	0.0059
ENSXETG00000004015	C7ORF52	chromosome 7 open reading frame 52 [Source:Jamboree;Acc:XB-GENE-5881951]	1.7002	0.0000

ENSXETG00000020139	C9ORF100	chromosome 9 open reading frame 100 [Source:Jamboree;Acc:XB-GENE-6257690]	1.9961	0.0347
ENSXETG00000009376	C9ORF72	chromosome 9 open reading frame 72 [Source:Jamboree;Acc:XB-GENE-5871697]	1.3150	0.0039
ENSXETG00000001296	CA10	carbonic anhydrase X [Source:Jamboree;Acc:XB-GENE-949649]	1.2906	0.0083
ENSXETG00000014383	CA11	carbonic anhydrase XI [Source:Jamboree;Acc:XB-GENE-6037596]	1.3080	0.0051
ENSXETG00000006824	CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit [Source:Jamboree;Acc:XB-GENE-993391]	1.5359	0.0000
ENSXETG00000022646	CACNA1H	calcium channel, voltage-dependent, T type, alpha 1H subunit [Source:Jamboree;Acc:XB-GENE-6042121]	1.2274	0.0198
ENSXETG00000007868	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1 [Source:Jamboree;Acc:XB-GENE-964524]	1.3159	0.0007
ENSXETG00000022755	CACNB2	calcium channel, voltage-dependent, beta 2 subunit [Source:Jamboree;Acc:XB-GENE-962360]	1.3792	0.0000
ENSXETG00000021694	CACNB4	calcium channel, voltage-dependent, beta 4 subunit [Source:Jamboree;Acc:XB-GENE-1012455]	1.2903	0.0276
ENSXETG00000015391	CADM1	cell adhesion molecule 1 [Source:Jamboree;Acc:XB-GENE-6033349]	1.1985	0.0321
ENSXETG00000015112	CADM4	cell adhesion molecule 4 [Source:Jamboree;Acc:XB-GENE-992659]	1.2051	0.0172
ENSXETG00000022749	CADPS2	Ca++-dependent secretion activator 2 [Source:Jamboree;Acc:XB-GENE-6033825]	1.4075	0.0009
ENSXETG00000014607	CALB1	calbindin 1, 28kDa [Source:Jamboree;Acc:XB-GENE-951983]	1.7604	0.0000
ENSXETG00000023672	CAMK1	calcium/calmodulin-dependent protein kinase I [Source:Jamboree;Acc:XB-GENE-1017139]	1.4537	0.0000
ENSXETG00000006460	CAMK2A	calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha [Source:Jamboree;Acc:XB-GENE-868353]	1.4786	0.0001
ENSXETG00000015547	CAMK2D	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta [Source:Jamboree;Acc:XB-GENE-868293]	1.3231	0.0004
ENSXETG00000006455	CAMK2G	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma [Source:Jamboree;Acc:XB-GENE-868520]	1.1921	0.0339
ENSXETG00000017283	CAMK2N2	calcium/calmodulin-dependent protein kinase II inhibitor 2 [Source:Jamboree;Acc:XB-GENE-960926]	1.3710	0.0000
ENSXETG00000020962	CAMKK2	calcium/calmodulin-dependent protein kinase kinase 2, beta [Source:Jamboree;Acc:XB-GENE-990544]	1.3344	0.0476
ENSXETG00000014191	CAP2	CAP, adenylate cyclase-associated protein, 2 [Source:Jamboree;Acc:XB-GENE-982188]	1.3442	0.0001
ENSXETG00000023299	CAPN1	calpain 1, (mu/I) large subunit [Source:Jamboree;Acc:XB-GENE-990196]	2.1620	0.0000
ENSXETG00000022056	CAPN13	calpain 13 [Source:Jamboree;Acc:XB-GENE-6045506]	2.2754	0.0025
ENSXETG00000009501	CAPNS1	calpain, small subunit 1 [Source:Jamboree;Acc:XB-GENE-6039680]	1.4055	0.0002
ENSXETG00000020309	CASD1	CAS1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-994775]	1.2803	0.0033
ENSXETG00000012950	CBLN1	cerebellin 1 precursor [Source:Jamboree;Acc:XB-GENE-978378]	1.5234	0.0000
ENSXETG00000016861	CBLN2	cerebellin 2 precursor [Source:Jamboree;Acc:XB-GENE-5897871]	1.3779	0.0000
ENSXETG00000015716	CBLN4	cerebellin 4 precursor [Source:Jamboree;Acc:XB-GENE-986703]	1.4626	0.0000
ENSXETG00000006910	CBX6	chromobox homolog 6 [Source:Jamboree;Acc:XB-GENE-951161]	1.9497	0.0000
ENSXETG00000020325	CC2D2A	coiled-coil and C2 domain containing 2A [Source:Jamboree;Acc:XB-GENE-5909177]	2.0625	0.0148
ENSXETG00000017448	CCDC134	coiled-coil domain containing 134 [Source:Jamboree;Acc:XB-GENE-951215]	1.2826	0.0017
ENSXETG00000014950	CCDC136	coiled-coil domain containing 136 [Source:Jamboree;Acc:XB-GENE-5992991]	1.9089	0.0000
ENSXETG00000013925	CCDC147	coiled-coil domain containing 147 [Source:Jamboree;Acc:XB-GENE-5719803]	1.6901	0.0031
ENSXETG00000004290	CCDC165	coiled-coil domain containing 165 [Source:Jamboree;Acc:XB-GENE-6047696]	1.5033	0.0000
ENSXETG00000013442	CCDC30	coiled-coil domain containing 30 [Source:Jamboree;Acc:XB-GENE-1004904]	1.5748	0.0000
ENSXETG00000009815	CCDC65	coiled-coil domain containing 65 [Source:Jamboree;Acc:XB-GENE-1002732]	1.5100	0.0083
ENSXETG00000006014	CCDC88B	coiled-coil domain containing 88B [Source:HGNC Symbol;Acc:HGNC:26757]	2.1238	0.0106
ENSXETG00000004420	CCDC89	coiled-coil domain containing 89 [Source:Jamboree;Acc:XB-GENE-5853491]	1.3434	0.0110
ENSXETG00000014940	CCDC93	coiled-coil domain containing 93 [Source:Jamboree;Acc:XB-GENE-5914327]	1.2695	0.0050
ENSXETG00000000355	CCK	cholecystokinin [Source:Jamboree;Acc:XB-GENE-495439]	1.3243	0.0234
ENSXETG00000011877	CD74	CD74 molecule, major histocompatibility complex, class II invariant chain [Source:Jamboree;Acc:XB-GENE-922847]	1.6308	0.0298
ENSXETG00000013234	CDC14A	CDC14 cell division cycle 14 homolog A [Source:Jamboree;Acc:XB-GENE-960625]	2.0163	0.0006
ENSXETG00000022112	CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like) [Source:Jamboree;Acc:XB-GENE-6037508]	1.2623	0.0051
ENSXETG00000018487	CDC42EP3	cdc42 effector protein (Rho GTPase binding) 3 [Source:Jamboree;Acc:XB-GENE-1015015]	1.4564	0.0001
ENSXETG00000022051	CDC42SE2	CDC42 small effector 2 [Source:Jamboree;Acc:XB-GENE-5744421]	1.5689	0.0000
ENSXETG00000020140	CDCP1	CUB domain containing protein 1 [Source:Jamboree;Acc:XB-GENE-968387]	2.4264	0.0018
ENSXETG00000020440	CDH12	cadherin 12, type 2 (N-cadherin 2) [Source:Jamboree;Acc:XB-GENE-982876]	1.3783	0.0012
ENSXETG00000006627	CDH13	cadherin 13, H-cadherin (heart) [Source:Jamboree;Acc:XB-GENE-5752189]	1.4261	0.0000
ENSXETG00000012238	CDH18	cadherin 18, type 2 [Source:Jamboree;Acc:XB-GENE-982900]	1.3881	0.0007
ENSXETG00000015623	CDH19	cadherin 19, type 2 [Source:Jamboree;Acc:XB-GENE-6045915]	1.6163	0.0146
ENSXETG00000008671	CDH22	cadherin 22, type 2 [Source:Jamboree;Acc:XB-GENE-922905]	1.3780	0.0000
ENSXETG00000022648	CDH24	cadherin 24, type 2 [Source:Jamboree;Acc:XB-GENE-995690]	1.6922	0.0000
ENSXETG00000025992	CDH3	cadherin 3, type 1, P-cadherin (placental) [Source:Jamboree;Acc:XB-GENE-482277]	2.4442	0.0000
ENSXETG00000014706	CDH7	cadherin 7, type 2 [Source:Jamboree;Acc:XB-GENE-1012259]	1.2987	0.0056
ENSXETG00000020131	CDH9	cadherin 9, type 2 (T1-cadherin) [Source:Jamboree;Acc:XB-GENE-6039319]	1.5276	0.0023
ENSXETG00000005632	CDHR1	cadherin-related family member 1 [Source:Jamboree;Acc:XB-GENE-478982]	2.8236	0.0160
ENSXETG00000019629	CDHR2	cadherin-related family member 2 [Source:Jamboree;Acc:XB-GENE-1004777]	1.5965	0.0306
ENSXETG00000003466	CDK14	cyclin-dependent kinase 14 [Source:Jamboree;Acc:XB-GENE-943250]	1.3348	0.0003
ENSXETG00000012405	CDK15	cyclin-dependent kinase 15 [Source:Jamboree;Acc:XB-GENE-961241]	1.4581	0.0000
ENSXETG00000024887	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1) [Source:Jamboree;Acc:XB-GENE-487802]	2.7776	0.0000
ENSXETG00000004589	CDX4	caudal type homeobox 4 [Source:Jamboree;Acc:XB-GENE-482787]	1.2313	0.0087
ENSXETG00000021992	CELF2	CUGBP, Elav-like family member 2 [Source:Jamboree;Acc:XB-GENE-963640]	1.3975	0.0030
ENSXETG00000014344	CELF5	CUGBP, Elav-like family member 5 [Source:Jamboree;Acc:XB-GENE-494002]	1.2280	0.0124
ENSXETG00000024528	CFAP70	cilia and flagella associated protein 70 [Source:HGNC Symbol;Acc:HGNC:30726]	2.1739	0.0000
ENSXETG00000005261	CFH	complement factor H [Source:Jamboree;Acc:XB-GENE-981265]	2.3915	0.0000
ENSXETG00000020726	CGN	cingulin [Source:Jamboree;Acc:XB-GENE-1009257]	1.2912	0.0078
ENSXETG00000006832	CHAD	chondroadherin [Source:Jamboree;Acc:XB-GENE-957654]	1.3915	0.0000
ENSXETG00000022956	CHCHD10	coiled-coil-helix-coiled-coil-helix domain containing 10 [Source:Jamboree;Acc:XB-GENE-5962008]	1.4084	0.0071
ENSXETG00000012991	CHD3	chromodomain helicase DNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-1008908]	1.2971	0.0008
ENSXETG00000002904	CHD5	chromodomain helicase DNA binding protein 5 [Source:Jamboree;Acc:XB-GENE-955461]	1.3561	0.0000
ENSXETG00000010302	CHGA	chromogranin A (parathyroid secretory protein 1) [Source:Jamboree;Acc:XB-GENE-960411]	1.2511	0.0098
ENSXETG00000019244	CHMP2A	chromatin modifying protein 2A [Source:Jamboree;Acc:XB-GENE-1005459]	1.2696	0.0190
ENSXETG00000007638	CHMP2B	chromatin modifying protein 2B [Source:Jamboree;Acc:XB-GENE-948820]	1.4421	0.0001
ENSXETG00000015003	CHN1	chimerin (chimaerin) 1 [Source:Jamboree;Acc:XB-GENE-852930]	1.3329	0.0003
ENSXETG00000016229	CHRM3	cholinergic receptor, muscarinic 3 [Source:Jamboree;Acc:XB-GENE-940647]	1.5974	0.0000
ENSXETG00000001015	CHST1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1 [Source:Jamboree;Acc:XB-GENE-1001308]	1.2583	0.0123
ENSXETG00000001882	CHST11	carbohydrate (chondroitin 4) sulfotransferase 11 [Source:Jamboree;Acc:XB-GENE-955998]	1.2580	0.0206
ENSXETG00000022131	CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2 [Source:Jamboree;Acc:XB-GENE-991540]	1.4521	0.0000
ENSXETG00000019690	CIDEA	cell death-inducing DFFA-like effector a [Source:Jamboree;Acc:XB-GENE-953574]	1.9803	0.0000
ENSXETG00000006650	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase [Source:Jamboree;Acc:XB-GENE-922666]	2.8606	0.0080
ENSXETG00000000506	CLCA1	chloride channel accessory 1 [Source:Jamboree;Acc:XB-GENE-6043674]	3.3170	0.0042
ENSXETG00000023146	CLCN3	chloride channel 3 [Source:Jamboree;Acc:XB-GENE-950794]	1.2394	0.0114
ENSXETG00000012694	CLEC3A	C-type lectin domain family 3, member A [Source:Jamboree;Acc:XB-GENE-986191]	1.5754	0.0079
ENSXETG00000020738	CLSTN2	calsyntenin 2 [Source:Jamboree;Acc:XB-GENE-958942]	1.2983	0.0012
ENSXETG00000006744	CLTB	clathrin, light chain B [Source:Jamboree;Acc:XB-GENE-954481]	1.1945	0.0381
ENSXETG00000023798	CLU	clusterin [Source:Jamboree;Acc:XB-GENE-5940737]	3.7075	0.0007
ENSXETG00000013750	CNGB1	cyclic nucleotide gated channel beta 1 [Source:Jamboree;Acc:XB-GENE-980342]	1.8480	0.0000
ENSXETG00000008423	CNIH2	cornichon homolog 2 [Source:Jamboree;Acc:XB-GENE-952875]	1.2139	0.0393
ENSXETG00000003286	CNN1	calponin 1, basic, smooth muscle [Source:Jamboree;Acc:XB-GENE-1005289]	1.3231	0.0107
ENSXETG00000025936	CNRIP1	cannabinoid receptor interacting protein 1 [Source:Jamboree;Acc:XB-GENE-980472]	1.2617	0.0319
ENSXETG00000015810	CNTN1	contactin 1 [Source:Jamboree;Acc:XB-GENE-491714]	1.2874	0.0078
ENSXETG00000015325	CNTN2	contactin 2 (axonal) [Source:Jamboree;Acc:XB-GENE-6070188]	1.3590	0.0002
ENSXETG00000005492	CNTN5	contactin 5 [Source:Jamboree;Acc:XB-GENE-953061]	1.2035	0.0392
ENSXETG00000020201	CNTNAP1	contactin associated protein 1 [Source:Jamboree;Acc:XB-GENE-963972]	1.5829	0.0000
ENSXETG00000010874	CNTNAP4	contactin associated protein-like 4 [Source:Jamboree;Acc:XB-GENE-6052455]	1.2770	0.0033
ENSXETG00000003603	COL12A1	collagen, type XII, alpha 1 [Source:Jamboree;Acc:XB-GENE-1012295]	2.2894	0.0000
ENSXETG00000017148	COL13A1	collagen, type XIII, alpha 1 [Source:Jamboree;Acc:XB-GENE-6462746]	1.3014	0.0251
ENSXETG00000022756	COL21A1	collagen, type XXI, alpha 1 [Source:Jamboree;Acc:XB-GENE-952329]	2.9978	0.0395
ENSXETG00000003092	COL24A1	collagen, type XXIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-980334]	1.6166	0.0053
ENSXETG00000021972	COL27A1	collagen, type XXVII, alpha 1 [Source:Jamboree;Acc:XB-GENE-6032747]	1.4232	0.0005
ENSXETG00000011486	COL6A1	collagen, type VI, alpha 1 [Source:Jamboree;Acc:XB-GENE-998856]	1.4500	0.0057
ENSXETG00000001204	COLEC11	collectin sub-family member 11 [Source:Jamboree;Acc:XB-GENE-952506]	2.2412	0.0014
ENSXETG00000002235	COMMD1	copper metabolism (Murr1) domain containing 1 [Source:Jamboree;Acc:XB-GENE-961919]	1.3706	0.0013
ENSXETG00000024946	COMT.2	catechol-O-methyltransferase [Source:Jamboree;Acc:XB-GENE-5865481]	1.2860	0.0012
ENSXETG00000025308	CORO2B	coronin, actin binding protein, 2B [Source:Jamboree;Acc:XB-GENE-1014762]	1.4047	0.0001
ENSXETG00000013325	COTL1	coactosin-like 1 (Dictyostelium) [Source:Jamboree;Acc:XB-GENE-943481]	1.2376	0.0186
ENSXETG00000017037	CPE	carboxypeptidase E [Source:Jamboree;Acc:XB-GENE-952270]	1.4465	0.0007

ENSXETG00000010660	CPEB1	cytoplasmic polyadenylation element binding protein 1 [Source:Jamboree;Acc:XB-GENE-946167]	1.5163	0.0002
ENSXETG00000020324	CPEB2	cytoplasmic polyadenylation element binding protein 2 [Source:Jamboree;Acc:XB-GENE-961735]	1.2348	0.0191
ENSXETG00000007163	CPLX1	complexin 1 [Source:Jamboree;Acc:XB-GENE-5815523]	1.4347	0.0000
ENSXETG00000021136	CPLX3	complexin 3 [Source:Jamboree;Acc:XB-GENE-978410]	1.6977	0.0001
ENSXETG00000019836	CPNE7	copine VII [Source:Jamboree;Acc:XB-GENE-983652]	1.2692	0.0043
ENSXETG00000024221	CREB3	cAMP responsive element binding protein 3 [Source:Jamboree;Acc:XB-GENE-959045]	1.4525	0.0280
ENSXETG00000002133	CREB3L4	cAMP responsive element binding protein 3-like 4 [Source:Jamboree;Acc:XB-GENE-5761389]	2.5744	0.0265
ENSXETG00000014527	CRELD2	cysteine-rich with EGF-like domains 2 [Source:Jamboree;Acc:XB-GENE-999014]	1.3339	0.0477
ENSXETG00000005305	CRHR1.2	corticotropin releasing hormone receptor 1, gene 2 [Source:Jamboree;Acc:XB-GENE-968267]	1.2282	0.0414
ENSXETG00000010373	CRIM1	cysteine rich transmembrane BMP regulator 1 (chordin-like) [Source:Jamboree;Acc:XB-GENE-481452]	1.3842	0.0000
ENSXETG00000024478	CRIP1	cysteine-rich protein 1 (intestinal) [Source:Jamboree;Acc:XB-GENE-953194]	1.3585	0.0002
ENSXETG00000000135	CRIP2	cysteine-rich protein 2 [Source:Jamboree;Acc:XB-GENE-953187]	1.4535	0.0001
ENSXETG00000013421	CROCC	ciliary rootlet coiled-coil, rootletin [Source:Jamboree;Acc:XB-GENE-996807]	1.2223	0.0352
ENSXETG00000025547	CRYGC	crystallin, gamma C [Source:Jamboree;Acc:XB-GENE-954819]	1.9025	0.0000
ENSXETG00000002645	CRYL1	crystallin, lambda 1 [Source:Jamboree;Acc:XB-GENE-945577]	1.3694	0.0248
ENSXETG00000016698	CRYM	crystallin, mu [Source:Jamboree;Acc:XB-GENE-970817]	2.3280	0.0000
ENSXETG00000004463	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1 [Source:Jamboree;Acc:XB-GENE-976931]	1.7844	0.0022
ENSXETG00000007710	CSMD1	CUB and Sushi multiple domains 1 [Source:HGNC Symbol;Acc:HGNC:14026]	1.5971	0.0000
ENSXETG00000009634	CSRNP2	cysteine-serine-rich nuclear protein 2 [Source:Jamboree;Acc:XB-GENE-983697]	1.3685	0.0004
ENSXETG00000014318	CSRP2	cysteine and glycine-rich protein 2 [Source:Jamboree;Acc:XB-GENE-943913]	1.3470	0.0334
ENSXETG00000018483	CWF19L2	CWF19-like 2, cell cycle control [Source:Jamboree;Acc:XB-GENE-985900]	1.2025	0.0231
ENSXETG00000007899	CXCL14	chemokine (C-X-C motif) ligand 14 [Source:Jamboree;Acc:XB-GENE-944199]	1.4284	0.0025
ENSXETG00000005325	CYB561	cytochrome b-561 [Source:Jamboree;Acc:XB-GENE-955821]	1.2197	0.0359
ENSXETG00000008472	CYCT	cytochrome c, testis [Source:Jamboree;Acc:XB-GENE-5931974]	1.3439	0.0032
ENSXETG00000020758	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-953895]	2.1002	0.0000
ENSXETG00000017527	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-479201]	6.4594	0.0246
ENSXETG00000018184	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-855583]	1.5169	0.0106
ENSXETG00000025024	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-5871552]	5.7260	0.0001
ENSXETG00000003885	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2 [Source:Jamboree;Acc:XB-GENE-6258041]	1.7974	0.0036
ENSXETG00000003432	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-985396]	1.2610	0.0109
ENSXETG00000024063	CYTH3	cytohesin 3 [Source:Jamboree;Acc:XB-GENE-941327]	1.2405	0.0102
ENSXETG00000006396	DAPK3	death-associated protein kinase 3 [Source:Jamboree;Acc:XB-GENE-969752]	1.2499	0.0344
ENSXETG00000000244	DBC1	deleted in bladder cancer 1 [Source:Jamboree;Acc:XB-GENE-1011965]	1.3684	0.0001
ENSXETG00000023110	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase) [Source:Jamboree;Acc:XB-GENE-959495]	1.8482	0.0000
ENSXETG00000019847	DBNDD1	dysbindin (dystrobrevin binding protein 1) domain containing 1 [Source:Jamboree;Acc:XB-GENE-983679]	2.4571	0.0000
ENSXETG00000003160	DBP	D site of albumin promoter (albumin D-box) binding protein [Source:Jamboree;Acc:XB-GENE-5995286]	1.8968	0.0000
ENSXETG00000005311	DCAF7	DDB1 and CUL4 associated factor 7 [Source:Jamboree;Acc:XB-GENE-973762]	1.2596	0.0153
ENSXETG00000001810	DCHS2	dachsous 2 [Source:Jamboree;Acc:XB-GENE-6048959]	2.6225	0.0000
ENSXETG00000017114	DCLK2	doublecortin-like kinase 2 [Source:Jamboree;Acc:XB-GENE-960590]	1.2817	0.0012
ENSXETG00000011761	DCTN1	dynactin 1 [Source:Jamboree;Acc:XB-GENE-5933522]	1.1966	0.0284
ENSXETG00000018586	DEGS1	degenerative spermatocyte homolog 1, lipid desaturase [Source:Jamboree;Acc:XB-GENE-946874]	1.2996	0.0073
ENSXETG00000012858	DEGS3	degenerative spermatocyte homolog 3, lipid desaturase [Source:Jamboree;Acc:XB-GENE-5801015]	5.0543	0.0000
ENSXETG00000004425	DENND5A	DENN/MADD domain containing 5A [Source:Jamboree;Acc:XB-GENE-970289]	1.3016	0.0006
ENSXETG00000014264	DFNB31	deafness, autosomal recessive 31 [Source:Jamboree;Acc:XB-GENE-989669]	1.4391	0.0003
ENSXETG00000025317	DGAT2	diacylglycerol O-acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-1017054]	1.6102	0.0000
ENSXETG00000005053	DGKB	diacylglycerol kinase, beta 90kDa [Source:Jamboree;Acc:XB-GENE-5870147]	1.3051	0.0068
ENSXETG00000001324	DGKE	diacylglycerol kinase, epsilon 64kDa [Source:Jamboree;Acc:XB-GENE-990685]	1.4353	0.0000
ENSXETG00000014560	DGKH	diacylglycerol kinase, eta [Source:Jamboree;Acc:XB-GENE-955943]	1.5351	0.0000
ENSXETG00000006052	DHRS7B	dehydrogenase/reductase (SDR family) member 7B [Source:Jamboree;Acc:XB-GENE-946473]	1.3529	0.0046
ENSXETG00000012145	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35 [Source:Jamboree;Acc:XB-GENE-5868299]	1.2901	0.0409
ENSXETG00000000216	DIEXF	digestive organ expansion factor homolog (zebrafish) [Source:Jamboree;Acc:XB-GENE-1002187]	1.3106	0.0005
ENSXETG00000024414	DIO3	deiodinase, iodothyronine, type 3 [Source:Jamboree;Acc:XB-GENE-487490]	18.4225	0.0000
ENSXETG00000000810	DIRAS2	DIRAS family, GTP-binding RAS-like 2 [Source:Jamboree;Acc:XB-GENE-485682]	1.8896	0.0000
ENSXETG00000012022	DIRC2	disrupted in renal carcinoma 2 [Source:Jamboree;Acc:XB-GENE-488397]	1.3109	0.0111
ENSXETG00000015029	DISP1	dispatched homolog 1 [Source:Jamboree;Acc:XB-GENE-1018540]	1.5078	0.0002
ENSXETG00000010185	DIXDC1	DIX domain containing 1 [Source:Jamboree;Acc:XB-GENE-6039929]	1.3555	0.0006
ENSXETG00000003464	DLG1	discs, large homolog 1 [Source:Jamboree;Acc:XB-GENE-1016132]	1.2162	0.0208
ENSXETG00000012737	DLG2	discs, large homolog 2 [Source:Jamboree;Acc:XB-GENE-940638]	1.4432	0.0000
ENSXETG00000007097	DLGAP3	discs, large homolog-associated protein 3 [Source:Jamboree;Acc:XB-GENE-1013367]	1.4615	0.0000
ENSXETG00000007533	DLX1	distal-less homeobox 1 [Source:Jamboree;Acc:XB-GENE-876850]	1.3810	0.0004
ENSXETG00000016572	DLX5	distal-less homeobox 5 [Source:Jamboree;Acc:XB-GENE-853057]	1.3531	0.0060
ENSXETG00000016573	DLX6	distal-less homeobox 6 [Source:Jamboree;Acc:XB-GENE-853184]	1.3417	0.0217
ENSXETG00000018553	DNAH14	dynein, axonemal, heavy chain 14 [Source:Jamboree;Acc:XB-GENE-5960869]	1.5489	0.0015
ENSXETG00000020601	DNAJB1	DnaJ (Hsp40) homolog, subfamily B, member 1 [Source:Jamboree;Acc:XB-GENE-1003017]	1.3185	0.0028
ENSXETG00000013144	DNAJB4	DnaJ (Hsp40) homolog, subfamily B, member 4 [Source:Jamboree;Acc:XB-GENE-1007708]	1.3581	0.0240
ENSXETG00000014155	DNAJB5	DnaJ (Hsp40) homolog, subfamily B, member 5 [Source:Jamboree;Acc:XB-GENE-995211]	1.7928	0.0099
ENSXETG00000021041	DNAJC18	DnaJ (Hsp40) homolog, subfamily C, member 18 [Source:Jamboree;Acc:XB-GENE-5795683]	1.2345	0.0259
ENSXETG00000021184	DNAJC27	DnaJ (Hsp40) homolog, subfamily C, member 27 [Source:Jamboree;Acc:XB-GENE-490420]	1.5157	0.0000
ENSXETG00000000061	DNAL1	dynein, axonemal, light chain 1 [Source:Jamboree;Acc:XB-GENE-983792]	1.3009	0.0095
ENSXETG00000000538	DNM3	dynamin 3 [Source:Jamboree;Acc:XB-GENE-1011531]	1.7816	0.0120
ENSXETG00000001232	DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha [Source:Jamboree;Acc:XB-GENE-959529]	1.4574	0.0000
ENSXETG00000005142	DOCK10	dedicator of cytokinesis 10 [Source:Jamboree;Acc:XB-GENE-1004971]	1.2152	0.0402
ENSXETG00000019922	DOCK2	dedicator of cytokinesis 2 [Source:Jamboree;Acc:XB-GENE-990617]	1.8264	0.0000
ENSXETG00000000074	DOCK3	dedicator of cytokinesis 3 [Source:Jamboree;Acc:XB-GENE-855883]	1.4814	0.0000
ENSXETG00000009251	DOCK4	dedicator of cytokinesis 4 [Source:Jamboree;Acc:XB-GENE-489778]	1.2464	0.0195
ENSXETG00000014119	DOPEY2	dopey family member 2 [Source:Jamboree;Acc:XB-GENE-1217366]	1.3174	0.0016
ENSXETG00000013658	DOT1L	DOT1-like, histone H3 methyltransferase [Source:Jamboree;Acc:XB-GENE-6033925]	1.2994	0.0026
ENSXETG00000021846	DPF3	D4, zinc and double PHD fingers, family 3 [Source:Jamboree;Acc:XB-GENE-6067294]	1.3096	0.0017
ENSXETG00000006574	DPP6	dipeptidyl-peptidase 6 [Source:Jamboree;Acc:XB-GENE-999312]	1.3369	0.0002
ENSXETG00000001227	DPYSL5	dihydropyrimidinase-like 5 [Source:Jamboree;Acc:XB-GENE-6073088]	1.3437	0.0002
ENSXETG00000015632	DSEL	dermatan sulfate epimerase-like [Source:Jamboree;Acc:XB-GENE-993490]	1.3021	0.0184
ENSXETG00000000790	DTD1	D-tyrosyl-tRNA deacylase 1 homolog [Source:Jamboree;Acc:XB-GENE-958228]	1.3814	0.0109
ENSXETG00000001233	DTNB	dystrobrevin, beta [Source:Jamboree;Acc:XB-GENE-979789]	1.2804	0.0407
ENSXETG00000011120	DVL1	dishevelled, dsh homolog 1 [Source:Jamboree;Acc:XB-GENE-483870]	1.2338	0.0163
ENSXETG00000020310	DYM	dymeclin [Source:Jamboree;Acc:XB-GENE-5729291]	1.3505	0.0012
ENSXETG00000019793	EDIL3	EGF-like repeats and discoidin I-like domains 3 [Source:Jamboree;Acc:XB-GENE-853572]	1.3245	0.0008
ENSXETG00000015440	EDN1	endothelin 1 [Source:Jamboree;Acc:XB-GENE-491328]	1.7166	0.0492
ENSXETG00000018387	EDNRB2	endothelin receptor B subtype 2 [Source:Jamboree;Acc:XB-GENE-1219159]	1.7198	0.0000
ENSXETG00000019567	EEF1A2	eukaryotic translation elongation factor 1 alpha 2 [Source:Jamboree;Acc:XB-GENE-975439]	1.2624	0.0043
ENSXETG00000017952	EFCAB5	EF-hand calcium binding domain 5 [Source:Jamboree;Acc:XB-GENE-5821001]	2.5242	0.0040
ENSXETG00000004863	EFCAB6	EF-hand calcium binding domain 6 [Source:Jamboree;Acc:XB-GENE-996672]	1.8266	0.0001
ENSXETG00000014500	EFHA2	EF-hand domain family, member A2 [Source:Jamboree;Acc:XB-GENE-959526]	1.5560	0.0084
ENSXETG00000012127	EFHD1	EF-hand domain family, member D1 [Source:Jamboree;Acc:XB-GENE-5738953]	1.5290	0.0000
ENSXETG00000013467	EFHD2	EF-hand domain family, member D2 [Source:Jamboree;Acc:XB-GENE-954641]	1.2506	0.0418
ENSXETG00000023031	EFR3A	EFR3 homolog A [Source:Jamboree;Acc:XB-GENE-493102]	1.2952	0.0054
ENSXETG00000022070	EHD3	EH-domain containing 3 [Source:Jamboree;Acc:XB-GENE-961795]	1.5023	0.0000
ENSXETG00000015794	EHD4	EH-domain containing 4 [Source:Jamboree;Acc:XB-GENE-1000711]	1.3086	0.0283
ENSXETG00000019631	EIF4E1B	eukaryotic translation initiation factor 4E family member 1B [Source:Jamboree;Acc:XB-GENE-6258261]	1.4025	0.0006
ENSXETG00000009483	EIF4G3	eukaryotic translation initiation factor 4 gamma, 3 [Source:Jamboree;Acc:XB-GENE-1010293]	1.2001	0.0267
ENSXETG00000007361	ELMO1	engulfment and cell motility 1 [Source:Jamboree;Acc:XB-GENE-986985]	1.2352	0.0154
ENSXETG00000014925	ELMOD2	ELMO/CED-12 domain containing 2 [Source:Jamboree;Acc:XB-GENE-998865]	1.3721	0.0107
ENSXETG00000016463	EML2	echinoderm microtubule associated protein like 2 [Source:Jamboree;Acc:XB-GENE-977931]	3.5655	0.0000
ENSXETG00000006002	EML4	echinoderm microtubule associated protein like 4 [Source:Jamboree;Acc:XB-GENE-971027]	1.3279	0.0008
ENSXETG00000007078	ENDOD1	endonuclease domain containing 1 [Source:Jamboree;Acc:XB-GENE-877303]	1.3938	0.0001
ENSXETG00000003134	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 [Source:Jamboree;Acc:XB-GENE-1016186]	1.5585	0.0441
ENSXETG00000019612	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2 [Source:Jamboree;Acc:XB-GENE-5810181]	2.0134	0.0000

ENSXETG00000022015	ENTPD3	ectonucleoside triphosphate diphosphohydrolase 3 [Source:Jamboree;Acc:XB-GENE-1012972]	1.4433	0.0068
ENSXETG00000026167	EPAS1	endothelial PAS domain protein 1 [Source:Jamboree;Acc:XB-GENE-981612]	1.8656	0.0000
ENSXETG00000004959	EPB41L3	erythrocyte membrane protein band 4.1-like 3 [Source:Jamboree;Acc:XB-GENE-1006073]	1.2227	0.0210
ENSXETG00000017584	EPHA6	EPH receptor A6 [Source:Jamboree;Acc:XB-GENE-6032564]	1.6727	0.0000
ENSXETG00000023020	EPHX4	epoxide hydrolase 4 [Source:Jamboree;Acc:XB-GENE-983897]	1.3106	0.0087
ENSXETG00000017691	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin) [Source:Jamboree;Acc:XB-GENE-965638]	1.5704	0.0233
ENSXETG00000022526	EPS8	epidermal growth factor receptor pathway substrate 8 [Source:Jamboree;Acc:XB-GENE-996936]	1.3244	0.0031
ENSXETG00000009409	ERC1	ELKS/RAB6-interacting/CAST family member 1 [Source:Jamboree;Acc:XB-GENE-956039]	1.2866	0.0032
ENSXETG00000012364	ESR1	estrogen receptor 1 [Source:Jamboree;Acc:XB-GENE-482193]	3.8170	0.0283
ENSXETG00000023005	EVI5	ecotropic viral integration site 5 [Source:Jamboree;Acc:XB-GENE-983877]	1.2435	0.0121
ENSXETG00000022868	EVI5L	ecotropic viral integration site 5-like [Source:Jamboree;Acc:XB-GENE-5723194]	1.2336	0.0115
ENSXETG00000007546	EXT2	exostosin 2 [Source:Jamboree;Acc:XB-GENE-867542]	1.2198	0.0208
ENSXETG00000000117	EXTL3	exostoses (multiple)-like 3 [Source:Jamboree;Acc:XB-GENE-855819]	1.2299	0.0176
ENSXETG00000000110	EYA4	eyes absent homolog 4 [Source:Jamboree;Acc:XB-GENE-485487]	1.9674	0.0041
ENSXETG00000024500	FAAH.1	fatty acid amide hydrolase, gene 1 [Source:Jamboree;Acc:XB-GENE-5837110]	1.8034	0.0013
ENSXETG00000004361	FAAH.3	fatty acid amide hydrolase, gene 3 [Source:Jamboree;Acc:XB-GENE-997956]	1.9579	0.0000
ENSXETG00000012916	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) [Source:Jamboree;Acc:XB-GENE-974423]	1.3837	0.0002
ENSXETG00000020393	FAIM2	Fas apoptotic inhibitory molecule 2 [Source:Jamboree;Acc:XB-GENE-953203]	1.4556	0.0000
ENSXETG00000027505	FAM101A	family with sequence similarity 101, member A [Source:Jamboree;Acc:XB-GENE-986501]	1.7085	0.0088
ENSXETG00000022429	FAM101B	family with sequence similarity 101, member B [Source:Jamboree;Acc:XB-GENE-962746]	1.5743	0.0027
ENSXETG00000009948	FAM102B	family with sequence similarity 102, member B [Source:Jamboree;Acc:XB-GENE-976236]	1.2167	0.0442
ENSXETG00000008652	FAM107A	family with sequence similarity 107, member A [Source:Jamboree;Acc:XB-GENE-986180]	1.3632	0.0006
ENSXETG00000019644	FAM110A	family with sequence similarity 110, member A [Source:Jamboree;Acc:XB-GENE-1014258]	1.3107	0.0210
ENSXETG00000016766	FAM110C	family with sequence similarity 110, member C [Source:Jamboree;Acc:XB-GENE-7007322]	1.9236	0.0000
ENSXETG00000007538	FAM134B	family with sequence similarity 134, member B [Source:Jamboree;Acc:XB-GENE-982868]	1.3116	0.0009
ENSXETG00000005119	FAM13C	family with sequence similarity 13, member C [Source:Jamboree;Acc:XB-GENE-954807]	1.2211	0.0218
ENSXETG00000010517	FAM160A2	family with sequence similarity 160, member A2 [Source:Jamboree;Acc:XB-GENE-6040539]	1.2974	0.0017
ENSXETG00000010539	FAM160B2	family with sequence similarity 160, member B2 [Source:Jamboree;Acc:XB-GENE-5801105]	1.3243	0.0108
ENSXETG00000016511	FAM189A1	family with sequence similarity 189, member A1 [Source:Jamboree;Acc:XB-GENE-5873424]	1.2953	0.0409
ENSXETG00000025405	FAM196B	family with sequence similarity 196, member B [Source:HGNC Symbol;Acc:HGNC:37271]	1.8655	0.0000
ENSXETG00000025541	FAM19A5	family with sequence similarity 19 (chemokine (C-C motif)-like), member A5 [Source:Jamboree;Acc:XB-GENE-6077084]	1.2554	0.0100
ENSXETG00000018202	FAM228B	hypothetical protein LOC375190 [Source:Jamboree;Acc:XB-GENE-5880602]	1.3797	0.0151
ENSXETG00000003453	FAM43A	family with sequence similarity 43, member A [Source:Jamboree;Acc:XB-GENE-5860868]	1.3936	0.0001
ENSXETG00000015482	FAM49A	family with sequence similarity 49, member A [Source:Jamboree;Acc:XB-GENE-854180]	1.2998	0.0011
ENSXETG00000017755	FAM49B	family with sequence similarity 49, member B [Source:Jamboree;Acc:XB-GENE-1013479]	1.2100	0.0287
ENSXETG00000022986	FAM5C	family with sequence similarity 5, member C [Source:Jamboree;Acc:XB-GENE-985662]	1.4728	0.0000
ENSXETG00000010848	FAM63B	family with sequence similarity 63, member B [Source:Jamboree;Acc:XB-GENE-990463]	1.2627	0.0227
ENSXETG00000023002	FAM69A	family with sequence similarity 69, member A [Source:Jamboree;Acc:XB-GENE-951303]	1.4384	0.0003
ENSXETG00000001478	FAM78A	family with sequence similarity 78, member A [Source:Jamboree;Acc:XB-GENE-1012292]	1.8287	0.0016
ENSXETG00000013724	FAM82B	family with sequence similarity 82, member B [Source:Jamboree;Acc:XB-GENE-974332]	1.2889	0.0497
ENSXETG00000022667	FAM83G	family with sequence similarity 83, member G [Source:Jamboree;Acc:XB-GENE-6258742]	3.6823	0.0000
ENSXETG00000003046	FANCM	Fanconi anemia, complementation group M [Source:Jamboree;Acc:XB-GENE-994655]	1.3144	0.0210
ENSXETG00000022551	FANK1	fibronectin type III and ankyrin repeat domains 1 [Source:Jamboree;Acc:XB-GENE-6084370]	2.1009	0.0000
ENSXETG00000019666	FASN	fatty acid synthase [Source:Jamboree;Acc:XB-GENE-1002983]	1.3197	0.0267
ENSXETG00000015532	FBXL16	F-box and leucine-rich repeat protein 16 [Source:Jamboree;Acc:XB-GENE-5821642]	1.2585	0.0075
ENSXETG00000015463	FBXL3	F-box and leucine-rich repeat protein 3 [Source:Jamboree;Acc:XB-GENE-1014531]	1.3513	0.0479
ENSXETG00000011776	FBXO41	F-box protein 41 [Source:Jamboree;Acc:XB-GENE-966908]	1.4319	0.0000
ENSXETG00000016431	FCHO1	FCH domain only 1 [Source:Jamboree;Acc:XB-GENE-5946032]	1.2640	0.0089
ENSXETG00000022748	FEZF1	FEZ family zinc finger 1 [Source:Jamboree;Acc:XB-GENE-985988]	1.3207	0.0170
ENSXETG00000019566	FGF1	fibroblast growth factor 1 (acidic) [Source:Jamboree;Acc:XB-GENE-485966]	2.7010	0.0000
ENSXETG00000002144	FGF12	fibroblast growth factor 12 [Source:Jamboree;Acc:XB-GENE-479999]	1.4725	0.0000
ENSXETG00000008887	FGGY	FGGY carbohydrate kinase domain containing [Source:Jamboree;Acc:XB-GENE-5811009]	2.0258	0.0000
ENSXETG00000022912	FHL3	four and a half LIM domains 3 [Source:Jamboree;Acc:XB-GENE-947662]	1.4227	0.0477
ENSXETG00000001469	FIBCD1	fibrinogen C domain containing 1 [Source:Jamboree;Acc:XB-GENE-483361]	1.3237	0.0004
ENSXETG00000023205	FKBP8	FK506 binding protein 8, 38kDa [Source:Jamboree;Acc:XB-GENE-958351]	1.2381	0.0261
ENSXETG00000000916	FKTN	fukutin [Source:Jamboree;Acc:XB-GENE-971788]	1.2746	0.0123
ENSXETG00000024085	FLOT1	flotillin 1 [Source:Jamboree;Acc:XB-GENE-488586]	1.2014	0.0292
ENSXETG00000014366	FLVCR1	feline leukemia virus subgroup C cellular receptor 1 [Source:Jamboree;Acc:XB-GENE-6050557]	1.5569	0.0000
ENSXETG00000010132	FNDC3A.2	fibronectin type III domain containing 3A [Source:Jamboree;Acc:XB-GENE-5957601]	1.2745	0.0084
ENSXETG00000023615	FNDC3B	fibronectin type III domain containing 3B [Source:Jamboree;Acc:XB-GENE-948478]	1.3180	0.0172
ENSXETG00000016404	FNDC4	fibronectin type III domain containing 4 [Source:Jamboree;Acc:XB-GENE-997773]	1.7076	0.0000
ENSXETG00000010247	FOXG1	forkhead box G1 [Source:Jamboree;Acc:XB-GENE-480076]	6.9643	0.0000
ENSXETG00000016048	FOXO1	forkhead box O1 [Source:Jamboree;Acc:XB-GENE-482528]	1.9258	0.0000
ENSXETG00000012944	FOXO6	forkhead box O6 [Source:Jamboree;Acc:XB-GENE-482993]	1.8616	0.0000
ENSXETG00000021565	FOXR1	forkhead box R1 [Source:Jamboree;Acc:XB-GENE-484980]	1.3225	0.0034
ENSXETG00000002245	FRMPD1	FERM and PDZ domain containing 1 [Source:Jamboree;Acc:XB-GENE-954374]	1.4111	0.0001
ENSXETG00000018128	FRMPD3	FERM and PDZ domain containing 3 [Source:Jamboree;Acc:XB-GENE-994486]	1.2613	0.0047
ENSXETG00000005344	FRMPD4	FERM and PDZ domain containing 4 [Source:Jamboree;Acc:XB-GENE-6050308]	1.2894	0.0025
ENSXETG00000007501	FSCN1	fascin homolog 1, actin-bundling protein [Source:Jamboree;Acc:XB-GENE-488979]	1.2940	0.0010
ENSXETG00000022970	FSTL3	follistatin-like 3 (secreted glycoprotein) [Source:Jamboree;Acc:XB-GENE-876426]	2.1221	0.0000
ENSXETG00000001061	FUT9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase) [Source:Jamboree;Acc:XB-GENE-966137]	1.6264	0.0037
ENSXETG00000026514	FXYD1	FXYD domain containing ion transport regulator 1 [Source:Jamboree;Acc:XB-GENE-5747387]	1.4617	0.0265
ENSXETG00000012404	FZD7	frizzled family receptor 7 [Source:Jamboree;Acc:XB-GENE-483731]	1.2129	0.0379
ENSXETG00000010338	FZD9	frizzled family receptor 9 [Source:Jamboree;Acc:XB-GENE-478317]	1.3539	0.0306
ENSXETG00000018917	GABBR2	gamma-aminobutyric acid (GABA) B receptor, 2 [Source:Jamboree;Acc:XB-GENE-5815161]	1.2360	0.0099
ENSXETG00000008421	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2 [Source:Jamboree;Acc:XB-GENE-1000398]	1.3717	0.0001
ENSXETG00000026177	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3 [Source:Jamboree;Acc:XB-GENE-992774]	1.4695	0.0003
ENSXETG00000010239	GABRA6	gamma-aminobutyric acid (GABA) A receptor, alpha 6 [Source:Jamboree;Acc:XB-GENE-6049732]	1.7159	0.0256
ENSXETG00000026517	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa) [Source:Jamboree;Acc:XB-GENE-976598]	1.2251	0.0098
ENSXETG00000008481	GALNT10	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10) [Source:Jamboree;Acc:XB-GENE-1010672]	1.6864	0.0123
ENSXETG00000021716	GALNT13	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13) [Source:Jamboree;Acc:XB-GENE-1012445]	1.2865	0.0046
ENSXETG00000014693	GALR1	galanin receptor 1 [Source:Jamboree;Acc:XB-GENE-5797254]	2.2283	0.0000
ENSXETG00000005421	GCGR	glucagon receptor [Source:Jamboree;Acc:XB-GENE-5918476]	3.4685	0.0322
ENSXETG00000001073	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group) [Source:Jamboree;Acc:XB-GENE-490633]	2.0952	0.0000
ENSXETG00000021746	GDE1	glycerophosphodiester phosphodiesterase 1 [Source:Jamboree;Acc:XB-GENE-976293]	1.5135	0.0000
ENSXETG00000025401	GFOD1	glucose-fructose oxidoreductase domain containing 1 [Source:Jamboree;Acc:XB-GENE-947602]	1.2800	0.0297
ENSXETG00000008199	GFPT1	glutamine--fructose-6-phosphate transaminase 1 [Source:Jamboree;Acc:XB-GENE-493902]	1.3084	0.0029
ENSXETG00000023804	GFRA1	GDNF family receptor alpha 1 [Source:Jamboree;Acc:XB-GENE-1013855]	1.2361	0.0130
ENSXETG00000027253	GGT6	gamma-glutamyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:26891]	1.7087	0.0053
ENSXETG00000003984	GH2	growth hormone 2 [Source:Jamboree;Acc:XB-GENE-5872064]	1.6774	0.0459
ENSXETG00000009445	GIT1	G protein-coupled receptor kinase interacting ArfGAP 1 [Source:Jamboree;Acc:XB-GENE-956125]	1.2160	0.0251
ENSXETG00000024391	GJD3	gap junction protein, delta 3, 31.9kDa [Source:Jamboree;Acc:XB-GENE-994165]	1.5531	0.0057
ENSXETG00000007825	GLCE	glucuronic acid epimerase [Source:Jamboree;Acc:XB-GENE-1010934]	1.5102	0.0009
ENSXETG00000022458	GLOD4	glyoxalase domain containing 4 [Source:Jamboree;Acc:XB-GENE-5787484]	1.2276	0.0184
ENSXETG00000001966	GLRA1	glycine receptor, alpha 1 [Source:Jamboree;Acc:XB-GENE-6035798]	1.7062	0.0041
ENSXETG00000019636	GLT8D2	glycosyltransferase 8 domain containing 2 [Source:Jamboree;Acc:XB-GENE-991092]	2.5006	0.0386
ENSXETG00000019419	GM2A	GM2 ganglioside activator [Source:Jamboree;Acc:XB-GENE-999131]	1.2918	0.0079
ENSXETG00000012224	GMFB	glia maturation factor, beta [Source:Jamboree;Acc:XB-GENE-6077246]	1.4887	0.0000
ENSXETG00000026842	GNG7	guanine nucleotide binding protein (G protein), gamma 7 [Source:Jamboree;Acc:XB-GENE-969601]	1.2140	0.0215
ENSXETG00000004172	GNPDA1	glucosamine-6-phosphate deaminase 1 [Source:Jamboree;Acc:XB-GENE-966376]	1.4974	0.0095
ENSXETG00000008437	GNPDA2	glucosamine-6-phosphate deaminase 2 [Source:Jamboree;Acc:XB-GENE-983383]	1.2283	0.0419
ENSXETG00000010147	GNRH1	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) [Source:Jamboree;Acc:XB-GENE-960286]	2.1534	0.0226

ENSXETG00000017726	GNRHR2	gonadotropin-releasing hormone (type 2) receptor 2 [Source:Jamboree;Acc:XB-GENE-5867415]	2.1042	0.0297
ENSXETG00000023849	GOLGA3	golgin A3 [Source:Jamboree;Acc:XB-GENE-963702]	1.2079	0.0309
ENSXETG00000004245	GORASP1	golgi reassembly stacking protein 1, 65kDa [Source:Jamboree;Acc:XB-GENE-976361]	1.7020	0.0000
ENSXETG00000024015	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-1011134]	1.4700	0.0000
ENSXETG00000021597	GPER	G protein-coupled estrogen receptor 1 [Source:Jamboree;Acc:XB-GENE-1006475]	1.9323	0.0002
ENSXETG00000002361	GPI	glucose-6-phosphate isomerase [Source:Jamboree;Acc:XB-GENE-944058]	1.2799	0.0045
ENSXETG00000007393	GPNMB	glycoprotein (transmembrane) nmb [Source:Jamboree;Acc:XB-GENE-983263]	3.6027	0.0000
ENSXETG00000014782	GPR123	G protein-coupled receptor 123 [Source:Jamboree;Acc:XB-GENE-6044828]	1.6844	0.0019
ENSXETG00000009348	GPR133	G protein-coupled receptor 133 [Source:Jamboree;Acc:XB-GENE-980829]	1.9638	0.0000
ENSXETG00000001066	GPR63	G protein-coupled receptor 63 [Source:Jamboree;Acc:XB-GENE-1002460]	1.3736	0.0004
ENSXETG00000015416	GPR78	G protein-coupled receptor 78 [Source:Jamboree;Acc:XB-GENE-5799776]	1.3238	0.0008
ENSXETG00000013240	GPR88	G protein-coupled receptor 88 [Source:Jamboree;Acc:XB-GENE-984668]	1.9874	0.0040
ENSXETG00000003149	GREB1L	growth regulation by estrogen in breast cancer-like [Source:Jamboree;Acc:XB-GENE-5965356]	1.8726	0.0000
ENSXETG00000001922	GRIA1	glutamate receptor, ionotropic, AMPA 1 [Source:Jamboree;Acc:XB-GENE-995621]	1.1771	0.0471
ENSXETG00000021373	GRIA4	glutamate receptor, ionotrophic, AMPA 4 [Source:Jamboree;Acc:XB-GENE-5838893]	1.5451	0.0000
ENSXETG00000021607	GRIN3B	glutamate receptor, ionotropic, N-methyl-D-aspartate 3B [Source:Jamboree;Acc:XB-GENE-990106]	1.8108	0.0024
ENSXETG00000007892	GRM1	glutamate receptor, metabotropic 1 [Source:Jamboree;Acc:XB-GENE-980107]	1.6877	0.0001
ENSXETG00000005426	GRM3	glutamate receptor, metabotropic 3 [Source:Jamboree;Acc:XB-GENE-977445]	1.6647	0.0000
ENSXETG00000015711	GRM7	glutamate receptor, metabotropic 7 [Source:Jamboree;Acc:XB-GENE-6036083]	1.2271	0.0251
ENSXETG00000000130	GSG1L	GSG1-like [Source:Jamboree;Acc:XB-GENE-5832503]	2.1678	0.0000
ENSXETG00000018328	GSG1L	GSG1-like [Source:HGNC Symbol;Acc:HGNC:28283]	1.8716	0.0052
ENSXETG00000007470	GSS	glutathione synthetase [Source:Jamboree;Acc:XB-GENE-976512]	1.2719	0.0092
ENSXETG00000014780	GTF2F2	general transcription factor IIF, polypeptide 2, 30kDa [Source:RefSeq peptide;Acc:NP_988987]	1.6607	0.0000
ENSXETG00000022399	GUCY1B3	guanylate cyclase 1, soluble, beta 3 [Source:Jamboree;Acc:XB-GENE-950986]	1.3644	0.0001
ENSXETG00000010782	GULP1	GULP, engulfment adaptor PTB domain containing 1 [Source:Jamboree;Acc:XB-GENE-968617]	1.4599	0.0028
ENSXETG00000005003	GYG2	glycogenin 2 [Source:Jamboree;Acc:XB-GENE-5854708]	1.5280	0.0000
ENSXETG00000018082	HAO2	hydroxyacid oxidase 2 (long chain) [Source:Jamboree;Acc:XB-GENE-979509]	1.7724	0.0105
ENSXETG00000019797	HAPLN1	hyaluronan and proteoglycan link protein 1 [Source:Jamboree;Acc:XB-GENE-6037477]	1.5418	0.0013
ENSXETG00000017714	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1 [Source:Jamboree;Acc:XB-GENE-950265]	1.2724	0.0088
ENSXETG00000017651	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3 [Source:Jamboree;Acc:XB-GENE-6071710]	1.3129	0.0005
ENSXETG00000001622	HCRTR2	hypocretin (orexin) receptor 2 [Source:Jamboree;Acc:XB-GENE-952341]	1.4837	0.0000
ENSXETG00000023477	HDHD3	haloacid dehalogenase-like hydrolase domain containing 3 [Source:Jamboree;Acc:XB-GENE-969463]	1.7065	0.0000
ENSXETG00000005685	HEATR7A	HEAT repeat containing 7A [Source:Jamboree;Acc:XB-GENE-6038828]	1.6085	0.0107
ENSXETG00000023714	HELZ2	helicase with zinc finger 2, transcriptional coactivator [Source:HGNC Symbol;Acc:HGNC:30021]	1.6344	0.0087
ENSXETG00000000079	HEMK1	HemK methyltransferase family member 1 [Source:Jamboree;Acc:XB-GENE-854934]	1.2411	0.0204
ENSXETG00000003936	HEPACAM	hepatic and glial cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-6051119]	1.4820	0.0000
ENSXETG00000007872	HGF	hepatocyte growth factor (hepapoietin A; scatter factor) [Source:Jamboree;Acc:XB-GENE-999992]	1.2981	0.0016
ENSXETG00000006171	HIGD1A	HIG1 hypoxia inducible domain family, member 1A [Source:Jamboree;Acc:XB-GENE-974391]	1.2378	0.0412
ENSXETG00000025166	HIGD1C	HIG1 hypoxia inducible domain family, member 1C [Source:Jamboree;Acc:XB-GENE-5935687]	1.3895	0.0005
ENSXETG00000012923	HIVEP3	human immunodeficiency virus type I enhancer binding protein 3 [Source:Jamboree;Acc:XB-GENE-482557]	1.7975	0.0000
ENSXETG00000008860	HK1	hexokinase 1 [Source:Jamboree;Acc:XB-GENE-944850]	1.2140	0.0243
ENSXETG00000019639	HK2	hexokinase 2 [Source:Jamboree;Acc:XB-GENE-5817381]	3.4078	0.0000
ENSXETG00000025586	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:Jamboree;Acc:XB-GENE-945971]	1.5415	0.0079
ENSXETG00000004316	HLF	hepatic leukemia factor [Source:Jamboree;Acc:XB-GENE-955698]	2.8334	0.0000
ENSXETG00000024014	HM13	histocompatibility (minor) 13 [Source:Jamboree;Acc:XB-GENE-5941398]	1.6369	0.0018
ENSXETG00000007070	HMGCLL1	3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1 [Source:Jamboree;Acc:XB-GENE-952336]	1.4694	0.0000
ENSXETG00000016587	HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble) [Source:Jamboree;Acc:XB-GENE-942074]	1.4475	0.0000
ENSXETG00000014986	HMOX2	heme oxygenase (decycling) 2 [Source:Jamboree;Acc:XB-GENE-948111]	1.4678	0.0007
ENSXETG00000014875	HNMT	histamine N-methyltransferase [Source:Jamboree;Acc:XB-GENE-1001069]	1.3865	0.0009
ENSXETG00000003521	HPCAL1	hippocalcin-like 1 [Source:Jamboree;Acc:XB-GENE-947040]	2.0462	0.0075
ENSXETG00000002004	HRH3	histamine receptor H3 [Source:Jamboree;Acc:XB-GENE-958016]	1.3993	0.0403
ENSXETG00000013450	HS2ST1	heparan sulfate 2-O-sulfotransferase 1 [Source:Jamboree;Acc:XB-GENE-5953192]	1.3463	0.0004
ENSXETG00000012416	HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2 [Source:Jamboree;Acc:XB-GENE-980910]	1.5020	0.0001
ENSXETG00000020230	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5 [Source:Jamboree;Acc:XB-GENE-5795358]	1.4716	0.0000
ENSXETG00000004076	HS6ST3	heparan sulfate 6-O-sulfotransferase 3 [Source:Jamboree;Acc:XB-GENE-987159]	1.4218	0.0007
ENSXETG00000014342	HSD11B1L	hydroxysteroid (11-beta) dehydrogenase 1-like [Source:Jamboree;Acc:XB-GENE-5851849]	1.2171	0.0176
ENSXETG00000004411	HSD17B6	hydroxysteroid (17-beta) dehydrogenase 6 homolog [Source:Jamboree;Acc:XB-GENE-5821225]	1.8619	0.0004
ENSXETG00000001913	HSD3B7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7 [Source:Jamboree;Acc:XB-GENE-1008841]	1.2446	0.0050
ENSXETG00000024078	HSP70	heat shock 70kDa protein [Source:Jamboree;Acc:XB-GENE-485626]	1.7066	0.0367
ENSXETG00000010251	HSP90AA1.1	heat shock protein 90kDa alpha (cytosolic), class A member 1, gene 1 [Source:Jamboree;Acc:XB-GENE-495303]	1.3468	0.0020
ENSXETG00000014317	HSPA12A	heat shock 70kDa protein 12A [Source:Jamboree;Acc:XB-GENE-959285]	1.6686	0.0000
ENSXETG00000005851	HSPA13	heat shock protein 70kDa family, member 13 [Source:Jamboree;Acc:XB-GENE-963595]	1.3367	0.0102
ENSXETG00000004097	HSPA1A	heat shock 70kDa protein 1A [Source:Jamboree;Acc:XB-GENE-5842877]	1.3735	0.0003
ENSXETG00000014192	HTATIP2	HIV-1 Tat interactive protein 2, 30kDa [Source:Jamboree;Acc:XB-GENE-946974]	1.2965	0.0175
ENSXETG00000024787	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C [Source:Jamboree;Acc:XB-GENE-967634]	1.2752	0.0308
ENSXETG00000019373	HTR4	5-hydroxytryptamine (serotonin) receptor 4 [Source:Jamboree;Acc:XB-GENE-993770]	1.4590	0.0148
ENSXETG00000006585	HTR5A	5-hydroxytryptamine (serotonin) receptor 5A [Source:Jamboree;Acc:XB-GENE-981825]	1.2412	0.0280
ENSXETG00000015580	HTRA1	HtrA serine peptidase 1 [Source:Jamboree;Acc:XB-GENE-487699]	1.5865	0.0000
ENSXETG00000010075	HYOU1	hypoxia up-regulated 1 [Source:Jamboree;Acc:XB-GENE-921821]	1.2987	0.0360
ENSXETG00000026411	IFFO1	intermediate filament family orphan 1 [Source:Jamboree;Acc:XB-GENE-940026]	1.2755	0.0056
ENSXETG00000013176	IFIH1	interferon induced with helicase C domain 1 [Source:Jamboree;Acc:XB-GENE-1011111]	2.2365	0.0138
ENSXETG00000021818	IFIT5	interferon-induced protein with tetratricopeptide repeats 5 [Source:Jamboree;Acc:XB-GENE-5842099]	2.0963	0.0001
ENSXETG00000006711	IFITM3	interferon induced transmembrane protein 3 [Source:Jamboree;Acc:XB-GENE-5852510]	1.5746	0.0087
ENSXETG00000001463	IFT122	intraflagellar transport 122 homolog [Source:Jamboree;Acc:XB-GENE-966865]	1.2379	0.0430
ENSXETG00000019875	IGFBP2	insulin-like growth factor binding protein 2, 36kDa [Source:Jamboree;Acc:XB-GENE-487299]	1.3584	0.0099
ENSXETG00000019879	IGFBP5	insulin-like growth factor binding protein 5 [Source:Jamboree;Acc:XB-GENE-485073]	1.6401	0.0001
ENSXETG00000014224	IGSF21	immunoglobin superfamily, member 21 [Source:Jamboree;Acc:XB-GENE-5948979]	1.2442	0.0108
ENSXETG00000003127	IKZF2	IKAROS family zinc finger 2 (Helios) [Source:Jamboree;Acc:XB-GENE-1013632]	2.7848	0.0000
ENSXETG00000005423	IL13RA1	interleukin 13 receptor, alpha 1 [Source:HGNC Symbol;Acc:HGNC:5974]	2.2067	0.0000
ENSXETG00000005659	IMPAD1	inositol monophosphatase domain containing 1 [Source:Jamboree;Acc:XB-GENE-5751033]	1.2634	0.0169
ENSXETG00000001861	INHBA	inhibin, beta A [Source:HGNC Symbol;Acc:HGNC:6066]	4.4251	0.0000
ENSXETG00000017149	INHBC.1	inhibin, beta C, gene 1 [Source:Jamboree;Acc:XB-GENE-494358]	1.9287	0.0290
ENSXETG00000028050	INMT	indolethylamine N-methyltransferase [Source:Jamboree;Acc:XB-GENE-5748510]	2.9352	0.0388
ENSXETG00000019407	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa [Source:Jamboree;Acc:XB-GENE-1012982]	1.2240	0.0169
ENSXETG00000021313	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa [Source:Jamboree;Acc:XB-GENE-949180]	1.5218	0.0000
ENSXETG00000013875	INPP5D	inositol polyphosphate-5-phosphatase, 145kDa [Source:Jamboree;Acc:XB-GENE-6071358]	1.4714	0.0060
ENSXETG00000016154	INPP5J	inositol polyphosphate-5-phosphatase J [Source:Jamboree;Acc:XB-GENE-984978]	1.2710	0.0044
ENSXETG00000013492	INSIG1	insulin induced gene 1 [Source:Jamboree;Acc:XB-GENE-487039]	1.5462	0.0000
ENSXETG00000002917	INSM2	insulinoma-associated 2 [Source:Jamboree;Acc:XB-GENE-986609]	2.1299	0.0019
ENSXETG00000005955	IP6K1	inositol hexaphosphate kinase 1 [Source:Jamboree;Acc:XB-GENE-921615]	1.2496	0.0107
ENSXETG00000003339	IQGAP2	IQ motif containing GTPase activating protein 2 [Source:Jamboree;Acc:XB-GENE-5752023]	1.2264	0.0174
ENSXETG00000007177	IQSEC2	IQ motif and Sec7 domain 2 [Source:Jamboree;Acc:XB-GENE-6035762]	1.2710	0.0039
ENSXETG00000002863	IRF3	interferon regulatory factor 3 [Source:Jamboree;Acc:XB-GENE-1013733]	1.3189	0.0303
ENSXETG00000018674	IRF6	interferon regulatory factor 6 [Source:Jamboree;Acc:XB-GENE-876410]	2.1682	0.0000
ENSXETG00000018661	IRF6.2	interferon regulatory factor 6, gene 2 [Source:Jamboree;Acc:XB-GENE-5910331]	2.7061	0.0337
ENSXETG00000025004	ITFG1	integrin alpha FG-GAP repeat containing 1 [Source:Jamboree;Acc:XB-GENE-5735764]	1.4680	0.0000
ENSXETG00000007816	ITGA11	integrin, alpha 11 [Source:Jamboree;Acc:XB-GENE-483822]	2.0762	0.0022
ENSXETG00000005808	ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide) [Source:Jamboree;Acc:XB-GENE-1013152]	1.3893	0.0010
ENSXETG00000027280	ITM2A	integral membrane protein 2A [Source:Jamboree;Acc:XB-GENE-1008613]	1.2098	0.0268
ENSXETG00000005153	ITPR1	inositol 1,4,5-trisphosphate receptor, type 1 [Source:Jamboree;Acc:XB-GENE-920765]	1.2658	0.0030
ENSXETG00000016448	ITPR2	inositol 1,4,5-trisphosphate receptor, type 2 [Source:Jamboree;Acc:XB-GENE-877157]	2.1909	0.0000
ENSXETG00000011601	JAKMIP1	janus kinase and microtubule interacting protein 1 [Source:Jamboree;Acc:XB-GENE-991323]	1.5913	0.0014
ENSXETG00000017402	JPH3	junctophilin 3 [Source:Jamboree;Acc:XB-GENE-987974]	1.2158	0.0293
ENSXETG00000010199	JUND.2	jun D proto-oncogene, gene 2 [Source:Jamboree;Acc:XB-GENE-1021801]	1.4722	0.0017
ENSXETG00000002303	KAT2A	K(lysine) acetyltransferase 2A [Source:Jamboree;Acc:XB-GENE-992487]	1.2520	0.0253

ENSXETG00000013469	KAZN	kazrin, periplakin interacting protein [Source:Jamboree;Acc:XB-GENE-1012688]	1.2327	0.0106
ENSXETG00000021386	KBTBD3	kelch repeat and BTB (POZ) domain containing 3 [Source:Jamboree;Acc:XB-GENE-6044137]	1.5728	0.0000
ENSXETG00000017753	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3 [Source:Jamboree;Acc:XB-GENE-991578]	1.2842	0.0486
ENSXETG00000018247	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4 [Source:Jamboree;Acc:XB-GENE-492827]	1.6555	0.0000
ENSXETG00000008488	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6 [Source:Jamboree;Acc:XB-GENE-1010669]	1.4059	0.0006
ENSXETG00000012263	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1 [Source:Jamboree;Acc:XB-GENE-950688]	1.4915	0.0198
ENSXETG00000002027	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4 [Source:Jamboree;Acc:XB-GENE-6032635]	1.4781	0.0001
ENSXETG00000012308	KCNG1	potassium voltage-gated channel, subfamily G, member 1 [Source:Jamboree;Acc:XB-GENE-1011042]	1.5559	0.0000
ENSXETG00000000858	KCNG2	potassium voltage-gated channel, subfamily G, member 2 [Source:Jamboree;Acc:XB-GENE-954003]	1.9681	0.0000
ENSXETG00000001079	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3 [Source:HGNC Symbol;Acc:HGNC:6252]	1.3523	0.0019
ENSXETG00000014005	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8 [Source:Jamboree;Acc:XB-GENE-981673]	1.3910	0.0006
ENSXETG00000014462	KCNIP2	Kv channel interacting protein 2 [Source:Jamboree;Acc:XB-GENE-988846]	1.3060	0.0030
ENSXETG00000016610	KCNK10	potassium channel, subfamily K, member 10 [Source:Jamboree;Acc:XB-GENE-950562]	1.6418	0.0000
ENSXETG00000022828	KCNK15	potassium channel, subfamily K, member 15 [Source:Jamboree;Acc:XB-GENE-6065312]	2.5528	0.0055
ENSXETG00000011382	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4 [Source:Jamboree;Acc:XB-GENE-1016303]	1.3577	0.0151
ENSXETG00000006930	KCTD1	potassium channel tetramerisation domain containing 1 [Source:Jamboree;Acc:XB-GENE-6076050]	1.3575	0.0005
ENSXETG00000015471	KCTD12	potassium channel tetramerisation domain containing 12 [Source:Jamboree;Acc:XB-GENE-998762]	1.4199	0.0000
ENSXETG00000010449	KCTD14	potassium channel tetramerisation domain containing 14 [Source:Jamboree;Acc:XB-GENE-5816880]	2.4956	0.0000
ENSXETG00000015636	KDM6B	lysine (K)-specific demethylase 6B [Source:Jamboree;Acc:XB-GENE-6067077]	1.4696	0.0000
ENSXETG00000011638	KEAP1	kelch-like ECH-associated protein 1 [Source:Jamboree;Acc:XB-GENE-957785]	1.2817	0.0089
ENSXETG00000004451	KHDRBS2	KH domain containing, RNA binding, signal transduction associated 2 [Source:Jamboree;Acc:XB-GENE-490722]	1.3293	0.0033
ENSXETG00000017409	KIAA0513	KIAA0513 [Source:Jamboree;Acc:XB-GENE-5956311]	1.2151	0.0307
ENSXETG00000013115	KIAA0895	KIAA0895 protein [Source:Jamboree;Acc:XB-GENE-5831988]	1.3321	0.0039
ENSXETG00000012981	KIAA1199	KIAA1199 [Source:Jamboree;Acc:XB-GENE-6048265]	2.6187	0.0000
ENSXETG00000005906	KIAA1217	KIAA1217 [Source:Jamboree;Acc:XB-GENE-6048493]	1.5650	0.0000
ENSXETG00000005417	KIAA1324L	KIAA1324-like [Source:Jamboree;Acc:XB-GENE-5954588]	1.3977	0.0053
ENSXETG00000006354	KIAA1370	KIAA1370 [Source:Jamboree;Acc:XB-GENE-5816685]	1.3866	0.0002
ENSXETG00000002660	KIAA1462	KIAA1462 [Source:HGNC Symbol;Acc:HGNC:29283]	1.3986	0.0039
ENSXETG00000013078	KIAA2013	KIAA2013 [Source:Jamboree;Acc:XB-GENE-955403]	1.3248	0.0124
ENSXETG00000012830	KIF19	kinesin family member 19 [Source:Jamboree;Acc:XB-GENE-5954822]	1.2090	0.0346
ENSXETG00000012138	KIF1A	kinesin family member 1A [Source:Jamboree;Acc:XB-GENE-960470]	1.3042	0.0157
ENSXETG00000015558	KIF21A	kinesin family member 21A [Source:Jamboree;Acc:XB-GENE-1010599]	1.2070	0.0304
ENSXETG00000004164	KIF3A	kinesin family member 3A [Source:Jamboree;Acc:XB-GENE-986464]	1.2429	0.0131
ENSXETG00000024790	KIF3C	kinesin family member 3C [Source:Jamboree;Acc:XB-GENE-959437]	1.3251	0.0037
ENSXETG00000006230	KIF5A	kinesin family member 5A [Source:Jamboree;Acc:XB-GENE-983714]	1.2140	0.0289
ENSXETG00000011658	KIF5B	kinesin family member 5B [Source:Jamboree;Acc:XB-GENE-854737]	1.2443	0.0138
ENSXETG00000018476	KLF3	Kruppel-like factor 3 (basic) [Source:Jamboree;Acc:XB-GENE-961742]	1.4183	0.0166
ENSXETG00000005739	KLF4	Kruppel-like factor 4 (gut) [Source:Jamboree;Acc:XB-GENE-1015049]	1.8331	0.0003
ENSXETG00000019051	KLF9	Kruppel-like factor 9 [Source:Jamboree;Acc:XB-GENE-483889]	16.1002	0.0000
ENSXETG00000003672	KLHL13	kelch-like 13 [Source:Jamboree;Acc:XB-GENE-923144]	1.2828	0.0097
ENSXETG00000008873	KNDC1	kinase non-catalytic C-lobe domain (KIND) containing 1 [Source:Jamboree;Acc:XB-GENE-6258227]	1.4227	0.0003
ENSXETG00000021354	KSR1	kinase suppressor of ras 1 [Source:Jamboree;Acc:XB-GENE-1004628]	1.3582	0.0016
ENSXETG00000015953	LACTB2	lactamase, beta 2 [Source:Jamboree;Acc:XB-GENE-954710]	1.3704	0.0376
ENSXETG00000007336	LAMA4	laminin, alpha 4 [Source:Jamboree;Acc:XB-GENE-1004770]	1.5321	0.0080
ENSXETG00000008622	LAMB2	laminin, beta 2 (laminin S) [Source:Jamboree;Acc:XB-GENE-5935962]	1.9924	0.0000
ENSXETG00000006918	LANCL1	LanC lantibiotic synthetase component C-like 1 (bacterial) [Source:Jamboree;Acc:XB-GENE-997210]	1.2515	0.0307
ENSXETG00000018623	LANCL3	LanC lantibiotic synthetase component C-like 3 (bacterial) [Source:Jamboree;Acc:XB-GENE-961538]	1.3461	0.0092
ENSXETG00000020339	LDB2	LIM domain binding 2 [Source:Jamboree;Acc:XB-GENE-490279]	1.4231	0.0000
ENSXETG00000013957	LDHA	lactate dehydrogenase A [Source:Jamboree;Acc:XB-GENE-480608]	1.3892	0.0009
ENSXETG00000009635	LETMD1	LETM1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-962658]	1.3531	0.0001
ENSXETG00000015995	LGALS1	lectin, galactoside-binding, soluble, 1 [Source:Jamboree;Acc:XB-GENE-971978]	3.9584	0.0000
ENSXETG00000019079	LGALS9B	lectin, galactoside-binding, soluble, 9B [Source:Jamboree;Acc:XB-GENE-5926948]	1.6343	0.0005
ENSXETG00000003729	LGI1	leucine-rich, glioma inactivated 1 [Source:Jamboree;Acc:XB-GENE-954918]	1.2552	0.0070
ENSXETG00000002120	LGI2	leucine-rich repeat LGI family, member 2 [Source:Jamboree;Acc:XB-GENE-995134]	1.7058	0.0000
ENSXETG00000025680	LHFPL3	lipoma HMGIC fusion partner-like 3 [Source:Jamboree;Acc:XB-GENE-6033769]	1.3842	0.0001
ENSXETG00000017857	LHFPL4	lipoma HMGIC fusion partner-like 4 [Source:Jamboree;Acc:XB-GENE-1013189]	1.2891	0.0014
ENSXETG00000016325	LHX6	LIM homeobox 6 [Source:Jamboree;Acc:XB-GENE-493341]	1.8949	0.0041
ENSXETG00000001552	LINGO2	leucine rich repeat and Ig domain containing 2 [Source:Jamboree;Acc:XB-GENE-922286]	1.3916	0.0005
ENSXETG00000002132	LINGO4	leucine rich repeat and Ig domain containing 4 [Source:Jamboree;Acc:XB-GENE-6464195]	3.8683	0.0000
ENSXETG00000021134	LMAN1L	lectin, mannose-binding, 1 like [Source:Jamboree;Acc:XB-GENE-5754170]	3.8725	0.0266
ENSXETG00000011184	LMBR1L	limb region 1 homolog-like [Source:Jamboree;Acc:XB-GENE-5859052]	1.2671	0.0105
ENSXETG00000024039	LMTK2	lemur tyrosine kinase 2 [Source:Jamboree;Acc:XB-GENE-980913]	1.4168	0.0001
ENSXETG00000011680	LNX1	ligand of numb-protein X 1 [Source:Jamboree;Acc:XB-GENE-952178]	1.2030	0.0440
ENSXETG00000022840	LPHN1	latrophilin 1 [Source:Jamboree;Acc:XB-GENE-1012006]	1.1996	0.0244
ENSXETG00000008215	LPPR4	lipid phosphate phosphatase-related protein type 4 [Source:Jamboree;Acc:XB-GENE-976836]	1.6288	0.0001
ENSXETG00000008604	LPPR5	lipid phosphate phosphatase-related protein type 5 [Source:Jamboree;Acc:XB-GENE-983941]	1.4925	0.0000
ENSXETG00000011477	LRCH1	leucine-rich repeats and calponin homology (CH) domain containing 1 [Source:Jamboree;Acc:XB-GENE-6033840]	1.7629	0.0000
ENSXETG00000007822	LRFN2	leucine rich repeat and fibronectin type III domain containing 2 [Source:Jamboree;Acc:XB-GENE-6035533]	1.4410	0.0000
ENSXETG00000021492	LRFN5	leucine rich repeat and fibronectin type III domain containing 5 [Source:Jamboree;Acc:XB-GENE-923445]	1.3561	0.0008
ENSXETG00000004065	LRP12	low density lipoprotein receptor-related protein 12 [Source:Jamboree;Acc:XB-GENE-980112]	1.3036	0.0089
ENSXETG00000005500	LRPAP1	low density lipoprotein receptor-related protein associated protein 1 [Source:Jamboree;Acc:XB-GENE-946427]	1.4532	0.0006
ENSXETG00000009217	LRRC34	leucine rich repeat containing 34 [Source:Jamboree;Acc:XB-GENE-998066]	1.6785	0.0000
ENSXETG00000023262	LRRC67	leucine rich repeat containing 67 [Source:Jamboree;Acc:XB-GENE-1015415]	1.6550	0.0002
ENSXETG00000012373	LRRC7	leucine rich repeat containing 7 [Source:Jamboree;Acc:XB-GENE-956973]	1.4071	0.0010
ENSXETG00000006088	LRRC8D	leucine rich repeat containing 8 family, member D [Source:Jamboree;Acc:XB-GENE-969887]	1.4659	0.0005
ENSXETG00000009216	LRRIQ4	leucine-rich repeats and IQ motif containing 4 [Source:Jamboree;Acc:XB-GENE-948455]	2.0583	0.0102
ENSXETG00000003943	LRSAM1	leucine rich repeat and sterile alpha motif containing 1 [Source:Jamboree;Acc:XB-GENE-994894]	1.9189	0.0000
ENSXETG00000016474	LZTS1	leucine zipper, putative tumor suppressor 1 [Source:Jamboree;Acc:XB-GENE-960311]	1.3028	0.0123
ENSXETG00000027834	MAEL	Protein maelstrom homolog [Source:UniProtKB/Swiss-Prot;Acc:Q08D62]	1.7355	0.0019
ENSXETG00000008234	MAG	myelin associated glycoprotein [Source:Jamboree;Acc:XB-GENE-6462484]	1.6188	0.0016
ENSXETG00000022600	MAN1A1	mannosidase, alpha, class 1A, member 1 [Source:Jamboree;Acc:XB-GENE-998953]	1.3242	0.0225
ENSXETG00000003692	MAN1C1	mannosidase, alpha, class 1C, member 1 [Source:Jamboree;Acc:XB-GENE-6076350]	1.3466	0.0019
ENSXETG00000011609	MAN2B2	mannosidase, alpha, class 2B, member 2 [Source:Jamboree;Acc:XB-GENE-1006292]	1.6093	0.0074
ENSXETG00000011508	MANEA	mannosidase, endo-alpha [Source:Jamboree;Acc:XB-GENE-5814476]	1.2652	0.0232
ENSXETG00000004849	MAOA	monoamine oxidase A [Source:Jamboree;Acc:XB-GENE-5749883]	2.7664	0.0002
ENSXETG00000015887	MAP2K1	mitogen-activated protein kinase kinase 1 [Source:Jamboree;Acc:XB-GENE-478822]	1.2851	0.0016
ENSXETG00000011036	MAP2K4	mitogen-activated protein kinase kinase 4 [Source:Jamboree;Acc:XB-GENE-482151]	1.3009	0.0366
ENSXETG00000000471	MAP3K2	mitogen-activated protein kinase kinase kinase 2 [Source:Jamboree;Acc:XB-GENE-969986]	1.5010	0.0006
ENSXETG00000015061	MAP6	microtubule-associated protein 6 [Source:Jamboree;Acc:XB-GENE-995345]	1.5089	0.0039
ENSXETG00000022383	MAPK4	mitogen-activated protein kinase 4 [Source:Jamboree;Acc:XB-GENE-484178]	1.5519	0.0310
ENSXETG00000001225	MAPRE3	microtubule-associated protein, RP/EB family, member 3 [Source:Jamboree;Acc:XB-GENE-5827217]	1.2489	0.0069
ENSXETG00000017063	MARCH1	membrane-associated ring finger (C3HC4) 1 [Source:Jamboree;Acc:XB-GENE-486265]	1.4583	0.0059
ENSXETG00000007540	MARCH11	membrane-associated ring finger (C3HC4) 11 [Source:Jamboree;Acc:XB-GENE-982895]	1.6277	0.0018
ENSXETG00000000466	MARCH4	membrane-associated ring finger (C3HC4) 4 [Source:Jamboree;Acc:XB-GENE-996237]	1.3317	0.0010
ENSXETG00000009658	MARCH9	membrane-associated ring finger (C3HC4) 9 [Source:Jamboree;Acc:XB-GENE-5813114]	1.3196	0.0022
ENSXETG00000022834	MATN4	matrilin 4 [Source:Jamboree;Acc:XB-GENE-990978]	2.6623	0.0002
ENSXETG00000007043	MBLAC2	metallo-beta-lactamase domain containing 2 [Source:Jamboree;Acc:XB-GENE-984229]	1.5169	0.0000
ENSXETG00000021655	MBNL1	muscleblind-like [Source:Jamboree;Acc:XB-GENE-6035557]	1.2866	0.0057
ENSXETG00000005409	MBNL3	muscleblind-like 3 [Source:Jamboree;Acc:XB-GENE-999434]	1.2704	0.0052
ENSXETG00000000020	MBOAT1	membrane bound O-acyltransferase domain containing 1 [Source:Jamboree;Acc:XB-GENE-994274]	2.5173	0.0279
ENSXETG00000010788	MBP	myelin basic protein [Source:Jamboree;Acc:XB-GENE-959616]	1.2039	0.0222
ENSXETG00000018322	MCF2	MCF.2 cell line derived transforming sequence [Source:Jamboree;Acc:XB-GENE-949776]	1.5197	0.0000
ENSXETG00000022745	MCFD2	multiple coagulation factor deficiency 2 [Source:Jamboree;Acc:XB-GENE-981596]	1.3058	0.0056
ENSXETG00000013380	MCTP1	multiple C2 domains, transmembrane 1 [Source:Jamboree;Acc:XB-GENE-5812768]	1.4182	0.0003
ENSXETG00000024140	MCTP2	multiple C2 domains, transmembrane 2 [Source:Jamboree;Acc:XB-GENE-983153]	1.5446	0.0039

ENSXETG00000023850	MDGA2	MAM domain containing glycosylphosphatidylinositol anchor 2 [Source:Jamboree;Acc:XB-GENE-6046933]	1.2666	0.0107
ENSXETG00000005008	MEGF6	multiple EGF-like-domains 6 [Source:HGNC Symbol;Acc:HGNC:3232]	1.6625	0.0000
ENSXETG00000013781	MERTK	c-mer proto-oncogene tyrosine kinase [Source:Jamboree;Acc:XB-GENE-493221]	1.5814	0.0004
ENSXETG00000021752	MET	met proto-oncogene (hepatocyte growth factor receptor) [Source:Jamboree;Acc:XB-GENE-481272]	1.9679	0.0000
ENSXETG00000009229	METRNL	meteorin, glial cell differentiation regulator-like [Source:Jamboree;Acc:XB-GENE-5745593]	1.5569	0.0001
ENSXETG00000017772	MFGE8	milk fat globule-EGF factor 8 protein [Source:Jamboree;Acc:XB-GENE-853465]	2.1308	0.0000
ENSXETG00000018209	MFSD2B	major facilitator superfamily domain-containing protein 2b [Source:Jamboree;Acc:XB-GENE-6044470]	2.3726	0.0000
ENSXETG00000019508	MFSD6L	major facilitator superfamily domain containing 6-like [Source:Jamboree;Acc:XB-GENE-5841491]	1.3390	0.0199
ENSXETG00000014915	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A [Source:Jamboree;Acc:XB-GENE-5866431]	2.2196	0.0308
ENSXETG00000010457	MGC89174	MGC89174 protein [Source:RefSeq peptide;Acc:NP_001005050]	8.9878	0.0005
ENSXETG00000017066	MHC2A	major histocompatibility complex class II alpha chain precursor [Source:Jamboree;Acc:XB-GENE-481445]	2.1395	0.0061
ENSXETG00000001756	MICAL3	microtubule associated monoxygenase, calponin and LIM domain containing 3 [Source:Jamboree;Acc:XB-GENE-996271]	1.5636	0.0000
ENSXETG00000010993	MKL2	MKL/myocardin-like 2 [Source:Jamboree;Acc:XB-GENE-487634]	1.9360	0.0000
ENSXETG00000004554	MKX	mohawk homeobox [Source:Jamboree;Acc:XB-GENE-853539]	1.9454	0.0000
ENSXETG00000023305	MLLT4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 4 [Source:Jamboree;Acc:XB-GENE-948333]	1.3353	0.0315
ENSXETG00000021243	MMEL1	membrane metallo-endopeptidase-like 1 [Source:Jamboree;Acc:XB-GENE-991673]	1.6932	0.0001
ENSXETG00000022372	MMP11	matrix metallopeptidase 11 (stromelysin 3) [Source:Jamboree;Acc:XB-GENE-479265]	2.8371	0.0000
ENSXETG00000013710	MMP16	matrix metallopeptidase 16 (membrane-inserted) [Source:Jamboree;Acc:XB-GENE-1007177]	1.5553	0.0000
ENSXETG00000002801	MMP2	matrix metallopeptidase 2 (gelatinase A, 72kDa gelatinase, 72kDa type 4 collagenase) [Source:Jamboree;Acc:XB-GENE-482841]	1.8663	0.0000
ENSXETG00000002702	MMP24	matrix metallopeptidase 24 (membrane-inserted) [Source:Jamboree;Acc:XB-GENE-1009940]	1.2852	0.0021
ENSXETG00000004012	MOGAT2.1	monoacylglycerol O-acyltransferase 2, gene 1 [Source:Jamboree;Acc:XB-GENE-6040330]	2.0480	0.0000
ENSXETG00000016326	MORN5	MORN repeat containing 5 [Source:Jamboree;Acc:XB-GENE-958918]	1.7694	0.0003
ENSXETG00000004861	MPPED1	metallophosphoesterase domain containing 1 [Source:Jamboree;Acc:XB-GENE-996669]	2.1476	0.0000
ENSXETG00000023014	MPZL1	myelin protein zero-like 1 [Source:Jamboree;Acc:XB-GENE-953820]	1.1897	0.0443
ENSXETG00000010902	MREG	melanoregulin [Source:Jamboree;Acc:XB-GENE-5735017]	1.4709	0.0000
ENSXETG00000027295	MRPL17	mitochondrial ribosomal protein L17 [Source:Jamboree;Acc:XB-GENE-991837]	1.6557	0.0000
ENSXETG00000018967	MRPS24	mitochondrial ribosomal protein S24 [Source:Jamboree;Acc:XB-GENE-960276]	1.2262	0.0081
ENSXETG00000000700	MSRA.1	methionine sulfoxide reductase A, gene 1 [Source:Jamboree;Acc:XB-GENE-1011250]	1.9893	0.0000
ENSXETG00000022149	MTG1	mitochondrial GTPase 1 homolog [Source:Jamboree;Acc:XB-GENE-957647]	1.4044	0.0001
ENSXETG00000007082	MTMR2	myotubularin related protein 2 [Source:Jamboree;Acc:XB-GENE-6044385]	1.4559	0.0303
ENSXETG00000010682	MTMR6	myotubularin related protein 6 [Source:Jamboree;Acc:XB-GENE-994672]	1.4823	0.0000
ENSXETG00000000685	MTMR9	myotubularin related protein 9 [Source:Jamboree;Acc:XB-GENE-1000525]	1.2526	0.0074
ENSXETG00000005518	MTUS2	microtubule associated tumor suppressor candidate 2 [Source:Jamboree;Acc:XB-GENE-6048929]	1.2074	0.0363
ENSXETG00000018603	MVK	mevalonate kinase [Source:Jamboree;Acc:XB-GENE-998892]	1.3734	0.0125
ENSXETG00000019058	MYH14	myosin, heavy chain 14, non-muscle [Source:Jamboree;Acc:XB-GENE-6468587]	1.1945	0.0412
ENSXETG00000014570	MYH6	myosin, heavy chain 6, cardiac muscle, alpha [Source:Jamboree;Acc:XB-GENE-968718]	1.3542	0.0061
ENSXETG00000003217	MYLK	myosin light chain kinase [Source:Jamboree;Acc:XB-GENE-923293]	1.8369	0.0208
ENSXETG00000009218	MYNN	myoneurin [Source:Jamboree;Acc:XB-GENE-941010]	1.4630	0.0005
ENSXETG00000018850	MYO3B	myosin 3b [Source:Jamboree;Acc:XB-GENE-492483]	1.3374	0.0006
ENSXETG00000020736	MYO5A	myosin VA (heavy chain 12, myoxin) [Source:Jamboree;Acc:XB-GENE-1004102]	1.2266	0.0115
ENSXETG00000020323	MYO5B	myosin VB [Source:Jamboree;Acc:XB-GENE-988439]	2.0027	0.0000
ENSXETG00000005211	MYO9A	myosin 9a [Source:Jamboree;Acc:XB-GENE-492474]	1.1845	0.0381
ENSXETG00000014398	MYRIP	myosin VIIA and Rab interacting protein [Source:Jamboree;Acc:XB-GENE-956200]	1.2484	0.0204
ENSXETG00000027983	MYT1L	myelin transcription factor 1-like [Source:Jamboree;Acc:XB-GENE-988137]	1.6989	0.0000
ENSXETG00000008275	MZT2B	mitotic spindle organizing protein 2B [Source:Jamboree;Acc:XB-GENE-5737867]	1.2307	0.0261
ENSXETG00000000128	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J7I7]	3.7573	0.0414
ENSXETG00000000330	N/A	N/A	1.6035	0.0328
ENSXETG00000000714	N/A	N/A	2.5140	0.0001
ENSXETG00000000941	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BXB6]	1.2093	0.0372
ENSXETG00000001127	N/A	N/A	3.2264	0.0033
ENSXETG00000001173	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UTB1]	Inf	0.0230
ENSXETG00000001623	N/A	N/A	1.4705	0.0000
ENSXETG00000001930	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T3Z3]	1.7361	0.0001
ENSXETG00000002138	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6QPX9]	1.6873	0.0000
ENSXETG00000002446	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J891]	3.0232	0.0222
ENSXETG00000002647	N/A	N/A	1.4613	0.0217
ENSXETG00000002864	N/A	Synaptosomal-associated protein [Source:UniProtKB/TrEMBL;Acc:F7CZV2]	1.4688	0.0000
ENSXETG00000003049	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DMD0]	1.3166	0.0211
ENSXETG00000003099	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7C991]	1.2961	0.0041
ENSXETG00000003397	N/A	N/A	1.3751	0.0131
ENSXETG00000003418	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SHL8]	1.5501	0.0072
ENSXETG00000003595	N/A	N/A	1.3319	0.0004
ENSXETG00000003880	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UDP1]	2.4624	0.0000
ENSXETG00000004073	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UAX2]	1.2904	0.0019
ENSXETG00000004146	N/A	N/A	1.6712	0.0000
ENSXETG00000004274	N/A	N/A	6.5697	0.0002
ENSXETG00000004452	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7E6B8]	1.6531	0.0002
ENSXETG00000004615	N/A	N/A	1.2586	0.0165
ENSXETG00000004688	N/A	N/A	1.3418	0.0146
ENSXETG00000004912	N/A	uncharacterized protein LOC100144954 [Source:RefSeq peptide;Acc:NP_001119998]	1.2892	0.0046
ENSXETG00000004940	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6TMI4]	1.3220	0.0010
ENSXETG00000005011	N/A	N/A	1.2452	0.0323
ENSXETG00000005285	N/A	N/A	1.2503	0.0203
ENSXETG00000005338	N/A	N/A	1.3269	0.0067
ENSXETG00000005471	N/A	N/A	1.3939	0.0004
ENSXETG00000005547	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J7T8]	1.8217	0.0250
ENSXETG00000005710	N/A	N/A	1.2364	0.0205
ENSXETG00000005864	N/A	N/A	2.1257	0.0000
ENSXETG00000006079	N/A	N/A	1.7148	0.0050
ENSXETG00000006292	N/A	N/A	2.9952	0.0011
ENSXETG00000007124	N/A	N/A	1.3629	0.0401
ENSXETG00000007242	N/A	N/A	1.6360	0.0000
ENSXETG00000008344	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U3F9]	1.6168	0.0026
ENSXETG00000008473	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SZY4]	1.2814	0.0250
ENSXETG00000008607	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YFE6]	1.3452	0.0012
ENSXETG00000008829	N/A	N/A	1.5039	0.0000
ENSXETG00000009502	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q683]	1.7592	0.0009
ENSXETG00000009684	N/A	N/A	1.2463	0.0292
ENSXETG00000009685	N/A	N/A	1.4115	0.0014
ENSXETG00000009841	N/A	N/A	1.4819	0.0001
ENSXETG00000010027	N/A	N/A	1.5343	0.0186
ENSXETG00000010050	N/A	N/A	1.6061	0.0002
ENSXETG00000010328	N/A	N/A	1.5453	0.0037
ENSXETG00000010515	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WA26]	1.3420	0.0005
ENSXETG00000010523	N/A	N/A	1.6721	0.0100
ENSXETG00000010565	N/A	N/A	1.2188	0.0363
ENSXETG00000010881	N/A	N/A	2.1979	0.0000
ENSXETG00000011260	N/A	N/A	3.2509	0.0000
ENSXETG00000011542	N/A	N/A	1.8143	0.0332
ENSXETG00000011706	N/A	N/A	1.3480	0.0070
ENSXETG00000011766	N/A	N/A	1.3165	0.0006
ENSXETG00000012513	N/A	N/A	1.3968	0.0007
ENSXETG00000013084	N/A	N/A	1.4991	0.0421

ENSXETG00000013738	N/A	N/A	4.2044	0.0040
ENSXETG00000014010	N/A	N/A	1.3454	0.0131
ENSXETG00000014065	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q2C8]	2.5737	0.0000
ENSXETG00000014118	N/A	N/A	1.3162	0.0017
ENSXETG00000014223	N/A	N/A	1.6065	0.0000
ENSXETG00000014412	N/A	N/A	2.4460	0.0000
ENSXETG00000014564	N/A	N/A	2.5598	0.0000
ENSXETG00000014729	N/A	Guanylate cyclase [Source:UniProtKB/TrEMBL;Acc:F7DQ86]	1.4361	0.0179
ENSXETG00000015015	N/A	N/A	1.2752	0.0345
ENSXETG00000015115	N/A	N/A	1.2633	0.0280
ENSXETG00000015245	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WFA5]	1.6737	0.0029
ENSXETG00000015506	N/A	N/A	1.4401	0.0000
ENSXETG00000015805	N/A	N/A	1.4790	0.0000
ENSXETG00000015927	N/A	N/A	1.7640	0.0000
ENSXETG00000016314	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6PS22]	1.5426	0.0073
ENSXETG00000016457	N/A	N/A	1.8862	0.0020
ENSXETG00000016468	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YJ08]	1.5114	0.0060
ENSXETG00000016710	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6XBX6]	1.2913	0.0479
ENSXETG00000016822	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YSM3]	1.4095	0.0160
ENSXETG00000017019	N/A	N/A	1.1887	0.0359
ENSXETG00000017116	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DP94]	1.7290	0.0013
ENSXETG00000017169	N/A	N/A	1.5125	0.0000
ENSXETG00000017282	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CSD1]	1.2300	0.0141
ENSXETG00000017406	N/A	N/A	2.7795	0.0000
ENSXETG00000017637	N/A	N/A	1.3785	0.0385
ENSXETG00000017695	N/A	N/A	1.9147	0.0233
ENSXETG00000017945	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7B6A5]	2.5111	0.0000
ENSXETG00000018070	N/A	N/A	1.2320	0.0241
ENSXETG00000018161	N/A	N/A	1.9601	0.0000
ENSXETG00000018973	N/A	N/A	1.5149	0.0000
ENSXETG00000019036	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UK24]	2.0010	0.0357
ENSXETG00000019135	N/A	N/A	1.2876	0.0012
ENSXETG00000019516	N/A	N/A	2.3406	0.0339
ENSXETG00000019543	N/A	N/A	1.9652	0.0025
ENSXETG00000020127	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6TH04]	1.5459	0.0025
ENSXETG00000020582	N/A	N/A	1.4680	0.0005
ENSXETG00000021009	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SK15]	4.7528	0.0000
ENSXETG00000021011	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SJQ6]	7.1896	0.0016
ENSXETG00000021013	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SJB2]	8.4353	0.0000
ENSXETG00000021221	N/A	N/A	1.3927	0.0015
ENSXETG00000021233	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T8E4]	1.5081	0.0000
ENSXETG00000021340	N/A	N/A	1.2877	0.0017
ENSXETG00000021437	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6PIC9]	1.7879	0.0228
ENSXETG00000021540	N/A	N/A	2.4946	0.0000
ENSXETG00000022599	N/A	N/A	1.4176	0.0002
ENSXETG00000022609	N/A	N/A	2.1700	0.0000
ENSXETG00000022663	N/A	N/A	3.1122	0.0000
ENSXETG00000022763	N/A	N/A	1.3510	0.0040
ENSXETG00000022898	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DYF4]	3.3495	0.0083
ENSXETG00000022957	N/A	N/A	2.2886	0.0078
ENSXETG00000023312	N/A	N/A	1.3556	0.0188
ENSXETG00000023522	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6XC23]	1.3824	0.0455
ENSXETG00000023635	N/A	N/A	2.5010	0.0230
ENSXETG00000023689	N/A	N/A	1.7607	0.0000
ENSXETG00000023715	N/A	N/A	2.1891	0.0000
ENSXETG00000023911	N/A	N/A	1.2282	0.0485
ENSXETG00000024433	N/A	N/A	1.7648	0.0000
ENSXETG00000024460	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6ZWL7]	1.3411	0.0004
ENSXETG00000024719	N/A	N/A	2.6401	0.0012
ENSXETG00000024760	N/A	N/A	1.2742	0.0168
ENSXETG00000024795	N/A	N/A	1.5094	0.0002
ENSXETG00000025054	N/A	N/A	1.8944	0.0000
ENSXETG00000025154	N/A	N/A	19.2552	0.0013
ENSXETG00000025299	N/A	N/A	1.2495	0.0088
ENSXETG00000025488	N/A	N/A	1.3515	0.0110
ENSXETG00000025491	N/A	N/A	1.5581	0.0001
ENSXETG00000025546	N/A	N/A	1.6923	0.0039
ENSXETG00000025562	N/A	N/A	1.3884	0.0002
ENSXETG00000025673	N/A	N/A	1.6359	0.0000
ENSXETG00000025785	N/A	N/A	1.1962	0.0480
ENSXETG00000025879	N/A	N/A	2.2430	0.0000
ENSXETG00000025951	N/A	N/A	1.6572	0.0000
ENSXETG00000026432	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BCB8]	1.4196	0.0001
ENSXETG00000026533	N/A	N/A	1.5352	0.0000
ENSXETG00000026637	N/A	N/A	1.4849	0.0000
ENSXETG00000026786	N/A	N/A	8.5964	0.0000
ENSXETG00000026981	N/A	N/A	1.3806	0.0141
ENSXETG00000026994	N/A	N/A	1.8099	0.0000
ENSXETG00000027130	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N3U8]	1.9439	0.0007
ENSXETG00000027142	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7B2U0]	1.3206	0.0050
ENSXETG00000027290	N/A	N/A	2.6764	0.0000
ENSXETG00000027630	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J8F9]	1.3199	0.0090
ENSXETG00000027835	N/A	N/A	1.3882	0.0264
ENSXETG00000027984	N/A	N/A	1.6834	0.0000
XLOC_000653	N/A	N/A	2.6101	0.0000
XLOC_000801	N/A	N/A	1.7091	0.0054
XLOC_000839	N/A	N/A	1.8499	0.0467
XLOC_000857	N/A	N/A	1.4396	0.0029
XLOC_001041	N/A	N/A	1.2326	0.0399
XLOC_001106	N/A	N/A	2.2338	0.0002
XLOC_001110	N/A	N/A	2.7732	0.0039
XLOC_001133	N/A	N/A	2.1929	0.0001
XLOC_001212	N/A	N/A	2.1755	0.0001
XLOC_001286	N/A	N/A	1.5293	0.0000
XLOC_001367	N/A	N/A	3.7350	0.0148
XLOC_001805	N/A	N/A	1.3357	0.0169
XLOC_001978	N/A	N/A	1.4986	0.0002
XLOC_002272	N/A	N/A	1.3334	0.0010
XLOC_002628	N/A	N/A	1.5442	0.0001
XLOC_002689	N/A	N/A	4.4758	0.0192
XLOC_002729	N/A	N/A	1.6419	0.0000
XLOC_002786	N/A	N/A	1.4971	0.0030
XLOC_002958	N/A	N/A	1.6954	0.0310
XLOC_002981	N/A	N/A	1.6092	0.0029
XLOC_003106	N/A	N/A	1.2418	0.0176
XLOC_003300	N/A	N/A	1.2340	0.0420

XLOC_003586	N/A	N/A	1.2241	0.0303
XLOC_003641	N/A	N/A	1.2559	0.0332
XLOC_003819	N/A	N/A	1.3751	0.0001
XLOC_003850	N/A	N/A	4.7795	0.0000
XLOC_003986	N/A	N/A	1.3368	0.0009
XLOC_003989	N/A	N/A	1.3725	0.0001
XLOC_004111	N/A	N/A	2.1390	0.0048
XLOC_004396	N/A	N/A	1.8711	0.0001
XLOC_004424	N/A	N/A	1.5842	0.0000
XLOC_005088	N/A	N/A	1.4717	0.0084
XLOC_005113	N/A	N/A	1.3813	0.0001
XLOC_005586	N/A	N/A	1.5415	0.0000
XLOC_005659	N/A	N/A	2.1354	0.0448
XLOC_005865	N/A	N/A	1.2574	0.0072
XLOC_006021	N/A	N/A	1.2043	0.0254
XLOC_006665	N/A	N/A	1.5707	0.0432
XLOC_006714	N/A	N/A	1.4136	0.0023
XLOC_007693	N/A	N/A	1.3814	0.0008
XLOC_007893	N/A	N/A	1.4710	0.0002
XLOC_008003	N/A	N/A	1.6884	0.0014
XLOC_008120	N/A	N/A	2.0327	0.0001
XLOC_008139	N/A	N/A	1.8954	0.0132
XLOC_008177	N/A	N/A	1.8651	0.0000
XLOC_008256	N/A	N/A	1.9059	0.0438
XLOC_008257	N/A	N/A	1.9059	0.0438
XLOC_008504	N/A	N/A	2.3467	0.0000
XLOC_009068	N/A	N/A	10.0793	0.0000
XLOC_009166	N/A	N/A	2.6322	0.0051
XLOC_009167	N/A	N/A	2.0434	0.0005
XLOC_009168	N/A	N/A	1.8224	0.0298
XLOC_009202	N/A	N/A	1.2616	0.0407
XLOC_009203	N/A	N/A	1.3103	0.0317
XLOC_009210	N/A	N/A	1.3715	0.0012
XLOC_009284	N/A	N/A	1.3775	0.0151
XLOC_009306	N/A	N/A	2.0438	0.0483
XLOC_009414	N/A	N/A	1.2337	0.0110
XLOC_009489	N/A	N/A	3.5031	0.0000
XLOC_009888	N/A	N/A	1.5980	0.0000
XLOC_010375	N/A	N/A	1.3737	0.0228
XLOC_010380	N/A	N/A	1.2586	0.0276
XLOC_010410	N/A	N/A	1.4875	0.0004
XLOC_010543	N/A	N/A	2.3911	0.0472
XLOC_010898	N/A	N/A	1.5780	0.0007
XLOC_011048	N/A	N/A	1.5959	0.0367
XLOC_011099	N/A	N/A	1.9594	0.0215
XLOC_011262	N/A	N/A	1.4025	0.0012
XLOC_011529	N/A	N/A	1.3688	0.0007
XLOC_011641	N/A	N/A	1.4539	0.0086
XLOC_011702	N/A	N/A	1.4736	0.0000
XLOC_011901	N/A	N/A	1.2295	0.0198
XLOC_011979	N/A	N/A	1.6757	0.0000
XLOC_011980	N/A	N/A	1.8538	0.0141
XLOC_012260	N/A	N/A	1.6421	0.0114
XLOC_012299	N/A	N/A	2.0082	0.0000
XLOC_012305	N/A	N/A	1.2806	0.0119
XLOC_012343	N/A	N/A	1.4457	0.0045
XLOC_012555	N/A	N/A	1.4843	0.0367
XLOC_012606	N/A	N/A	1.2214	0.0214
XLOC_013149	N/A	N/A	1.3070	0.0009
XLOC_013247	N/A	N/A	2.0057	0.0041
XLOC_013839	N/A	N/A	2.9890	0.0192
XLOC_014131	N/A	N/A	1.6174	0.0001
XLOC_014132	N/A	N/A	3.6458	0.0000
XLOC_014449	N/A	N/A	5.9449	0.0003
XLOC_014489	N/A	N/A	1.3619	0.0002
XLOC_014493	N/A	N/A	1.8291	0.0010
XLOC_014580	N/A	N/A	1.4709	0.0000
XLOC_014658	N/A	N/A	6.4221	0.0000
XLOC_014741	N/A	N/A	1.4990	0.0018
XLOC_014773	N/A	N/A	2.4101	0.0000
XLOC_014784	N/A	N/A	1.3750	0.0334
XLOC_014788	N/A	N/A	1.5445	0.0000
XLOC_014969	N/A	N/A	1.2152	0.0270
XLOC_015112	N/A	N/A	1.2829	0.0158
XLOC_015115	N/A	N/A	1.8757	0.0000
XLOC_015156	N/A	N/A	1.6233	0.0012
XLOC_015384	N/A	N/A	1.7001	0.0000
XLOC_015668	N/A	N/A	1.7270	0.0083
XLOC_015751	N/A	N/A	2.3950	0.0005
XLOC_015834	N/A	N/A	1.3034	0.0066
XLOC_015888	N/A	N/A	1.4484	0.0148
XLOC_015967	N/A	N/A	1.7767	0.0003
XLOC_016298	N/A	N/A	1.4748	0.0085
XLOC_016358	N/A	N/A	1.5376	0.0002
XLOC_016363	N/A	N/A	4.2731	0.0177
XLOC_016365	N/A	N/A	1.5715	0.0000
XLOC_016470	N/A	N/A	1.5155	0.0000
XLOC_016560	N/A	N/A	1.2994	0.0006
XLOC_016760	N/A	N/A	1.2520	0.0075
XLOC_016822	N/A	N/A	1.2219	0.0401
XLOC_016931	N/A	N/A	2.0705	0.0000
XLOC_016984	N/A	N/A	1.4420	0.0000
XLOC_017268	N/A	N/A	1.2788	0.0328
XLOC_017350	N/A	N/A	2.2931	0.0000
XLOC_017448	N/A	N/A	1.3801	0.0008
XLOC_017649	N/A	N/A	1.3545	0.0118
XLOC_017657	N/A	N/A	1.5577	0.0000
XLOC_017809	N/A	N/A	1.2895	0.0009
XLOC_017811	N/A	N/A	1.2037	0.0272
XLOC_018400	N/A	N/A	1.9420	0.0000
XLOC_019183	N/A	N/A	36.1915	0.0000
XLOC_019347	N/A	N/A	1.3636	0.0073
XLOC_019414	N/A	N/A	1.2512	0.0152
XLOC_019632	N/A	N/A	1.4696	0.0000
XLOC_019633	N/A	N/A	1.4066	0.0008
XLOC_019655	N/A	N/A	1.2812	0.0075

XLOC_020050	N/A	N/A	3.0826	0.0000
XLOC_020063	N/A	N/A	1.2556	0.0054
XLOC_020096	N/A	N/A	1.3567	0.0345
XLOC_020119	N/A	N/A	1.4546	0.0097
XLOC_020337	N/A	N/A	1.3874	0.0006
XLOC_020406	N/A	N/A	1.2513	0.0081
XLOC_020756	N/A	N/A	1.6065	0.0000
XLOC_020950	N/A	N/A	1.1900	0.0490
XLOC_021022	N/A	N/A	3.7602	0.0000
XLOC_021254	N/A	N/A	2.2467	0.0000
XLOC_021535	N/A	N/A	1.3607	0.0122
XLOC_021607	N/A	N/A	1.3546	0.0065
XLOC_021661	N/A	N/A	4.2934	0.0000
XLOC_021716	N/A	N/A	2.7774	0.0000
XLOC_021848	N/A	N/A	1.5756	0.0000
XLOC_021917	N/A	N/A	1.2194	0.0409
XLOC_022041	N/A	N/A	1.2535	0.0181
XLOC_022043	N/A	N/A	1.4803	0.0034
XLOC_022446	N/A	N/A	2.9076	0.0001
XLOC_022514	N/A	N/A	1.2167	0.0157
XLOC_022820	N/A	N/A	1.2977	0.0028
XLOC_022891	N/A	N/A	1.2590	0.0122
XLOC_022907	N/A	N/A	1.6094	0.0014
XLOC_023196	N/A	N/A	1.6363	0.0006
XLOC_023344	N/A	N/A	3.5411	0.0000
XLOC_023580	N/A	N/A	1.3064	0.0019
XLOC_023748	N/A	N/A	2.2091	0.0000
XLOC_023817	N/A	N/A	2.1519	0.0000
XLOC_023906	N/A	N/A	1.5291	0.0001
XLOC_023916	N/A	N/A	7.5850	0.0001
XLOC_023950	N/A	N/A	1.3403	0.0006
XLOC_023952	N/A	N/A	1.2415	0.0175
XLOC_024226	N/A	N/A	1.4617	0.0000
XLOC_024375	N/A	N/A	1.4900	0.0000
XLOC_024854	N/A	N/A	1.5690	0.0000
XLOC_025385	N/A	N/A	1.3777	0.0043
XLOC_025485	N/A	N/A	1.4514	0.0082
XLOC_025718	N/A	N/A	1.3184	0.0136
XLOC_025759	N/A	N/A	2.0497	0.0071
XLOC_025766	N/A	N/A	1.9143	0.0000
XLOC_025770	N/A	N/A	1.8484	0.0000
XLOC_025954	N/A	N/A	1.9702	0.0000
XLOC_025964	N/A	N/A	2.1314	0.0000
XLOC_026090	N/A	N/A	Inf	0.0357
XLOC_026247	N/A	N/A	1.2756	0.0320
XLOC_026631	N/A	N/A	1.4074	0.0382
XLOC_026679	N/A	N/A	1.3445	0.0097
XLOC_026682	N/A	N/A	1.2990	0.0061
XLOC_026956	N/A	N/A	1.8848	0.0000
XLOC_027174	N/A	N/A	1.6014	0.0000
XLOC_027423	N/A	N/A	3.1094	0.0000
XLOC_027507	N/A	N/A	1.9653	0.0115
XLOC_028022	N/A	N/A	1.2752	0.0209
XLOC_028177	N/A	N/A	2.1587	0.0000
XLOC_028209	N/A	N/A	1.8737	0.0000
XLOC_028521	N/A	N/A	1.3018	0.0019
XLOC_028649	N/A	N/A	5.1761	0.0000
XLOC_028732	N/A	N/A	3.5491	0.0012
XLOC_029628	N/A	N/A	1.6062	0.0486
XLOC_029760	N/A	N/A	1.7262	0.0092
XLOC_029893	N/A	N/A	1.8874	0.0000
XLOC_029894	N/A	N/A	1.2504	0.0183
XLOC_030380	N/A	N/A	1.5063	0.0048
XLOC_030509	N/A	N/A	2.6854	0.0120
XLOC_030669	N/A	N/A	2.4950	0.0000
XLOC_030701	N/A	N/A	3.9622	0.0000
XLOC_030777	N/A	N/A	1.4787	0.0028
XLOC_030987	N/A	N/A	1.5544	0.0000
XLOC_031011	N/A	N/A	2.8948	0.0002
XLOC_031065	N/A	N/A	1.9037	0.0000
XLOC_031295	N/A	N/A	1.3139	0.0019
XLOC_031463	N/A	N/A	2.6891	0.0457
XLOC_031606	N/A	N/A	2.9415	0.0000
XLOC_031979	N/A	N/A	1.9871	0.0169
XLOC_031980	N/A	N/A	1.2281	0.0139
XLOC_032041	N/A	N/A	1.5402	0.0000
XLOC_032368	N/A	N/A	1.8238	0.0001
XLOC_032396	N/A	N/A	1.3414	0.0009
XLOC_032465	N/A	N/A	1.6899	0.0000
XLOC_033121	N/A	N/A	1.8213	0.0148
XLOC_033174	N/A	N/A	1.3696	0.0001
XLOC_033527	N/A	N/A	1.5067	0.0000
XLOC_033609	N/A	N/A	1.4981	0.0000
XLOC_033665	N/A	N/A	1.2996	0.0012
XLOC_033900	N/A	N/A	1.5871	0.0039
XLOC_034064	N/A	N/A	2.4627	0.0160
XLOC_034198	N/A	N/A	1.3576	0.0141
XLOC_034219	N/A	N/A	1.2591	0.0385
XLOC_034325	N/A	N/A	2.9670	0.0250
XLOC_034369	N/A	N/A	1.3483	0.0009
XLOC_034492	N/A	N/A	1.9499	0.0034
XLOC_034730	N/A	N/A	1.4137	0.0021
XLOC_035128	N/A	N/A	1.4031	0.0015
XLOC_035163	N/A	N/A	1.4269	0.0003
XLOC_035167	N/A	N/A	1.8336	0.0193
XLOC_035262	N/A	N/A	1.4487	0.0180
XLOC_035702	N/A	N/A	1.8807	0.0000
XLOC_035708	N/A	N/A	1.5851	0.0000
XLOC_035731	N/A	N/A	2.0084	0.0102
XLOC_035897	N/A	N/A	1.7379	0.0010
XLOC_035940	N/A	N/A	2.2082	0.0059
XLOC_035955	N/A	N/A	2.8965	0.0002
XLOC_036336	N/A	N/A	3.4179	0.0000
XLOC_036967	N/A	N/A	1.2485	0.0263
XLOC_037170	N/A	N/A	1.5535	0.0000
XLOC_037187	N/A	N/A	1.3411	0.0002

XLOC_037522	N/A	N/A	2.0618	0.0191
XLOC_037740	N/A	N/A	1.3635	0.0488
XLOC_037858	N/A	N/A	1.6144	0.0008
XLOC_038322	N/A	N/A	1.4722	0.0070
XLOC_038417	N/A	N/A	1.7326	0.0000
XLOC_038473	N/A	N/A	1.3440	0.0008
XLOC_038516	N/A	N/A	1.6274	0.0055
XLOC_038727	N/A	N/A	2.5750	0.0262
XLOC_038880	N/A	N/A	1.5588	0.0434
XLOC_038888	N/A	N/A	1.9848	0.0000
XLOC_038908	N/A	N/A	2.0920	0.0000
XLOC_038933	N/A	N/A	2.3313	0.0000
XLOC_039156	N/A	N/A	1.8269	0.0023
XLOC_039163	N/A	N/A	1.9413	0.0010
XLOC_039260	N/A	N/A	1.2224	0.0231
XLOC_039403	N/A	N/A	1.6727	0.0000
XLOC_039577	N/A	N/A	2.7919	0.0000
XLOC_039578	N/A	N/A	3.4045	0.0022
XLOC_039626	N/A	N/A	1.5223	0.0362
XLOC_039985	N/A	N/A	36.8260	0.0000
XLOC_040150	N/A	N/A	1.7518	0.0000
XLOC_040192	N/A	N/A	1.3632	0.0074
XLOC_040439	N/A	N/A	1.3359	0.0073
XLOC_040440	N/A	N/A	1.3516	0.0032
XLOC_040625	N/A	N/A	1.3935	0.0004
XLOC_040689	N/A	N/A	1.3340	0.0067
XLOC_040884	N/A	N/A	2.8252	0.0160
XLOC_040886	N/A	N/A	4.3185	0.0000
XLOC_041004	N/A	N/A	1.3239	0.0102
XLOC_041064	N/A	N/A	1.3953	0.0000
XLOC_041125	N/A	N/A	1.2366	0.0218
XLOC_041150	N/A	N/A	2.2248	0.0005
XLOC_041347	N/A	N/A	1.9129	0.0000
XLOC_041463	N/A	N/A	7.9676	0.0000
XLOC_041576	N/A	N/A	1.4445	0.0427
XLOC_041630	N/A	N/A	3.2928	0.0000
XLOC_041741	N/A	N/A	1.7911	0.0000
XLOC_042154	N/A	N/A	4.5055	0.0001
XLOC_042334	N/A	N/A	1.5331	0.0000
XLOC_042745	N/A	N/A	1.2328	0.0144
XLOC_042750	N/A	N/A	2.6504	0.0000
XLOC_042796	N/A	N/A	3.6273	0.0000
XLOC_042798	N/A	N/A	1.6173	0.0002
XLOC_042799	N/A	N/A	1.4702	0.0030
XLOC_042878	N/A	N/A	1.4717	0.0084
XLOC_042958	N/A	N/A	5.1925	0.0173
XLOC_042970	N/A	N/A	1.2467	0.0105
XLOC_043360	N/A	N/A	1.3600	0.0007
XLOC_043516	N/A	N/A	1.6385	0.0000
XLOC_043523	N/A	N/A	1.6385	0.0000
XLOC_043579	N/A	N/A	2.0137	0.0102
XLOC_043710	N/A	N/A	1.9072	0.0165
XLOC_043725	N/A	N/A	2.2616	0.0144
XLOC_043813	N/A	N/A	1.3753	0.0456
XLOC_043842	N/A	N/A	2.9613	0.0000
XLOC_043897	N/A	N/A	4.6611	0.0000
XLOC_044698	N/A	N/A	1.2247	0.0278
XLOC_044964	N/A	N/A	1.7439	0.0059
XLOC_044974	N/A	N/A	1.5452	0.0000
XLOC_045081	N/A	N/A	1.3783	0.0124
XLOC_045152	N/A	N/A	12.1816	0.0011
XLOC_045424	N/A	N/A	1.2814	0.0168
ENSXETG00000017009	N4BP2L1	NEDD4 binding protein 2-like 1 [Source:Jamboree;Acc:XB-GENE-1001194]	1.3667	0.0036
ENSXETG00000023867	NACA	nascent polypeptide-associated complex alpha subunit [Source:Jamboree;Acc:XB-GENE-5961006]	1.3081	0.0031
ENSXETG00000005594	NACC1	nucleus accumbens associated 1, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-979467]	2.2349	0.0000
ENSXETG00000000723	NACC2	NACC family member 2, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-986407]	4.0771	0.0000
ENSXETG00000016614	NAGA	N-acetylgalactosaminidase, alpha- [Source:Jamboree;Acc:XB-GENE-5832581]	1.2937	0.0219
ENSXETG00000006558	NANS	N-acetylneuraminic acid synthase [Source:Jamboree;Acc:XB-GENE-977732]	1.5115	0.0000
ENSXETG00000014323	NAV3	neuron navigator 3 [Source:HGNC Symbol;Acc:HGNC:15998]	1.2131	0.0265
ENSXETG00000006631	NCALD	neurocalcin delta [Source:Jamboree;Acc:XB-GENE-948387]	1.3110	0.0012
ENSXETG00000007054	NCAM2	neural cell adhesion molecule 2 [Source:Jamboree;Acc:XB-GENE-1217730]	1.3251	0.0003
ENSXETG00000005319	NCCRP1	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish) [Source:Jamboree;Acc:XB-GENE-1013762]	1.2600	0.0095
ENSXETG00000013251	NCEH1	neutral cholesterol ester hydrolase 1 [Source:Jamboree;Acc:XB-GENE-959943]	1.8060	0.0000
ENSXETG00000004299	NCKAP1L	NCK-associated protein 1-like [Source:Jamboree;Acc:XB-GENE-953118]	2.2843	0.0042
ENSXETG00000003480	NCOA3	nuclear receptor coactivator 3 [Source:Jamboree;Acc:XB-GENE-486618]	1.5472	0.0000
ENSXETG00000001192	NCOR2	nuclear receptor corepressor 2 [Source:Jamboree;Acc:XB-GENE-5963150]	2.0323	0.0000
ENSXETG00000001355	NCS1	neuronal calcium sensor 1 [Source:Jamboree;Acc:XB-GENE-953740]	1.6880	0.0065
ENSXETG00000019569	NDFIP1	Nedd4 family interacting protein 1 [Source:Jamboree;Acc:XB-GENE-961957]	1.2213	0.0115
ENSXETG00000017809	NDFIP2	Nedd4 family interacting protein 2 [Source:Jamboree;Acc:XB-GENE-1014517]	1.2347	0.0235
ENSXETG00000016160	NDRG2	NDRG family member 2 [Source:Jamboree;Acc:XB-GENE-951910]	1.2833	0.0025
ENSXETG00000004033	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3 [Source:Jamboree;Acc:XB-GENE-1001604]	1.4379	0.0001
ENSXETG00000010566	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4 [Source:Jamboree;Acc:XB-GENE-951845]	1.5262	0.0001
ENSXETG00000016599	NEBL	nebulette [Source:Jamboree;Acc:XB-GENE-492269]	1.7770	0.0000
ENSXETG00000014601	NECAB1	N-terminal EF-hand calcium binding protein 1 [Source:Jamboree;Acc:XB-GENE-943030]	1.4519	0.0000
ENSXETG00000021142	NEDD4L	neural precursor cell expressed, developmentally down-regulated 4-like [Source:Jamboree;Acc:XB-GENE-489248]	1.2271	0.0128
ENSXETG00000024105	NEGR1	neuronal growth regulator 1 [Source:Jamboree;Acc:XB-GENE-987949]	1.3942	0.0000
ENSXETG00000011464	NEK6	NIMA (never in mitosis gene a)-related kinase 6 [Source:Jamboree;Acc:XB-GENE-956751]	1.3165	0.0312
ENSXETG00000014158	NELL1	NEL-like 1 [Source:Jamboree;Acc:XB-GENE-920228]	1.2121	0.0288
ENSXETG00000014625	NELL2	NEL-like 2 [Source:Jamboree;Acc:XB-GENE-852641]	1.5418	0.0000
ENSXETG00000016864	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1 [Source:Jamboree;Acc:XB-GENE-1013796]	1.4213	0.0001
ENSXETG00000003122	NEU4	sialidase 4 [Source:Jamboree;Acc:XB-GENE-959717]	1.8935	0.0005
ENSXETG00000008871	NFIA	nuclear factor I/A [Source:Jamboree;Acc:XB-GENE-1010393]	1.2957	0.0041
ENSXETG00000000835	NFIB	nuclear factor I/B [Source:Jamboree;Acc:XB-GENE-486376]	1.4950	0.0369
ENSXETG00000008149	NFIC	nuclear factor I/C (CCAAT-binding transcription factor) [Source:Jamboree;Acc:XB-GENE-484367]	4.1571	0.0000
ENSXETG00000022580	NHSL2	NHS-like 2 [Source:Jamboree;Acc:XB-GENE-6467658]	1.6686	0.0000
ENSXETG00000021651	NKAIN3	Na+/K+ transporting ATPase interacting 3 [Source:Jamboree;Acc:XB-GENE-5816251]	1.3204	0.0102
ENSXETG00000021425	NLGN4X	neuroligin 4, X-linked [Source:Jamboree;Acc:XB-GENE-6036018]	1.2557	0.0102
ENSXETG00000003825	NME5	non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase) [Source:Jamboree;Acc:XB-GENE-951087]	1.5463	0.0217
ENSXETG00000001325	NOG	noggin [Source:Jamboree;Acc:XB-GENE-487724]	1.5102	0.0107
ENSXETG00000003135	NOV	nephroblastoma overexpressed gene [Source:Jamboree;Acc:XB-GENE-1013046]	Inf	0.0477
ENSXETG00000019001	NPC1L1	NPC1 (Niemann-Pick disease, type C1, gene)-like 1 [Source:Jamboree;Acc:XB-GENE-964011]	3.7158	0.0000
ENSXETG00000008575	NPEPL1	aminopeptidase-like 1 [Source:Jamboree;Acc:XB-GENE-5829494]	1.3506	0.0484
ENSXETG00000006144	NPFFR1	neuropeptide FF receptor 1 [Source:Jamboree;Acc:XB-GENE-987767]	1.5345	0.0026
ENSXETG00000008127	NPFFR2	neuropeptide FF receptor 2 [Source:Jamboree;Acc:XB-GENE-994428]	1.4264	0.0344
ENSXETG00000013082	NPPB	natriuretic peptide B [Source:Jamboree;Acc:XB-GENE-487178]	1.5171	0.0057
ENSXETG00000006906	NPTXR	neuronal pentraxin receptor [Source:Jamboree;Acc:XB-GENE-983806]	1.7757	0.0108

ENSXETG00000015374	NR0B1	nuclear receptor subfamily 0, group B, member 1 [Source:Jamboree;Acc:XB-GENE-487960]	1.5745	0.0078
ENSXETG00000024397	NR1D1	nuclear receptor subfamily 1, group D, member 1 [Source:Jamboree;Acc:XB-GENE-478094]	1.5009	0.0000
ENSXETG00000011046	NR2F5	nuclear receptor subfamily 2, group F, member 5 [Source:Jamboree;Acc:XB-GENE-486334]	1.7392	0.0487
ENSXETG00000026061	NR3C2	nuclear receptor subfamily 3, group C, member 2 [Source:Jamboree;Acc:XB-GENE-483085]	3.1989	0.0000
ENSXETG00000017504	NRG1	neuregulin 1 [Source:Jamboree;Acc:XB-GENE-1011451]	1.2579	0.0243
ENSXETG00000010095	NRP2	neuropilin 2 [Source:Jamboree;Acc:XB-GENE-485735]	1.4832	0.0099
ENSXETG00000007233	NSD1	nuclear receptor binding SET domain protein 1 [Source:Jamboree;Acc:XB-GENE-989206]	1.2106	0.0367
ENSXETG00000010949	NT5C1B	5'-nucleotidase, cytosolic IB [Source:Jamboree;Acc:XB-GENE-1009625]	1.3836	0.0002
ENSXETG00000005741	NT5M	5',3'-nucleotidase, mitochondrial [Source:Jamboree;Acc:XB-GENE-5879843]	1.3377	0.0060
ENSXETG00000015706	NTM	neurotrimin [Source:Jamboree;Acc:XB-GENE-6045425]	1.5231	0.0000
ENSXETG00000009235	NTN4	netrin 4 [Source:HGNC Symbol;Acc:HGNC:13658]	1.3755	0.0209
ENSXETG00000009943	NTNG1	netrin G1 [Source:Jamboree;Acc:XB-GENE-981283]	1.3384	0.0004
ENSXETG00000011726	NTRK2	neurotrophic tyrosine kinase, receptor, type 2 [Source:Jamboree;Acc:XB-GENE-922932]	1.3342	0.0001
ENSXETG00000016026	NUCB2	nucleobindin 2 [Source:Jamboree;Acc:XB-GENE-485477]	1.2929	0.0128
ENSXETG00000007198	NUDT22	nudix (nucleoside diphosphate linked moiety X)-type motif 22 [Source:Jamboree;Acc:XB-GENE-5961541]	2.5573	0.0000
ENSXETG00000025077	NUS1	nuclear undecaprenyl pyrophosphate synthase 1 homolog [Source:Jamboree;Acc:XB-GENE-981164]	1.4842	0.0079
ENSXETG00000010777	NXPH1	neurexophilin 1 [Source:Jamboree;Acc:XB-GENE-5808393]	1.3651	0.0001
ENSXETG00000018631	NXPH3	neurexophilin 3 [Source:Jamboree;Acc:XB-GENE-953177]	1.3881	0.0002
ENSXETG00000005850	OLFM2	olfactomedin 2 [Source:Jamboree;Acc:XB-GENE-958655]	1.2620	0.0045
ENSXETG00000013268	OLFM3	olfactomedin 3 [Source:Jamboree;Acc:XB-GENE-960616]	2.1836	0.0197
ENSXETG00000011546	OPRL1	opiate receptor-like 1 [Source:Jamboree;Acc:XB-GENE-5825353]	1.5578	0.0000
ENSXETG00000008401	OPRM1	opioid receptor, mu 1 [Source:Jamboree;Acc:XB-GENE-1011391]	1.2981	0.0056
ENSXETG00000000442	OPTC	opticin [Source:Jamboree;Acc:XB-GENE-941989]	1.8129	0.0000
ENSXETG00000004483	ORAI1	ORAI calcium release-activated calcium modulator 1 [Source:Jamboree;Acc:XB-GENE-962826]	1.2432	0.0401
ENSXETG00000015091	OSBPL1A	oxysterol binding protein-like 1A [Source:Jamboree;Acc:XB-GENE-1011513]	1.2102	0.0298
ENSXETG00000002006	OSBPL2	oxysterol binding protein-like 2 [Source:Jamboree;Acc:XB-GENE-855645]	1.4207	0.0007
ENSXETG00000013334	OSBPL8	oxysterol binding protein-like 8 [Source:Jamboree;Acc:XB-GENE-5961068]	1.2764	0.0060
ENSXETG00000003330	OTOF	otoferlin [Source:Jamboree;Acc:XB-GENE-1006200]	1.4244	0.0001
ENSXETG00000016183	OTOL1	otolin 1 [Source:Jamboree;Acc:XB-GENE-950285]	1.6075	0.0001
ENSXETG00000016206	OXSR1	oxidative-stress responsive 1 [Source:Jamboree;Acc:XB-GENE-1012528]	1.2391	0.0423
ENSXETG00000027713	P2RY1	purinergic receptor P2Y, G-protein coupled, 1 [Source:Jamboree;Acc:XB-GENE-1000145]	1.4394	0.0000
ENSXETG00000010723	P2RY2	purinergic receptor P2Y, G-protein coupled, 2 [Source:Jamboree;Acc:XB-GENE-1005097]	9.1392	0.0000
ENSXETG00000012375	PACSIN1	protein kinase C and casein kinase substrate in neurons 1 [Source:Jamboree;Acc:XB-GENE-494779]	1.2177	0.0158
ENSXETG00000019410	PAFAH1B1	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa) [Source:Jamboree;Acc:XB-GENE-1002843]	1.2602	0.0347
ENSXETG00000003761	PAFAH1B2	platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (30kDa) [Source:Jamboree;Acc:XB-GENE-962580]	1.2328	0.0229
ENSXETG00000022139	PAOX	polyamine oxidase (exo-N4-amino) [Source:Jamboree;Acc:XB-GENE-946701]	1.3549	0.0168
ENSXETG00000021730	PAPPA	pregnancy-associated plasma protein A, pappalysin 1 [Source:Jamboree;Acc:XB-GENE-482885]	1.7002	0.0040
ENSXETG00000002598	PAQR6	progestin and adipoQ receptor family member VI [Source:Jamboree;Acc:XB-GENE-5863258]	1.2333	0.0139
ENSXETG00000000087	PARP3	poly (ADP-ribose) polymerase family, member 3 [Source:Jamboree;Acc:XB-GENE-987109]	1.4787	0.0205
ENSXETG00000004872	PARVB	parvin, beta [Source:Jamboree;Acc:XB-GENE-947900]	1.6327	0.0002
ENSXETG00000008191	PCBD1	pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha [Source:Jamboree;Acc:XB-GENE-975699]	1.5859	0.0191
ENSXETG00000001875	PCDH1	protocadherin 1 [Source:Jamboree;Acc:XB-GENE-983603]	1.4776	0.0002
ENSXETG00000013565	PCDH17	protocadherin 17 [Source:Jamboree;Acc:XB-GENE-480220]	1.4700	0.0002
ENSXETG00000012808	PCDH20	protocadherin 20 [Source:Jamboree;Acc:XB-GENE-484153]	1.6202	0.0001
ENSXETG00000022281	PCDH7	protocadherin 7 [Source:Jamboree;Acc:XB-GENE-1007357]	1.2781	0.0435
ENSXETG00000017500	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase [Source:Jamboree;Acc:XB-GENE-959017]	1.2161	0.0419
ENSXETG00000000593	PCOLCE2	procollagen C-endopeptidase enhancer 2 [Source:Jamboree;Acc:XB-GENE-1015978]	1.9582	0.0000
ENSXETG00000006663	PCSK6	proprotein convertase subtilisin/kexin type 6 [Source:Jamboree;Acc:XB-GENE-979058]	2.1206	0.0000
ENSXETG00000004298	PDE1B	phosphodiesterase 1B, calmodulin-dependent [Source:Jamboree;Acc:XB-GENE-987197]	1.2609	0.0056
ENSXETG00000023430	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa [Source:Jamboree;Acc:XB-GENE-994226]	1.6557	0.0000
ENSXETG00000012264	PDE2A	phosphodiesterase 2A, cGMP-stimulated [Source:Jamboree;Acc:XB-GENE-5945995]	1.3356	0.0004
ENSXETG00000001379	PDGFA	platelet-derived growth factor alpha polypeptide [Source:Jamboree;Acc:XB-GENE-484495]	1.7922	0.0000
ENSXETG00000021035	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide [Source:Jamboree;Acc:XB-GENE-6072920]	1.8404	0.0010
ENSXETG00000017929	PDIA4	protein disulfide isomerase family A, member 4 [Source:Jamboree;Acc:XB-GENE-5892157]	1.9263	0.0000
ENSXETG00000004025	PDPK1	3-phosphoinositide dependent protein kinase-1 [Source:Jamboree;Acc:XB-GENE-991549]	1.2148	0.0419
ENSXETG00000017875	PDXK	pyridoxal (pyridoxine, vitamin B6) kinase [Source:Jamboree;Acc:XB-GENE-5810533]	1.2538	0.0062
ENSXETG00000021587	PDZD3	PDZ domain containing 3 [Source:Jamboree;Acc:XB-GENE-486153]	4.1652	0.0000
ENSXETG00000008122	PEA15	phosphoprotein enriched in astrocytes 15 [Source:Jamboree;Acc:XB-GENE-945186]	1.7654	0.0039
ENSXETG00000012570	PECAM1	platelet/endothelial cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-488102]	1.5475	0.0000
ENSXETG00000005657	PENK	proenkephalin [Source:Jamboree;Acc:XB-GENE-942760]	1.3473	0.0006
ENSXETG00000023336	PGBD5	piggyBac transposable element derived 5 [Source:Jamboree;Acc:XB-GENE-6258815]	1.3230	0.0050
ENSXETG00000007447	PGK1	phosphoglycerate kinase 1 [Source:Jamboree;Acc:XB-GENE-947126]	1.2214	0.0228
ENSXETG00000001670	PGM5	phosphoglucomutase 5 [Source:Jamboree;Acc:XB-GENE-953082]	1.6767	0.0072
ENSXETG00000005482	PGR	progesterone receptor [Source:Jamboree;Acc:XB-GENE-484457]	8.3879	0.0383
ENSXETG00000023919	PHB2	prohibitin 2 [Source:Jamboree;Acc:XB-GENE-5844763]	1.2015	0.0264
ENSXETG00000006756	PHKA1P1	phosphorylase kinase, alpha 1 pseudogene 1 [Source:Jamboree;Acc:XB-GENE-1012252]	1.7513	0.0000
ENSXETG00000003918	PHKB	phosphorylase kinase, beta [Source:Jamboree;Acc:XB-GENE-1010420]	1.3092	0.0049
ENSXETG00000010064	PHKG1	phosphorylase kinase, gamma 1 (muscle) [Source:Jamboree;Acc:XB-GENE-987485]	3.1956	0.0000
ENSXETG00000021132	PHKG2	phosphorylase kinase, gamma 2 (testis) [Source:Jamboree;Acc:XB-GENE-994728]	1.3678	0.0020
ENSXETG00000010535	PHYHIP	phytanoyl-CoA 2-hydroxylase interacting protein [Source:Jamboree;Acc:XB-GENE-999561]	2.3678	0.0001
ENSXETG00000005118	PHYHIPL	phytanoyl-CoA 2-hydroxylase interacting protein-like [Source:Jamboree;Acc:XB-GENE-954796]	1.2317	0.0094
ENSXETG00000010815	PICK1	protein interacting with PRKCA 1 [Source:Jamboree;Acc:XB-GENE-959376]	1.2713	0.0081
ENSXETG00000014759	PID1	phosphotyrosine interaction domain containing 1 [Source:Jamboree;Acc:XB-GENE-960454]	1.2409	0.0264
ENSXETG00000000535	PIGC	phosphatidylinositol glycan anchor biosynthesis, class C [Source:Jamboree;Acc:XB-GENE-951705]	1.5347	0.0276
ENSXETG00000010280	PIK3C3	phosphoinositide-3-kinase, class 3 [Source:Jamboree;Acc:XB-GENE-6085226]	1.6025	0.0006
ENSXETG00000014529	PIM3	pim-3 oncogene [Source:Jamboree;Acc:XB-GENE-922022]	1.5465	0.0000
ENSXETG00000001678	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta [Source:Jamboree;Acc:XB-GENE-987075]	1.6838	0.0000
ENSXETG00000010057	PITPNC1	phosphatidylinositol transfer protein, cytoplasmic 1 [Source:Jamboree;Acc:XB-GENE-5779888]	1.5976	0.0000
ENSXETG00000020679	PITPNM3	PITPNM family member 3 [Source:Jamboree;Acc:XB-GENE-983510]	1.7971	0.0379
ENSXETG00000027262	PKIA	protein kinase (cAMP-dependent, catalytic) inhibitor alpha [Source:Jamboree;Acc:XB-GENE-962961]	1.3027	0.0022
ENSXETG00000007579	PLA2R1	phospholipase A2 receptor 1, 180kDa [Source:Jamboree;Acc:XB-GENE-1000168]	1.3301	0.0053
ENSXETG00000009136	PLD1	phospholipase D1, phosphatidylcholine-specific [Source:Jamboree;Acc:XB-GENE-948465]	1.7225	0.0018
ENSXETG00000013400	PLEKHM2	pleckstrin homology domain containing, family M (with RUN domain) member 2 [Source:Jamboree;Acc:XB-GENE-5717447]	1.3916	0.0017
ENSXETG00000018134	PLP1	proteolipid protein 1 [Source:Jamboree;Acc:XB-GENE-1008580]	1.4757	0.0073
ENSXETG00000016596	PLXDC2	plexin domain containing 2 [Source:Jamboree;Acc:XB-GENE-856530]	1.5356	0.0000
ENSXETG00000011446	PLXNA4	plexin A4 [Source:Jamboree;Acc:XB-GENE-856502]	1.3310	0.0004
ENSXETG00000011263	PMEPA1	prostate transmembrane protein, androgen induced 1 [Source:Jamboree;Acc:XB-GENE-1013948]	4.7069	0.0000
ENSXETG00000007699	PNCK	pregnancy up-regulated non-ubiquitously expressed CaM kinase [Source:Jamboree;Acc:XB-GENE-961042]	1.8351	0.0000
ENSXETG00000004865	PNPLA3	patatin-like phospholipase domain containing 3 [Source:Jamboree;Acc:XB-GENE-5855123]	1.8335	0.0000
ENSXETG00000001142	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa [Source:Jamboree;Acc:XB-GENE-5913354]	2.7251	0.0000
ENSXETG00000020299	PON2	paraoxonase 2 [Source:Jamboree;Acc:XB-GENE-491654]	1.3633	0.0001
ENSXETG00000009592	PPAPDC1A	phosphatidic acid phosphatase type 2 domain containing 1A [Source:Jamboree;Acc:XB-GENE-6051164]	2.3504	0.0050
ENSXETG00000017360	PPAPDC2	phosphatidic acid phosphatase type 2 domain containing 2 [Source:Jamboree;Acc:XB-GENE-5871301]	1.2730	0.0279
ENSXETG00000009056	PPFIBP2	PTPRF interacting protein, binding protein 2 (liprin beta 2) [Source:Jamboree;Acc:XB-GENE-1013068]	1.8595	0.0000
ENSXETG00000004653	PPIP5K1	diphosphoinositol pentakisphosphate kinase 1 [Source:Jamboree;Acc:XB-GENE-6258750]	1.3714	0.0162
ENSXETG00000008726	PPM1L	protein phosphatase, Mg2+/Mn2+ dependent, 1L [Source:Jamboree;Acc:XB-GENE-950664]	1.3138	0.0017
ENSXETG00000023064	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B [Source:Jamboree;Acc:XB-GENE-993686]	1.2426	0.0161
ENSXETG00000018235	PPP1R13L	protein phosphatase 1, regulatory (inhibitor) subunit 13 like [Source:Jamboree;Acc:XB-GENE-5848597]	1.9748	0.0006
ENSXETG00000022545	PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C [Source:Jamboree;Acc:XB-GENE-487684]	1.9141	0.0000
ENSXETG00000012142	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B [Source:Jamboree;Acc:XB-GENE-982398]	1.6075	0.0000
ENSXETG00000012163	PPP1R7	protein phosphatase 1, regulatory (inhibitor) subunit 7 [Source:Jamboree;Acc:XB-GENE-964679]	1.1909	0.0447
ENSXETG00000020305	PPP1R9A	protein phosphatase 1, regulatory (inhibitor) subunit 9A [Source:Jamboree;Acc:XB-GENE-493280]	1.4171	0.0000
ENSXETG00000011604	PPP2R2C	protein phosphatase 2, regulatory subunit B, gamma [Source:Jamboree;Acc:XB-GENE-6076030]	1.4821	0.0000
ENSXETG00000010224	PPP2R5C	protein phosphatase 2, regulatory subunit B', gamma [Source:Jamboree;Acc:XB-GENE-479228]	1.5032	0.0000

ENSXETG00000010528	PPP3CB	protein phosphatase 3, catalytic subunit, beta isozyme [Source:Jamboree;Acc:XB-GENE-949827]	1.3230	0.0005
ENSXETG00000017355	PPP3R1	protein phosphatase 3, regulatory subunit B, alpha [Source:Jamboree;Acc:XB-GENE-948794]	1.2169	0.0138
ENSXETG00000026025	PPPDE2	PPPDE peptidase domain containing 2 [Source:Jamboree;Acc:XB-GENE-998981]	1.2951	0.0046
ENSXETG00000025946	PQLC1.1	PQ loop repeat containing 1, gene 1 [Source:Jamboree;Acc:XB-GENE-988363]	1.4766	0.0208
ENSXETG00000010261	PRDM6	PR domain containing 6 [Source:Jamboree;Acc:XB-GENE-854907]	1.3497	0.0016
ENSXETG00000021533	PRDM8	PR domain containing 8 [Source:Jamboree;Acc:XB-GENE-984391]	1.4030	0.0358
ENSXETG00000006009	PRDX5	peroxiredoxin 5 [Source:Jamboree;Acc:XB-GENE-1006734]	1.2503	0.0432
ENSXETG00000006797	PRICKLE1	prickle homolog 1 [Source:Jamboree;Acc:XB-GENE-486941]	1.8955	0.0000
ENSXETG00000006535	PRICKLE2	prickle homolog 2 [Source:Jamboree;Acc:XB-GENE-482891]	1.5058	0.0021
ENSXETG00000011138	PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit [Source:Jamboree;Acc:XB-GENE-5994580]	1.2650	0.0361
ENSXETG00000010190	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit [Source:Jamboree;Acc:XB-GENE-976418]	1.4453	0.0000
ENSXETG00000009727	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit [Source:Jamboree;Acc:XB-GENE-1010726]	1.3913	0.0001
ENSXETG00000001377	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) [Source:Jamboree;Acc:XB-GENE-856481]	1.3178	0.0004
ENSXETG00000017294	PRKCB	protein kinase C, beta [Source:Jamboree;Acc:XB-GENE-486491]	1.2811	0.0036
ENSXETG00000022951	PRKCE	protein kinase C, epsilon [Source:Jamboree;Acc:XB-GENE-981655]	1.3628	0.0033
ENSXETG00000010034	PRKCG	protein kinase C, gamma [Source:Jamboree;Acc:XB-GENE-876551]	1.4851	0.0000
ENSXETG00000014450	PRKCH	protein kinase C, eta [Source:Jamboree;Acc:XB-GENE-486685]	2.2001	0.0123
ENSXETG00000015999	PRKCZ	protein kinase C, zeta [Source:Jamboree;Acc:XB-GENE-494709]	1.2869	0.0021
ENSXETG00000019260	PROCA1	protein interacting with cyclin A1 [Source:Jamboree;Acc:XB-GENE-1005546]	1.4318	0.0000
ENSXETG00000000213	PRPH2	peripherin 2 (retinal degeneration, slow) [Source:Jamboree;Acc:XB-GENE-985594]	1.4622	0.0005
ENSXETG00000004035	PRSS12	protease, serine, 12 (neurotrypsin, motopsin) [Source:Jamboree;Acc:XB-GENE-984837]	1.9418	0.0002
ENSXETG00000019595	PSMD5	proteasome (prosome, macropain) 26S subunit, non-ATPase, 5 [Source:Jamboree;Acc:XB-GENE-491782]	1.2395	0.0345
ENSXETG00000017412	PTCHD2.2	patched domain containing 2, gene 2 [Source:Jamboree;Acc:XB-GENE-1033849]	1.2762	0.0391
ENSXETG00000007030	PTGER4	prostaglandin E receptor 4 (subtype EP4) [Source:Jamboree;Acc:XB-GENE-992300]	1.6273	0.0101
ENSXETG00000017538	PTK2B	PTK2B protein tyrosine kinase 2 beta [Source:Jamboree;Acc:XB-GENE-489525]	3.7367	0.0000
ENSXETG00000024183	PTPN4	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte) [Source:Jamboree;Acc:XB-GENE-995929]	1.2776	0.0145
ENSXETG00000005190	PTPRE	protein tyrosine phosphatase, receptor type, E [Source:Jamboree;Acc:XB-GENE-982136]	1.4537	0.0014
ENSXETG00000004287	PTPRM	protein tyrosine phosphatase, receptor type, M [Source:Jamboree;Acc:XB-GENE-5958903]	1.3001	0.0009
ENSXETG00000026804	PTPRR	protein tyrosine phosphatase, receptor type, R [Source:Jamboree;Acc:XB-GENE-961693]	1.2710	0.0064
ENSXETG00000003470	PTTG1IP.2	pituitary tumor-transforming 1 interacting protein, gene 2 [Source:Jamboree;Acc:XB-GENE-5751721]	1.2234	0.0306
ENSXETG00000001257	PURB	purine-rich element binding protein B [Source:Jamboree;Acc:XB-GENE-949705]	1.2652	0.0050
ENSXETG00000009243	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C) [Source:Jamboree;Acc:XB-GENE-986141]	1.3848	0.0055
ENSXETG00000012788	PYGM	phosphorylase, glycogen, muscle [Source:Jamboree;Acc:XB-GENE-955302]	1.3003	0.0004
ENSXETG00000018261	QPCTL	glutaminyl-peptide cyclotransferase-like [Source:Jamboree;Acc:XB-GENE-940804]	1.4850	0.0007
ENSXETG00000023156	QSOX1	quiescin Q6 sulfhydryl oxidase 1 [Source:Jamboree;Acc:XB-GENE-944881]	1.9663	0.0068
ENSXETG00000019330	R3HDM1	R3H domain containing 1 [Source:Jamboree;Acc:XB-GENE-984253]	1.3116	0.0004
ENSXETG00000011781	RAB11FIP5	RAB11 family interacting protein 5 (class 1) [Source:Jamboree;Acc:XB-GENE-481066]	1.6550	0.0011
ENSXETG00000002201	RAB15	RAB15, member RAS onocogene family [Source:Jamboree;Acc:XB-GENE-495026]	1.9324	0.0316
ENSXETG00000003366	RAB27B	RAB27B, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-491764]	1.3166	0.0013
ENSXETG00000012930	RAB3A	RAB3A, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-489999]	1.2036	0.0235
ENSXETG00000018853	RAB3C	RAB3C, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-494770]	1.7460	0.0002
ENSXETG00000002728	RAB3GAP2	RAB3 GTPase activating protein subunit 2 (non-catalytic) [Source:Jamboree;Acc:XB-GENE-987874]	1.2333	0.0384
ENSXETG00000022807	RAB40B	RAB40B, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-490554]	1.2310	0.0470
ENSXETG00000023200	RAB6A	RAB6A, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-494903]	1.3578	0.0412
ENSXETG00000018133	RAB9B	RAB9B, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-491211]	1.3682	0.0062
ENSXETG00000014935	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein) [Source:Jamboree;Acc:XB-GENE-494548]	1.2891	0.0039
ENSXETG00000021772	RALGPS1	Ral GEF with PH domain and SH3 binding motif 1 [Source:Jamboree;Acc:XB-GENE-996181]	1.3230	0.0283
ENSXETG00000017729	RALYL	RALY RNA binding protein-like [Source:Jamboree;Acc:XB-GENE-5767075]	1.3449	0.0001
ENSXETG00000015678	RAMP3	receptor (G protein-coupled) activity modifying protein 3 [Source:Jamboree;Acc:XB-GENE-983292]	1.3459	0.0278
ENSXETG00000012970	RAP1GAP2	RAP1 GTPase activating protein 2 [Source:Jamboree;Acc:XB-GENE-6050621]	1.5347	0.0000
ENSXETG00000007529	RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1 [Source:Jamboree;Acc:XB-GENE-1004455]	1.2895	0.0024
ENSXETG00000023495	RAP2A	RAP2A, member of RAS oncogene family [Source:Jamboree;Acc:XB-GENE-479951]	1.2121	0.0250
ENSXETG00000007521	RAPGEF4	Rap guanine nucleotide exchange factor (GEF) 4 [Source:Jamboree;Acc:XB-GENE-6048644]	1.3218	0.0011
ENSXETG00000024396	RAPGEFL1	Rap guanine nucleotide exchange factor (GEF)-like 1 [Source:Jamboree;Acc:XB-GENE-994178]	1.5149	0.0068
ENSXETG00000013833	RASA3	RAS p21 protein activator 3 [Source:Jamboree;Acc:XB-GENE-920756]	1.4089	0.0005
ENSXETG00000013420	RASD2	RASD family, member 2 [Source:Jamboree;Acc:XB-GENE-494969]	1.4110	0.0000
ENSXETG00000000607	RASGEF1A	RasGEF domain family, member 1A [Source:Jamboree;Acc:XB-GENE-5739365]	1.9615	0.0149
ENSXETG00000012564	RASGEF1B	RasGEF domain family, member 1B [Source:Jamboree;Acc:XB-GENE-1015760]	1.4442	0.0000
ENSXETG00000022942	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2 [Source:Jamboree;Acc:XB-GENE-483993]	1.3646	0.0039
ENSXETG00000018074	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG-regulated) [Source:Jamboree;Acc:XB-GENE-489811]	1.6458	0.0326
ENSXETG00000027778	RASSF3	Ras association (RalGDS/AF-6) domain family member 3 [Source:Jamboree;Acc:XB-GENE-487150]	1.3667	0.0003
ENSXETG00000023679	RASSF5	Ras association (RalGDS/AF-6) domain family member 5 [Source:Jamboree;Acc:XB-GENE-6468139]	2.1113	0.0003
ENSXETG00000020236	RBFOX3	RNA binding protein, fox-1 homolog (C. elegans) 3 [Source:Jamboree;Acc:XB-GENE-976381]	1.1892	0.0391
ENSXETG00000022412	RBM46	probable RNA-binding protein 46 [Source:RefSeq peptide;Acc:NP_001072501]	1.5279	0.0000
ENSXETG00000008249	RBP1	retinol binding protein 1, cellular [Source:Jamboree;Acc:XB-GENE-942286]	1.2989	0.0095
ENSXETG00000003636	RCAN1	regulator of calcineurin 1 [Source:Jamboree;Acc:XB-GENE-489568]	1.5827	0.0000
ENSXETG00000016260	RCAN2	regulator of calcineurin 2 [Source:Jamboree;Acc:XB-GENE-945556]	1.3503	0.0006
ENSXETG00000002710	RCOR2	REST corepressor 2 [Source:Jamboree;Acc:XB-GENE-482248]	1.2018	0.0336
ENSXETG00000025416	RDH16	retinol dehydrogenase 16 (all-trans) [Source:Jamboree;Acc:XB-GENE-1007896]	1.8895	0.0244
ENSXETG00000017972	REEP1	receptor accessory protein 1 [Source:HGNC Symbol;Acc:HGNC:25786]	1.2412	0.0100
ENSXETG00000024013	REM1	RAS (RAD and GEM)-like GTP-binding 1 [Source:Jamboree;Acc:XB-GENE-493530]	1.9291	0.0004
ENSXETG00000013757	REM2	RAS (RAD and GEM)-like GTP binding 2 [Source:Jamboree;Acc:XB-GENE-491229]	1.3127	0.0130
ENSXETG00000021721	RENBP	renin binding protein [Source:Jamboree;Acc:XB-GENE-977425]	1.4608	0.0014
ENSXETG00000001110	REPS2	RALBP1 associated Eps domain containing 2 [Source:Jamboree;Acc:XB-GENE-985000]	1.5473	0.0000
ENSXETG00000027904	RER1	RER1 retention in endoplasmic reticulum 1 homolog [Source:Jamboree;Acc:XB-GENE-954178]	1.2494	0.0170
ENSXETG00000022517	RERG	RAS-like, estrogen-regulated, growth inhibitor [Source:Jamboree;Acc:XB-GENE-489597]	1.2945	0.0065
ENSXETG00000017736	RERGL	RERG/RAS-like [Source:Jamboree;Acc:XB-GENE-6037390]	3.3239	0.0001
ENSXETG00000019375	REV1	REV1 homolog [Source:Jamboree;Acc:XB-GENE-968197]	1.8036	0.0000
ENSXETG00000000759	RFK	riboflavin kinase [Source:Jamboree;Acc:XB-GENE-1010122]	1.4948	0.0139
ENSXETG00000019657	RFNG	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Source:Jamboree;Acc:XB-GENE-483389]	1.1857	0.0403
ENSXETG00000005675	RGS2	regulator of G-protein signaling 2, 24kDa [Source:Jamboree;Acc:XB-GENE-968776]	1.9884	0.0000
ENSXETG00000002503	RGS3	regulator of G-protein signaling 3 [Source:Jamboree;Acc:XB-GENE-5900212]	1.3139	0.0029
ENSXETG00000010462	RGS5	regulator of G-protein signaling 5 [Source:Jamboree;Acc:XB-GENE-971917]	1.2847	0.0102
ENSXETG00000012110	RHBDL1	rhomboid, veinlet-like 1 [Source:Jamboree;Acc:XB-GENE-953355]	1.2383	0.0133
ENSXETG00000010513	RHOBTB2	Rho-related BTB domain containing 2 [Source:Jamboree;Acc:XB-GENE-964295]	1.2025	0.0231
ENSXETG00000006898	RHOC	ras homolog gene family, member C [Source:Jamboree;Acc:XB-GENE-941426]	1.3899	0.0000
ENSXETG00000003068	RIBC2	RIB43A domain with coiled-coils 2 [Source:Jamboree;Acc:XB-GENE-1014141]	1.5070	0.0109
ENSXETG00000002308	RIMS1	regulating synaptic membrane exocytosis 1 [Source:Jamboree;Acc:XB-GENE-1012759]	1.1946	0.0322
ENSXETG00000017630	RIMS3	regulating synaptic membrane exocytosis 3 [Source:Jamboree;Acc:XB-GENE-5959540]	1.4998	0.0006
ENSXETG00000009700	RIN2	Ras and Rab interactor 2 [Source:Jamboree;Acc:XB-GENE-484799]	1.2730	0.0268
ENSXETG00000004762	RNASEH2A	ribonuclease H2, subunit A [Source:Jamboree;Acc:XB-GENE-945840]	1.2919	0.0009
ENSXETG00000015941	RNF130	ring finger protein 130 precursor [Source:RefSeq peptide;Acc:NP_001107712]	1.3140	0.0016
ENSXETG00000008400	RNF141	ring finger protein 141 [Source:Jamboree;Acc:XB-GENE-5929937]	1.2074	0.0425
ENSXETG00000017873	RNF19A	ring finger protein 19A [Source:Jamboree;Acc:XB-GENE-852864]	1.2155	0.0366
ENSXETG00000009498	RNF41	ring finger protein 41 [Source:Jamboree;Acc:XB-GENE-943148]	1.2461	0.0237
ENSXETG00000011475	RNFT2	ring finger protein, transmembrane 2 [Source:Jamboree;Acc:XB-GENE-966981]	1.2627	0.0336
ENSXETG00000017322	RPRD1A	regulation of nuclear pre-mRNA domain containing 1A [Source:Jamboree;Acc:XB-GENE-949983]	1.1920	0.0309
ENSXETG00000019162	RPRML	reprimo-like [Source:Jamboree;Acc:XB-GENE-996624]	1.5645	0.0000
ENSXETG00000019115	RRAGD	Ras-related GTP binding D [Source:Jamboree;Acc:XB-GENE-490463]	2.0942	0.0002
ENSXETG00000004121	RRM2B	ribonucleotide reductase M2 B (TP53 inducible) [Source:Jamboree;Acc:XB-GENE-970633]	1.4804	0.0000
ENSXETG00000010879	RSPH9	radial spoke head 9 homolog [Source:Jamboree;Acc:XB-GENE-5941075]	1.4541	0.0035
ENSXETG00000004208	RTDR1	rhabdoid tumor deletion region gene 1 [Source:Jamboree;Acc:XB-GENE-980692]	1.2314	0.0208
ENSXETG00000021714	RTKN	rhotekin [Source:Jamboree;Acc:XB-GENE-5943262]	1.3910	0.0002
ENSXETG00000016983	RTN1	reticulon 1 [Source:Jamboree;Acc:XB-GENE-1011333]	1.1927	0.0409

ENSXETG00000012179	RTN4R	reticulon 4 receptor [Source:Jamboree;Acc:XB-GENE-6065292]	1.3906	0.0009
ENSXETG00000013534	RTN4RL1	reticulon 4 receptor-like 1 [Source:Jamboree;Acc:XB-GENE-961465]	1.2197	0.0322
ENSXETG00000019493	RXFP1	relaxin/insulin-like family peptide receptor 1 [Source:Jamboree;Acc:XB-GENE-985695]	1.4951	0.0049
ENSXETG00000019186	RXFP2	relaxin/insulin-like family peptide receptor 2 [Source:Jamboree;Acc:XB-GENE-1011464]	1.3968	0.0003
ENSXETG00000012733	RXRA	retinoid X receptor, alpha [Source:Jamboree;Acc:XB-GENE-478718]	1.3593	0.0159
ENSXETG00000015914	RYBP	RING1 and YY1 binding protein [Source:Jamboree;Acc:XB-GENE-992066]	1.3922	0.0001
ENSXETG00000002823	RYR1	ryanodine receptor 1 (skeletal) [Source:Jamboree;Acc:XB-GENE-1013509]	2.6171	0.0000
ENSXETG00000025078	SAMD13	sterile alpha motif domain containing 13 [Source:Jamboree;Acc:XB-GENE-5864959]	1.3552	0.0010
ENSXETG00000026439	SAMD7	sterile alpha motif domain containing 7 [Source:Jamboree;Acc:XB-GENE-948462]	2.0496	0.0059
ENSXETG00000009864	SAMD8	sterile alpha motif domain containing 8 [Source:Jamboree;Acc:XB-GENE-1012742]	1.2898	0.0153
ENSXETG00000010325	SBK1	SH3 domain binding kinase 1 [Source:HGNC Symbol;Acc:HGNC:17699]	1.1936	0.0499
ENSXETG00000016827	SCAI	suppressor of cancer cell invasion [Source:Jamboree;Acc:XB-GENE-6035608]	1.4232	0.0142
ENSXETG00000000547	SCAMP1	secretory carrier membrane protein 1 [Source:Jamboree;Acc:XB-GENE-974711]	1.3464	0.0002
ENSXETG00000010669	SCAMP5	secretory carrier membrane protein 5 [Source:Jamboree;Acc:XB-GENE-1006975]	1.2505	0.0033
ENSXETG00000007895	SCCPDH.2	saccharopine dehydrogenase (putative) [Source:Jamboree;Acc:XB-GENE-5761597]	2.0779	0.0000
ENSXETG00000023757	SCD	stearoyl-CoA desaturase (delta-9-desaturase) [Source:Jamboree;Acc:XB-GENE-988226]	1.2604	0.0039
ENSXETG00000024551	SCEL	sciellin [Source:Jamboree;Acc:XB-GENE-998743]	1.3701	0.0058
ENSXETG00000010122	SCN2B	sodium channel, voltage-gated, type II, beta [Source:Jamboree;Acc:XB-GENE-921739]	1.2326	0.0112
ENSXETG00000010123	SCN4B	sodium channel, voltage-gated, type IV, beta [Source:Jamboree;Acc:XB-GENE-921510]	1.6130	0.0000
ENSXETG00000012423	SCNN1G	sodium channel, nonvoltage-gated 1, gamma [Source:Jamboree;Acc:XB-GENE-980897]	2.8266	0.0462
ENSXETG00000012277	SCUBE1	signal peptide, CUB domain, EGF-like 1 [Source:Jamboree;Acc:XB-GENE-1009947]	1.4416	0.0298
ENSXETG00000005692	SCXA	scleraxis homolog A [Source:Jamboree;Acc:XB-GENE-939816]	1.3563	0.0029
ENSXETG00000009213	SEC62	SEC62 homolog [Source:Jamboree;Acc:XB-GENE-941020]	1.2196	0.0221
ENSXETG00000007312	SEMA3F	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F [Source:Jamboree;Acc:XB-GENE-940271]	1.2305	0.0265
ENSXETG00000001778	SERINC3	serine incorporator 3 [Source:Jamboree;Acc:XB-GENE-950521]	1.2779	0.0064
ENSXETG00000026808	SERP2	stress-associated endoplasmic reticulum protein family member 2 [Source:Jamboree;Acc:XB-GENE-954859]	1.3971	0.0015
ENSXETG00000000624	SERPINB1	serpin peptidase inhibitor, clade B (ovalbumin), member 1 [Source:Jamboree;Acc:XB-GENE-1217264]	2.1366	0.0000
ENSXETG00000027588	SERPINB6	serpin peptidase inhibitor, clade B (ovalbumin), member 6 [Source:Jamboree;Acc:XB-GENE-1001870]	1.5209	0.0001
ENSXETG00000028081	SERPINE2	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2 [Source:Jamboree;Acc:XB-GENE-947567]	1.2827	0.0026
ENSXETG00000013544	SERPINF2	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2 [Source:Jamboree;Acc:XB-GENE-877015]	2.6279	0.0018
ENSXETG00000022866	SERPINI1	serpin peptidase inhibitor, clade I (neuroserpin), member 1 [Source:Jamboree;Acc:XB-GENE-948443]	1.2304	0.0163
ENSXETG00000000221	SERTAD4	SERTA domain containing 4 [Source:Jamboree;Acc:XB-GENE-943347]	1.3600	0.0001
ENSXETG00000016939	SETD7	SET domain containing (lysine methyltransferase) 7 [Source:Jamboree;Acc:XB-GENE-949196]	1.4607	0.0009
ENSXETG00000014343	SEZ6	seizure related 6 homolog [Source:Jamboree;Acc:XB-GENE-1013132]	1.1977	0.0284
ENSXETG00000004211	SEZ6L	seizure related 6 homolog-like [Source:Jamboree;Acc:XB-GENE-6258883]	1.2853	0.0184
ENSXETG00000001863	SFMBT2	Scm-like with four mbt domains 2 [Source:Jamboree;Acc:XB-GENE-1217645]	1.5413	0.0003
ENSXETG00000025905	SFT2D2	SFT2 domain containing 2 [Source:Jamboree;Acc:XB-GENE-5821052]	1.3910	0.0418
ENSXETG00000011676	SGCB	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein) [Source:Jamboree;Acc:XB-GENE-943307]	1.3762	0.0001
ENSXETG00000021081	SGCG	sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein) [Source:Jamboree;Acc:XB-GENE-956423]	1.5104	0.0059
ENSXETG00000018672	SGSM1	small G protein signaling modulator 1 [Source:Jamboree;Acc:XB-GENE-6043600]	1.2784	0.0289
ENSXETG00000025095	SH3BGR	SH3 domain binding glutamic acid-rich protein [Source:Jamboree;Acc:XB-GENE-946020]	1.5836	0.0000
ENSXETG00000012549	SH3BP5	SH3-domain binding protein 5 (BTK-associated) [Source:Jamboree;Acc:XB-GENE-959548]	1.2365	0.0141
ENSXETG00000018020	SH3GL2	SH3-domain GRB2-like 2 [Source:Jamboree;Acc:XB-GENE-1012090]	1.3934	0.0406
ENSXETG00000018646	SH3RF3	SH3 domain containing ring finger 3 [Source:HGNC Symbol;Acc:HGNC:24699]	1.3636	0.0130
ENSXETG00000010680	SHISA2	shisa 2 [Source:Jamboree;Acc:XB-GENE-939915]	2.0104	0.0000
ENSXETG00000004167	SHROOM1	shroom family member 1 [Source:Jamboree;Acc:XB-GENE-6492080]	1.5359	0.0001
ENSXETG00000003762	SIK3	SIK family kinase 3 [Source:Jamboree;Acc:XB-GENE-6042192]	1.3517	0.0008
ENSXETG00000021825	SIPA1L1	signal-induced proliferation-associated 1 like 1 [Source:Jamboree;Acc:XB-GENE-866790]	1.3495	0.0069
ENSXETG00000019731	SLC13A5	solute carrier family 13 (sodium-dependent citrate transporter), member 5 [Source:Jamboree;Acc:XB-GENE-983513]	2.7264	0.0000
ENSXETG00000012024	SLC15A2	solute carrier family 15 (H+/peptide transporter), member 2 [Source:Jamboree;Acc:XB-GENE-486968]	2.5750	0.0053
ENSXETG00000012467	SLC16A13	solute carrier family 16, member 13 (monocarboxylic acid transporter 13) [Source:Jamboree;Acc:XB-GENE-5905916]	1.3884	0.0280
ENSXETG00000019700	SLC16A3	solute carrier family 16, member 3 (monocarboxylic acid transporter 4) [Source:Jamboree;Acc:XB-GENE-483002]	1.3427	0.0057
ENSXETG00000021479	SLC16A7	solute carrier family 16, member 7 (monocarboxylic acid transporter 2) [Source:Jamboree;Acc:XB-GENE-1008526]	1.6400	0.0000
ENSXETG00000005121	SLC16A9	solute carrier family 16, member 9 (monocarboxylic acid transporter 9) [Source:Jamboree;Acc:XB-GENE-961458]	1.6310	0.0048
ENSXETG00000008393	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6 [Source:Jamboree;Acc:XB-GENE-1011394]	1.5795	0.0000
ENSXETG00000003399	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7 [Source:Jamboree;Acc:XB-GENE-5742677]	1.2028	0.0265
ENSXETG00000011685	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 [Source:Jamboree;Acc:XB-GENE-1011544]	1.5871	0.0000
ENSXETG00000014497	SLC22A13	solute carrier family 22 (organic anion transporter), member 13 [Source:Jamboree;Acc:XB-GENE-959647]	1.2905	0.0441
ENSXETG00000018025	SLC22A23	solute carrier family 22, member 23 [Source:Jamboree;Acc:XB-GENE-966989]	1.5641	0.0000
ENSXETG00000016584	SLC22A4	solute carrier family 22 (organic cation/ergothioneine transporter), member 4 [Source:Jamboree;Acc:XB-GENE-5858686]	1.3979	0.0260
ENSXETG00000016853	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2 [Source:Jamboree;Acc:XB-GENE-966414]	1.4348	0.0003
ENSXETG00000018810	SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12 [Source:Jamboree;Acc:XB-GENE-1002100]	1.7643	0.0000
ENSXETG00000007731	SLC25A25	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25 [Source:Jamboree;Acc:XB-GENE-5933194]	1.2801	0.0084
ENSXETG00000014657	SLC25A30	solute carrier family 25, member 30 [Source:Jamboree;Acc:XB-GENE-995074]	1.2249	0.0315
ENSXETG00000017639	SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1 [Source:Jamboree;Acc:XB-GENE-5755357]	1.3885	0.0000
ENSXETG00000015550	SLC2A13	solute carrier family 2 (facilitated glucose transporter), member 13 [Source:Jamboree;Acc:XB-GENE-492054]	1.4093	0.0000
ENSXETG00000002721	SLC30A10	solute carrier family 30, member 10 [Source:Jamboree;Acc:XB-GENE-1003783]	2.2060	0.0000
ENSXETG00000021074	SLC30A9	solute carrier family 30 (zinc transporter), member 9 [Source:Jamboree;Acc:XB-GENE-976698]	1.3796	0.0004
ENSXETG00000012306	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1 [Source:Jamboree;Acc:XB-GENE-971528]	1.4288	0.0447
ENSXETG00000002071	SLC35E1	solute carrier family 35, member E1 [Source:Jamboree;Acc:XB-GENE-996454]	1.2456	0.0106
ENSXETG00000019945	SLC35E4	solute carrier family 35, member E4 [Source:Jamboree;Acc:XB-GENE-980438]	1.3133	0.0107
ENSXETG00000011984	SLC35F4	solute carrier family 35, member F4 [Source:Jamboree;Acc:XB-GENE-983757]	1.4600	0.0015
ENSXETG00000015897	SLC38A7	solute carrier family 38, member 7 [Source:Jamboree;Acc:XB-GENE-5872357]	1.2792	0.0205
ENSXETG00000014976	SLC39A6	solute carrier family 39 (zinc transporter), member 6 [Source:Jamboree;Acc:XB-GENE-986480]	1.3269	0.0017
ENSXETG00000001883	SLC41A2	solute carrier family 41, member 2 [Source:Jamboree;Acc:XB-GENE-955988]	1.2744	0.0084
ENSXETG00000002987	SLC44A5	solute carrier family 44, member 5 [Source:Jamboree;Acc:XB-GENE-987953]	1.3445	0.0004
ENSXETG00000000993	SLC45A3	solute carrier family 45, member 3 [Source:Jamboree;Acc:XB-GENE-492251]	1.3215	0.0196
ENSXETG00000022931	SLC47A2	solute carrier family 47, member 2 [Source:Jamboree;Acc:XB-GENE-5793831]	1.2378	0.0352
ENSXETG00000027418	SLC48A1	solute carrier family 48 (heme transporter), member 1 [Source:Jamboree;Acc:XB-GENE-5804075]	1.3378	0.0072
ENSXETG00000016198	SLC4A10	solute carrier family 4, sodium bicarbonate transporter, member 10 [Source:Jamboree;Acc:XB-GENE-1011116]	1.4731	0.0002
ENSXETG00000022665	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10 [Source:Jamboree;Acc:XB-GENE-6035396]	2.9073	0.0000
ENSXETG00000011885	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 [Source:Jamboree;Acc:XB-GENE-479449]	1.7450	0.0000
ENSXETG00000009157	SLC7A14	solute carrier family 7 (orphan transporter), member 14 [Source:Jamboree;Acc:XB-GENE-1010371]	1.4148	0.0000
ENSXETG00000021616	SLC7A4	solute carrier family 7 (orphan transporter), member 4 [Source:Jamboree;Acc:XB-GENE-960138]	1.3763	0.0018
ENSXETG00000002790	SLC8A2	solute carrier family 8 (sodium/calcium exchanger), member 2 [Source:Jamboree;Acc:XB-GENE-992835]	1.3472	0.0036
ENSXETG00000002216	SLC8A3	solute carrier family 8 (sodium/calcium exchanger), member 3 [Source:Jamboree;Acc:XB-GENE-954537]	1.5931	0.0001
ENSXETG00000019761	SLC9A6	solute carrier family 9 (sodium/hydrogen exchanger), member 6 [Source:Jamboree;Acc:XB-GENE-6048314]	1.2596	0.0085
ENSXETG00000004133	SLC9A7	solute carrier family 9 (sodium/hydrogen exchanger), member 7 [Source:Jamboree;Acc:XB-GENE-487749]	1.2491	0.0099
ENSXETG00000001625	SLC9A9	solute carrier family 9 (sodium/hydrogen exchanger), member 9 [Source:Jamboree;Acc:XB-GENE-6045417]	1.4261	0.0073
ENSXETG00000007633	SLCO3A1	solute carrier organic anion transporter family, member 3A1 [Source:Jamboree;Acc:XB-GENE-6035424]	1.5157	0.0000
ENSXETG00000011257	SLCO4A1	solute carrier organic anion transporter family, member 4A1 [Source:Jamboree;Acc:XB-GENE-5905026]	1.8822	0.0000
ENSXETG00000013354	SLITRK1	SLIT and NTRK-like family, member 1 [Source:Jamboree;Acc:XB-GENE-998737]	1.3439	0.0005
ENSXETG00000004288	SLITRK2	SLIT and NTRK-like family, member 2 [Source:Jamboree;Acc:XB-GENE-964776]	1.3421	0.0020
ENSXETG00000001152	SLITRK3	SLIT and NTRK-like family, member 3 [Source:Jamboree;Acc:XB-GENE-964617]	1.2322	0.0309
ENSXETG00000012352	SLITRK4	SLIT and NTRK-like family, member 4 [Source:Jamboree;Acc:XB-GENE-983538]	1.3284	0.0105
ENSXETG00000023987	SLITRK5	SLIT and NTRK-like family, member 5 [Source:Jamboree;Acc:XB-GENE-6034846]	1.4440	0.0001
ENSXETG00000013348	SLITRK6	SLIT and NTRK-like family, member 6 [Source:Jamboree;Acc:XB-GENE-980871]	2.6851	0.0000
ENSXETG00000015939	SMAD6	SMAD family member 6 [Source:Jamboree;Acc:XB-GENE-481307]	1.8560	0.0000
ENSXETG00000020317	SMAD7	SMAD family member 7 [Source:Jamboree;Acc:XB-GENE-486004]	1.4154	0.0005

ENSXETG00000015299	SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 [Source:Jamboree;Acc:XB-GENE-1013843]	1.2431	0.0092
ENSXETG00000004098	SMG9	smg-9 homolog, nonsense mediated mRNA decay factor (C. elegans) [Source:Jamboree;Acc:XB-GENE-990837]	1.2739	0.0072
ENSXETG00000006675	SMPD3	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II) [Source:Jamboree;Acc:XB-GENE-1013642]	1.2055	0.0359
ENSXETG00000003857	SMS	spermine synthase [Source:Jamboree;Acc:XB-GENE-953534]	1.3595	0.0089
ENSXETG00000015096	SNAP25	synaptosomal-associated protein, 25kDa [Source:Jamboree;Acc:XB-GENE-948769]	1.1908	0.0293
ENSXETG00000022783	SNX13	sorting nexin 13 [Source:Jamboree;Acc:XB-GENE-6037458]	1.2629	0.0139
ENSXETG00000016406	SNX17	sorting nexin 17 [Source:Jamboree;Acc:XB-GENE-997760]	1.3421	0.0015
ENSXETG00000017864	SNX31	sorting nexin 31 [Source:Jamboree;Acc:XB-GENE-5933724]	2.8592	0.0005
ENSXETG00000019261	SOBP	sine oculis binding protein homolog [Source:RefSeq peptide;Acc:NP_001096678]	1.4113	0.0013
ENSXETG00000024895	SOCS1	suppressor of cytokine signaling 1 [Source:Jamboree;Acc:XB-GENE-491220]	1.7084	0.0006
ENSXETG00000003625	SORCS3	sortilin-related VPS10 domain containing receptor 3 [Source:Jamboree;Acc:XB-GENE-996343]	1.2166	0.0298
ENSXETG00000011868	SORT1	sortilin 1 [Source:Jamboree;Acc:XB-GENE-982637]	1.2980	0.0028
ENSXETG00000022798	SOSTDC1	sclerostin domain containing 1 [Source:Jamboree;Acc:XB-GENE-478256]	1.7555	0.0005
ENSXETG00000006348	SOX10	SRY (sex determining region Y)-box 10 [Source:Jamboree;Acc:XB-GENE-480304]	1.6382	0.0006
ENSXETG00000024011	SOX12	SRY (sex determining region Y)-box 12 [Source:Jamboree;Acc:XB-GENE-483252]	2.5098	0.0000
ENSXETG00000020893	SPAG17	sperm associated antigen 17 [Source:Jamboree;Acc:XB-GENE-6257510]	1.7214	0.0002
ENSXETG00000011059	SPAG9	sperm associated antigen 9 [Source:Jamboree;Acc:XB-GENE-484511]	1.2792	0.0032
ENSXETG00000024008	SPATA2	spermatogenesis associated 2 [Source:Jamboree;Acc:XB-GENE-1000068]	1.3416	0.0050
ENSXETG00000006748	SPECC1	sperm antigen with calponin homology and coiled-coil domains 1 [Source:Jamboree;Acc:XB-GENE-956924]	1.2984	0.0048
ENSXETG00000026715	SPEF1	sperm flagellar 1 [Source:Jamboree;Acc:XB-GENE-1003954]	1.7584	0.0000
ENSXETG00000000155	SPINT2	serine peptidase inhibitor, Kunitz type, 2 [Source:Jamboree;Acc:XB-GENE-947329]	2.1323	0.0013
ENSXETG00000014000	SPRED2	sprouty-related, EVH1 domain containing 2 [Source:Jamboree;Acc:XB-GENE-485591]	1.2984	0.0021
ENSXETG00000001822	SPRYD3	SPRY domain containing 3 [Source:Jamboree;Acc:XB-GENE-5957038]	1.2660	0.0052
ENSXETG00000023050	SQLE	squalene epoxidase [Source:Jamboree;Acc:XB-GENE-1013583]	1.2961	0.0023
ENSXETG00000014743	SRCIN1	SRC kinase signaling inhibitor 1 [Source:Jamboree;Acc:XB-GENE-994086]	1.2823	0.0015
ENSXETG00000001999	SS18L1	synovial sarcoma translocation gene on chromosome 18-like 1 [Source:Jamboree;Acc:XB-GENE-993774]	1.3610	0.0004
ENSXETG00000017954	SSH2	slingshot homolog 2 [Source:Jamboree;Acc:XB-GENE-993093]	1.2156	0.0328
ENSXETG00000028082	SSNA1	Sjogren syndrome nuclear autoantigen 1 [Source:Jamboree;Acc:XB-GENE-491875]	1.2347	0.0376
ENSXETG00000009978	SSTR2	somatostatin receptor 2 [Source:Jamboree;Acc:XB-GENE-953419]	1.7830	0.0033
ENSXETG00000016039	SSTR3	somatostatin receptor 3 [Source:Jamboree;Acc:XB-GENE-984793]	1.4588	0.0012
ENSXETG00000010989	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1 [Source:Jamboree;Acc:XB-GENE-961931]	1.7200	0.0082
ENSXETG00000003486	ST3GAL3	ST3 beta-galactoside alpha-2,3-sialyltransferase 3 [Source:Jamboree;Acc:XB-GENE-941048]	1.2301	0.0208
ENSXETG00000002971	ST6GALNAC5	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5 [Source:Jamboree;Acc:XB-GENE-953591]	1.6616	0.0000
ENSXETG00000007458	ST8SIA6	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 6 [Source:Jamboree;Acc:XB-GENE-992405]	1.3411	0.0257
ENSXETG00000021702	STAM2	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2 [Source:Jamboree;Acc:XB-GENE-491139]	1.2115	0.0458
ENSXETG00000009006	STAR	steroidogenic acute regulatory protein [Source:Jamboree;Acc:XB-GENE-999724]	4.3010	0.0323
ENSXETG00000006201	STARD10	StAR-related lipid transfer (START) domain containing 10 [Source:Jamboree;Acc:XB-GENE-5824671]	1.3176	0.0014
ENSXETG00000006929	STARD4	StAR-related lipid transfer (START) domain containing 4 [Source:Jamboree;Acc:XB-GENE-5944117]	1.3484	0.0089
ENSXETG00000000988	STARD9	StAR-related lipid transfer (START) domain containing 9 [Source:Jamboree;Acc:XB-GENE-995220]	1.5263	0.0046
ENSXETG00000000903	STIM2	stromal interaction molecule 2 [Source:Jamboree;Acc:XB-GENE-992607]	1.4348	0.0194
ENSXETG00000012715	STK32A	serine/threonine kinase 32A [Source:Jamboree;Acc:XB-GENE-490728]	1.3736	0.0109
ENSXETG00000003358	STMN3	stathmin-like 3 [Source:Jamboree;Acc:XB-GENE-5918431]	1.2651	0.0271
ENSXETG00000017530	STMN4	stathmin-like 4 [Source:Jamboree;Acc:XB-GENE-1009072]	1.3009	0.0012
ENSXETG00000008837	STOX1	storkhead box 1 [Source:Jamboree;Acc:XB-GENE-1012540]	1.5073	0.0006
ENSXETG00000010345	STX1A	syntaxin 1A (brain) [Source:Jamboree;Acc:XB-GENE-976753]	1.2272	0.0130
ENSXETG00000005583	SURF4.1	surfeit 4, gene 1 [Source:Jamboree;Acc:XB-GENE-5807555]	1.3693	0.0021
ENSXETG00000002609	SVEP1	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1 [Source:Jamboree;Acc:XB-GENE-5996067]	1.5895	0.0000
ENSXETG00000022304	SVOP	SV2 related protein homolog [Source:Jamboree;Acc:XB-GENE-939906]	1.2750	0.0027
ENSXETG00000018016	SYBU	syntabulin (syntaxin-interacting) [Source:Jamboree;Acc:XB-GENE-979776]	1.3319	0.0002
ENSXETG00000015622	SYN2	synapsin II [Source:Jamboree;Acc:XB-GENE-959237]	1.5454	0.0000
ENSXETG00000011517	SYN3	synapsin III [Source:HGNC Symbol;Acc:HGNC:11496]	1.5528	0.0000
ENSXETG00000006915	SYNGR1	synaptogyrin 1 [Source:Jamboree;Acc:XB-GENE-494921]	1.3505	0.0001
ENSXETG00000022670	SYNGR3	synaptogyrin 3 [Source:Jamboree;Acc:XB-GENE-949635]	1.3310	0.0010
ENSXETG00000009899	SYNJ1	synaptojanin 1 [Source:Jamboree;Acc:XB-GENE-956330]	1.2093	0.0261
ENSXETG00000018811	SYNM	synemin, intermediate filament protein [Source:Jamboree;Acc:XB-GENE-992892]	2.6057	0.0008
ENSXETG00000004068	SYT1	synaptotagmin 1 [Source:Jamboree;Acc:XB-GENE-5752629]	1.2114	0.0214
ENSXETG00000008157	SYT15	synaptotagmin XV [Source:Jamboree;Acc:XB-GENE-6050096]	1.5471	0.0006
ENSXETG00000017094	SYT2	synaptotagmin II [Source:Jamboree;Acc:XB-GENE-981211]	2.0572	0.0076
ENSXETG00000000204	SYT3	synaptotagmin 3 [Source:Jamboree;Acc:XB-GENE-956378]	1.2585	0.0071
ENSXETG00000015442	SYT4	synaptotagmin 4 [Source:Jamboree;Acc:XB-GENE-5963049]	1.4189	0.0000
ENSXETG00000003212	SYT5	synaptotagmin V [Source:Jamboree;Acc:XB-GENE-991349]	1.4730	0.0006
ENSXETG00000009775	SYTL3	synaptotagmin-like 3 [Source:Jamboree;Acc:XB-GENE-5884483]	1.8959	0.0384
ENSXETG00000008597	SYTL5	synaptotagmin-like 5 [Source:Jamboree;Acc:XB-GENE-982310]	1.6114	0.0001
ENSXETG00000005370	T	T, brachyury homolog [Source:Jamboree;Acc:XB-GENE-478789]	2.4944	0.0000
ENSXETG00000011341	TAOK2	TAO kinase 2 [Source:Jamboree;Acc:XB-GENE-5714821]	1.2098	0.0342
ENSXETG00000020338	TAPT1	transmembrane anterior posterior transformation 1 [Source:Jamboree;Acc:XB-GENE-5742749]	1.2369	0.0189
ENSXETG00000008080	TASP1	taspase, threonine aspartase, 1 [Source:Jamboree;Acc:XB-GENE-5829718]	1.7736	0.0000
ENSXETG00000000906	TBC1D19	TBC1 domain family, member 19 [Source:Jamboree;Acc:XB-GENE-5905231]	1.3806	0.0004
ENSXETG00000014933	TBC1D9	TBC1 domain family, member 9 (with GRAM domain) [Source:Jamboree;Acc:XB-GENE-5992769]	1.3050	0.0024
ENSXETG00000005948	TCTA	T-cell leukemia translocation altered gene [Source:Jamboree;Acc:XB-GENE-954032]	1.3880	0.0006
ENSXETG00000006790	TCTEX1D1	Tctex1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-5960232]	2.0045	0.0000
ENSXETG00000000682	TDH	L-threonine dehydrogenase [Source:Jamboree;Acc:XB-GENE-976744]	1.9829	0.0000
ENSXETG00000024038	TECPR1	tectonin beta-propeller repeat containing 1 [Source:Jamboree;Acc:XB-GENE-5865975]	1.3973	0.0000
ENSXETG00000007222	TEX2.1	testis expressed 2, gene 1 [Source:Jamboree;Acc:XB-GENE-5879889]	2.0429	0.0000
ENSXETG00000019114	TFE3	transcription factor binding to IGHM enhancer 3 [Source:Jamboree;Acc:XB-GENE-5918222]	1.8185	0.0000
ENSXETG00000019180	TFF2	trefoil factor 2 [Source:Jamboree;Acc:XB-GENE-5824118]	1.4490	0.0000
ENSXETG00000018791	TGFB1I1	transforming growth factor beta 1 induced transcript 1 [Source:Jamboree;Acc:XB-GENE-493249]	1.3858	0.0049
ENSXETG00000015347	TGFB2	transforming growth factor, beta 2 [Source:Jamboree;Acc:XB-GENE-480560]	1.7192	0.0000
ENSXETG00000006338	THBS3	thrombospondin 3 [Source:Jamboree;Acc:XB-GENE-5761978]	1.3961	0.0193
ENSXETG00000007922	THIBZ	thyroid hormone induced bZip protein [Source:Jamboree;Acc:XB-GENE-484679]	54.1834	0.0000
ENSXETG00000003871	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2) [Source:Jamboree;Acc:XB-GENE-6070709]	6.1361	0.0000
ENSXETG00000021603	THY1	Thy-1 cell surface antigen [Source:Jamboree;Acc:XB-GENE-493820]	1.4780	0.0000
ENSXETG00000007347	TIAM1	T-cell lymphoma invasion and metastasis [Source:Jamboree;Acc:XB-GENE-1006478]	1.4205	0.0460
ENSXETG00000004680	TIGD5	tigger transposable element derived 5 [Source:Jamboree;Acc:XB-GENE-6257697]	1.3085	0.0459
ENSXETG00000001473	TMCC1	transmembrane and coiled-coil domain family 1 [Source:Jamboree;Acc:XB-GENE-5881367]	1.2821	0.0238
ENSXETG00000011330	TMEM106B	transmembrane protein 106B [Source:Jamboree;Acc:XB-GENE-5843726]	1.2257	0.0347
ENSXETG00000008980	TMEM120A	transmembrane protein 120A [Source:Jamboree;Acc:XB-GENE-5858565]	1.2994	0.0362
ENSXETG00000016992	TMEM121	transmembrane protein 121 [Source:Jamboree;Acc:XB-GENE-1012117]	1.5127	0.0002
ENSXETG00000020076	TMEM130	transmembrane protein 130 [Source:Jamboree;Acc:XB-GENE-6462848]	1.4387	0.0012
ENSXETG00000023736	TMEM132D	transmembrane protein 132D [Source:Jamboree;Acc:XB-GENE-5874430]	1.5216	0.0011
ENSXETG00000012053	TMEM145	transmembrane protein 145 [Source:Jamboree;Acc:XB-GENE-977882]	1.2228	0.0365
ENSXETG00000016712	TMEM159	transmembrane protein 159 [Source:Jamboree;Acc:XB-GENE-941359]	2.5005	0.0000
ENSXETG00000000509	TMEM163	transmembrane protein 163 [Source:Jamboree;Acc:XB-GENE-5808413]	1.4780	0.0000
ENSXETG00000012428	TMEM164	transmembrane protein 164 [Source:Jamboree;Acc:XB-GENE-961759]	1.3637	0.0003
ENSXETG00000000469	TMEM169	transmembrane protein 169 [Source:Jamboree;Acc:XB-GENE-975223]	1.3335	0.0078
ENSXETG00000018496	TMEM178.1	transmembrane protein 178, gene 1 [Source:Jamboree;Acc:XB-GENE-942687]	1.2905	0.0073
ENSXETG00000008615	TMEM179	transmembrane protein 179 [Source:Jamboree;Acc:XB-GENE-1008850]	2.2755	0.0378
ENSXETG00000024004	TMEM189	transmembrane protein 189 [Source:Jamboree;Acc:XB-GENE-5858239]	1.3234	0.0057
ENSXETG00000025014	TMEM200C	transmembrane protein 200C [Source:Jamboree;Acc:XB-GENE-6462781]	1.4080	0.0000
ENSXETG00000027689	TMEM229A	transmembrane protein 229A [Source:Jamboree;Acc:XB-GENE-969915]	1.8509	0.0000
ENSXETG00000003909	TMEM229B	transmembrane protein 229B [Source:Jamboree;Acc:XB-GENE-987311]	1.3496	0.0045
ENSXETG00000003607	TMEM30A	transmembrane protein 30A [Source:Jamboree;Acc:XB-GENE-5816275]	1.3437	0.0002

ENSXETG00000011196	TMEM59L	transmembrane protein 59-like [Source:Jamboree;Acc:XB-GENE-958345]	1.3926	0.0000
ENSXETG00000014606	TMEM64	transmembrane protein 64 [Source:Jamboree;Acc:XB-GENE-6076037]	1.5704	0.0000
ENSXETG00000027485	TMEM74	transmembrane protein 74 [Source:Jamboree;Acc:XB-GENE-940662]	1.3427	0.0193
ENSXETG00000020749	TMOD2	tropomodulin 2 (neuronal) [Source:Jamboree;Acc:XB-GENE-944511]	1.2811	0.0021
ENSXETG00000017962	TMPRSS11F	transmembrane protease, serine 11F [Source:Jamboree;Acc:XB-GENE-1012399]	7.4887	0.0160
ENSXETG00000010124	TMPRSS4	transmembrane protease, serine 4 [Source:Jamboree;Acc:XB-GENE-940762]	1.5888	0.0000
ENSXETG00000000326	TMTC1	transmembrane and tetratricopeptide repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:24099]	1.2612	0.0050
ENSXETG00000026035	TMX4	thioredoxin-related transmembrane protein 4 [Source:Jamboree;Acc:XB-GENE-992676]	1.3105	0.0048
ENSXETG00000012764	TNFAIP2	tumor necrosis factor, alpha-induced protein 2 [Source:Jamboree;Acc:XB-GENE-1005945]	1.5506	0.0000
ENSXETG00000020757	TNFAIP8L3	tumor necrosis factor, alpha-induced protein 8-like 3 [Source:Jamboree;Acc:XB-GENE-5763786]	3.9811	0.0266
ENSXETG00000018953	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A [Source:Jamboree;Acc:XB-GENE-996080]	1.4558	0.0143
ENSXETG00000011317	TNFRSF21	tumor necrosis factor receptor superfamily, member 21 [Source:Jamboree;Acc:XB-GENE-987803]	1.8499	0.0000
ENSXETG00000004612	TOLLIP	toll interacting protein [Source:Jamboree;Acc:XB-GENE-946207]	1.4357	0.0001
ENSXETG00000022235	TP53I11	tumor protein p53 inducible protein 11 [Source:Jamboree;Acc:XB-GENE-5885149]	1.2085	0.0445
ENSXETG00000019471	TP53INP2	tumor protein p53 inducible nuclear protein 2 [Source:Jamboree;Acc:XB-GENE-950012]	1.2756	0.0075
ENSXETG00000018660	TPBG	trophoblast glycoprotein [Source:Jamboree;Acc:XB-GENE-1016283]	1.3584	0.0068
ENSXETG00000021842	TPD52L1	tumor protein D52-like 1 [Source:Jamboree;Acc:XB-GENE-961168]	2.3319	0.0000
ENSXETG00000012746	TRAF3	TNF receptor-associated factor 3 [Source:Jamboree;Acc:XB-GENE-968262]	3.2552	0.0000
ENSXETG00000026235	TRAFD1	TRAF-type zinc finger domain containing 1 [Source:Jamboree;Acc:XB-GENE-958272]	1.1929	0.0418
ENSXETG00000001766	TRHR3	thyrotropin-releasing hormone receptor 3 [Source:Jamboree;Acc:XB-GENE-6492473]	2.6083	0.0324
ENSXETG00000027887	TRIB2	tribbles homolog 2 [Source:Jamboree;Acc:XB-GENE-489426]	1.3924	0.0000
ENSXETG00000007553	TRIM44	tripartite motif containing 44 [Source:Jamboree;Acc:XB-GENE-955117]	1.2530	0.0302
ENSXETG00000016487	TRIM9	tripartite motif containing 9 [Source:Jamboree;Acc:XB-GENE-961277]	1.2010	0.0401
ENSXETG00000010952	TRIT1	tRNA isopentenyltransferase 1 [Source:Jamboree;Acc:XB-GENE-494505]	1.1952	0.0286
ENSXETG00000000596	TRPC1	transient receptor potential cation channel, subfamily C, member 1 [Source:Jamboree;Acc:XB-GENE-1004978]	1.2859	0.0053
ENSXETG00000014669	TRPM4	transient receptor potential cation channel, subfamily M, member 4 [Source:Jamboree;Acc:XB-GENE-6257461]	3.3653	0.0137
ENSXETG00000001048	TRPM6	transient receptor potential cation channel, subfamily M, member 6 [Source:Jamboree;Acc:XB-GENE-958179]	1.3966	0.0006
ENSXETG00000003271	TRPM8	transient receptor potential cation channel, subfamily M, member 8 [Source:Jamboree;Acc:XB-GENE-998832]	2.4213	0.0000
ENSXETG00000005811	TRPV2	transient receptor potential cation channel, subfamily V, member 2 [Source:Jamboree;Acc:XB-GENE-6258127]	1.3702	0.0055
ENSXETG00000022236	TSPAN18	tetraspanin 18 [Source:Jamboree;Acc:XB-GENE-868385]	1.9000	0.0000
ENSXETG00000002879	TSPAN4	tetraspanin 4 [Source:Jamboree;Acc:XB-GENE-958395]	1.2909	0.0089
ENSXETG00000019055	TSPAN4	tetraspanin 4 [Source:HGNC Symbol;Acc:HGNC:11859]	1.2796	0.0035
ENSXETG00000009317	TSPAN5	tetraspanin 5 [Source:Jamboree;Acc:XB-GENE-868310]	1.3734	0.0001
ENSXETG00000006962	TSSC1	tumor suppressing subtransferable candidate 1 [Source:Jamboree;Acc:XB-GENE-953865]	1.2833	0.0103
ENSXETG00000000979	TTBK2	tau tubulin kinase 2 [Source:Jamboree;Acc:XB-GENE-493335]	1.2201	0.0321
ENSXETG00000017281	TTC16	tetratricopeptide repeat domain 16 [Source:Jamboree;Acc:XB-GENE-6462920]	1.5255	0.0000
ENSXETG00000003604	TTC35	tetratricopeptide repeat domain 35 [Source:Jamboree;Acc:XB-GENE-484487]	1.2093	0.0433
ENSXETG00000021763	TTYH3	tweety homolog 3 [Source:Jamboree;Acc:XB-GENE-941472]	1.2430	0.0325
ENSXETG00000019686	TUB	tubby homolog [Source:Jamboree;Acc:XB-GENE-962281]	1.2425	0.0069
ENSXETG00000001752	TUBA8	tubulin, alpha 8 [Source:Jamboree;Acc:XB-GENE-491247]	2.0154	0.0297
ENSXETG00000021860	TUBB4	tubulin, beta 4 [Source:Jamboree;Acc:XB-GENE-947407]	1.1873	0.0310
ENSXETG00000001314	TULP3	tubby like protein 3 [Source:Jamboree;Acc:XB-GENE-979585]	1.3430	0.0332
ENSXETG00000025552	TUSC5	tumor suppressor candidate 5 [Source:Jamboree;Acc:XB-GENE-5890856]	1.4275	0.0005
ENSXETG00000000052	TYRO3	TYRO3 protein tyrosine kinase [Source:Jamboree;Acc:XB-GENE-922144]	1.3199	0.0022
ENSXETG00000029503	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	1.4012	0.0000
ENSXETG00000003900	UBASH3B	ubiquitin associated and SH3 domain containing B [Source:Jamboree;Acc:XB-GENE-5757837]	1.7637	0.0000
ENSXETG00000025415	UBE2H	ubiquitin-conjugating enzyme E2H [Source:Jamboree;Acc:XB-GENE-941252]	1.2170	0.0298
ENSXETG00000004711	UCHL3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase) [Source:Jamboree;Acc:XB-GENE-980858]	1.4781	0.0004
ENSXETG00000010219	UGCG	UDP-glucose ceramide glucosyltransferase [Source:Jamboree;Acc:XB-GENE-944694]	1.2442	0.0197
ENSXETG00000010570	UGT8	UDP glycosyltransferase 8 [Source:Jamboree;Acc:XB-GENE-960667]	1.6518	0.0255
ENSXETG00000021133	ULK3	unc-51-like kinase 3 [Source:Jamboree;Acc:XB-GENE-5958931]	1.6872	0.0000
ENSXETG00000027055	UMODL1	uromodulin-like 1 [Source:Jamboree;Acc:XB-GENE-5965241]	1.8257	0.0197
ENSXETG00000013597	UNC13A	unc-13 homolog A [Source:Jamboree;Acc:XB-GENE-6039664]	1.1826	0.0447
ENSXETG00000019221	UNC5C	unc-5 homolog C [Source:Jamboree;Acc:XB-GENE-921628]	1.4021	0.0001
ENSXETG00000013401	UNC5D	unc-5 homolog D [Source:Jamboree;Acc:XB-GENE-922923]	1.9450	0.0000
ENSXETG00000002572	UPF3A	UPF3 regulator of nonsense transcripts homolog A [Source:Jamboree;Acc:XB-GENE-1005810]	1.2412	0.0146
ENSXETG00000009096	VAMP2	vesicle-associated membrane protein 2 (synaptobrevin 2) [Source:Jamboree;Acc:XB-GENE-5788095]	1.2429	0.0247
ENSXETG00000018389	VAMP7	vesicle-associated membrane protein 7 [Source:Jamboree;Acc:XB-GENE-963013]	1.2563	0.0288
ENSXETG00000012696	VAT1L	vesicle amine transport protein 1 homolog-like [Source:Jamboree;Acc:XB-GENE-952539]	1.5010	0.0000
ENSXETG00000014041	VGLL2	vestigial like 2 [Source:Jamboree;Acc:XB-GENE-1006373]	1.3279	0.0322
ENSXETG00000014965	VIL1	villin 1 [Source:Jamboree;Acc:XB-GENE-965127]	2.9738	0.0000
ENSXETG00000027061	VPS16	vacuolar protein sorting 16 homolog [Source:Jamboree;Acc:XB-GENE-5856292]	1.2340	0.0367
ENSXETG00000003889	VPS35	vacuolar protein sorting 35 homolog [Source:Jamboree;Acc:XB-GENE-941152]	1.2238	0.0265
ENSXETG00000015753	VPS45	vacuolar protein sorting 45 homolog [Source:Jamboree;Acc:XB-GENE-961682]	1.3035	0.0043
ENSXETG00000022432	VPS53	vacuolar protein sorting 53 homolog [Source:Jamboree;Acc:XB-GENE-1011610]	1.2458	0.0360
ENSXETG00000015557	VSNL1	visinin-like 1 [Source:Jamboree;Acc:XB-GENE-952045]	1.2592	0.0360
ENSXETG00000017117	VSTM5	V-set and transmembrane domain containing 5 [Source:Jamboree;Acc:XB-GENE-940096]	4.4603	0.0000
ENSXETG00000014175	VWA5A	von Willebrand factor A domain containing 5A [Source:Jamboree;Acc:XB-GENE-5898460]	1.4578	0.0017
ENSXETG00000017559	VWA5B1	von Willebrand factor A domain containing 5B1 [Source:Jamboree;Acc:XB-GENE-6462478]	2.3124	0.0000
ENSXETG00000014240	VWC2L	von Willebrand factor C domain containing protein 2-like [Source:Jamboree;Acc:XB-GENE-949133]	1.3679	0.0006
ENSXETG00000007796	WBSCR27	Williams Beuren syndrome chromosome region 27 [Source:Jamboree;Acc:XB-GENE-943639]	1.6693	0.0006
ENSXETG00000017074	WDR41	WD repeat domain 41 [Source:Jamboree;Acc:XB-GENE-1016936]	1.2589	0.0130
ENSXETG00000000310	WDR47	WD repeat domain 47 [Source:Jamboree;Acc:XB-GENE-5787016]	1.2867	0.0058
ENSXETG00000020898	WDR7	WD repeat domain 7 [Source:Jamboree;Acc:XB-GENE-951997]	1.4619	0.0001
ENSXETG00000012615	WNK4	WNK lysine deficient protein kinase 4 [Source:Jamboree;Acc:XB-GENE-981916]	1.3246	0.0156
ENSXETG00000016758	XB-GENE-1002559	Putative ortholog of ras-related protein Rab-14, 1 of 2 [Source:Jamboree;Acc:XB-GENE-1002559]	1.5318	0.0046
ENSXETG00000024589	XB-GENE-5727466	novel protein similar to BTG family, member 3 btg3 [Source:Jamboree;Acc:XB-GENE-5727466]	1.3269	0.0429
ENSXETG00000022371	XB-GENE-5730963	Novel Tetraspanin family protein [Source:Jamboree;Acc:XB-GENE-5730963]	1.8313	0.0011
ENSXETG00000008182	XB-GENE-5767035	hypothetical protein LOC100145763 [Source:Jamboree;Acc:XB-GENE-5767035]	2.1909	0.0000
ENSXETG00000024935	XB-GENE-5772074	hypothetical protein LOC100144966 [Source:Jamboree;Acc:XB-GENE-5772074]	1.8125	0.0000
ENSXETG00000007136	XB-GENE-5794175	hypothetical protein LOC779076 [Source:Jamboree;Acc:XB-GENE-5794175]	1.2638	0.0082
ENSXETG00000025417	XB-GENE-5807237	hypothetical protein MGC68519 [Source:Jamboree;Acc:XB-GENE-5807237]	2.9214	0.0252
ENSXETG00000025136	XB-GENE-5813137	ADP-ribosylation factor-like 11 [Source:Jamboree;Acc:XB-GENE-5813137]	1.9484	0.0000
ENSXETG00000008881	XB-GENE-5817456	hypothetical protein LOC100125092 [Source:Jamboree;Acc:XB-GENE-5817456]	1.2504	0.0210
ENSXETG00000000158	XB-GENE-5822257	hypothetical protein LOC100124990 [Source:Jamboree;Acc:XB-GENE-5822257]	1.7147	0.0000
ENSXETG00000024925	XB-GENE-5857129	hypothetical LOC495492 [Source:Jamboree;Acc:XB-GENE-5857129]	1.7772	0.0450
ENSXETG00000010951	XB-GENE-5901010	hypothetical protein LOC548655 [Source:Jamboree;Acc:XB-GENE-5901010]	1.2967	0.0006
ENSXETG00000019505	XB-GENE-5934805	hypothetical protein LOC779521 [Source:Jamboree;Acc:XB-GENE-5934805]	1.4247	0.0014
ENSXETG00000014880	XB-GENE-5936529	RGS9-1 anchoring protein R9AP [Source:Jamboree;Acc:XB-GENE-5936529]	1.3516	0.0027
ENSXETG00000025968	XB-GENE-5945738	hypothetical protein LOC733187 [Source:Jamboree;Acc:XB-GENE-5945738]	1.3265	0.0008
ENSXETG00000021633	XB-GENE-5947997	hypothetical protein LOC100037843 [Source:Jamboree;Acc:XB-GENE-5947997]	2.3759	0.0000
ENSXETG00000005334	XB-GENE-5961850	hypothetical protein LOC100144987 [Source:Jamboree;Acc:XB-GENE-5961850]	1.7409	0.0057
ENSXETG00000009147	XB-GENE-5962512	hypothetical protein LOC100125055 [Source:Jamboree;Acc:XB-GENE-5962512]	1.8418	0.0000
ENSXETG00000022463	XB-GENE-5962543	hypothetical LOC494812 [Source:Jamboree;Acc:XB-GENE-5962543]	3.4876	0.0000
ENSXETG00000022934	XB-GENE-5992704	uncharacterized protein LOC100216141 [Source:RefSeq peptide;Acc:NP_001135588]	1.6940	0.0032
ENSXETG00000007209	XB-GENE-5994048	N/A	2.2742	0.0000
ENSXETG00000002677	XB-GENE-942501	Putative ortholog of pCTP-like protein (PCTP-L) (StAR-related lipid transfer protein 10) (StARD10) (START domain-containing protein 10) (Serologically defined colon cancer antigen 28 homolog), 1 of 1 [Source:Jamboree;Acc:XB-GENE-942501]	1.6450	0.0002
ENSXETG00000022124	XB-GENE-947799	Putative ortholog of aDP-ribosylation factor, 4 of 4 [Source:Jamboree;Acc:XB-GENE-947799]	1.4648	0.0001
ENSXETG00000008325	XB-GENE-961613	Putative ortholog of galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1 (EC 2.4.1.135) (Beta-1,3-glucuronyltransferase 1) (Glucuronosyltransferase-P) (GlcAT-P) (UDP-GlcUA:glycoprotein beta- 1,3-glucuronyltransferase) (GlcUAT-P). [Source:UniProt/SWISSPROT;Acc:, 1 of 1 [Source:Jamboree;Acc:XB-GENE-961613]	1.3701	0.0001
ENSXETG00000006497	XB-GENE-980117	Putative ortholog of butyrylcholinesterase precursor (EC 3.1.1.8), 1 of 1 [Source:Jamboree;Acc:XB-GENE-980117]	1.8384	0.0368

ENSXETG00000010002	XB-GENE-987370	Putative ortholog of urokinase-type plasminogen activator precursor (EC 3.4.21.73) (uPA) (U-plasminogen activator), 1 of 1 [Source:Jamboree;Acc:XB-GENE-987370]	3.1503	0.0000
ENSXETG00000000921	XB-GENE-993949	Putative ortholog of rho guanine nucleotide exchange factor 3 (Exchange factor found in platelets and leukemic and neuronal tissues) (XPLN), 1 of 1 [Source:Jamboree;Acc:XB-GENE-993949]	1.2842	0.0287
ENSXETG00000007853	XB-GENE-996621	conserved hypothetical protein similar to mus musculus 13 days embryo heart cDNA, RIKEN full-length enriched library, clone:D330041B20 , 2 of 2 [Source:Jamboree;Acc:XB-GENE-996621]	1.3707	0.0079
ENSXETG00000003377	XB-GENE-997187	Putative ortholog of vacuolar ATP synthase subunit S1 precursor (EC 3.6.3.14) (V-ATPase S1 subunit) (V-ATPase S1 accessory protein) (V-ATPase Ac45 subunit) (C7-1 protein), 1 of 2 [Source:Jamboree;Acc:XB-GENE-997187]	1.3081	0.0009
ENSXETG00000008109	XKR4	XK, Kell blood group complex subunit-related family, member 4 [Source:Jamboree;Acc:XB-GENE-5813487]	1.5051	0.0000
ENSXETG00000029085	XTR-LET-7E-2	xtr-let-7e-2 [Source:miRBase;Acc:MI0004909]	2.1310	0.0029
ENSXETG00000029088	XTR-MIR-125A	xtr-mir-125a [Source:miRBase;Acc:MI0004931]	1.4084	0.0074
ENSXETG00000028993	XTR-MIR-128-2	xtr-mir-128-2 [Source:miRBase;Acc:MI0004828]	1.7730	0.0000
ENSXETG00000029132	XTR-MIR-181A-2	xtr-mir-181a-2 [Source:miRBase;Acc:MI0004866]	1.6949	0.0002
ENSXETG00000029091	XTR-MIR-7-2	xtr-mir-7-2 [Source:miRBase;Acc:MI0004792]	1.7773	0.0000
ENSXETG00000008971	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Source:Jamboree;Acc:XB-GENE-951350]	1.3219	0.0002
ENSXETG00000009828	ZAR1	zygote arrest 1 [Source:Jamboree;Acc:XB-GENE-942424]	1.1730	0.0459
ENSXETG00000022950	ZBTB16	zinc finger and BTB domain containing 16 [Source:Jamboree;Acc:XB-GENE-478310]	1.3031	0.0031
ENSXETG00000009643	ZBTB43	zinc finger and BTB domain containing 43 [Source:Jamboree;Acc:XB-GENE-5880504]	1.2925	0.0089
ENSXETG00000020303	ZBTB7C	zinc finger and BTB domain containing 7C [Source:Jamboree;Acc:XB-GENE-954049]	2.2219	0.0000
ENSXETG00000004937	ZC3H3	zinc finger CCCH-type containing 3 [Source:Jamboree;Acc:XB-GENE-995650]	1.3540	0.0073
ENSXETG00000017793	ZC4H2	zinc finger, C4H2 domain containing [Source:Jamboree;Acc:XB-GENE-941217]	1.4216	0.0000
ENSXETG00000000694	ZDHHC2	zinc finger, DHHC-type containing 2 [Source:Jamboree;Acc:XB-GENE-947256]	1.7706	0.0000
ENSXETG00000025991	ZDHHC7	zinc finger, DHHC-type containing 7 [Source:Jamboree;Acc:XB-GENE-944330]	1.3033	0.0409
ENSXETG00000025293	ZFAND6	zinc finger, AN1-type domain 6 [Source:Jamboree;Acc:XB-GENE-950123]	1.2724	0.0100
ENSXETG00000020484	ZFYVE28	lateral signaling target protein 2 homolog [Source:RefSeq peptide;Acc:NP_001072498]	1.3030	0.0108
ENSXETG00000013463	ZMYND12	zinc finger, MYND-type containing 12 [Source:Jamboree;Acc:XB-GENE-978195]	1.5888	0.0003
ENSXETG00000015059	ZNF385B	zinc finger protein 385B [Source:Jamboree;Acc:XB-GENE-1219172]	1.3996	0.0072
ENSXETG00000005759	ZNF462	zinc finger protein 462 [Source:Jamboree;Acc:XB-GENE-976911]	1.2989	0.0040
ENSXETG00000001331	ZNF804A	zinc finger protein 804A [Source:Jamboree;Acc:XB-GENE-6458561]	1.8759	0.0000
ENSXETG00000003560	ZNFX1.2	zinc finger, NFX1-type containing 1, gene 2 [Source:Jamboree;Acc:XB-GENE-5996127]	2.2618	0.0000

Complete List of Downregulated Genes Between NF stage 50 and 62

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000024219	A2M	alpha-2-macroglobulin [Source:Jamboree;Acc:XB-GENE-481725]	0.4827	0.0000
ENSXETG00000007668	AARS	alanyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-963523]	0.6233	0.0001
ENSXETG00000021974	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10 [Source:Jamboree;Acc:XB-GENE-6464279]	0.3874	0.0171
ENSXETG00000008223	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4 [Source:Jamboree;Acc:XB-GENE-1000810]	0.5762	0.0056
ENSXETG00000002493	ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1 [Source:Jamboree;Acc:XB-GENE-953835]	0.6478	0.0000
ENSXETG00000003740	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2 [Source:Jamboree;Acc:XB-GENE-1012796]	0.4140	0.0000
ENSXETG00000026360	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6 [Source:Jamboree;Acc:XB-GENE-6465366]	0.3539	0.0000
ENSXETG00000027291	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4 [Source:Jamboree;Acc:XB-GENE-1006704]	0.6918	0.0000
ENSXETG00000025168	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1 [Source:Jamboree;Acc:XB-GENE-993988]	0.8246	0.0354
ENSXETG00000000340	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2 [Source:Jamboree;Acc:XB-GENE-991895]	0.5678	0.0000
ENSXETG00000009199	ABHD10	abhydrolase domain containing 10 [Source:Jamboree;Acc:XB-GENE-994024]	0.5838	0.0000
ENSXETG00000001464	ABL1	c-abl oncogene 1, non-receptor tyrosine kinase [Source:Jamboree;Acc:XB-GENE-6054675]	0.7504	0.0139
ENSXETG00000020333	ACAA2	acetyl-CoA acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-5827758]	0.7048	0.0022
ENSXETG00000022398	ACCN5	amiloride-sensitive cation channel 5, intestinal [Source:Jamboree;Acc:XB-GENE-983430]	0.6175	0.0000
ENSXETG00000009184	ACO1	aconitase 1, soluble [Source:Jamboree;Acc:XB-GENE-1012108]	0.7758	0.0070
ENSXETG00000025940	ACOT13	acyl-CoA thioesterase 13 [Source:Jamboree;Acc:XB-GENE-1004168]	0.7260	0.0105
ENSXETG00000006223	ACOT9	acyl-CoA thioesterase 9 [Source:Jamboree;Acc:XB-GENE-943630]	0.7259	0.0004
ENSXETG00000023676	ACOX2	acyl-CoA oxidase 2, branched chain [Source:Jamboree;Acc:XB-GENE-5845946]	0.7205	0.0090
ENSXETG00000016725	ACP5	acid phosphatase 5, tartrate resistant [Source:Jamboree;Acc:XB-GENE-957094]	0.4729	0.0000
ENSXETG00000006826	ACSF2	acyl-CoA synthetase family member 2 [Source:Jamboree;Acc:XB-GENE-993379]	0.4225	0.0000
ENSXETG00000016740	ACSM3	acyl-CoA synthetase medium-chain family member 3 [Source:Jamboree;Acc:XB-GENE-486978]	0.3431	0.0000
ENSXETG00000014528	ACSS3	acyl-CoA synthetase short-chain family member 3 [Source:Jamboree;Acc:XB-GENE-6035224]	0.3616	0.0000
ENSXETG00000002714	ACT3	Actin, alpha sarcomeric/skeletal [Source:Jamboree;Acc:XB-GENE-6469705]	0.0422	0.0383
ENSXETG00000009279	ACTA2	actin, alpha 2, smooth muscle, aorta [Source:Jamboree;Acc:XB-GENE-493937]	0.3814	0.0000
ENSXETG00000027641	ACTG1	actin, gamma 1 [Source:Jamboree;Acc:XB-GENE-491618]	0.7288	0.0002
ENSXETG00000007260	ACTL6A	actin-like 6A [Source:Jamboree;Acc:XB-GENE-491948]	0.6917	0.0023
ENSXETG00000001885	ACTR6	ARP6 actin-related protein 6 homolog [Source:Jamboree;Acc:XB-GENE-5860964]	0.6552	0.0000
ENSXETG00000020999	ACVR2B	activin A receptor, type IIB [Source:Jamboree;Acc:XB-GENE-484248]	0.5331	0.0012
ENSXETG00000003459	ADA	adenosine deaminase [Source:Jamboree;Acc:XB-GENE-950501]	0.6555	0.0087
ENSXETG00000019022	ADAMTS16	ADAM metallopeptidase with thrombospondin type 1 motif, 16 [Source:Jamboree;Acc:XB-GENE-986244]	0.4406	0.0035
ENSXETG00000012701	ADAMTS18	ADAM metallopeptidase with thrombospondin type 1 motif, 18 [Source:Jamboree;Acc:XB-GENE-986196]	0.6330	0.0292
ENSXETG00000018086	ADAMTSL4	ADAMTS-like 4 [Source:Jamboree;Acc:XB-GENE-986796]	0.5131	0.0033
ENSXETG00000009313	ADH1B	class I alcohol dehydrogenase, beta subunit [Source:RefSeq peptide;Acc:NP_001011431]	0.1130	0.0000
ENSXETG00000009304	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide [Source:Jamboree;Acc:XB-GENE-977214]	0.5067	0.0000
ENSXETG00000009427	AGA	aspartylglucosaminidase [Source:Jamboree;Acc:XB-GENE-1001622]	0.6936	0.0092
ENSXETG00000005052	AGMO	alkylglycerol monooxygenase [Source:Jamboree;Acc:XB-GENE-950748]	0.3533	0.0155
ENSXETG00000000763	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta) [Source:Jamboree;Acc:XB-GENE-940771]	0.5167	0.0084
ENSXETG00000023889	AGPHD1	aminoglycoside phosphotransferase domain containing 1 [Source:Jamboree;Acc:XB-GENE-956847]	0.3834	0.0000
ENSXETG00000000707	AGXT2	alanine--glyoxylate aminotransferase 2 [Source:Jamboree;Acc:XB-GENE-993827]	0.1455	0.0000
ENSXETG00000008546	AHCTF1	AT hook containing transcription factor 1 [Source:Jamboree;Acc:XB-GENE-855756]	0.7811	0.0064
ENSXETG00000019486	AHCY	adenosylhomocysteinase [Source:Jamboree;Acc:XB-GENE-950017]	0.3547	0.0000
ENSXETG00000005642	AHNAK	AHNAK nucleoprotein [Source:Jamboree;Acc:XB-GENE-995617]	0.7409	0.0063
ENSXETG00000019862	AIMP1	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 [Source:Jamboree;Acc:XB-GENE-958442]	0.6369	0.0000
ENSXETG00000027867	AK2	adenylate kinase 2 [Source:Jamboree;Acc:XB-GENE-491598]	0.7451	0.0076
ENSXETG00000000588	AK3	adenylate kinase 3 [Source:Jamboree;Acc:XB-GENE-977028]	0.7693	0.0239
ENSXETG00000026355	AKAP12	A kinase (PRKA) anchor protein 12 [Source:Jamboree;Acc:XB-GENE-6459605]	0.7795	0.0157
ENSXETG00000002887	AKT1S1	AKT1 substrate 1 (proline-rich) [Source:Jamboree;Acc:XB-GENE-491929]	0.7638	0.0041
ENSXETG00000023474	ALAD	aminolevulinate dehydratase [Source:Jamboree;Acc:XB-GENE-962175]	0.7286	0.0342
ENSXETG00000022017	ALAS2	aminolevulinate, delta-, synthase 2 [Source:Jamboree;Acc:XB-GENE-487573]	0.5119	0.0000
ENSXETG00000003403	ALDH16A1	aldehyde dehydrogenase 16 family, member A1 [Source:Jamboree;Acc:XB-GENE-5726619]	0.6346	0.0002
ENSXETG00000022613	ALDH18A1	aldehyde dehydrogenase 18 family, member A1 [Source:Jamboree;Acc:XB-GENE-5765545]	0.5916	0.0008
ENSXETG00000018751	ALDH1A3	aldehyde dehydrogenase 1 family, member A3 [Source:Jamboree;Acc:XB-GENE-992885]	0.4630	0.0006
ENSXETG00000014720	ALDH1B1	aldehyde dehydrogenase 1 family, member B1 [Source:Jamboree;Acc:XB-GENE-1013740]	0.7446	0.0039
ENSXETG00000011551	ALDH1L1	aldehyde dehydrogenase 1 family, member L1 [Source:Jamboree;Acc:XB-GENE-1016237]	0.3231	0.0000
ENSXETG00000001886	ALDH1L2	aldehyde dehydrogenase 1 family, member L2 [Source:Jamboree;Acc:XB-GENE-5820495]	0.5257	0.0004
ENSXETG00000024058	ALDOB	aldolase B, fructose-bisphosphate [Source:Jamboree;Acc:XB-GENE-5925393]	0.3273	0.0000
ENSXETG00000025674	ALG1	asparagine-linked glycosylation 1, beta-1,4-mannosyltransferase homolog [Source:Jamboree;Acc:XB-GENE-1006362]	0.7643	0.0053
ENSXETG00000010450	ALG8	asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog [Source:Jamboree;Acc:XB-GENE-967047]	0.5188	0.0092
ENSXETG00000005474	ALKBH4	alkB, alkylation repair homolog 4 [Source:Jamboree;Acc:XB-GENE-1009926]	0.6894	0.0154
ENSXETG00000023244	ALPL	alkaline phosphatase, liver/bone/kidney [Source:Jamboree;Acc:XB-GENE-1010301]	0.2428	0.0000
ENSXETG00000011819	AMOTL2	angiomotin like 2 [Source:Jamboree;Acc:XB-GENE-972335]	0.7748	0.0164
ENSXETG00000005937	AMT	aminomethyltransferase [Source:Jamboree;Acc:XB-GENE-921598]	0.3269	0.0000
ENSXETG00000000782	ANAPC1	anaphase promoting complex subunit 1 [Source:Jamboree;Acc:XB-GENE-5894738]	0.7731	0.0130
ENSXETG00000021893	ANGPTL4	angiopoietin-like 4 [Source:Jamboree;Acc:XB-GENE-481750]	0.4892	0.0004
ENSXETG00000006436	ANKLE1	ankyrin repeat and LEM domain containing 1 [Source:Jamboree;Acc:XB-GENE-6045314]	0.4325	0.0000
ENSXETG00000008211	ANKRD10	ankyrin repeat domain 10 [Source:Jamboree;Acc:XB-GENE-999908]	0.7831	0.0017
ENSXETG00000019293	ANKZF1	ankyrin repeat and zinc finger domain containing 1 [Source:Jamboree;Acc:XB-GENE-984263]	0.5556	0.0001
ENSXETG00000000343	ANLN	anillin, actin binding protein [Source:Jamboree;Acc:XB-GENE-489407]	0.4961	0.0000
ENSXETG00000010183	ANP32B	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B [Source:Jamboree;Acc:XB-GENE-988727]	0.7738	0.0057

ENSXETG00000009516	ANP32C	acidic (leucine-rich) nuclear phosphoprotein 32 family, member C [Source:Jamboree;Acc:XB-GENE-991758]	0.5520	0.0000
ENSXETG00000015745	ANP32E	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E [Source:Jamboree;Acc:XB-GENE-991616]	0.7271	0.0001
ENSXETG00000017985	ANXA3	annexin A3 [Source:Jamboree;Acc:XB-GENE-953000]	0.7362	0.0375
ENSXETG00000008206	ANXA4	annexin A4 [Source:Jamboree;Acc:XB-GENE-854498]	0.4641	0.0000
ENSXETG00000009105	AP4M1	adaptor-related protein complex 4, mu 1 subunit [Source:Jamboree;Acc:XB-GENE-970010]	0.5752	0.0001
ENSXETG00000022026	APEX2	APEX nuclease (apurinic/apyrimidinic endonuclease) 2 [Source:Jamboree;Acc:XB-GENE-1012054]	0.5314	0.0004
ENSXETG00000002499	APOM	apolipoprotein M [Source:Jamboree;Acc:XB-GENE-479083]	0.5861	0.0049
ENSXETG00000024143	APTX	aprataxin [Source:Jamboree;Acc:XB-GENE-1015068]	0.6824	0.0222
ENSXETG00000012901	AQR	aquarius homolog [Source:Jamboree;Acc:XB-GENE-1217636]	0.7578	0.0072
ENSXETG00000018089	ARHGAP11A.1	Rho GTPase activating protein 11A, gene 1 [Source:Jamboree;Acc:XB-GENE-1010876]	0.4385	0.0000
ENSXETG00000003417	ARHGAP19	Rho GTPase activating protein 19 [Source:Jamboree;Acc:XB-GENE-6041529]	0.1255	0.0000
ENSXETG00000008222	ARHGAP29	Rho GTPase activating protein 29 [Source:Jamboree;Acc:XB-GENE-964890]	0.6642	0.0076
ENSXETG00000007442	ARHGAP39	Rho GTPase activating protein 39 [Source:Jamboree;Acc:XB-GENE-6049004]	0.5070	0.0005
ENSXETG00000021474	ARHGEF15	Rho guanine nucleotide exchange factor (GEF) 15 [Source:Jamboree;Acc:XB-GENE-6257375]	0.8191	0.0335
ENSXETG00000005005	ARHGEF16	Rho guanine nucleotide exchange factor (GEF) 16 [Source:Jamboree;Acc:XB-GENE-1015007]	0.3759	0.0452
ENSXETG00000018712	ARHGEF5	Rho guanine nucleotide exchange factor (GEF) 5 [Source:Jamboree;Acc:XB-GENE-5960713]	0.4199	0.0242
ENSXETG00000021613	ARID3A	AT rich interactive domain 3A (BRIGHT-like) [Source:Jamboree;Acc:XB-GENE-945264]	0.5624	0.0012
ENSXETG00000022343	ARL3.2	ADP-ribosylation factor-like 3, gene 2 [Source:Jamboree;Acc:XB-GENE-5842996]	0.4637	0.0224
ENSXETG00000019743	ARMC10	armadillo repeat containing 10 [Source:Jamboree;Acc:XB-GENE-982833]	0.7066	0.0331
ENSXETG00000024664	ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa [Source:Jamboree;Acc:XB-GENE-494089]	0.7034	0.0001
ENSXETG00000013606	ARRDC2	arrestin domain containing 2 [Source:Jamboree;Acc:XB-GENE-946088]	0.5168	0.0000
ENSXETG00000018085	ARRDC3	arrestin domain containing 3 [Source:Jamboree;Acc:XB-GENE-5732341]	0.7176	0.0039
ENSXETG00000000542	ARSB	arylsulfatase B [Source:Jamboree;Acc:XB-GENE-962085]	0.4181	0.0000
ENSXETG00000011881	ARSI	arylsulfatase family, member I [Source:Jamboree;Acc:XB-GENE-6046190]	0.3623	0.0161
ENSXETG00000018765	ASB7	ankyrin repeat and SOCS box containing 7 [Source:Jamboree;Acc:XB-GENE-1016460]	0.7854	0.0378
ENSXETG00000002872	ASCL2	achaete-scute complex homolog 2 [Source:Jamboree;Acc:XB-GENE-6458615]	0.0365	0.0473
ENSXETG00000028029	ASF1B	ASF1 anti-silencing function 1 homolog B [Source:Jamboree;Acc:XB-GENE-1003005]	0.6467	0.0000
ENSXETG00000025707	ASNS	asparagine synthetase (glutamine-hydrolyzing) [Source:Jamboree;Acc:XB-GENE-1006768]	0.2898	0.0183
ENSXETG00000023076	ASPG	asparaginase homolog [Source:Jamboree;Acc:XB-GENE-993696]	0.7383	0.0002
ENSXETG00000023215	ATAD2	ATPase family, AAA domain containing 2 [Source:Jamboree;Acc:XB-GENE-995542]	0.1178	0.0000
ENSXETG00000012959	ATAD3A	ATPase family, AAA domain containing 3A [Source:Jamboree;Acc:XB-GENE-946129]	0.7494	0.0188
ENSXETG00000025818	ATAD5	ATPase family, AAA domain containing 5 [Source:Jamboree;Acc:XB-GENE-6257545]	0.5711	0.0000
ENSXETG00000007299	ATF1	activating transcription factor 1 [Source:Jamboree;Acc:XB-GENE-971677]	0.6731	0.0001
ENSXETG00000014375	ATF3	activating transcription factor 3 [Source:Jamboree;Acc:XB-GENE-6085251]	0.7352	0.0120
ENSXETG00000008803	ATF5	activating transcription factor 5 [Source:Jamboree;Acc:XB-GENE-5808898]	0.3192	0.0000
ENSXETG00000008804	ATF5.2	activating transcription factor 5, gene 2 [Source:Jamboree;Acc:XB-GENE-5902427]	0.2905	0.0000
ENSXETG00000004747	ATF6	activating transcription factor 6 [Source:Jamboree;Acc:XB-GENE-983814]	0.7907	0.0086
ENSXETG00000025087	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Source:Jamboree;Acc:XB-GENE-998807]	0.5339	0.0000
ENSXETG00000023279	ATOH1	atonal homolog 1 [Source:Jamboree;Acc:XB-GENE-6452084]	0.2849	0.0000
ENSXETG00000016836	ATP13A4	ATPase type 13A4 [Source:Jamboree;Acc:XB-GENE-978090]	0.5809	0.0250
ENSXETG00000009695	ATP2A1	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 [Source:Jamboree;Acc:XB-GENE-975115]	0.0613	0.0000
ENSXETG00000024781	ATP6V0E1	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e1 [Source:Jamboree;Acc:XB-GENE-988748]	0.6369	0.0287
ENSXETG00000008135	ATP8B3	ATPase, aminophospholipid transporter, class I, type 8B, member 3 [Source:Jamboree;Acc:XB-GENE-992174]	0.6845	0.0267
ENSXETG00000012897	ATPBD4	ATP binding domain 4 [Source:Jamboree;Acc:XB-GENE-949971]	0.5572	0.0000
ENSXETG00000000617	ATR	ataxia telangiectasia and Rad3 related [Source:Jamboree;Acc:XB-GENE-1012722]	0.6442	0.0007
ENSXETG00000003072	ATXN10	ataxin 10 [Source:Jamboree;Acc:XB-GENE-959678]	0.7212	0.0081
ENSXETG00000012032	AURKA	aurora kinase A [Source:Jamboree;Acc:XB-GENE-853082]	0.3388	0.0023
ENSXETG00000009097	AURKB	aurora kinase B [Source:Jamboree;Acc:XB-GENE-1019626]	0.1325	0.0000
ENSXETG00000016930	AZI1	5-azacytidine induced 1 [Source:Jamboree;Acc:XB-GENE-1016768]	0.7785	0.0124
ENSXETG00000020389	B3GALT4	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 [Source:Jamboree;Acc:XB-GENE-919694]	0.6769	0.0049
ENSXETG00000009422	B4GALNT3	beta-1,4-N-acetyl-galactosaminyl transferase 3 [Source:Jamboree;Acc:XB-GENE-6051199]	0.4181	0.0000
ENSXETG00000024147	B4GALT1.1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1, gene 1 [Source:Jamboree;Acc:XB-GENE-5871724]	0.4991	0.0208
ENSXETG00000022659	B9D1	B9 protein domain 1 [Source:Jamboree;Acc:XB-GENE-971084]	0.6825	0.0164
ENSXETG00000011430	BANF1	barrier to autointegration factor 1 [Source:Jamboree;Acc:XB-GENE-5745250]	0.6990	0.0001
ENSXETG00000014241	BARD1	BRCA1 associated RING domain 1 [Source:Jamboree;Acc:XB-GENE-492035]	0.4365	0.0004
ENSXETG00000023986	BARHL2	BarH-like homeobox 2 [Source:Jamboree;Acc:XB-GENE-482777]	0.6174	0.0000
ENSXETG00000012293	BAZ1A	bromodomain adjacent to zinc finger domain, 1A [Source:Jamboree;Acc:XB-GENE-986582]	0.7277	0.0048
ENSXETG00000007584	BAZ2B	bromodomain adjacent to zinc finger domain, 2B [Source:Jamboree;Acc:XB-GENE-964622]	0.7939	0.0060
ENSXETG00000004606	BBOX1	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1 [Source:Jamboree;Acc:XB-GENE-956892]	0.3386	0.0000
ENSXETG00000019324	BCAM	basal cell adhesion molecule (Lutheran blood group) [Source:Jamboree;Acc:XB-GENE-921467]	0.5463	0.0001
ENSXETG00000019908	BCAN	brevican [Source:HGNC Symbol;Acc:HGNC:23059]	0.7054	0.0001
ENSXETG00000024124	BCL2	B-cell CLL/lymphoma 2 [Source:Jamboree;Acc:XB-GENE-943008]	0.7408	0.0128
ENSXETG00000027993	BCL2L14	BCL2-like 14 (apoptosis facilitator) [Source:Jamboree;Acc:XB-GENE-996894]	0.3655	0.0106
ENSXETG00000001908	BCL7C	B-cell CLL/lymphoma 7C [Source:Jamboree;Acc:XB-GENE-6257729]	0.3460	0.0242
ENSXETG00000015528	BCOR	BCL6 corepressor [Source:Jamboree;Acc:XB-GENE-1010841]	0.8100	0.0265
ENSXETG00000004284	BDNF	brain-derived neurotrophic factor [Source:Jamboree;Acc:XB-GENE-955554]	0.7599	0.0040
ENSXETG00000002605	BGLAP	bone gamma-carboxyglutamate (gla) protein [Source:Jamboree;Acc:XB-GENE-1018467]	0.5195	0.0007
ENSXETG00000000523	BHMT	betaine--homocysteine S-methyltransferase [Source:Jamboree;Acc:XB-GENE-1008382]	0.3033	0.0001
ENSXETG00000009983	BIRC5.2	baculoviral IAP repeat containing 5 [Source:Jamboree;Acc:XB-GENE-966741]	0.2829	0.0000
ENSXETG00000007847	BLM	Bloom syndrome, RecQ helicase-like [Source:Jamboree;Acc:XB-GENE-982561]	0.4922	0.0001
ENSXETG00000019220	BMPR1B	bone morphogenetic protein receptor, type 1B [Source:Jamboree;Acc:XB-GENE-483455]	0.6305	0.0124
ENSXETG00000008158	BMS1	BMS1 homolog, ribosome assembly protein [Source:Jamboree;Acc:XB-GENE-5796193]	0.5546	0.0000
ENSXETG00000018036	BNC2	basonuclin 2 [Source:Jamboree;Acc:XB-GENE-953157]	0.6818	0.0006
ENSXETG00000012171	BOC	Boc homolog [Source:Jamboree;Acc:XB-GENE-923398]	0.3110	0.0000
ENSXETG00000024564	BRCA1	breast cancer 1, early onset [Source:Jamboree;Acc:XB-GENE-490624]	0.2866	0.0000
ENSXETG00000014519	BRD1	bromodomain containing 1 [Source:Jamboree;Acc:XB-GENE-949377]	0.7593	0.0030
ENSXETG00000018460	BRD7	bromodomain containing 7 [Source:Jamboree;Acc:XB-GENE-1017005]	0.7088	0.0000
ENSXETG00000013106	BRD9	bromodomain containing 9 [Source:Jamboree;Acc:XB-GENE-969470]	0.7105	0.0001
ENSXETG00000010720	BRIP1	BRCA1 interacting protein C-terminal helicase 1 [Source:Jamboree;Acc:XB-GENE-492370]	0.1357	0.0000
ENSXETG00000000703	BRIX1	BRX1, biogenesis of ribosomes, homolog [Source:Jamboree;Acc:XB-GENE-1007993]	0.6930	0.0295
ENSXETG00000020567	BRMS1	breast cancer metastasis suppressor 1 [Source:Jamboree;Acc:XB-GENE-992989]	0.7496	0.0016
ENSXETG00000006798	BTC	betacellulin [Source:Jamboree;Acc:XB-GENE-995923]	0.1734	0.0062
ENSXETG00000008991	BTD	biotinidase [Source:Jamboree;Acc:XB-GENE-982203]	0.7615	0.0113
ENSXETG00000026594	BTG1	B-cell translocation gene 1, anti-proliferative [Source:Jamboree;Acc:XB-GENE-1002920]	0.7630	0.0023
ENSXETG00000019020	BTN1A1	butyrophilin, subfamily 1, member A1 [Source:Jamboree;Acc:XB-GENE-5867805]	0.7279	0.0007
ENSXETG00000022448	BUB1	BUB1 budding uninhibited by benzimidazoles 1 homolog [Source:Jamboree;Acc:XB-GENE-974762]	0.1576	0.0000
ENSXETG00000000287	BUB1B	budding uninhibited by benzimidazoles 1 homolog beta [Source:Jamboree;Acc:XB-GENE-1010857]	0.0947	0.0000
ENSXETG00000009564	BUB3	budding uninhibited by benzimidazoles 3 homolog [Source:Jamboree;Acc:XB-GENE-955683]	0.7788	0.0123
ENSXETG00000007394	C10ORF140	chromosome 10 open reading frame 140 [Source:Jamboree;Acc:XB-GENE-976606]	0.2008	0.0000
ENSXETG00000012666	C12ORF10	chromosome 12 open reading frame 10 [Source:Jamboree;Acc:XB-GENE-1004333]	0.7818	0.0022
ENSXETG00000009782	C12ORF41	chromosome 12 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-972363]	0.7704	0.0089
ENSXETG00000016020	C13ORF23	chromosome 13 open reading frame 23 [Source:Jamboree;Acc:XB-GENE-6051030]	0.8151	0.0238
ENSXETG00000012353	C13ORF34	chromosome 13 open reading frame 34 [Source:Jamboree;Acc:XB-GENE-5865524]	0.6295	0.0001
ENSXETG00000003065	C14ORF28	chromosome 14 open reading frame 28 [Source:Jamboree;Acc:XB-GENE-6041562]	0.5569	0.0261
ENSXETG00000013698	C18ORF54	chromosome 18 open reading frame 54 [Source:Jamboree;Acc:XB-GENE-1015211]	0.4952	0.0180
ENSXETG00000012924	C19ORF2	chromosome 19 open reading frame 2 [Source:Jamboree;Acc:XB-GENE-960711]	0.7725	0.0160
ENSXETG00000003284	C19ORF26	chromosome 19 open reading frame 26 [Source:Jamboree;Acc:XB-GENE-6258190]	0.7574	0.0104
ENSXETG00000004738	C1ORF112	chromosome 1 open reading frame 112 [Source:Jamboree;Acc:XB-GENE-5952633]	0.2950	0.0000
ENSXETG00000002510	C1ORF144	chromosome 1 open reading frame 144 [Source:Jamboree;Acc:XB-GENE-5785975]	0.7972	0.0378
ENSXETG00000001383	C1ORF158	chromosome 1 open reading frame 158 [Source:Jamboree;Acc:XB-GENE-978401]	0.5652	0.0292
ENSXETG00000001540	C1ORF74	chromosome 1 open reading frame 74 [Source:Jamboree;Acc:XB-GENE-951025]	0.6684	0.0377
ENSXETG00000021242	C1ORF93	chromosome 1 open reading frame 93 [Source:Jamboree;Acc:XB-GENE-968463]	0.6104	0.0000
ENSXETG00000009896	C21ORF63	chromosome 21 open reading frame 63 [Source:Jamboree;Acc:XB-GENE-1013210]	0.2564	0.0000
ENSXETG00000018690	C21ORF70	chromosome 21 open reading frame 70 [Source:Jamboree;Acc:XB-GENE-954075]	0.7067	0.0019

ENSXETG00000002049	C21ORF91	chromosome 21 open reading frame 91 [Source:Jamboree;Acc:XB-GENE-950288]	0.7440	0.0280
ENSXETG00000014934	C2ORF62	chromosome 2 open reading frame 62 [Source:Jamboree;Acc:XB-GENE-942706]	0.5266	0.0000
ENSXETG00000001088	C2ORF67	chromosome 2 open reading frame 67 [Source:Jamboree;Acc:XB-GENE-6457137]	0.7082	0.0103
ENSXETG00000013102	C2ORF89	chromosome 2 open reading frame 89 [Source:Jamboree;Acc:XB-GENE-6050974]	0.1405	0.0000
ENSXETG00000002741	C3ORF17	chromosome 3 open reading frame 17 [Source:Jamboree;Acc:XB-GENE-5928587]	0.5733	0.0000
ENSXETG00000015634	C3ORF31	chromosome 3 open reading frame 31 [Source:Jamboree;Acc:XB-GENE-995882]	0.6964	0.0046
ENSXETG00000024098	C4ORF21	chromosome 4 open reading frame 21 [Source:Jamboree;Acc:XB-GENE-6461443]	0.1586	0.0000
ENSXETG00000012727	C5ORF41	chromosome 5 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-988760]	0.4198	0.0000
ENSXETG00000012874	C6ORF204	chromosome 6 open reading frame 204 [Source:Jamboree;Acc:XB-GENE-6035286]	0.7477	0.0029
ENSXETG00000027527	C7ORF30	chromosome 7 open reading frame 30 [Source:Jamboree;Acc:XB-GENE-1000345]	0.5876	0.0023
ENSXETG00000015814	C7ORF44	chromosome 7 open reading frame 44 [Source:Jamboree;Acc:XB-GENE-6036209]	0.3062	0.0000
ENSXETG00000007441	C7ORF63	chromosome 7 open reading frame 63 [Source:Jamboree;Acc:XB-GENE-968713]	0.6784	0.0361
ENSXETG00000007782	C8ORF4	chromosome 8 open reading frame 4 [Source:Jamboree;Acc:XB-GENE-949744]	0.5579	0.0136
ENSXETG00000004745	C9ORF114	chromosome 9 open reading frame 114 [Source:Jamboree;Acc:XB-GENE-973341]	0.6989	0.0016
ENSXETG00000000585	C9ORF46	chromosome 9 open reading frame 46 [Source:Jamboree;Acc:XB-GENE-1011541]	0.5430	0.0000
ENSXETG00000027667	C9ORF6	chromosome 9 open reading frame 6 [Source:Jamboree;Acc:XB-GENE-6458491]	0.7954	0.0317
ENSXETG00000016426	CA14	carbonic anhydrase 14 [Source:Jamboree;Acc:XB-GENE-855636]	0.7682	0.0107
ENSXETG00000013740	CA2	carbonic anhydrase 2 [Source:Jamboree;Acc:XB-GENE-484348]	0.7152	0.0020
ENSXETG00000026010	CA3	carbonic anhydrase III, muscle specific [Source:Jamboree;Acc:XB-GENE-1007186]	0.2330	0.0041
ENSXETG00000017180	CABLES1	Cdk5 and Abl enzyme substrate 1 [Source:Jamboree;Acc:XB-GENE-984601]	0.8100	0.0302
ENSXETG00000020410	CACHD1	cache domain containing 1 [Source:Jamboree;Acc:XB-GENE-1010398]	0.7388	0.0007
ENSXETG00000010044	CACNG7	calcium channel, voltage-dependent, gamma subunit 7 [Source:Jamboree;Acc:XB-GENE-966233]	0.6474	0.0000
ENSXETG00000016401	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase [Source:Jamboree;Acc:XB-GENE-5878289]	0.7392	0.0017
ENSXETG00000023618	CALD1	caldesmon 1 [Source:Jamboree;Acc:XB-GENE-963931]	0.7853	0.0257
ENSXETG00000003985	CAPRIN1	cell cycle associated protein 1 [Source:Jamboree;Acc:XB-GENE-942720]	0.7150	0.0002
ENSXETG00000013774	CAR1_PREDICTED	carbonic anhydrase I [Source:RefSeq peptide;Acc:NP_001072785]	0.5998	0.0000
ENSXETG00000000740	CARD9	caspase recruitment domain family, member 9 [Source:Jamboree;Acc:XB-GENE-986414]	0.5162	0.0004
ENSXETG00000015968	CASC5	cancer susceptibility candidate 5 [Source:HGNC Symbol;Acc:HGNC:24054]	0.1382	0.0000
ENSXETG00000006978	CASP2	caspase 2, apoptosis-related cysteine peptidase (neural precursor cell expressed, developmentally down-regulated 2) [Source:Jamboree;Acc:XB-GENE-482390]	0.4569	0.0000
ENSXETG00000016471	CASP7	caspase 7, apoptosis-related cysteine peptidase [Source:Jamboree;Acc:XB-GENE-484041]	0.2840	0.0000
ENSXETG00000019121	CASP8AP2	caspase 8 associated protein 2 [Source:Jamboree;Acc:XB-GENE-6257801]	0.7769	0.0101
ENSXETG00000012029	CASS4	Cas scaffolding protein family member 4 [Source:Jamboree;Acc:XB-GENE-5775796]	0.4010	0.0072
ENSXETG00000007561	CAT.1	catalase, gene 1 [Source:Jamboree;Acc:XB-GENE-5918489]	0.0612	0.0000
ENSXETG00000021431	CBFA2T2	core-binding factor, runt domain, alpha subunit 2; translocated to, 2 [Source:Jamboree;Acc:XB-GENE-950034]	0.7382	0.0006
ENSXETG00000012262	CBLL1	Cas-Br-M (murine) ecotropic retroviral transforming sequence-like 1 [Source:Jamboree;Acc:XB-GENE-6458353]	0.7577	0.0030
ENSXETG00000004944	CBR4	carbonyl reductase 4 [Source:Jamboree;Acc:XB-GENE-5935857]	0.6781	0.0003
ENSXETG00000021962	CBX1	chromobox homolog 1 [Source:Jamboree;Acc:XB-GENE-1005974]	0.7297	0.0003
ENSXETG00000003005	CBX2	chromobox homolog 2 [Source:Jamboree;Acc:XB-GENE-970247]	0.6448	0.0000
ENSXETG00000012175	CBX3	chromobox homolog 3 [Source:Jamboree;Acc:XB-GENE-492315]	0.7124	0.0000
ENSXETG00000013779	CCDC102A	coiled-coil domain containing 102A [Source:Jamboree;Acc:XB-GENE-948705]	0.5014	0.0173
ENSXETG00000022999	CCDC18	coiled-coil domain containing 18 [Source:Jamboree;Acc:XB-GENE-1000840]	0.7106	0.0343
ENSXETG00000019437	CCDC39	coiled-coil domain containing 39 [Source:Jamboree;Acc:XB-GENE-989047]	0.7100	0.0001
ENSXETG00000003386	CCDC43	coiled-coil domain containing 43 [Source:Jamboree;Acc:XB-GENE-972630]	0.6835	0.0005
ENSXETG00000002796	CCDC58	coiled-coil domain containing 58 [Source:Jamboree;Acc:XB-GENE-5730553]	0.6841	0.0314
ENSXETG00000015797	CCDC88C	coiled-coil domain containing 88C [Source:Jamboree;Acc:XB-GENE-1033686]	0.3319	0.0000
ENSXETG00000001016	CCNA2	cyclin A2 [Source:Jamboree;Acc:XB-GENE-923016]	0.1149	0.0000
ENSXETG00000026059	CCNB2	cyclin B2 [Source:Jamboree;Acc:XB-GENE-1005599]	0.1378	0.0000
ENSXETG00000022597	CCNB3	cyclin B3 [Source:Jamboree;Acc:XB-GENE-920213]	0.1153	0.0000
ENSXETG00000003800	CCND1	cyclin D1 [Source:Jamboree;Acc:XB-GENE-6077306]	0.5386	0.0032
ENSXETG00000000267	CCNDX	cyclin Dx [Source:Jamboree;Acc:XB-GENE-483042]	0.4433	0.0047
ENSXETG00000012929	CCNE1	cyclin E1 [Source:Jamboree;Acc:XB-GENE-972042]	0.4192	0.0000
ENSXETG00000006660	CCNE2	cyclin E2 [Source:Jamboree;Acc:XB-GENE-923043]	0.7065	0.0044
ENSXETG00000012459	CCNF	cyclin F [Source:Jamboree;Acc:XB-GENE-963729]	0.5299	0.0000
ENSXETG00000006402	CCNG2	cyclin G2 [Source:Jamboree;Acc:XB-GENE-920883]	0.7214	0.0018
ENSXETG00000000488	CCNT2	cyclin T2 [Source:Jamboree;Acc:XB-GENE-5963189]	0.7879	0.0214
ENSXETG00000013995	CCT5	chaperonin containing TCP1, subunit 5 (epsilon) [Source:Jamboree;Acc:XB-GENE-980275]	0.8049	0.0081
ENSXETG00000010077	CCT6A	chaperonin containing TCP1, subunit 6A (zeta 1) [Source:Jamboree;Acc:XB-GENE-987462]	0.7329	0.0002
ENSXETG00000020262	CCT8	chaperonin containing TCP1, subunit 8 (theta) [Source:Jamboree;Acc:XB-GENE-974316]	0.7806	0.0047
ENSXETG00000020537	CD248	CD248 molecule, endosialin [Source:Jamboree;Acc:XB-GENE-992999]	0.5742	0.0029
ENSXETG00000022237	CD82	CD82 molecule [Source:Jamboree;Acc:XB-GENE-945242]	0.3730	0.0000
ENSXETG00000020610	CD97	CD97 molecule [Source:Jamboree;Acc:XB-GENE-952950]	0.6106	0.0000
ENSXETG00000000986	CDAN1	congenital dyserythropoietic anemia, type I [Source:Jamboree;Acc:XB-GENE-1013862]	0.7342	0.0113
ENSXETG00000013234	CDC14A	CDC14 cell division cycle 14 homolog A [Source:Jamboree;Acc:XB-GENE-960625]	0.6958	0.0002
ENSXETG00000014839	CDC14B	CDC14 cell division cycle 14 homolog B [Source:Jamboree;Acc:XB-GENE-977314]	0.6314	0.0000
ENSXETG00000025623	CDC20	cell division cycle 20 homolog [Source:Jamboree;Acc:XB-GENE-970663]	0.6035	0.0000
ENSXETG00000021310	CDC25A	cell division cycle 25 homolog A [Source:Jamboree;Acc:XB-GENE-5809292]	0.2324	0.0000
ENSXETG00000012740	CDC25B	cell division cycle 25 homolog B [Source:Jamboree;Acc:XB-GENE-1012329]	0.7276	0.0004
ENSXETG00000000595	CDC37L1	cell division cycle 37 homolog-like 1 [Source:Jamboree;Acc:XB-GENE-984706]	0.6278	0.0000
ENSXETG00000018602	CDC45	cell division cycle 45 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-976058]	0.1059	0.0000
ENSXETG00000024394	CDC6	cell division cycle 6 homolog [Source:Jamboree;Acc:XB-GENE-974720]	0.2986	0.0000
ENSXETG00000023034	CDC7	cell division cycle 7 homolog [Source:Jamboree;Acc:XB-GENE-951314]	0.3039	0.0000
ENSXETG00000006803	CDCA4	cell division cycle associated 4 [Source:Jamboree;Acc:XB-GENE-992111]	0.7363	0.0017
ENSXETG00000023094	CDCA5	cell division cycle associated 5 [Source:Jamboree;Acc:XB-GENE-5908127]	0.2420	0.0000
ENSXETG00000007411	CDCA7L	cell division cycle associated 7-like [Source:Jamboree;Acc:XB-GENE-1217533]	0.7441	0.0081
ENSXETG00000002167	CDCA8	cell division cycle associated 8 [Source:Jamboree;Acc:XB-GENE-946929]	0.1073	0.0000
ENSXETG00000011269	CDH15	cadherin 15, M-cadherin (myotubule) [Source:Jamboree;Acc:XB-GENE-983662]	0.4680	0.0004
ENSXETG00000026460	CDH26	cadherin 26 [Source:Jamboree;Acc:XB-GENE-996979]	0.8046	0.0089
ENSXETG00000003123	CDK1	cyclin-dependent kinase 1 [Source:Jamboree;Acc:XB-GENE-482750]	0.1154	0.0000
ENSXETG00000021324	CDK19	cyclin-dependent kinase 19 [Source:Jamboree;Acc:XB-GENE-989176]	0.8140	0.0468
ENSXETG00000001437	CDK4	cyclin-dependent kinase 4 [Source:Jamboree;Acc:XB-GENE-5900655]	0.7774	0.0205
ENSXETG00000018739	CDO1	cysteine dioxygenase, type I [Source:Jamboree;Acc:XB-GENE-998513]	0.5934	0.0000
ENSXETG00000012286	CEBPB	CCAAT/enhancer binding protein (C/EBP), beta [Source:Jamboree;Acc:XB-GENE-479779]	0.5828	0.0367
ENSXETG00000027337	CEBPG	CCAAT/enhancer binding protein (C/EBP), gamma [Source:Jamboree;Acc:XB-GENE-919758]	0.4336	0.0008
ENSXETG00000000654	CEBPZ	CCAAT/enhancer binding protein (C/EBP), zeta [Source:Jamboree;Acc:XB-GENE-853892]	0.7550	0.0120
ENSXETG00000000873	CECR2	cat eye syndrome chromosome region, candidate 2 [Source:Jamboree;Acc:XB-GENE-6461178]	0.5001	0.0000
ENSXETG00000006265	CEL	carboxyl ester lipase (bile salt-stimulated lipase) [Source:Jamboree;Acc:XB-GENE-1217488]	0.7609	0.0130
ENSXETG00000023306	CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 [Source:Jamboree;Acc:XB-GENE-853455]	0.6972	0.0000
ENSXETG00000025040	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog) [Source:Jamboree;Acc:XB-GENE-919957]	0.8247	0.0441
ENSXETG00000005197	CENPA	centromere protein A [Source:Jamboree;Acc:XB-GENE-484234]	0.5919	0.0000
ENSXETG00000021319	CENPE	centromere protein E, 312kDa [Source:Jamboree;Acc:XB-GENE-952286]	0.1671	0.0000
ENSXETG00000023124	CENPF	centromere protein F, 350/400kDa (mitosin) [Source:Jamboree;Acc:XB-GENE-1002205]	0.2511	0.0000
ENSXETG00000009626	CENPI	centromere protein I [Source:Jamboree;Acc:XB-GENE-1013447]	0.4070	0.0005
ENSXETG00000000456	CENPK	centromere protein K [Source:Jamboree;Acc:XB-GENE-965498]	0.7293	0.0490
ENSXETG00000027331	CENPM	centromere protein M [Source:Jamboree;Acc:XB-GENE-966035]	0.6452	0.0230
ENSXETG00000006717	CENPV	centromere protein V [Source:Jamboree;Acc:XB-GENE-956917]	0.7232	0.0072
ENSXETG00000008781	CEP152	centrosomal protein 152kDa [Source:Jamboree;Acc:XB-GENE-988609]	0.4110	0.0000
ENSXETG00000016761	CEP19	centrosomal protein 19kDa [Source:Jamboree;Acc:XB-GENE-1003989]	0.6622	0.0325
ENSXETG00000021289	CEP57L1	centrosomal protein 57kDa-like 1 [Source:Jamboree;Acc:XB-GENE-5897356]	0.3320	0.0000
ENSXETG00000019671	CEP76	centrosomal protein 76kDa [Source:Jamboree;Acc:XB-GENE-966809]	0.6232	0.0034
ENSXETG00000012331	CEP85	centrosomal protein 85kDa [Source:Jamboree;Acc:XB-GENE-939967]	0.7638	0.0149
ENSXETG00000021646	CFD	complement factor D (adipsin) [Source:Jamboree;Acc:XB-GENE-973605]	0.5756	0.0165
ENSXETG00000012301	CFL2	cofilin 2 (non-muscle) [Source:Jamboree;Acc:XB-GENE-1002956]	0.3490	0.0001
ENSXETG00000013748	CFP	complement factor properdin [Source:Jamboree;Acc:XB-GENE-5941221]	0.2045	0.0000
ENSXETG00000010876	CGNL1	cingulin-like 1 [Source:Jamboree;Acc:XB-GENE-5754486]	0.7014	0.0022

ENSXETG00000024157	CHAF1A	chromatin assembly factor 1, subunit A (p150) [Source:Jamboree;Acc:XB-GENE-1001155]	0.7559	0.0005
ENSXETG00000013014	CHAF1B	chromatin assembly factor 1, subunit B (p60) [Source:Jamboree;Acc:XB-GENE-996578]	0.0865	0.0000
ENSXETG00000026434	CHCHD7	coiled-coil-helix-coiled-coil-helix domain containing 7 [Source:Jamboree;Acc:XB-GENE-1001357]	0.5187	0.0000
ENSXETG00000026410	CHD4	chromodomain helicase DNA binding protein 4 [Source:Jamboree;Acc:XB-GENE-995848]	0.8079	0.0204
ENSXETG00000014861	CHEK1	CHK1 checkpoint homolog [Source:Jamboree;Acc:XB-GENE-491846]	0.5156	0.0002
ENSXETG00000021608	CHEK2	CHK2 checkpoint homolog [Source:Jamboree;Acc:XB-GENE-5765421]	0.4848	0.0001
ENSXETG00000019071	CHID1	chitinase domain containing 1 [Source:Jamboree;Acc:XB-GENE-5752789]	0.7422	0.0436
ENSXETG00000013409	CHMP6	chromatin modifying protein 6 [Source:Jamboree;Acc:XB-GENE-973527]	0.8091	0.0334
ENSXETG00000023896	CHRNA5	cholinergic receptor, nicotinic, alpha 5 [Source:Jamboree;Acc:XB-GENE-5755296]	0.6796	0.0016
ENSXETG00000005776	CHTF18	CTF18, chromosome transmission fidelity factor 18 homolog [Source:Jamboree;Acc:XB-GENE-987602]	0.3293	0.0000
ENSXETG00000021948	CHTF8	CTF8, chromosome transmission fidelity factor 8 homolog [Source:Jamboree;Acc:XB-GENE-5729735]	0.6272	0.0056
ENSXETG00000019730	CIDEB	cell death-inducing DFFA-like effector b [Source:Jamboree;Acc:XB-GENE-964767]	0.3773	0.0383
ENSXETG00000016376	CIRH1A	cirrhosis, autosomal recessive 1A (cirhin) [Source:Jamboree;Acc:XB-GENE-977755]	0.7475	0.0036
ENSXETG00000000078	CISH	cytokine inducible SH2-containing protein [Source:Jamboree;Acc:XB-GENE-490099]	0.4478	0.0012
ENSXETG00000019718	CITED4	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 [Source:Jamboree;Acc:XB-GENE-946639]	0.6563	0.0006
ENSXETG00000020708	CKAP2	cytoskeleton associated protein 2 [Source:Jamboree;Acc:XB-GENE-1004436]	0.1410	0.0000
ENSXETG00000015421	CKS1B	CDC28 protein kinase regulatory subunit 1B [Source:Jamboree;Acc:XB-GENE-921479]	0.1004	0.0000
ENSXETG00000020877	CLCF1	cardiotrophin-like cytokine factor 1 [Source:Jamboree;Acc:XB-GENE-494214]	0.5267	0.0053
ENSXETG00000015050	CLDN1	claudin 1 [Source:Jamboree;Acc:XB-GENE-951609]	0.4276	0.0158
ENSXETG00000004749	CLDN19	claudin 19 [Source:Jamboree;Acc:XB-GENE-954659]	0.2827	0.0016
ENSXETG00000024073	CLIC1	chloride intracellular channel 1 [Source:Jamboree;Acc:XB-GENE-479419]	0.6391	0.0110
ENSXETG00000001496	CLINT1	clathrin interactor 1 [Source:Jamboree;Acc:XB-GENE-1013621]	0.7877	0.0047
ENSXETG00000010623	CLK3	CDC-like kinase 3 [Source:Jamboree;Acc:XB-GENE-5861130]	0.5108	0.0000
ENSXETG00000001242	CLMP	CXADR-like membrane protein [Source:Jamboree;Acc:XB-GENE-973667]	0.4946	0.0000
ENSXETG00000010442	CLNS1A	chloride channel, nucleotide-sensitive, 1A [Source:Jamboree;Acc:XB-GENE-973104]	0.7321	0.0015
ENSXETG00000024916	CMTM7	CKLF-like MARVEL transmembrane domain containing 7 [Source:Jamboree;Acc:XB-GENE-995961]	0.4296	0.0010
ENSXETG00000025147	CNBP	CCHC-type zinc finger, nucleic acid binding protein [Source:Jamboree;Acc:XB-GENE-919590]	0.7648	0.0014
ENSXETG00000023302	CNKSR3	CNKSR family member 3 [Source:Jamboree;Acc:XB-GENE-5872973]	0.7725	0.0452
ENSXETG00000018919	CNN3	calponin 3, acidic [Source:Jamboree;Acc:XB-GENE-951266]	0.6208	0.0000
ENSXETG00000025941	CNO	cappuccino homolog (mouse) [Source:Jamboree;Acc:XB-GENE-5771057]	0.7799	0.0362
ENSXETG00000000372	CNOT6L	CCR4-NOT transcription complex, subunit 6-like [Source:Jamboree;Acc:XB-GENE-977551]	0.7925	0.0114
ENSXETG00000000701	CNOT7	CCR4-NOT transcription complex, subunit 7 [Source:Jamboree;Acc:XB-GENE-969324]	0.7759	0.0111
ENSXETG00000015847	COG4	component of oligomeric golgi complex 4 [Source:Jamboree;Acc:XB-GENE-6085196]	0.7915	0.0089
ENSXETG00000005761	COL14A1	collagen, type XIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-990916]	0.3658	0.0000
ENSXETG00000010655	COL2A1	collagen, type II, alpha 1 [Source:Jamboree;Acc:XB-GENE-6258353]	0.6823	0.0001
ENSXETG00000022341	COL5A1	collagen, type V, alpha 1 [Source:Jamboree;Acc:XB-GENE-5954567]	0.6639	0.0000
ENSXETG00000010784	COL5A2	collagen, type V, alpha 2 [Source:HGNC Symbol;Acc:HGNC:2210]	0.4161	0.0000
ENSXETG00000003154	COLEC12	collectin sub-family member 12 [Source:Jamboree;Acc:XB-GENE-984626]	0.5909	0.0016
ENSXETG00000004328	COMMD5	COMM domain containing 5 [Source:Jamboree;Acc:XB-GENE-952087]	0.7654	0.0004
ENSXETG00000006315	COMT	catechol-O-methyltransferase [Source:Jamboree;Acc:XB-GENE-948947]	0.6569	0.0003
ENSXETG00000025068	CORO1A	coronin, actin binding protein, 1A [Source:Jamboree;Acc:XB-GENE-6449552]	0.4737	0.0185
ENSXETG00000008131	COX18	COX18 cytochrome c oxidase assembly homolog [Source:Jamboree;Acc:XB-GENE-1008496]	0.7322	0.0043
ENSXETG00000007428	CPNE1	copine I [Source:Jamboree;Acc:XB-GENE-982405]	0.7973	0.0280
ENSXETG00000016392	CREB1	cAMP responsive element binding protein 1 [Source:Jamboree;Acc:XB-GENE-945015]	0.8071	0.0391
ENSXETG00000017080	CRHBP	corticotropin releasing hormone binding protein [Source:Jamboree;Acc:XB-GENE-486316]	0.6289	0.0007
ENSXETG00000020053	CRLF3	cytokine receptor-like factor 3 [Source:Jamboree;Acc:XB-GENE-997453]	0.7406	0.0298
ENSXETG00000002494	CROT	carnitine O-octanoyltransferase [Source:Jamboree;Acc:XB-GENE-988067]	0.7350	0.0042
ENSXETG00000007851	CRTAP	cartilage associated protein [Source:Jamboree;Acc:XB-GENE-1009954]	0.6134	0.0008
ENSXETG00000016951	CRY1	cryptochrome 1 (photolyase-like) [Source:Jamboree;Acc:XB-GENE-946007]	0.7250	0.0001
ENSXETG00000013865	CRYBA2	crystallin, beta A2 [Source:Jamboree;Acc:XB-GENE-965120]	0.0417	0.0001
ENSXETG00000021448	CSDE1	cold shock domain containing E1, RNA-binding [Source:Jamboree;Acc:XB-GENE-944014]	0.8093	0.0157
ENSXETG00000000363	CSPG4	chondroitin sulfate proteoglycan 4 [Source:Jamboree;Acc:XB-GENE-5893460]	0.4660	0.0280
ENSXETG00000006705	CTBP2	C-terminal binding protein 2 [Source:RefSeq peptide;Acc:NP_001016866]	0.7629	0.0032
ENSXETG00000000856	CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1 [Source:Jamboree;Acc:XB-GENE-479716]	0.7923	0.0354
ENSXETG00000009646	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2 [Source:Jamboree;Acc:XB-GENE-951111]	0.7113	0.0000
ENSXETG00000008245	CTGF	connective tissue growth factor [Source:Jamboree;Acc:XB-GENE-855547]	0.5107	0.0000
ENSXETG00000011183	CTH	cystathionase (cystathionine gamma-lyase) [Source:Jamboree;Acc:XB-GENE-5784449]	0.3653	0.0003
ENSXETG00000008405	CTNNA1	catenin (cadherin-associated protein), alpha 1, 102kDa [Source:Jamboree;Acc:XB-GENE-479599]	0.5268	0.0000
ENSXETG00000012949	CTPS	CTP synthase [Source:Jamboree;Acc:XB-GENE-957432]	0.6833	0.0060
ENSXETG00000023890	CTSL1	cathepsin L1 [Source:Jamboree;Acc:XB-GENE-5907229]	0.3868	0.0001
ENSXETG00000022392	CTSO	cathepsin O [Source:Jamboree;Acc:XB-GENE-983441]	0.6105	0.0001
ENSXETG00000014207	CUEDC2	CUE domain containing 2 [Source:Jamboree;Acc:XB-GENE-1015746]	0.7408	0.0081
ENSXETG00000003744	CUTC	cutC copper transporter homolog [Source:Jamboree;Acc:XB-GENE-1005045]	0.6134	0.0001
ENSXETG00000003719	CWF19L1	CWF19-like 1, cell cycle control [Source:Jamboree;Acc:XB-GENE-995269]	0.7899	0.0275
ENSXETG00000014890	CXCR4	chemokine (C-X-C motif) receptor 4 [Source:Jamboree;Acc:XB-GENE-489917]	0.7286	0.0006
ENSXETG00000022592	CYB5R4	cytochrome b5 reductase 4 [Source:Jamboree;Acc:XB-GENE-984179]	0.7744	0.0333
ENSXETG00000018825	CYBRD1	cytochrome b reductase 1 [Source:Jamboree;Acc:XB-GENE-1011687]	0.5659	0.0002
ENSXETG00000015938	CYP1C1	cytochrome P450 family 1 subfamily C polypeptide 1 [Source:RefSeq peptide;Acc:NP_001191176]	0.5711	0.0369
ENSXETG00000021546	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-991500]	0.6106	0.0001
ENSXETG00000009665	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13 [Source:Jamboree;Acc:XB-GENE-5892286]	0.5158	0.0058
ENSXETG00000011104	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13 [Source:RefSeq peptide;Acc:NP_001004878]	0.3550	0.0071
ENSXETG00000019664	CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-1013989]	0.7829	0.0256
ENSXETG00000024577	CYTH2	cytohesin 2 [Source:Jamboree;Acc:XB-GENE-5834088]	0.6653	0.0000
ENSXETG00000013630	CYYR1	cysteine and tyrosine-rich 1 [Source:Jamboree;Acc:XB-GENE-854805]	0.2870	0.0000
ENSXETG00000012355	DACH1	dachshund homolog 1 [Source:Jamboree;Acc:XB-GENE-980849]	0.5799	0.0000
ENSXETG00000027492	DAPL1	death associated protein-like 1 [Source:Jamboree;Acc:XB-GENE-1014847]	0.5939	0.0000
ENSXETG00000025033	DARS	aspartyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-951509]	0.6986	0.0001
ENSXETG00000020372	DAXX	death-associated protein 6 [Source:Jamboree;Acc:XB-GENE-492953]	0.8178	0.0480
ENSXETG00000003387	DBF4B	DBF4 homolog B (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5829758]	0.6599	0.0000
ENSXETG00000014193	DBX1	developing brain homeobox 1 [Source:Jamboree;Acc:XB-GENE-480177]	0.1760	0.0000
ENSXETG00000021849	DCAF4	DDB1 and CUL4 associated factor 4 [Source:Jamboree;Acc:XB-GENE-989101]	0.7759	0.0378
ENSXETG00000023649	DCK.1	deoxycytidine kinase, gene 1 [Source:Jamboree;Acc:XB-GENE-956567]	0.2371	0.0000
ENSXETG00000018331	DCK.2	deoxycytidine kinase, gene 2 [Source:Jamboree;Acc:XB-GENE-5727742]	0.1017	0.0000
ENSXETG00000013186	DCLRE1B	DNA cross-link repair 1B [Source:Jamboree;Acc:XB-GENE-981156]	0.6226	0.0003
ENSXETG00000019042	DCTD	dCMP deaminase [Source:Jamboree;Acc:XB-GENE-971992]	0.2335	0.0001
ENSXETG00000018900	DCTPP1	dCTP pyrophosphatase 1 [Source:Jamboree;Acc:XB-GENE-958670]	0.5508	0.0003
ENSXETG00000006245	DDIT3	DNA-damage-inducible transcript 3 [Source:Jamboree;Acc:XB-GENE-1011286]	0.4974	0.0134
ENSXETG00000026976	DDIT4	DNA-damage-inducible transcript 4 [Source:Jamboree;Acc:XB-GENE-944276]	0.6663	0.0463
ENSXETG00000024086	DDR1	discoidin domain receptor tyrosine kinase 1 [Source:Jamboree;Acc:XB-GENE-485346]	0.4385	0.0000
ENSXETG00000014458	DDX10	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10 [Source:Jamboree;Acc:XB-GENE-985914]	0.7247	0.0176
ENSXETG00000003629	DDX11	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 [Source:Jamboree;Acc:XB-GENE-969935]	0.3682	0.0000
ENSXETG00000020819	DDX18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 [Source:Jamboree;Acc:XB-GENE-6085268]	0.6916	0.0044
ENSXETG00000010314	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24 [Source:Jamboree;Acc:XB-GENE-983004]	0.7000	0.0006
ENSXETG00000019762	DDX26B	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B [Source:Jamboree;Acc:XB-GENE-964063]	0.6967	0.0008
ENSXETG00000017231	DDX27	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 [Source:Jamboree;Acc:XB-GENE-923338]	0.6873	0.0007
ENSXETG00000020607	DDX39A	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A [Source:Jamboree;Acc:XB-GENE-966447]	0.6026	0.0000
ENSXETG00000011767	DDX43	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 [Source:Jamboree;Acc:XB-GENE-988016]	0.1851	0.0000
ENSXETG00000025903	DDX52	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52 [Source:Jamboree;Acc:XB-GENE-993518]	0.6899	0.0092
ENSXETG00000005825	DDX55	DEAD (Asp-Glu-Ala-Asp) box polypeptide 55 [Source:Jamboree;Acc:XB-GENE-972462]	0.7833	0.0130
ENSXETG00000014181	DEK	DEK oncogene [Source:Jamboree;Acc:XB-GENE-941718]	0.6690	0.0001
ENSXETG00000009955	DENND1B	DENN/MADD domain containing 1B [Source:Jamboree;Acc:XB-GENE-981228]	0.8214	0.0350
ENSXETG00000012376	DEPDC1	DEP domain containing 1 [Source:Jamboree;Acc:XB-GENE-1016421]	0.0931	0.0000
ENSXETG00000006073	DEPDC1B	DEP domain containing 1B [Source:Jamboree;Acc:XB-GENE-991208]	0.1008	0.0000

ENSXETG00000019275	DES.1	desmin, gene 1 [Source:Jamboree;Acc:XB-GENE-494931]	0.2602	0.0000
ENSXETG00000006035	DFFB	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase) [Source:Jamboree;Acc:XB-GENE-990152]	0.7263	0.0243
ENSXETG00000023444	DHODH	dihydroorotate dehydrogenase [Source:Jamboree;Acc:XB-GENE-967864]	0.7357	0.0063
ENSXETG00000002036	DHRS11	dehydrogenase/reductase (SDR family) member 11 [Source:Jamboree;Acc:XB-GENE-6048420]	0.7373	0.0004
ENSXETG00000001388	DHRS3	dehydrogenase/reductase (SDR family) member 3 [Source:Jamboree;Acc:XB-GENE-955324]	0.6297	0.0002
ENSXETG00000009173	DHX33	DEAH (Asp-Glu-Ala-His) box polypeptide 33 [Source:Jamboree;Acc:XB-GENE-949473]	0.6995	0.0024
ENSXETG00000012176	DHX34	DEAH (Asp-Glu-Ala-His) box polypeptide 34 [Source:Jamboree;Acc:XB-GENE-1009178]	0.7244	0.0074
ENSXETG00000001202	DHX37	DEAH (Asp-Glu-Ala-His) box polypeptide 37 [Source:Jamboree;Acc:XB-GENE-986494]	0.7193	0.0173
ENSXETG00000012389	DIRAS3	DIRAS family, GTP-binding RAS-like 3 [Source:Jamboree;Acc:XB-GENE-978992]	0.5586	0.0000
ENSXETG00000015865	DIS3L	DIS3 mitotic control homolog-like [Source:Jamboree;Acc:XB-GENE-1013178]	0.7741	0.0377
ENSXETG00000002875	DLC	putative ortholog of delta-like protein C precursor (SwissPro) [Source:Jamboree;Acc:XB-GENE-968497]	0.1290	0.0000
ENSXETG00000015731	DLGAP5	discs, large homolog-associated protein 5 [Source:Jamboree;Acc:XB-GENE-481549]	0.1332	0.0000
ENSXETG00000022525	DLL1	delta-like 1 [Source:Jamboree;Acc:XB-GENE-479210]	0.3488	0.0000
ENSXETG00000000527	DMGDH	dimethylglycine dehydrogenase [Source:Jamboree;Acc:XB-GENE-994138]	0.3819	0.0069
ENSXETG00000002846	DMRTA2	DMRT-like family A2 [Source:Jamboree;Acc:XB-GENE-997963]	0.3629	0.0002
ENSXETG00000007483	DNA2	DNA replication helicase 2 homolog [Source:Jamboree;Acc:XB-GENE-5828964]	0.6776	0.0001
ENSXETG00000024999	DNAJA2	DnaJ (Hsp40) homolog, subfamily A, member 2 [Source:Jamboree;Acc:XB-GENE-998337]	0.8191	0.0263
ENSXETG00000007390	DNAJC1	DnaJ (Hsp40) homolog, subfamily C, member 1 [Source:Jamboree;Acc:XB-GENE-950431]	0.5948	0.0000
ENSXETG00000007481	DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9 [Source:Jamboree;Acc:XB-GENE-1012221]	0.6234	0.0000
ENSXETG00000025076	DNASE2B	deoxyribonuclease II beta [Source:Jamboree;Acc:XB-GENE-980313]	0.6338	0.0000
ENSXETG00000003739	DNMBP	dynamin binding protein [Source:Jamboree;Acc:XB-GENE-967684]	0.4357	0.0000
ENSXETG00000022035	DNMT1	DNA (cytosine-5-)-methyltransferase 1 [Source:Jamboree;Acc:XB-GENE-965562]	0.7111	0.0002
ENSXETG00000001672	DPF2	D4, zinc and double PHD fingers family 2 [Source:Jamboree;Acc:XB-GENE-945337]	0.7603	0.0015
ENSXETG00000013835	DPH3	DPH3, KTI11 homolog [Source:Jamboree;Acc:XB-GENE-5819448]	0.5910	0.0237
ENSXETG00000020577	DPP3	dipeptidyl-peptidase 3 [Source:Jamboree;Acc:XB-GENE-5844045]	0.6261	0.0000
ENSXETG00000023585	DPYSL4	dihydropyrimidinase-like 4 [Source:Jamboree;Acc:XB-GENE-960292]	0.7967	0.0111
ENSXETG00000027990	DRAM1	DNA-damage regulated autophagy modulator 1 [Source:Jamboree;Acc:XB-GENE-489272]	0.5568	0.0009
ENSXETG00000026399	DSN1	DSN1, MIND kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-6257745]	0.6852	0.0006
ENSXETG00000020444	DSP	desmoplakin [Source:Jamboree;Acc:XB-GENE-492195]	0.4720	0.0000
ENSXETG00000015432	DTNBP1	dystrobrevin binding protein 1 [Source:Jamboree;Acc:XB-GENE-5812147]	0.8108	0.0052
ENSXETG00000003345	DTX3	protein deltex-3 [Source:RefSeq peptide;Acc:NP_001017353]	0.5206	0.0410
ENSXETG00000011970	DTX4	deltex homolog 4 [Source:Jamboree;Acc:XB-GENE-996046]	0.3718	0.0000
ENSXETG00000007754	DUOX1	dual oxidase 1 [Source:Jamboree;Acc:XB-GENE-1005876]	0.5682	0.0170
ENSXETG00000008156	DUSP4	dual specificity phosphatase 4 [Source:Jamboree;Acc:XB-GENE-1007215]	0.7715	0.0106
ENSXETG00000021428	E2F1	E2F transcription factor 1 [Source:Jamboree;Acc:XB-GENE-481741]	0.2849	0.0000
ENSXETG00000000021	E2F3	E2F transcription factor 3 [Source:Jamboree;Acc:XB-GENE-974737]	0.4673	0.0000
ENSXETG00000013780	E2F5	E2F transcription factor 5, p130-binding [Source:Jamboree;Acc:XB-GENE-481326]	0.5693	0.0000
ENSXETG00000014320	E2F7	E2F transcription factor 7 [Source:Jamboree;Acc:XB-GENE-1018445]	0.0912	0.0000
ENSXETG00000004436	E2F8	E2F transcription factor 8 [Source:Jamboree;Acc:XB-GENE-1219148]	0.1518	0.0000
ENSXETG00000010153	EBF2	early B-cell factor 2 [Source:Jamboree;Acc:XB-GENE-971136]	0.5815	0.0000
ENSXETG00000011309	EBF3	early B-cell factor 3 [Source:Jamboree;Acc:XB-GENE-962543]	0.7397	0.0001
ENSXETG00000012756	EBF4	early B-cell factor 4 [Source:Jamboree;Acc:XB-GENE-6030626]	0.7080	0.0001
ENSXETG00000009545	EBNA1BP2	EBNA1 binding protein 2 [Source:Jamboree;Acc:XB-GENE-998147]	0.7605	0.0297
ENSXETG00000017302	ECI1	enoyl-CoA delta isomerase 1 [Source:Jamboree;Acc:XB-GENE-999272]	0.7243	0.0187
ENSXETG00000020918	ECM2.1	extracellular matrix protein 2, female organ and adipocyte specific, gene 1 [Source:Jamboree;Acc:XB-GENE-951818]	0.3584	0.0146
ENSXETG00000023596	ECT2	epithelial cell transforming sequence 2 oncogene [Source:Jamboree;Acc:XB-GENE-998093]	0.1539	0.0000
ENSXETG00000011522	EDA2R	ectodysplasin A2 receptor [Source:Jamboree;Acc:XB-GENE-940659]	0.0371	0.0189
ENSXETG00000015454	EDNRB	endothelin receptor type B [Source:Jamboree;Acc:XB-GENE-963709]	0.1295	0.0000
ENSXETG00000001182	EEF1A1	eukaryotic translation elongation factor 1 alpha 1 [Source:Jamboree;Acc:XB-GENE-480094]	0.5852	0.0000
ENSXETG00000022604	EEF1A1O	eukaryotic translation elongation factor 1 alpha 1, oocyte form [Source:Jamboree;Acc:XB-GENE-1218983]	0.0885	0.0000
ENSXETG00000010098	EEF1B2	eukaryotic translation elongation factor 1 beta 2 [Source:Jamboree;Acc:XB-GENE-966955]	0.6082	0.0000
ENSXETG00000004674	EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) [Source:Jamboree;Acc:XB-GENE-958968]	0.7064	0.0000
ENSXETG00000006391	EEF2.1	eukaryotic translation elongation factor 2, gene 1 [Source:Jamboree;Acc:XB-GENE-969739]	0.7694	0.0054
ENSXETG00000013368	EGF	epidermal growth factor [Source:Jamboree;Acc:XB-GENE-951823]	0.6402	0.0000
ENSXETG00000002600	EGLN2	egl nine homolog 2 [Source:Jamboree;Acc:XB-GENE-961781]	0.5246	0.0000
ENSXETG00000024055	EIF2AK1	eukaryotic translation initiation factor 2-alpha kinase 1 [Source:Jamboree;Acc:XB-GENE-962479]	0.7220	0.0238
ENSXETG00000002204	EIF2AK4	eukaryotic translation initiation factor 2 alpha kinase 4 [Source:Jamboree;Acc:XB-GENE-967321]	0.8032	0.0227
ENSXETG00000005830	EIF2B1	eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa [Source:Jamboree;Acc:XB-GENE-972471]	0.7930	0.0276
ENSXETG00000023678	EIF2D	eukaryotic translation initiation factor 2D [Source:Jamboree;Acc:XB-GENE-947279]	0.6883	0.0015
ENSXETG00000011221	EIF2S1	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa [Source:Jamboree;Acc:XB-GENE-989630]	0.7770	0.0054
ENSXETG00000010241	EIF3A	eukaryotic translation initiation factor 3, subunit A [Source:Jamboree;Acc:XB-GENE-994394]	0.7926	0.0031
ENSXETG00000020593	EIF3B	eukaryotic translation initiation factor 3, subunit B [Source:Jamboree;Acc:XB-GENE-963850]	0.6758	0.0000
ENSXETG00000002941	EIF3C	eukaryotic translation initiation factor 3, subunit C [Source:Jamboree;Acc:XB-GENE-5720067]	0.7891	0.0038
ENSXETG00000003602	EIF3E	eukaryotic translation initiation factor 3, subunit E [Source:Jamboree;Acc:XB-GENE-946246]	0.6273	0.0000
ENSXETG00000027008	EIF3G	eukaryotic translation initiation factor 3, subunit G [Source:Jamboree;Acc:XB-GENE-6070198]	0.6641	0.0005
ENSXETG00000007407	EIF3H	eukaryotic translation initiation factor 3, subunit H [Source:Jamboree;Acc:XB-GENE-958115]	0.7812	0.0084
ENSXETG00000005247	EIF3I	eukaryotic translation initiation factor 3, subunit I [Source:Jamboree;Acc:XB-GENE-974377]	0.7480	0.0005
ENSXETG00000024723	EIF3K	eukaryotic translation initiation factor 3, subunit K [Source:Jamboree;Acc:XB-GENE-992842]	0.7781	0.0074
ENSXETG00000008167	EIF3M	eukaryotic translation initiation factor 3, subunit M [Source:Jamboree;Acc:XB-GENE-968605]	0.6585	0.0000
ENSXETG00000001829	EIF4B	eukaryotic translation initiation factor 4B [Source:Jamboree;Acc:XB-GENE-988676]	0.7525	0.0002
ENSXETG00000025651	EIF4EBP2	eukaryotic translation initiation factor 4E binding protein 2 [Source:Jamboree;Acc:XB-GENE-485270]	0.7823	0.0032
ENSXETG00000019377	EIF5B	eukaryotic translation initiation factor 5B [Source:Jamboree;Acc:XB-GENE-6258156]	0.7290	0.0079
ENSXETG00000001891	ELK3	ELK3, ETS-domain protein (SRF accessory protein 2) [Source:Jamboree;Acc:XB-GENE-853037]	0.7014	0.0342
ENSXETG00000016731	ELOF1	elongation factor 1 homolog [Source:Jamboree;Acc:XB-GENE-940560]	0.5989	0.0000
ENSXETG00000017712	EMB	embigin [Source:Jamboree;Acc:XB-GENE-6258633]	0.5484	0.0000
ENSXETG00000001223	EMILIN1	elastin microfibril interfacer 1 [Source:Jamboree;Acc:XB-GENE-997654]	0.6345	0.0007
ENSXETG00000017316	EMILIN3	elastin microfibril interfacer 3 [Source:Jamboree;Acc:XB-GENE-982469]	0.5342	0.0413
ENSXETG00000012783	EMP2	epithelial membrane protein 2 [Source:Jamboree;Acc:XB-GENE-957163]	0.2086	0.0000
ENSXETG00000010619	EMP3	epithelial membrane protein 3 [Source:Jamboree;Acc:XB-GENE-952486]	0.3334	0.0002
ENSXETG00000022080	EMX2	empty spiracles homeobox 2 [Source:Jamboree;Acc:XB-GENE-481028]	0.6511	0.0001
ENSXETG00000014994	EN1	engrailed homeobox 1 [Source:Jamboree;Acc:XB-GENE-5737237]	0.4378	0.0309
ENSXETG00000006439	ENC1.2	ectodermal-neural cortex (with BTB-like domain), gene 2 [Source:Jamboree;Acc:XB-GENE-5914613]	0.6640	0.0000
ENSXETG00000001534	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6 [Source:Jamboree;Acc:XB-GENE-977063]	0.3765	0.0000
ENSXETG00000014407	EPB41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked) [Source:Jamboree;Acc:XB-GENE-481625]	0.6785	0.0000
ENSXETG00000008237	EPB41L2	erythrocyte membrane protein band 4.1-like 2 [Source:Jamboree;Acc:XB-GENE-988171]	0.7765	0.0035
ENSXETG00000021731	EPHA2	EPH receptor A2 [Source:Jamboree;Acc:XB-GENE-5761259]	0.4200	0.0061
ENSXETG00000002019	EPS8L3	EPS8-like 3 [Source:Jamboree;Acc:XB-GENE-982663]	0.3232	0.0276
ENSXETG00000019727	EPX	eosinophil peroxidase [Source:Jamboree;Acc:XB-GENE-6039946]	0.0698	0.0000
ENSXETG00000019633	ERAL1	Era G-protein-like 1 [Source:Jamboree;Acc:XB-GENE-5887346]	0.7615	0.0310
ENSXETG00000000448	ERBB2IP	erbb2 interacting protein [Source:Jamboree;Acc:XB-GENE-977040]	0.7809	0.0089
ENSXETG00000010991	ERCC4	excision repair cross-complementing rodent repair deficiency, complementation group 4 [Source:Jamboree;Acc:XB-GENE-986815]	0.7743	0.0332
ENSXETG00000026664	ERCC6	excision repair cross-complementing rodent repair deficiency, complementation group 6 [Source:RefSeq peptide;Acc:NP_001016056]	0.7715	0.0088
ENSXETG00000022574	ERCC6L	excision repair cross-complementing rodent repair deficiency, complementation group 6-like [Source:Jamboree;Acc:XB-GENE-988849]	0.1152	0.0000
ENSXETG00000012067	ERF	Ets2 repressor factor [Source:Jamboree;Acc:XB-GENE-852957]	0.6207	0.0012
ENSXETG00000016659	ERI2	ERI1 exoribonuclease family member 2 [Source:Jamboree;Acc:XB-GENE-970828]	0.3318	0.0000
ENSXETG00000010337	ERN2	endoplasmic reticulum to nucleus signaling 2 [Source:Jamboree;Acc:XB-GENE-4594134]	0.5979	0.0023
ENSXETG00000006017	ERRFI1	ERBB receptor feedback inhibitor 1 [Source:Jamboree;Acc:XB-GENE-1005334]	0.6359	0.0017
ENSXETG00000020442	ESCO2	establishment of cohesion 1 homolog 2 (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5955289]	0.0991	0.0000
ENSXETG00000015425	ESD	esterase D [Source:Jamboree;Acc:XB-GENE-952572]	0.7112	0.0025
ENSXETG00000012668	ESPL1	extra spindle pole bodies homolog 1 [Source:Jamboree;Acc:XB-GENE-1004361]	0.1828	0.0000
ENSXETG00000001165	ESPN	espin [Source:Jamboree;Acc:XB-GENE-960582]	0.7679	0.0318
ENSXETG00000025522	ESR10	enhancer of split related 10 [Source:Jamboree;Acc:XB-GENE-6492485]	0.2154	0.0000

ENSXETG00000009481	ESYT1	extended synaptotagmin-like protein 1 [Source:Jamboree;Acc:XB-GENE-985213]	0.7785	0.0009
ENSXETG00000000736	EVX1	even-skipped homeobox 1 [Source:Jamboree;Acc:XB-GENE-483664]	0.5283	0.0001
ENSXETG00000007572	EVX2	even-skipped homeobox 2 [Source:Jamboree;Acc:XB-GENE-852923]	0.6579	0.0246
ENSXETG00000019032	EXO1	exonuclease 1 [Source:Jamboree;Acc:XB-GENE-982078]	0.2595	0.0000
ENSXETG00000013799	EXOC3L1	exocyst complex component 3-like 1 [Source:Jamboree;Acc:XB-GENE-6258780]	0.6302	0.0070
ENSXETG00000006318	EXOSC10	exosome component 10 [Source:Jamboree;Acc:XB-GENE-946594]	0.6558	0.0000
ENSXETG00000004668	EXOSC4	exosome component 4 [Source:Jamboree;Acc:XB-GENE-969649]	0.6709	0.0160
ENSXETG00000021118	EXOSC9	exosome component 9 [Source:Jamboree;Acc:XB-GENE-992913]	0.5649	0.0000
ENSXETG00000012888	EYA3	eyes absent homolog 3 [Source:Jamboree;Acc:XB-GENE-486218]	0.7496	0.0057
ENSXETG00000020146	EZH2	enhancer of zeste homolog 2 [Source:Jamboree;Acc:XB-GENE-956215]	0.7419	0.0041
ENSXETG00000014574	F13B	coagulation factor 13, B polypeptide [Source:Jamboree;Acc:XB-GENE-5836257]	0.3289	0.0017
ENSXETG00000001932	F7	coagulation factor 7 (serum prothrombin conversion accelerator) [Source:Jamboree;Acc:XB-GENE-5787186]	0.1214	0.0176
ENSXETG00000023297	FABP7	fatty acid binding protein 7, brain [Source:Jamboree;Acc:XB-GENE-967704]	0.4993	0.0000
ENSXETG00000024287	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:Jamboree;Acc:XB-GENE-964392]	0.3986	0.0000
ENSXETG00000025265	FAM100B	family with sequence similarity 100, member B [Source:Jamboree;Acc:XB-GENE-987732]	0.7425	0.0008
ENSXETG00000005936	FAM126A	family with sequence similarity 126, member A [Source:Jamboree;Acc:XB-GENE-854836]	0.6934	0.0001
ENSXETG00000018162	FAM151B	family with sequence similarity 151, member B [Source:Jamboree;Acc:XB-GENE-5954319]	0.4058	0.0000
ENSXETG00000014838	FAM175A	family with sequence similarity 175, member A [Source:Jamboree;Acc:XB-GENE-5730310]	0.5359	0.0000
ENSXETG00000011253	FAM38A	family with sequence similarity 38, member A [Source:Jamboree;Acc:XB-GENE-6050252]	0.3171	0.0000
ENSXETG00000003878	FAM53A	family with sequence similarity 53, member A [Source:Jamboree;Acc:XB-GENE-920487]	0.4558	0.0000
ENSXETG00000017718	FAM54A	family with sequence similarity 54, member A [Source:Jamboree;Acc:XB-GENE-987506]	0.2787	0.0000
ENSXETG00000002679	FAM60A	family with sequence similarity 60, member A [Source:Jamboree;Acc:XB-GENE-995755]	0.1526	0.0000
ENSXETG00000026473	FAM64A	family with sequence similarity 64, member A [Source:Jamboree;Acc:XB-GENE-983497]	0.1018	0.0000
ENSXETG00000012297	FAM65C	family with sequence similarity 65, member C [Source:Jamboree;Acc:XB-GENE-5935939]	0.6271	0.0093
ENSXETG00000012144	FAM83D	family with sequence similarity 83, member D [Source:Jamboree;Acc:XB-GENE-964363]	0.3483	0.0000
ENSXETG00000003617	FANCD2	Fanconi anemia, complementation group D2 [Source:Jamboree;Acc:XB-GENE-984801]	0.4476	0.0000
ENSXETG00000009606	FANCF	Fanconi anemia, complementation group F [Source:Jamboree;Acc:XB-GENE-5796325]	0.5565	0.0155
ENSXETG00000017742	FANCI	Fanconi anemia, complementation group I [Source:Jamboree;Acc:XB-GENE-981363]	0.6528	0.0045
ENSXETG00000020481	FANCL	Fanconi anemia, complementation group L [Source:Jamboree;Acc:XB-GENE-978042]	0.4134	0.0000
ENSXETG00000017830	FBL	fibrillarin [Source:Jamboree;Acc:XB-GENE-970225]	0.7373	0.0178
ENSXETG00000013772	FBLN7	fibulin 7 [Source:Jamboree;Acc:XB-GENE-1008557]	0.4593	0.0000
ENSXETG00000001781	FBN3	fibrillin 3 [Source:Jamboree;Acc:XB-GENE-1217676]	0.7101	0.0000
ENSXETG00000017588	FBP1	fructose-1,6-bisphosphatase 1 [Source:Jamboree;Acc:XB-GENE-1002596]	0.4912	0.0093
ENSXETG00000023851	FBRSL1	fibrosin-like 1 [Source:Jamboree;Acc:XB-GENE-6464685]	0.7911	0.0081
ENSXETG00000017882	FBXO43	F-box protein 43 [Source:Jamboree;Acc:XB-GENE-951946]	0.1295	0.0000
ENSXETG00000018545	FBXO5	F-box protein 5 [Source:Jamboree;Acc:XB-GENE-953946]	0.3018	0.0074
ENSXETG00000010172	FDXACB1	ferredoxin-fold anticodon binding domain containing 1 [Source:Jamboree;Acc:XB-GENE-950096]	0.6915	0.0271
ENSXETG00000009239	FGD6	FYVE, RhoGEF and PH domain containing 6 [Source:Jamboree;Acc:XB-GENE-5824462]	0.7610	0.0412
ENSXETG00000008069	FGF11	fibroblast growth factor 11 [Source:Jamboree;Acc:XB-GENE-479522]	0.6217	0.0018
ENSXETG00000015592	FGFR2	fibroblast growth factor receptor 2 [Source:Jamboree;Acc:XB-GENE-1018296]	0.7781	0.0065
ENSXETG00000007231	FGFR4	fibroblast growth factor receptor 4 [Source:Jamboree;Acc:XB-GENE-478699]	0.2154	0.0000
ENSXETG00000003608	FILIP1	filamin A interacting protein 1 [Source:Jamboree;Acc:XB-GENE-1003881]	0.3784	0.0000
ENSXETG00000011679	FIP1L1	FIP1 like 1 [Source:Jamboree;Acc:XB-GENE-985496]	0.7781	0.0072
ENSXETG00000009816	FKBP11	FK506 binding protein 11, 19 kDa [Source:Jamboree;Acc:XB-GENE-966311]	0.6505	0.0001
ENSXETG00000008998	FKBP14	FK506 binding protein 14, 22 kDa [Source:Jamboree;Acc:XB-GENE-949902]	0.6812	0.0069
ENSXETG00000001644	FKBP4	FK506 binding protein 4, 59kDa [Source:Jamboree;Acc:XB-GENE-948088]	0.7198	0.0009
ENSXETG00000015018	FKBP7	FK506 binding protein 7 [Source:Jamboree;Acc:XB-GENE-977646]	0.3756	0.0000
ENSXETG00000022780	FLI1	Fli-1 proto-oncogene, ETS transcription factor [Source:RefSeq peptide;Acc:NP_001096189]	0.4551	0.0001
ENSXETG00000019938	FNBP4	formin binding protein 4 [Source:Jamboree;Acc:XB-GENE-6088480]	0.7144	0.0070
ENSXETG00000002203	FNTB	farnesyltransferase, CAAX box, beta [Source:Jamboree;Acc:XB-GENE-494043]	0.8195	0.0362
ENSXETG00000025867	FOXA1	forkhead box A1 [Source:Jamboree;Acc:XB-GENE-487352]	0.2648	0.0000
ENSXETG00000026998	FOXA2	forkhead box A2 [Source:Jamboree;Acc:XB-GENE-480476]	0.2642	0.0000
ENSXETG00000017708	FOXB1	forkhead box B1 [Source:Jamboree;Acc:XB-GENE-1018255]	0.6144	0.0000
ENSXETG00000016387	FOXC2	forkhead box C2 (MFH-1, mesenchyme forkhead 1) [Source:Jamboree;Acc:XB-GENE-481382]	0.4660	0.0027
ENSXETG00000016818	FOXD1	forkhead box D1 [Source:Jamboree;Acc:XB-GENE-488077]	0.4557	0.0012
ENSXETG00000010836	FOXD3	forkhead box D3 [Source:Jamboree;Acc:XB-GENE-487289]	0.5426	0.0191
ENSXETG00000022803	FOXK2	forkhead box K2 [Source:Jamboree;Acc:XB-GENE-483520]	0.7320	0.0003
ENSXETG00000001315	FOXM1	forkhead box M1 [Source:Jamboree;Acc:XB-GENE-854081]	0.1094	0.0000
ENSXETG00000014847	FOXO3	forkhead box O3 [Source:Jamboree;Acc:XB-GENE-945072]	0.8127	0.0477
ENSXETG00000008510	FOXP1	forkhead box P1 [Source:Jamboree;Acc:XB-GENE-961745]	0.7812	0.0117
ENSXETG00000011856	FOXP4	forkhead box P4 [Source:Jamboree;Acc:XB-GENE-982692]	0.4673	0.0000
ENSXETG00000008529	FOXQ1	forkhead box Q1 [Source:Jamboree;Acc:XB-GENE-483842]	0.6417	0.0233
ENSXETG00000022007	FPGS	folylpolyglutamate synthase [Source:Jamboree;Acc:XB-GENE-1003162]	0.5369	0.0004
ENSXETG00000023119	FRMD8	FERM domain containing 8 [Source:Jamboree;Acc:XB-GENE-5852953]	0.7024	0.0141
ENSXETG00000001426	FRS2	fibroblast growth factor receptor substrate 2 [Source:Jamboree;Acc:XB-GENE-479760]	0.7526	0.0033
ENSXETG00000006737	FTMT	ferritin mitochondrial [Source:Jamboree;Acc:XB-GENE-955502]	0.7862	0.0363
ENSXETG00000005816	FTO	fat mass and obesity associated [Source:Jamboree;Acc:XB-GENE-972564]	0.5598	0.0001
ENSXETG00000006939	FTSJ3	FtsJ homolog 3 [Source:Jamboree;Acc:XB-GENE-5797493]	0.6868	0.0007
ENSXETG00000017502	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase) [Source:Jamboree;Acc:XB-GENE-976919]	0.5253	0.0002
ENSXETG00000002931	FZD10	frizzled family receptor 10 [Source:Jamboree;Acc:XB-GENE-480379]	0.4081	0.0000
ENSXETG00000008840	FZD2	frizzled family receptor 2 [Source:Jamboree;Acc:XB-GENE-487022]	0.3801	0.0000
ENSXETG00000004106	FZD6	frizzled family receptor 6 [Source:Jamboree;Acc:XB-GENE-478813]	0.5664	0.0000
ENSXETG00000014180	G2E3	G2/M-phase specific E3 ubiquitin protein ligase [Source:Jamboree;Acc:XB-GENE-999810]	0.5768	0.0000
ENSXETG00000013611	GABPA	GA binding protein transcription factor, alpha subunit 60kDa [Source:Jamboree;Acc:XB-GENE-987250]	0.7526	0.0096
ENSXETG00000016116	GABPB1	GA binding protein transcription factor, beta subunit 1 [Source:Jamboree;Acc:XB-GENE-993505]	0.7576	0.0117
ENSXETG00000026537	GADD45G	growth arrest and DNA-damage-inducible, gamma [Source:Jamboree;Acc:XB-GENE-481955]	0.6453	0.0000
ENSXETG00000012573	GALK1	galactokinase 1 [Source:Jamboree;Acc:XB-GENE-969127]	0.6990	0.0000
ENSXETG00000009022	GALM	galactose mutarotase (aldose 1-epimerase) [Source:Jamboree;Acc:XB-GENE-1001023]	0.7950	0.0041
ENSXETG00000024114	GAR1	GAR1 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-6258514]	0.7216	0.0045
ENSXETG00000018474	GARS	glycyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-963079]	0.6592	0.0000
ENSXETG00000014148	GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase [Source:Jamboree;Acc:XB-GENE-993017]	0.7785	0.0319
ENSXETG00000016171	GATA2	GATA binding protein 2 [Source:Jamboree;Acc:XB-GENE-478165]	0.6545	0.0000
ENSXETG00000025398	GATA3	GATA binding protein 3 [Source:Jamboree;Acc:XB-GENE-485930]	0.6479	0.0000
ENSXETG00000016443	GATSL3	GATS protein-like 3 [Source:Jamboree;Acc:XB-GENE-960689]	0.8139	0.0392
ENSXETG00000015966	GCAT	glycine C-acetyltransferase [Source:Jamboree;Acc:XB-GENE-984769]	0.5855	0.0000
ENSXETG00000009903	GCFC1	GC-rich sequence DNA-binding factor 1 [Source:Jamboree;Acc:XB-GENE-974036]	0.8045	0.0130
ENSXETG00000000187	GCSH	glycine cleavage system protein H (aminomethyl carrier) [Source:Jamboree;Acc:XB-GENE-956061]	0.7327	0.0047
ENSXETG00000001264	GGCX	gamma-glutamyl carboxylase [Source:Jamboree;Acc:XB-GENE-949715]	0.7508	0.0035
ENSXETG00000004250	GGT5	gamma-glutamyltransferase 5 [Source:Jamboree;Acc:XB-GENE-980804]	0.8249	0.0217
ENSXETG00000014248	GH1	growth hormone 1 [Source:Jamboree;Acc:XB-GENE-487882]	0.4815	0.0005
ENSXETG00000023610	GHSR	growth hormone secretagogue receptor [Source:Jamboree;Acc:XB-GENE-484475]	0.5832	0.0088
ENSXETG00000004469	GINS2	GINS complex subunit 2 (Psf2 homolog) [Source:Jamboree;Acc:XB-GENE-1003828]	0.6377	0.0005
ENSXETG00000013741	GINS3	GINS complex subunit 3 (Psf3 homolog) [Source:Jamboree;Acc:XB-GENE-998288]	0.6911	0.0351
ENSXETG00000016809	GINS4	GINS complex subunit 4 (Sld5 homolog) [Source:Jamboree;Acc:XB-GENE-949838]	0.5588	0.0000
ENSXETG00000003391	GJC1	gap junction protein, gamma 1, 45kDa [Source:Jamboree;Acc:XB-GENE-491089]	0.2172	0.0000
ENSXETG00000000543	GLDC	glycine dehydrogenase (decarboxylating) [Source:Jamboree;Acc:XB-GENE-1221322]	0.5200	0.0000
ENSXETG00000017144	GLI1.1	GLI family zinc finger 1, gene 1 [Source:Jamboree;Acc:XB-GENE-482644]	0.3009	0.0000
ENSXETG00000001856	GLI3	GLI family zinc finger 3 [Source:Jamboree;Acc:XB-GENE-484855]	0.4787	0.0000
ENSXETG00000023455	GLIPR2	GLI pathogenesis-related 2 [Source:Jamboree;Acc:XB-GENE-5758336]	0.6093	0.0000
ENSXETG00000002782	GLTSCR2	glioma tumor suppressor candidate region gene 2 [Source:Jamboree;Acc:XB-GENE-853827]	0.8269	0.0299
ENSXETG00000000380	GLUL	glutamate-ammonia ligase [Source:Jamboree;Acc:XB-GENE-5923225]	0.4973	0.0002
ENSXETG00000014814	GMNN	geminin, DNA replication inhibitor [Source:Jamboree;Acc:XB-GENE-966994]	0.2659	0.0000
ENSXETG00000005954	GMPPB	GDP-mannose pyrophosphorylase B [Source:Jamboree;Acc:XB-GENE-922650]	0.6794	0.0060
ENSXETG00000025073	GNG5	guanine nucleotide binding protein (G protein), gamma 5 [Source:Jamboree;Acc:XB-GENE-963560]	0.5663	0.0000
ENSXETG00000024087	GNL1	guanine nucleotide binding protein-like 1 [Source:Jamboree;Acc:XB-GENE-481292]	0.7372	0.0027

ENSXETG00000002161	GNL2	guanine nucleotide binding protein-like 2 (nucleolar) [Source:Jamboree;Acc:XB-GENE-946916]	0.6092	0.0000
ENSXETG00000020533	GOLM1	golgi membrane protein 1 [Source:Jamboree;Acc:XB-GENE-1002584]	0.7022	0.0284
ENSXETG00000003496	GPBP1L1	GC-rich promoter binding protein 1-like 1 [Source:Jamboree;Acc:XB-GENE-941038]	0.7588	0.0046
ENSXETG00000005400	GPC4	glypican 4 [Source:Jamboree;Acc:XB-GENE-976427]	0.6208	0.0000
ENSXETG00000003034	GPC5	glypican 5 [Source:Jamboree;Acc:XB-GENE-6031723]	0.7225	0.0213
ENSXETG00000015784	GPR143	G protein-coupled receptor 143 [Source:Jamboree;Acc:XB-GENE-5848649]	0.6822	0.0475
ENSXETG00000026559	GPR157	G protein-coupled receptor 157 [Source:Jamboree;Acc:XB-GENE-492646]	0.4972	0.0001
ENSXETG00000002410	GPR161	G protein-coupled receptor 161 [Source:Jamboree;Acc:XB-GENE-1003408]	0.3525	0.0000
ENSXETG00000023749	GPR20	G protein-coupled receptor 20 [Source:Jamboree;Acc:XB-GENE-6040269]	0.4031	0.0001
ENSXETG00000015795	GPR68	G protein-coupled receptor 68 [Source:Jamboree;Acc:XB-GENE-982994]	0.7764	0.0060
ENSXETG00000019628	GPR98	G protein-coupled receptor 98 [Source:Jamboree;Acc:XB-GENE-1010012]	0.4858	0.0000
ENSXETG00000004596	GPRC5C	G protein-coupled receptor, family C, group 5, member C [Source:Jamboree;Acc:XB-GENE-923223]	0.7817	0.0115
ENSXETG00000005230	GPSM2	G-protein signaling modulator 2 [Source:Jamboree;Acc:XB-GENE-949357]	0.8052	0.0438
ENSXETG00000003895	GPT	glutamic-pyruvate transaminase (alanine aminotransferase) [Source:Jamboree;Acc:XB-GENE-998352]	0.6080	0.0000
ENSXETG00000005933	GPX1	glutathione peroxidase 1 [Source:Jamboree;Acc:XB-GENE-922630]	0.5799	0.0001
ENSXETG00000028092	GPX8	glutathione peroxidase 8 (putative) [Source:Jamboree;Acc:XB-GENE-6257701]	0.4307	0.0002
ENSXETG00000005193	GRAMD3	GRAM domain containing 3 [Source:Jamboree;Acc:XB-GENE-490792]	0.5106	0.0001
ENSXETG00000001972	GRTP1	growth hormone regulated TBC protein 1 [Source:Jamboree;Acc:XB-GENE-950226]	0.5152	0.0026
ENSXETG00000004598	GRWD1	glutamate-rich WD repeat containing 1 [Source:Jamboree;Acc:XB-GENE-986093]	0.7844	0.0133
ENSXETG00000026602	GSTO2	glutathione S-transferase omega 2 [Source:Jamboree;Acc:XB-GENE-967227]	0.7071	0.0002
ENSXETG00000011079	GSTZ1	glutathione transferase zeta 1 [Source:Jamboree;Acc:XB-GENE-978910]	0.7492	0.0032
ENSXETG00000011784	GSX1	GS homeobox 1 [Source:Jamboree;Acc:XB-GENE-855502]	0.3931	0.0000
ENSXETG00000021030	GSX2	GS homeobox 2 [Source:Jamboree;Acc:XB-GENE-4925051]	0.1954	0.0182
ENSXETG00000009918	GTF2E1	general transcription factor IIE, polypeptide 1, alpha 56kDa [Source:Jamboree;Acc:XB-GENE-959290]	0.7525	0.0465
ENSXETG00000002001	GTPBP5	GTP binding protein 5 (putative) [Source:Jamboree;Acc:XB-GENE-974614]	0.5667	0.0006
ENSXETG00000001541	GUCA1B	guanylate cyclase activator 1B (retina) [Source:HGNC Symbol;Acc:HGNC:4679]	0.6561	0.0002
ENSXETG00000008719	GZMH	granzyme H (cathepsin G-like 2, protein h-CCPX) [Source:Jamboree;Acc:XB-GENE-5954079]	0.7848	0.0466
ENSXETG00000024745	H1FX	H1 histone family, member X [Source:Jamboree;Acc:XB-GENE-5928644]	0.4377	0.0000
ENSXETG00000017150	H2AFY2	H2A histone family, member Y2 [Source:Jamboree;Acc:XB-GENE-1015564]	0.7550	0.0013
ENSXETG00000014841	HABP4	hyaluronan binding protein 4 [Source:Jamboree;Acc:XB-GENE-490018]	0.3580	0.0000
ENSXETG00000021105	HADH	hydroxyacyl-CoA dehydrogenase [Source:Jamboree;Acc:XB-GENE-1007278]	0.7117	0.0015
ENSXETG00000012489	HAP1	huntingtin-associated protein 1 [Source:Jamboree;Acc:XB-GENE-493040]	0.3675	0.0000
ENSXETG00000007569	HAPLN3	hyaluronan and proteoglycan link protein 3 [Source:Jamboree;Acc:XB-GENE-5867355]	0.2726	0.0000
ENSXETG00000002665	HARS2	histidyl-tRNA synthetase 2, mitochondrial (putative) [Source:Jamboree;Acc:XB-GENE-5941573]	0.7407	0.0004
ENSXETG00000016377	HAS3	hyaluronan synthase 3 [Source:Jamboree;Acc:XB-GENE-987830]	0.3687	0.0024
ENSXETG00000021500	HAUS1	HAUS augmin-like complex, subunit 1 [Source:Jamboree;Acc:XB-GENE-962939]	0.3199	0.0000
ENSXETG00000022630	HAUS4	HAUS augmin-like complex, subunit 4 [Source:Jamboree;Acc:XB-GENE-995661]	0.4995	0.0000
ENSXETG00000024486	HAUS6	HAUS augmin-like complex, subunit 6 [Source:Jamboree;Acc:XB-GENE-987220]	0.2103	0.0000
ENSXETG00000018379	HAUS7	HAUS augmin-like complex, subunit 7 [Source:Jamboree;Acc:XB-GENE-5773864]	0.6170	0.0000
ENSXETG00000024626	HBD	hemoglobin, delta [Source:Jamboree;Acc:XB-GENE-5844531]	0.3834	0.0000
ENSXETG00000005253	HDAC1	histone deacetylase 1 [Source:Jamboree;Acc:XB-GENE-479583]	0.7608	0.0042
ENSXETG00000010661	HDAC7	histone deacetylase 7 [Source:Jamboree;Acc:XB-GENE-488662]	0.6861	0.0001
ENSXETG00000020527	HDAC8	histone deacetylase 8 [Source:Jamboree;Acc:XB-GENE-5863426]	0.7353	0.0179
ENSXETG00000019831	HDC	histidine decarboxylase [Source:Jamboree;Acc:XB-GENE-979207]	0.3636	0.0000
ENSXETG00000009013	HEATR1	HEAT repeat containing 1 [Source:Jamboree;Acc:XB-GENE-951479]	0.6960	0.0104
ENSXETG00000000784	HEBP2	heme binding protein 2 [Source:Jamboree;Acc:XB-GENE-489461]	0.7798	0.0111
ENSXETG00000011668	HECA	headcase homolog [Source:Jamboree;Acc:XB-GENE-492753]	0.7536	0.0023
ENSXETG00000007323	HELB	helicase (DNA) B [Source:Jamboree;Acc:XB-GENE-6258166]	0.6476	0.0001
ENSXETG00000008830	HELLS	helicase, lymphoid-specific [Source:Jamboree;Acc:XB-GENE-5883772]	0.5751	0.0000
ENSXETG00000001831	HELQ	helicase, POLQ-like [Source:Jamboree;Acc:XB-GENE-993428]	0.6097	0.0000
ENSXETG00000001163	HES2	hairy and enhancer of split 2 [Source:Jamboree;Acc:XB-GENE-486138]	0.1500	0.0154
ENSXETG00000011110	HES3.3	hairy and enhancer of split 3, gene 3 [Source:Jamboree;Acc:XB-GENE-480450]	0.1632	0.0000
ENSXETG00000001769	HES4	hairy and enhancer of split 4 [Source:Jamboree;Acc:XB-GENE-487830]	0.7205	0.0008
ENSXETG00000012081	HES5.1	hairy and enhancer of split 5, gene 1 [Source:Jamboree;Acc:XB-GENE-481135]	0.2356	0.0000
ENSXETG00000012080	HES5.2	hairy and enhancer of split 5, gene 2 [Source:Jamboree;Acc:XB-GENE-876635]	0.4174	0.0000
ENSXETG00000005911	HES6.1	hairy and enhancer of split 6, gene 1 [Source:Jamboree;Acc:XB-GENE-1018104]	0.7746	0.0040
ENSXETG00000009079	HES7.1	hairy and enhancer of split 7, gene 1 [Source:Jamboree;Acc:XB-GENE-876465]	0.0453	0.0002
ENSXETG00000022245	HES9.1	hairy and enhancer of split 9, gene 1 [Source:Jamboree;Acc:XB-GENE-5922592]	0.2026	0.0000
ENSXETG00000017616	HHIP	hedgehog interacting protein [Source:Jamboree;Acc:XB-GENE-487499]	0.4692	0.0000
ENSXETG00000022419	HIC2	hypermethylated in cancer 2 [Source:Jamboree;Acc:XB-GENE-960044]	0.8249	0.0262
ENSXETG00000027927	HIST2H3D	histone cluster 2, H3d [Source:Jamboree;Acc:XB-GENE-5889771]	0.7734	0.0454
ENSXETG00000008520	HKDC1	hexokinase domain containing 1 [Source:Jamboree;Acc:XB-GENE-1002857]	0.4680	0.0098
ENSXETG00000016916	HMGB2	high mobility group box 2 [Source:Jamboree;Acc:XB-GENE-1000246]	0.3557	0.0000
ENSXETG00000025097	HMGN1	high mobility group nucleosome binding domain 1 [Source:Jamboree;Acc:XB-GENE-5782073]	0.7134	0.0003
ENSXETG00000012323	HMGN2	high mobility group nucleosomal binding domain 2 [Source:Jamboree;Acc:XB-GENE-1015271]	0.6081	0.0000
ENSXETG00000025850	HMGN3	high mobility group nucleosomal binding domain 3 [Source:Jamboree;Acc:XB-GENE-482143]	0.6170	0.0000
ENSXETG00000003287	HMHA1	histocompatibility (minor) HA-1 [Source:Jamboree;Acc:XB-GENE-990078]	0.6355	0.0001
ENSXETG00000007906	HMMR	hyaluronan-mediated motility receptor (RHAMM) [Source:Jamboree;Acc:XB-GENE-5851601]	0.0764	0.0000
ENSXETG00000003833	HNRNPA0	heterogeneous nuclear ribonucleoprotein A0 [Source:Jamboree;Acc:XB-GENE-1000573]	0.7572	0.0017
ENSXETG00000021277	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1 [Source:Jamboree;Acc:XB-GENE-493963]	0.8145	0.0089
ENSXETG00000012170	HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1 [Source:Jamboree;Acc:XB-GENE-490993]	0.8136	0.0106
ENSXETG00000023567	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9) [Source:Jamboree;Acc:XB-GENE-876768]	0.7212	0.0001
ENSXETG00000001777	HNRNPM	heterogeneous nuclear ribonucleoprotein M [Source:Jamboree;Acc:XB-GENE-993962]	0.8376	0.0367
ENSXETG00000004765	HOOK2	hook homolog 2 [Source:Jamboree;Acc:XB-GENE-991660]	0.7904	0.0119
ENSXETG00000000716	HOXA2	homeobox A2 [Source:Jamboree;Acc:XB-GENE-488087]	0.4382	0.0017
ENSXETG00000000717	HOXA3	homeobox A3 [Source:Jamboree;Acc:XB-GENE-482267]	0.3907	0.0000
ENSXETG00000027353	HOXB2	homeobox B2 [Source:Jamboree;Acc:XB-GENE-478525]	0.4005	0.0030
ENSXETG00000001800	HOXD3	homeobox D3 [Source:Jamboree;Acc:XB-GENE-478462]	0.2226	0.0000
ENSXETG00000009487	HP1BP3	heterochromatin protein 1, binding protein 3 [Source:Jamboree;Acc:XB-GENE-997427]	0.7699	0.0030
ENSXETG00000003766	HPD	4-hydroxyphenylpyruvate dioxygenase [Source:Jamboree;Acc:XB-GENE-955609]	0.7914	0.0060
ENSXETG00000019215	HPGDS	hematopoietic prostaglandin D synthase [Source:Jamboree;Acc:XB-GENE-944778]	0.3394	0.0000
ENSXETG00000019581	HS3ST3A1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1 [Source:Jamboree;Acc:XB-GENE-989270]	0.7385	0.0028
ENSXETG00000007214	HS3ST6	heparan sulfate (glucosamine) 3-O-sulfotransferase 6 [Source:Jamboree;Acc:XB-GENE-966707]	0.4031	0.0000
ENSXETG00000016838	HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) [Source:Jamboree;Acc:XB-GENE-480060]	0.8326	0.0348
ENSXETG00000008404	HSPA9	heat shock 70kDa protein 9 (mortalin) [Source:Jamboree;Acc:XB-GENE-960228]	0.6969	0.0000
ENSXETG00000012023	HSPBAP1	HSPB (heat shock 27kDa) associated protein 1 [Source:Jamboree;Acc:XB-GENE-997370]	0.6564	0.0247
ENSXETG00000015679	HUS1	HUS1 checkpoint homolog [Source:Jamboree;Acc:XB-GENE-983295]	0.6873	0.0295
ENSXETG00000007330	HYAL2	hyaluronoglucosaminidase 2 [Source:Jamboree;Acc:XB-GENE-5799791]	0.4752	0.0000
ENSXETG00000027622	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial [Source:Jamboree;Acc:XB-GENE-976315]	0.7242	0.0001
ENSXETG00000007325	IFRD2	interferon-related developmental regulator 2 [Source:Jamboree;Acc:XB-GENE-1003246]	0.7254	0.0015
ENSXETG00000007396	IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-483018]	0.1868	0.0000
ENSXETG00000014721	IGFBPL1	insulin-like growth factor binding protein-like 1 [Source:Jamboree;Acc:XB-GENE-484137]	0.7053	0.0000
ENSXETG00000004981	IL1R2	interleukin 1 receptor, type 2 [Source:Jamboree;Acc:XB-GENE-481459]	0.5221	0.0330
ENSXETG00000014290	ILF2	interleukin enhancer binding factor 2, 45kDa [Source:Jamboree;Acc:XB-GENE-876477]	0.7657	0.0024
ENSXETG00000011651	ILF3	interleukin enhancer binding factor 3, 90kDa [Source:Jamboree;Acc:XB-GENE-494367]	0.8111	0.0107
ENSXETG00000016795	IMP4	IMP4, U3 small nucleolar ribonucleoprotein, homolog [Source:Jamboree;Acc:XB-GENE-6040852]	0.5318	0.0001
ENSXETG00000009343	IMPDH2	IMP (inosine 5'-monophosphate) dehydrogenase 2 [Source:Jamboree;Acc:XB-GENE-478728]	0.6255	0.0000
ENSXETG00000006735	INCENP	inner centromere protein antigens 135/155kDa [Source:Jamboree;Acc:XB-GENE-990398]	0.1654	0.0000
ENSXETG00000009686	INSM1	insulinoma-associated 1 [Source:Jamboree;Acc:XB-GENE-993149]	0.7264	0.0002
ENSXETG00000005479	INTS5	integrator complex subunit 5 [Source:Jamboree;Acc:XB-GENE-6040594]	0.8141	0.0466
ENSXETG00000022533	INTU	inturned planar cell polarity effector homolog [Source:Jamboree;Acc:XB-GENE-919872]	0.6605	0.0010
ENSXETG00000009324	IP6K2	inositol hexaphosphate kinase 2 [Source:Jamboree;Acc:XB-GENE-971466]	0.8247	0.0279
ENSXETG00000023496	IPO5	importin 5 [Source:Jamboree;Acc:XB-GENE-491443]	0.8054	0.0134
ENSXETG00000024201	IPO7	importin 7 [Source:Jamboree;Acc:XB-GENE-919773]	0.6812	0.0000
ENSXETG00000007974	IPO9	importin 9 [Source:Jamboree;Acc:XB-GENE-5960761]	0.6799	0.0000
ENSXETG00000020384	IQGAP3	IQ motif containing GTPase activating protein 3 [Source:Jamboree;Acc:XB-GENE-493015]	0.2661	0.0000

ENSXETG00000016586	IRF1	interferon regulatory factor 1 [Source:Jamboree;Acc:XB-GENE-942994]	0.4129	0.0000
ENSXETG00000006958	IRX1	iroquois homeobox 1 [Source:Jamboree;Acc:XB-GENE-486817]	0.7035	0.0002
ENSXETG00000012653	IRX2	iroquois homeobox 2 [Source:Jamboree;Acc:XB-GENE-480618]	0.7872	0.0135
ENSXETG00000005818	IRX3	iroquois homeobox 3 [Source:Jamboree;Acc:XB-GENE-480486]	0.5541	0.0000
ENSXETG00000008892	IRX4	iroquois homeobox 4 [Source:Jamboree;Acc:XB-GENE-480570]	0.7047	0.0433
ENSXETG00000002816	IRX5	iroquois homeobox 5 [Source:Jamboree;Acc:XB-GENE-484376]	0.6385	0.0000
ENSXETG00000008081	ISM1	isthmin 1 homolog [Source:Jamboree;Acc:XB-GENE-963585]	0.6603	0.0051
ENSXETG00000014072	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) [Source:Jamboree;Acc:XB-GENE-960093]	0.4824	0.0019
ENSXETG00000007527	ITGA6	integrin, alpha 6 [Source:Jamboree;Acc:XB-GENE-489982]	0.6042	0.0000
ENSXETG00000002340	JAG1	jagged 1 [Source:Jamboree;Acc:XB-GENE-485662]	0.6187	0.0000
ENSXETG00000013609	JAM2	junctional adhesion molecule 2 [Source:Jamboree;Acc:XB-GENE-493973]	0.5646	0.0000
ENSXETG00000015433	JARID2	jumonji, AT rich interactive domain 2 [Source:Jamboree;Acc:XB-GENE-982166]	0.7472	0.0089
ENSXETG00000000049	JMJD7	jumonji domain containing 7 [Source:Jamboree;Acc:XB-GENE-1000701]	0.7081	0.0036
ENSXETG00000012120	JMJD8	jumonji domain containing 8 [Source:Jamboree;Acc:XB-GENE-6070939]	0.7315	0.0497
ENSXETG00000003569	KARS	lysyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-943468]	0.5636	0.0000
ENSXETG00000021908	KAT7	K(lysine) acetyltransferase 7 [Source:Jamboree;Acc:XB-GENE-488776]	0.7744	0.0021
ENSXETG00000009961	KCNK5	potassium channel, subfamily K, member 5 [Source:Jamboree;Acc:XB-GENE-979847]	0.4972	0.0000
ENSXETG00000019965	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1 [Source:Jamboree;Acc:XB-GENE-5921462]	0.4841	0.0212
ENSXETG00000014993	KCP	kielin/chordin-like protein [Source:Jamboree;Acc:XB-GENE-486713]	0.7674	0.0017
ENSXETG00000018588	KCTD10	potassium channel tetramerisation domain containing 10 [Source:Jamboree;Acc:XB-GENE-970871]	0.6852	0.0004
ENSXETG00000016868	KCTD15	potassium channel tetramerisation domain containing 15 [Source:Jamboree;Acc:XB-GENE-944069]	0.7506	0.0123
ENSXETG00000016053	KCTD17	potassium channel tetramerisation domain containing 17 [Source:Jamboree;Acc:XB-GENE-6035411]	0.5774	0.0000
ENSXETG00000003698	KDM1A	lysine (K)-specific demethylase 1A [Source:Jamboree;Acc:XB-GENE-5816927]	0.7839	0.0112
ENSXETG00000017975	KDM3A	lysine (K)-specific demethylase 3A [Source:Jamboree;Acc:XB-GENE-1012801]	0.6629	0.0000
ENSXETG00000007973	KDM5B	lysine (K)-specific demethylase 5B [Source:Jamboree;Acc:XB-GENE-856240]	0.7706	0.0014
ENSXETG00000007178	KDM5C	lysine (K)-specific demethylase 5C [Source:Jamboree;Acc:XB-GENE-1033025]	0.8462	0.0498
ENSXETG00000005246	KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1 [Source:Jamboree;Acc:XB-GENE-479347]	0.8142	0.0108
ENSXETG00000021862	KHSRP	KH-type splicing regulatory protein [Source:Jamboree;Acc:XB-GENE-493317]	0.8124	0.0226
ENSXETG00000011707	KIAA0020	KIAA0020 [Source:Jamboree;Acc:XB-GENE-1001484]	0.6000	0.0000
ENSXETG00000027460	KIAA0101	KIAA0101 [Source:Jamboree;Acc:XB-GENE-1006964]	0.2404	0.0000
ENSXETG00000004847	KIAA0146	KIAA0146 [Source:Jamboree;Acc:XB-GENE-5813435]	0.5337	0.0002
ENSXETG00000004468	KIAA0182	KIAA0182 [Source:Jamboree;Acc:XB-GENE-5880740]	0.8052	0.0233
ENSXETG00000001833	KIAA0922	KIAA0922 [Source:Jamboree;Acc:XB-GENE-983404]	0.7689	0.0025
ENSXETG00000016139	KIAA1524	KIAA1524 [Source:Jamboree;Acc:XB-GENE-5926363]	0.2849	0.0000
ENSXETG00000015484	KIAA1797	KIAA1797 [Source:Jamboree;Acc:XB-GENE-6038577]	0.6503	0.0000
ENSXETG00000012213	KIF11	kinesin family member 11 [Source:Jamboree;Acc:XB-GENE-978999]	0.1222	0.0000
ENSXETG00000008497	KIF15	kinesin family member 15 [Source:Jamboree;Acc:XB-GENE-1005654]	0.1889	0.0000
ENSXETG00000004282	KIF18A	kinesin family member 18A [Source:Jamboree;Acc:XB-GENE-990470]	0.2967	0.0000
ENSXETG00000006721	KIF20A	kinesin family member 20A [Source:Jamboree;Acc:XB-GENE-967269]	0.0956	0.0000
ENSXETG00000004673	KIF22	kinesin family member 22 [Source:Jamboree;Acc:XB-GENE-979888]	0.1703	0.0000
ENSXETG00000007829	KIF23	kinesin family member 23 [Source:Jamboree;Acc:XB-GENE-999865]	0.1085	0.0000
ENSXETG00000023080	KIF26A	kinesin family member 26A [Source:Jamboree;Acc:XB-GENE-6051360]	0.7940	0.0189
ENSXETG00000013598	KIF2C	kinesin family member 2C [Source:Jamboree;Acc:XB-GENE-961445]	0.2128	0.0000
ENSXETG00000005552	KIF4A	kinesin family member 4A [Source:Jamboree;Acc:XB-GENE-5932310]	0.6136	0.0000
ENSXETG00000017738	KIF7	kinesin family member 7 [Source:Jamboree;Acc:XB-GENE-6034962]	0.6728	0.0007
ENSXETG00000001252	KIRREL2	kin of IRRE like 2 [Source:Jamboree;Acc:XB-GENE-854070]	0.6198	0.0001
ENSXETG00000004120	KLF10	Kruppel-like factor 10 [Source:Jamboree;Acc:XB-GENE-854761]	0.8283	0.0295
ENSXETG00000000992	KLF15.2	Kruppel-like factor 15, gene 2 [Source:Jamboree;Acc:XB-GENE-1018580]	0.5867	0.0402
ENSXETG00000007622	KLHL25	kelch-like 25 [Source:Jamboree;Acc:XB-GENE-964636]	0.5621	0.0001
ENSXETG00000007799	KNTC1	kinetochore associated 1 [Source:Jamboree;Acc:XB-GENE-1011946]	0.1301	0.0000
ENSXETG00000001594	KPNA2	karyopherin alpha-2 subunit like [Source:Jamboree;Acc:XB-GENE-979796]	0.3618	0.0000
ENSXETG00000014717	KPNB1	karyopherin (importin) beta 1 [Source:Jamboree;Acc:XB-GENE-994068]	0.7982	0.0108
ENSXETG00000025345	KRT12	keratin family [Source:RefSeq peptide;Acc:NP_001016659]	0.1208	0.0473
ENSXETG00000012482	KRT17	keratin 17 [Source:Jamboree;Acc:XB-GENE-490369]	0.5959	0.0009
ENSXETG00000020417	KRT5.7	keratin 5, gene 7 [Source:Jamboree;Acc:XB-GENE-876869]	0.6289	0.0004
ENSXETG00000020454	KRT8	keratin 8 [Source:Jamboree;Acc:XB-GENE-876929]	0.6309	0.0000
ENSXETG00000024834	KTI12	KTI12 homolog, chromatin associated [Source:Jamboree;Acc:XB-GENE-5813863]	0.7031	0.0083
ENSXETG00000004956	LAMA1	laminin, alpha 1 [Source:Jamboree;Acc:XB-GENE-968308]	0.4105	0.0000
ENSXETG00000012279	LAMB1	laminin, beta 1 [Source:Jamboree;Acc:XB-GENE-1011014]	0.4953	0.0000
ENSXETG00000012525	LAMC1	laminin, gamma 1 [Source:Jamboree;Acc:XB-GENE-478553]	0.6054	0.0000
ENSXETG00000024097	LARP7	La ribonucleoprotein domain family, member 7 [Source:Jamboree;Acc:XB-GENE-984850]	0.6644	0.0012
ENSXETG00000009599	LATS2	LATS, large tumor suppressor, homolog 2 [Source:Jamboree;Acc:XB-GENE-994907]	0.7002	0.0056
ENSXETG00000007948	LBH	limb bud and heart development homolog [Source:Jamboree;Acc:XB-GENE-5945476]	0.7357	0.0003
ENSXETG00000018551	LBR	lamin B receptor [Source:Jamboree;Acc:XB-GENE-979300]	0.3183	0.0000
ENSXETG00000025995	LCOR	ligand dependent nuclear receptor corepressor isoform 1 [Source:RefSeq peptide;Acc:NP_001182625]	0.6423	0.0000
ENSXETG00000003693	LDLRAP1	low density lipoprotein receptor adaptor protein 1 [Source:Jamboree;Acc:XB-GENE-954261]	0.5771	0.0072
ENSXETG00000027476	LENG9	leukocyte receptor cluster (LRC) member 9 [Source:Jamboree;Acc:XB-GENE-961718]	0.8125	0.0378
ENSXETG00000021768	LFNG	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Source:Jamboree;Acc:XB-GENE-487975]	0.3715	0.0033
ENSXETG00000016034	LHFP	lipoma HMGIC fusion partner [Source:Jamboree;Acc:XB-GENE-944757]	0.7497	0.0086
ENSXETG00000000546	LHFPL2	lipoma HMGIC fusion partner-like 2 [Source:Jamboree;Acc:XB-GENE-958342]	0.5098	0.0000
ENSXETG00000008963	LHX1	LIM homeobox 1 [Source:Jamboree;Acc:XB-GENE-482482]	0.7168	0.0001
ENSXETG00000017665	LHX5	LIM homeobox 5 [Source:Jamboree;Acc:XB-GENE-490400]	0.6679	0.0000
ENSXETG00000013293	LIN28B	lin-28 homolog B [Source:Jamboree;Acc:XB-GENE-1218969]	0.2765	0.0096
ENSXETG00000017560	LIN37	lin-37 homolog [Source:Jamboree;Acc:XB-GENE-994770]	0.6394	0.0040
ENSXETG00000000369	LIN54	lin-54 homolog [Source:Jamboree;Acc:XB-GENE-5752559]	0.7947	0.0197
ENSXETG00000024896	LITAF	lipopolysaccharide-induced TNF factor [Source:Jamboree;Acc:XB-GENE-1017030]	0.5862	0.0003
ENSXETG00000014034	LIX1L	Lix1 homolog-like [Source:Jamboree;Acc:XB-GENE-6040737]	0.7981	0.0130
ENSXETG00000013512	LMBR1	limb region 1 homolog [Source:Jamboree;Acc:XB-GENE-981846]	0.7563	0.0032
ENSXETG00000005162	LMNB1	lamin B1 [Source:Jamboree;Acc:XB-GENE-489658]	0.3520	0.0000
ENSXETG00000001795	LMNB2	lamin B2 [Source:Jamboree;Acc:XB-GENE-490443]	0.7282	0.0030
ENSXETG00000015792	LMNB3	lamin B3 [Source:Jamboree;Acc:XB-GENE-920613]	0.7911	0.0083
ENSXETG00000007976	LMOD1	leiomodin 1 (smooth muscle) [Source:Jamboree;Acc:XB-GENE-979212]	0.4462	0.0000
ENSXETG00000016168	LMOD3	leiomodin 3 (fetal) [Source:Jamboree;Acc:XB-GENE-5737414]	0.5925	0.0000
ENSXETG00000013183	LMX1A	LIM homeobox transcription factor 1, alpha [Source:Jamboree;Acc:XB-GENE-481569]	0.4422	0.0000
ENSXETG00000000742	LMX1B.1	LIM homeobox transcription factor 1, beta, gene 1 [Source:Jamboree;Acc:XB-GENE-494750]	0.5821	0.0001
ENSXETG00000000641	LMX1B.2	LIM homeobox transcription factor 1, beta, gene 2 [Source:Jamboree;Acc:XB-GENE-920041]	0.5334	0.0002
ENSXETG00000021888	LONP1	lon peptidase 1, mitochondrial [Source:Jamboree;Acc:XB-GENE-1013275]	0.7091	0.0021
ENSXETG00000018445	LPAR4	lysophosphatidic acid receptor 4 [Source:Jamboree;Acc:XB-GENE-989373]	0.6515	0.0029
ENSXETG00000021481	LRIG3	leucine-rich repeats and immunoglobulin-like domains 3 [Source:Jamboree;Acc:XB-GENE-1219309]	0.4835	0.0012
ENSXETG00000024115	LRIT3	leucine-rich repeat, immunoglobulin-like and transmembrane domains 3 [Source:Jamboree;Acc:XB-GENE-6076513]	0.1865	0.0000
ENSXETG00000016214	LRP2	low density lipoprotein receptor-related protein 2 [Source:Jamboree;Acc:XB-GENE-486052]	0.6016	0.0001
ENSXETG00000010024	LRP5	low density lipoprotein receptor-related protein 5 [Source:Jamboree;Acc:XB-GENE-485117]	0.4145	0.0000
ENSXETG00000009119	LRR1	leucine rich repeat protein 1 [Source:Jamboree;Acc:XB-GENE-1006187]	0.5734	0.0102
ENSXETG00000006576	LRRC32.2	leucine rich repeat containing 32, gene 2 [Source:Jamboree;Acc:XB-GENE-6461207]	0.6192	0.0231
ENSXETG00000018013	LRRC58	leucine rich repeat containing 58 [Source:Jamboree;Acc:XB-GENE-963289]	0.8006	0.0474
ENSXETG00000013785	LRRCC1	leucine rich repeat and coiled-coil domain containing 1 [Source:Jamboree;Acc:XB-GENE-992687]	0.4907	0.0000
ENSXETG00000015544	LRRK2	leucine-rich repeat kinase 2 [Source:Jamboree;Acc:XB-GENE-5768572]	0.6009	0.0001
ENSXETG00000005147	LRRN1	leucine rich repeat neuronal 1 [Source:Jamboree;Acc:XB-GENE-492890]	0.7560	0.0015
ENSXETG00000006020	LRRN4CL	LRRN4 C-terminal like [Source:Jamboree;Acc:XB-GENE-5723339]	0.7559	0.0041
ENSXETG00000027631	LSM10	LSM10, U7 small nuclear RNA associated [Source:Jamboree;Acc:XB-GENE-970421]	0.7987	0.0083
ENSXETG00000011534	LSM3	LSM3 homolog, U6 small nuclear RNA associated [Source:Jamboree;Acc:XB-GENE-991265]	0.6136	0.0002
ENSXETG00000008233	LSR	lipolysis stimulated lipoprotein receptor [Source:Jamboree;Acc:XB-GENE-5720897]	0.4353	0.0030
ENSXETG00000019349	LTBP1	latent transforming growth factor beta binding protein 1 [Source:Jamboree;Acc:XB-GENE-488058]	0.7429	0.0135
ENSXETG00000016967	LTBP4	latent transforming growth factor beta binding protein 4 [Source:Jamboree;Acc:XB-GENE-992148]	0.2758	0.0000
ENSXETG00000000229	LUC7L2	LUC7-like 2 [Source:Jamboree;Acc:XB-GENE-876728]	0.8281	0.0274
ENSXETG00000008101	LYPLA1	lysophospholipase I [Source:Jamboree;Acc:XB-GENE-942736]	0.6824	0.0002

ENSXETG00000015201	LZTS2	leucine zipper, putative tumor suppressor 2 [Source:Jamboree;Acc:XB-GENE-1216151]	0.5837	0.0008
ENSXETG00000022997	MAD1L1	MAD1 mitotic arrest deficient-like 1 [Source:Jamboree;Acc:XB-GENE-6258053]	0.7822	0.0394
ENSXETG00000002100	MAD2L1	MAD2 mitotic arrest deficient-like 1 [Source:Jamboree;Acc:XB-GENE-947153]	0.1110	0.0000
ENSXETG00000016495	MAK16	MAK16 homolog [Source:Jamboree;Acc:XB-GENE-5928119]	0.7484	0.0104
ENSXETG00000007075	MAML2	mastermind-like 2 [Source:Jamboree;Acc:XB-GENE-987036]	0.6405	0.0130
ENSXETG00000009127	MAP4K5	mitogen-activated protein kinase kinase kinase kinase 5 [Source:RefSeq peptide;Acc:NP_001135521]	0.6847	0.0009
ENSXETG00000023673	MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2 [Source:Jamboree;Acc:XB-GENE-5896875]	0.7482	0.0181
ENSXETG00000025174	MARS	methionyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5952509]	0.5029	0.0240
ENSXETG00000019757	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) [Source:Jamboree;Acc:XB-GENE-984453]	0.4813	0.0000
ENSXETG00000018741	MASTL	microtubule associated serine/threonine kinase-like [Source:Jamboree;Acc:XB-GENE-964548]	0.4026	0.0008
ENSXETG00000001263	MAT2A	methionine adenosyltransferase II, alpha [Source:Jamboree;Acc:XB-GENE-981938]	0.7847	0.0109
ENSXETG00000013593	MBD3	methyl-CpG binding domain protein 3 [Source:Jamboree;Acc:XB-GENE-491553]	0.7902	0.0132
ENSXETG00000002911	MBIP	MAP3K12 binding inhibitory protein 1 [Source:Jamboree;Acc:XB-GENE-478230]	0.7499	0.0082
ENSXETG00000009113	MCM10	minichromosome maintenance complex component 10 [Source:Jamboree;Acc:XB-GENE-1015391]	0.4482	0.0000
ENSXETG00000004854	MCM4	minichromosome maintenance complex component 4 [Source:Jamboree;Acc:XB-GENE-1011481]	0.1750	0.0000
ENSXETG00000014891	MCM6.2	minichromosome maintenance complex component 6 [Source:Jamboree;Acc:XB-GENE-962678]	0.3369	0.0000
ENSXETG00000012868	MCM9	minichromosome maintenance complex component 9 [Source:Jamboree;Acc:XB-GENE-949288]	0.3750	0.0000
ENSXETG00000010237	MCMBP	minichromosome maintenance complex binding protein [Source:Jamboree;Acc:XB-GENE-5897999]	0.6026	0.0000
ENSXETG00000015950	MCPH1	microcephalin 1 [Source:Jamboree;Acc:XB-GENE-487210]	0.3657	0.0000
ENSXETG00000001967	MDK	midkine (neurite growth-promoting factor 2) [Source:Jamboree;Acc:XB-GENE-488502]	0.6246	0.0000
ENSXETG00000000035	MDM4	Mdm4 p53 binding protein homolog [Source:Jamboree;Acc:XB-GENE-946791]	0.7269	0.0003
ENSXETG00000022839	MECOM	MDS1 and EVI1 complex locus [Source:Jamboree;Acc:XB-GENE-980195]	0.4219	0.0000
ENSXETG00000011847	MED20	mediator complex subunit 20 [Source:Jamboree;Acc:XB-GENE-5950042]	0.7250	0.0432
ENSXETG00000011473	MEIS1	Meis homeobox 1 [Source:Jamboree;Acc:XB-GENE-479439]	0.8003	0.0271
ENSXETG00000002807	MEIS3	Meis homeobox 3 [Source:Jamboree;Acc:XB-GENE-485337]	0.5207	0.0000
ENSXETG00000006551	MELK	maternal embryonic leucine zipper kinase [Source:Jamboree;Acc:XB-GENE-987654]	0.1675	0.0000
ENSXETG00000008433	MEN1	multiple endocrine neoplasia I [Source:Jamboree;Acc:XB-GENE-920855]	0.7368	0.0006
ENSXETG00000012980	MESDC2	mesoderm development candidate 2 [Source:Jamboree;Acc:XB-GENE-940834]	0.7855	0.0470
ENSXETG00000009655	METTL1	methyltransferase like 1 [Source:Jamboree;Acc:XB-GENE-1000662]	0.6801	0.0091
ENSXETG00000004037	METTL14	methyltransferase like 14 [Source:Jamboree;Acc:XB-GENE-5813560]	0.7091	0.0010
ENSXETG00000019432	METTL16	methyltransferase like 16 [Source:Jamboree;Acc:XB-GENE-952802]	0.7040	0.0014
ENSXETG00000012806	METTL18	methyltransferase like 18 [Source:Jamboree;Acc:XB-GENE-5811219]	0.4511	0.0001
ENSXETG00000009654	METTL21B	methyltransferase like 21B [Source:Jamboree;Acc:XB-GENE-5830044]	0.5278	0.0023
ENSXETG00000018894	METTL5	methyltransferase like 5 [Source:Jamboree;Acc:XB-GENE-985451]	0.7677	0.0031
ENSXETG00000021602	MFRP	membrane frizzled-related protein [Source:Jamboree;Acc:XB-GENE-482030]	0.2873	0.0084
ENSXETG00000008016	MFSD10	major facilitator superfamily domain containing 10 [Source:Jamboree;Acc:XB-GENE-958779]	0.4686	0.0000
ENSXETG00000000396	MGC108470	MGC108470 protein precursor [Source:RefSeq peptide;Acc:NP_001015804]	0.3184	0.0043
ENSXETG00000013536	MGC147419	uncharacterized protein LOC780218 [Source:RefSeq peptide;Acc:NP_001072761]	0.5924	0.0000
ENSXETG00000025209	MGMT	O-6-methylguanine-DNA methyltransferase [Source:Jamboree;Acc:XB-GENE-941688]	0.3970	0.0000
ENSXETG00000025213	MGP	matrix Gla protein [Source:Jamboree;Acc:XB-GENE-1003218]	0.0846	0.0000
ENSXETG00000018105	MICALL2	MICAL-like 2 [Source:Jamboree;Acc:XB-GENE-979747]	0.5862	0.0000
ENSXETG00000015715	MID1	midline 1 (Opitz/BBB syndrome) [Source:Jamboree;Acc:XB-GENE-494584]	0.7237	0.0160
ENSXETG00000003282	MIDN	midnolin [Source:Jamboree;Acc:XB-GENE-1005232]	0.6661	0.0000
ENSXETG00000012401	MIER1	mesoderm induction early response 1 [Source:Jamboree;Acc:XB-GENE-974218]	0.7821	0.0499
ENSXETG00000002045	MINA	MYC induced nuclear antigen [Source:Jamboree;Acc:XB-GENE-982790]	0.3391	0.0004
ENSXETG00000019706	MIS18BP1	MIS18 binding protein 1 [Source:Jamboree;Acc:XB-GENE-6468517]	0.3951	0.0000
ENSXETG00000000839	MKI67IP	MKI67 (FHA domain) interacting nucleolar phosphoprotein [Source:Jamboree;Acc:XB-GENE-940532]	0.6831	0.0008
ENSXETG00000007391	MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 10 [Source:Jamboree;Acc:XB-GENE-6408100]	0.7382	0.0009
ENSXETG00000022190	MMP13	matrix metallopeptidase 13 (collagenase 3) [Source:Jamboree;Acc:XB-GENE-6540414]	0.6851	0.0024
ENSXETG00000008703	MMP9	matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) [Source:Jamboree;Acc:XB-GENE-876295]	0.0990	0.0000
ENSXETG00000000796	MMS22L	MMS22-like, DNA repair protein [Source:Jamboree;Acc:XB-GENE-5932293]	0.6174	0.0127
ENSXETG00000001836	MND1	meiotic nuclear divisions 1 homolog [Source:Jamboree;Acc:XB-GENE-950994]	0.1704	0.0000
ENSXETG00000012095	MOBKL1B	MOB1, Mps One Binder kinase activator-like 1B [Source:Jamboree;Acc:XB-GENE-950160]	0.7077	0.0006
ENSXETG00000013664	MOBKL2A	MOB1, Mps One Binder kinase activator-like 2A [Source:Jamboree;Acc:XB-GENE-494152]	0.7047	0.0060
ENSXETG00000009377	MOBKL2B	MOB1, Mps One Binder kinase activator-like 2B [Source:Jamboree;Acc:XB-GENE-1011429]	0.6077	0.0213
ENSXETG00000024648	MOCS3	molybdenum cofactor synthesis 3 [Source:Jamboree;Acc:XB-GENE-5804173]	0.7390	0.0089
ENSXETG00000014152	MOSC1	MOCO sulphurase C-terminal domain containing 1 [Source:Jamboree;Acc:XB-GENE-5823411]	0.5958	0.0006
ENSXETG00000022273	MOV10L1	Mov10l1, Moloney leukemia virus 10-like 1, homolog [Source:Jamboree;Acc:XB-GENE-1217451]	0.2236	0.0019
ENSXETG00000016497	MPHOSPH10	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein) [Source:Jamboree;Acc:XB-GENE-940335]	0.7996	0.0212
ENSXETG00000018317	MPV17L2	MPV17 mitochondrial membrane protein-like 2 [Source:Jamboree;Acc:XB-GENE-1002324]	0.7036	0.0019
ENSXETG00000005331	MRC2	mannose receptor, C type 2 [Source:Jamboree;Acc:XB-GENE-486996]	0.6108	0.0000
ENSXETG00000027422	MRPL27	mitochondrial ribosomal protein L27 [Source:Jamboree;Acc:XB-GENE-993418]	0.7192	0.0227
ENSXETG00000027254	MRPL53	mitochondrial ribosomal protein L53 [Source:Jamboree;Acc:XB-GENE-944653]	0.7508	0.0146
ENSXETG00000027052	MRPS10	mitochondrial ribosomal protein S10 [Source:Jamboree;Acc:XB-GENE-6070079]	0.7792	0.0497
ENSXETG00000001312	MRPS35	mitochondrial ribosomal protein S35 [Source:Jamboree;Acc:XB-GENE-1017075]	0.7018	0.0006
ENSXETG00000020828	MRTO4	mRNA turnover 4 homolog [Source:Jamboree;Acc:XB-GENE-948010]	0.7118	0.0079
ENSXETG00000012216	MSI1	musashi homolog 1 [Source:Jamboree;Acc:XB-GENE-490596]	0.5030	0.0000
ENSXETG00000009770	MSN	moesin [Source:Jamboree;Acc:XB-GENE-1004600]	0.7004	0.0002
ENSXETG00000005916	MSRB2	methionine sulfoxide reductase B2 [Source:Jamboree;Acc:XB-GENE-5732572]	0.7829	0.0283
ENSXETG00000003129	MTBP	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein binding protein, 104kDa [Source:Jamboree;Acc:XB-GENE-990920]	0.6685	0.0189
ENSXETG00000022511	MTHFD1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase [Source:Jamboree;Acc:XB-GENE-992132]	0.4576	0.0016
ENSXETG00000012094	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:Jamboree;Acc:XB-GENE-941965]	0.3530	0.0000
ENSXETG00000006377	MTHFD2L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2-like [Source:Jamboree;Acc:XB-GENE-6076442]	0.4398	0.0107
ENSXETG00000003563	MTHFSD	methenyltetrahydrofolate synthetase domain containing [Source:Jamboree;Acc:XB-GENE-5787582]	0.3245	0.0275
ENSXETG00000016428	MTMR3	myotubularin related protein 3 [Source:Jamboree;Acc:XB-GENE-984945]	0.8313	0.0466
ENSXETG00000027557	MTTP.2	microsomal triglyceride transfer protein, gene 2 [Source:Jamboree;Acc:XB-GENE-5744488]	0.6980	0.0250
ENSXETG00000003533	MUTYH	mutY homolog [Source:Jamboree;Acc:XB-GENE-998137]	0.7102	0.0227
ENSXETG00000003725	MYB	v-myb myeloblastosis viral oncogene homolog [Source:Jamboree;Acc:XB-GENE-867553]	0.3248	0.0028
ENSXETG00000012125	MYBL2	v-myb myeloblastosis viral oncogene homolog-like 2 [Source:Jamboree;Acc:XB-GENE-982419]	0.4407	0.0000
ENSXETG00000026651	MYH1	myosin, heavy chain 1, skeletal muscle, adult [Source:Jamboree;Acc:XB-GENE-5835504]	0.3061	0.0146
ENSXETG00000000233	MYH9	myosin, heavy chain 9, non-muscle [Source:Jamboree;Acc:XB-GENE-1002222]	0.6366	0.0039
ENSXETG00000006917	MYL1	myosin, light chain 1, alkali; skeletal, fast [Source:Jamboree;Acc:XB-GENE-970333]	0.1306	0.0000
ENSXETG00000003682	MYL3	myosin, light chain 3, alkali; ventricular, skeletal, slow [Source:Jamboree;Acc:XB-GENE-946570]	0.2486	0.0012
ENSXETG00000025505	MYL9	myosin, light chain 9, regulatory [Source:Jamboree;Acc:XB-GENE-5949813]	0.4782	0.0000
ENSXETG00000004422	MYO1A	myosin IA [Source:Jamboree;Acc:XB-GENE-979281]	0.5685	0.0005
ENSXETG00000018580	MYO1H	myosin IH [Source:Jamboree;Acc:XB-GENE-963784]	0.8168	0.0429
ENSXETG00000010446	MYOC	myocilin, trabecular meshwork inducible glucocorticoid response [Source:Jamboree;Acc:XB-GENE-6258532]	0.2236	0.0000
ENSXETG00000011499	MYT1	myelin transcription factor 1 [Source:Jamboree;Acc:XB-GENE-1009975]	0.6422	0.0000
ENSXETG00000000576	N/A	N/A	0.2314	0.0000
ENSXETG00000000901	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7ADH0]	0.1736	0.0198
ENSXETG00000001006	N/A	N/A	0.3879	0.0000
ENSXETG00000001279	N/A	N/A	0.2500	0.0000
ENSXETG00000001715	N/A	N/A	0.3672	0.0000
ENSXETG00000002035	N/A	N/A	0.8249	0.0449
ENSXETG00000002849	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7D6Z3]	0.5343	0.0000
ENSXETG00000003093	N/A	N/A	0.4532	0.0004
ENSXETG00000003099	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7C991]	0.6056	0.0027
ENSXETG00000003136	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YFY1]	0.3162	0.0139
ENSXETG00000003380	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6X3W4]	0.5016	0.0110
ENSXETG00000003700	N/A	N/A	0.5362	0.0000

ENSXETG00000004740	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6ZQF8]	0.6547	0.0106
ENSXETG00000005537	N/A	N/A	0.7056	0.0039
ENSXETG00000005572	N/A	N/A	0.8165	0.0236
ENSXETG00000005639	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YU25]	0.7869	0.0051
ENSXETG00000005910	N/A	N/A	0.7368	0.0059
ENSXETG00000006293	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7A5K6]	0.2633	0.0073
ENSXETG00000006440	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6ZCF5]	0.1341	0.0222
ENSXETG00000006636	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U0Q2]	0.0945	0.0000
ENSXETG00000006974	N/A	N/A	0.6536	0.0000
ENSXETG00000007037	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J7V9]	0.2796	0.0267
ENSXETG00000007433	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N303]	0.4568	0.0000
ENSXETG00000007525	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6QQ09]	0.7575	0.0041
ENSXETG00000007669	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6PWP4]	0.6150	0.0000
ENSXETG00000007779	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N309]	0.5100	0.0499
ENSXETG00000007884	N/A	uncharacterized protein LOC100038305 [Source:RefSeq peptide;Acc:NP_001090879]	0.1275	0.0003
ENSXETG00000007890	N/A	N/A	0.7915	0.0340
ENSXETG00000008088	N/A	N/A	0.6544	0.0002
ENSXETG00000008188	N/A	N/A	0.6647	0.0000
ENSXETG00000008328	N/A	N/A	0.2787	0.0001
ENSXETG00000008553	N/A	N/A	0.5472	0.0000
ENSXETG00000008814	N/A	N/A	0.6776	0.0397
ENSXETG00000009203	N/A	N/A	0.4783	0.0004
ENSXETG00000009442	N/A	uncharacterized protein LOC100127867 precursor [Source:RefSeq peptide;Acc:NP_001106629]	0.5048	0.0000
ENSXETG00000009841	N/A	N/A	0.2315	0.0000
ENSXETG00000010419	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YY56]	0.6271	0.0001
ENSXETG00000010504	N/A	N/A	0.5675	0.0000
ENSXETG00000010668	N/A	N/A	0.5410	0.0041
ENSXETG00000010685	N/A	N/A	0.8067	0.0225
ENSXETG00000010774	N/A	N/A	0.7095	0.0135
ENSXETG00000010890	N/A	N/A	0.3963	0.0055
ENSXETG00000010935	N/A	N/A	0.6791	0.0006
ENSXETG00000011112	N/A	novel helix-loop-helix DNA binding domain protein [Source:RefSeq peptide;Acc:NP_001037951]	0.1725	0.0351
ENSXETG00000011448	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7EI34]	0.3005	0.0319
ENSXETG00000011511	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DEB8]	0.7533	0.0363
ENSXETG00000011643	N/A	N/A	0.4462	0.0283
ENSXETG00000011669	N/A	N/A	0.3430	0.0000
ENSXETG00000012168	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N3B4]	0.6489	0.0378
ENSXETG00000013191	N/A	N/A	0.1035	0.0094
ENSXETG00000013521	N/A	N/A	0.3824	0.0000
ENSXETG00000013709	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J862]	0.7285	0.0010
ENSXETG00000013810	N/A	N/A	0.0940	0.0000
ENSXETG00000015200	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7A074]	0.5268	0.0015
ENSXETG00000015644	N/A	N/A	0.7033	0.0354
ENSXETG00000015882	N/A	N/A	0.5544	0.0008
ENSXETG00000015956	N/A	N/A	0.3924	0.0135
ENSXETG00000017450	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6TA77]	0.2575	0.0437
ENSXETG00000018459	N/A	N/A	0.6385	0.0009
ENSXETG00000018578	N/A	N/A	0.1313	0.0000
ENSXETG00000018678	N/A	N/A	0.5548	0.0044
ENSXETG00000018867	N/A	N/A	0.8279	0.0421
ENSXETG00000019054	N/A	N/A	0.6460	0.0111
ENSXETG00000019103	N/A	N/A	0.4183	0.0000
ENSXETG00000019411	N/A	N/A	0.6895	0.0027
ENSXETG00000019451	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Z7H1]	0.7335	0.0001
ENSXETG00000019594	N/A	N/A	0.3795	0.0008
ENSXETG00000020180	N/A	N/A	0.4374	0.0000
ENSXETG00000020482	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DPN9]	0.5569	0.0014
ENSXETG00000020996	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6VNR7]	0.3700	0.0086
ENSXETG00000021078	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6ZB06]	0.7919	0.0028
ENSXETG00000021241	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T783]	0.7449	0.0019
ENSXETG00000021705	N/A	N/A	0.6515	0.0251
ENSXETG00000021786	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T577]	0.7866	0.0173
ENSXETG00000021805	N/A	N/A	0.2134	0.0000
ENSXETG00000021937	N/A	N/A	0.7870	0.0447
ENSXETG00000022061	N/A	N/A	0.6044	0.0102
ENSXETG00000022064	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q7T3]	0.6552	0.0103
ENSXETG00000023382	N/A	N/A	0.3284	0.0000
ENSXETG00000023940	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DIG8]	0.7113	0.0331
ENSXETG00000023941	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DDR5]	0.5688	0.0001
ENSXETG00000024075	N/A	N/A	0.3377	0.0000
ENSXETG00000024090	N/A	N/A	0.7887	0.0100
ENSXETG00000024202	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6TD76]	0.6898	0.0383
ENSXETG00000024246	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J7Y3]	0.7003	0.0017
ENSXETG00000024253	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BAH2]	0.7198	0.0086
ENSXETG00000024413	N/A	N/A	0.7521	0.0009
ENSXETG00000024475	N/A	N/A	0.4707	0.0075
ENSXETG00000024573	N/A	N/A	0.1914	0.0399
ENSXETG00000024600	N/A	N/A	0.4132	0.0145
ENSXETG00000024633	N/A	uncharacterized protein LOC100135367 [Source:RefSeq peptide;Acc:NP_001107511]	0.5596	0.0183
ENSXETG00000024639	N/A	N/A	0.6352	0.0000
ENSXETG00000024879	N/A	N/A	0.6096	0.0216
ENSXETG00000024934	N/A	N/A	0.7979	0.0362
ENSXETG00000024968	N/A	N/A	0.1345	0.0002
ENSXETG00000025022	N/A	N/A	0.5505	0.0029
ENSXETG00000025046	N/A	N/A	0.6701	0.0169
ENSXETG00000025123	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N344]	0.1991	0.0033
ENSXETG00000025145	N/A	Dimethylaniline monooxygenase [N-oxide-forming] [Source:UniProtKB/TrEMBL;Acc:F6TKY1]	0.7175	0.0471
ENSXETG00000025200	N/A	N/A	0.5148	0.0431
ENSXETG00000025268	N/A	N/A	0.4443	0.0096
ENSXETG00000025524	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YYA0]	0.5557	0.0002
ENSXETG00000025604	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YYB4]	0.0000	0.0286
ENSXETG00000025627	N/A	N/A	0.4938	0.0123
ENSXETG00000025734	N/A	N/A	0.5167	0.0018
ENSXETG00000025817	N/A	N/A	0.5189	0.0000
ENSXETG00000025852	N/A	N/A	0.3450	0.0000
ENSXETG00000025863	N/A	N/A	0.7217	0.0381
ENSXETG00000025926	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BQN5]	0.7097	0.0146
ENSXETG00000025952	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6PSR7]	0.6993	0.0104
ENSXETG00000026082	N/A	N/A	0.5763	0.0000
ENSXETG00000026105	N/A	N/A	0.6352	0.0083
ENSXETG00000026160	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Y745]	0.5058	0.0197
ENSXETG00000026214	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YWQ7]	0.4024	0.0047
ENSXETG00000026238	N/A	N/A	0.7768	0.0356
ENSXETG00000026697	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CZQ5]	0.6607	0.0093
ENSXETG00000026889	N/A	N/A	0.7911	0.0268
ENSXETG00000027012	N/A	N/A	0.7196	0.0046

ENSXETG00000027093	N/A	uncharacterized protein LOC100170590 [Source:RefSeq peptide;Acc:NP_001123834]	0.6554	0.0043
ENSXETG00000027151	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DQR2]	0.6244	0.0290
ENSXETG00000027173	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J7P9]	0.8004	0.0212
ENSXETG00000027258	N/A	N/A	0.0793	0.0000
ENSXETG00000027329	N/A	N/A	0.7222	0.0010
ENSXETG00000027339	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BWA1]	0.6738	0.0000
ENSXETG00000027477	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WEX9]	0.4873	0.0000
ENSXETG00000027561	N/A	uncharacterized protein LOC100145695 [Source:RefSeq peptide;Acc:NP_001120541]	0.4802	0.0000
ENSXETG00000027619	N/A	N/A	0.3539	0.0388
ENSXETG00000028006	N/A	N/A	0.4962	0.0000
ENSXETG00000029213	N/A	N/A	0.7126	0.0239
ENSXETG00000029277	N/A	N/A	0.6874	0.0139
XLOC_000094	N/A	N/A	0.4025	0.0012
XLOC_000141	N/A	N/A	0.7957	0.0322
XLOC_000678	N/A	N/A	0.1874	0.0001
XLOC_001617	N/A	N/A	0.6622	0.0046
XLOC_001797	N/A	N/A	0.1307	0.0062
XLOC_001821	N/A	N/A	0.2171	0.0319
XLOC_001902	N/A	N/A	0.4596	0.0016
XLOC_001977	N/A	N/A	0.7428	0.0005
XLOC_001980	N/A	N/A	0.3911	0.0217
XLOC_001981	N/A	N/A	0.4168	0.0193
XLOC_002484	N/A	N/A	0.5222	0.0001
XLOC_002493	N/A	N/A	0.5644	0.0062
XLOC_002616	N/A	N/A	0.5335	0.0001
XLOC_002820	N/A	N/A	0.4417	0.0109
XLOC_002824	N/A	N/A	0.3066	0.0000
XLOC_002910	N/A	N/A	0.4515	0.0000
XLOC_002911	N/A	N/A	0.3825	0.0068
XLOC_003040	N/A	N/A	0.5389	0.0000
XLOC_003347	N/A	N/A	0.1705	0.0000
XLOC_003362	N/A	N/A	0.4667	0.0074
XLOC_003593	N/A	N/A	0.7221	0.0058
XLOC_003634	N/A	N/A	0.5271	0.0000
XLOC_004178	N/A	N/A	0.6029	0.0193
XLOC_004386	N/A	N/A	0.7968	0.0396
XLOC_005084	N/A	N/A	0.4980	0.0242
XLOC_005136	N/A	N/A	0.3678	0.0299
XLOC_005260	N/A	N/A	0.6086	0.0000
XLOC_005321	N/A	N/A	0.6581	0.0052
XLOC_005399	N/A	N/A	0.4224	0.0013
XLOC_005547	N/A	N/A	0.4260	0.0188
XLOC_005690	N/A	N/A	0.6938	0.0228
XLOC_005691	N/A	N/A	0.7184	0.0356
XLOC_005983	N/A	N/A	0.5630	0.0086
XLOC_006019	N/A	N/A	0.6266	0.0239
XLOC_006163	N/A	N/A	0.6040	0.0028
XLOC_006217	N/A	N/A	0.3131	0.0000
XLOC_006303	N/A	N/A	0.8379	0.0324
XLOC_006385	N/A	N/A	0.4765	0.0000
XLOC_006685	N/A	N/A	0.2823	0.0028
XLOC_007028	N/A	N/A	0.4825	0.0347
XLOC_007160	N/A	N/A	0.5179	0.0403
XLOC_007197	N/A	N/A	0.6055	0.0015
XLOC_007319	N/A	N/A	0.6992	0.0360
XLOC_007587	N/A	N/A	0.6561	0.0470
XLOC_008010	N/A	N/A	0.8174	0.0128
XLOC_008012	N/A	N/A	0.6557	0.0001
XLOC_008267	N/A	N/A	0.6166	0.0002
XLOC_008308	N/A	N/A	0.6283	0.0208
XLOC_008638	N/A	N/A	0.0429	0.0041
XLOC_008769	N/A	N/A	0.3799	0.0000
XLOC_008773	N/A	N/A	0.2166	0.0000
XLOC_009191	N/A	N/A	0.0850	0.0327
XLOC_009297	N/A	N/A	0.6125	0.0000
XLOC_009670	N/A	N/A	0.4874	0.0145
XLOC_009699	N/A	N/A	0.7068	0.0005
XLOC_009901	N/A	N/A	0.6013	0.0000
XLOC_009986	N/A	N/A	0.3625	0.0249
XLOC_010388	N/A	N/A	0.5249	0.0000
XLOC_010407	N/A	N/A	0.3885	0.0000
XLOC_010679	N/A	N/A	0.4021	0.0012
XLOC_010881	N/A	N/A	0.3144	0.0000
XLOC_010925	N/A	N/A	0.6809	0.0107
XLOC_011312	N/A	N/A	0.7313	0.0037
XLOC_011684	N/A	N/A	0.3289	0.0000
XLOC_011781	N/A	N/A	0.4130	0.0000
XLOC_013027	N/A	N/A	0.7243	0.0154
XLOC_013095	N/A	N/A	0.3449	0.0139
XLOC_013203	N/A	N/A	0.4848	0.0309
XLOC_013746	N/A	N/A	0.5272	0.0187
XLOC_013790	N/A	N/A	0.4908	0.0000
XLOC_013832	N/A	N/A	0.5279	0.0413
XLOC_014048	N/A	N/A	0.2820	0.0000
XLOC_014055	N/A	N/A	0.6808	0.0056
XLOC_014077	N/A	N/A	0.5058	0.0088
XLOC_014177	N/A	N/A	0.4494	0.0019
XLOC_014318	N/A	N/A	0.2987	0.0000
XLOC_014543	N/A	N/A	0.4416	0.0056
XLOC_014555	N/A	N/A	0.8096	0.0278
XLOC_014562	N/A	N/A	0.6482	0.0000
XLOC_014585	N/A	N/A	0.5372	0.0000
XLOC_014730	N/A	N/A	0.4866	0.0062
XLOC_014771	N/A	N/A	0.6293	0.0023
XLOC_014787	N/A	N/A	0.7951	0.0449
XLOC_014982	N/A	N/A	0.7665	0.0326
XLOC_015091	N/A	N/A	0.3437	0.0005
XLOC_015118	N/A	N/A	0.6310	0.0154
XLOC_015433	N/A	N/A	0.6265	0.0252
XLOC_015452	N/A	N/A	0.1012	0.0000
XLOC_015467	N/A	N/A	0.7626	0.0028
XLOC_015504	N/A	N/A	0.7056	0.0041
XLOC_015590	N/A	N/A	0.4212	0.0000
XLOC_015892	N/A	N/A	0.6577	0.0118
XLOC_015935	N/A	N/A	0.2294	0.0000
XLOC_016292	N/A	N/A	0.5140	0.0000

XLOC_016345	N/A	N/A	0.7283	0.0026
XLOC_016409	N/A	N/A	0.5822	0.0156
XLOC_016528	N/A	N/A	0.7107	0.0010
XLOC_016809	N/A	N/A	0.5558	0.0003
XLOC_016825	N/A	N/A	0.6368	0.0189
XLOC_017024	N/A	N/A	0.4897	0.0000
XLOC_017336	N/A	N/A	0.5653	0.0002
XLOC_017369	N/A	N/A	0.7254	0.0246
XLOC_017375	N/A	N/A	0.5853	0.0322
XLOC_017481	N/A	N/A	0.7169	0.0107
XLOC_017531	N/A	N/A	0.6940	0.0493
XLOC_017793	N/A	N/A	0.7642	0.0383
XLOC_017849	N/A	N/A	0.8127	0.0418
XLOC_017868	N/A	N/A	0.6298	0.0000
XLOC_018162	N/A	N/A	0.6091	0.0000
XLOC_018223	N/A	N/A	0.4130	0.0000
XLOC_018227	N/A	N/A	0.7635	0.0071
XLOC_018502	N/A	N/A	0.2163	0.0000
XLOC_018808	N/A	N/A	0.7038	0.0000
XLOC_018862	N/A	N/A	0.3864	0.0028
XLOC_018863	N/A	N/A	0.5012	0.0375
XLOC_019007	N/A	N/A	0.5313	0.0000
XLOC_019308	N/A	N/A	0.7364	0.0278
XLOC_019432	N/A	N/A	0.6305	0.0001
XLOC_019478	N/A	N/A	0.2228	0.0000
XLOC_019481	N/A	N/A	0.3192	0.0000
XLOC_019731	N/A	N/A	0.6905	0.0076
XLOC_020052	N/A	N/A	0.3569	0.0000
XLOC_020054	N/A	N/A	0.1274	0.0000
XLOC_020298	N/A	N/A	0.5470	0.0162
XLOC_020464	N/A	N/A	0.0811	0.0000
XLOC_020548	N/A	N/A	0.3943	0.0018
XLOC_020673	N/A	N/A	0.7613	0.0148
XLOC_020731	N/A	N/A	0.7834	0.0340
XLOC_020741	N/A	N/A	0.5648	0.0000
XLOC_020791	N/A	N/A	0.5481	0.0002
XLOC_021534	N/A	N/A	0.3181	0.0017
XLOC_021724	N/A	N/A	0.5848	0.0000
XLOC_021796	N/A	N/A	0.4436	0.0089
XLOC_022003	N/A	N/A	0.6800	0.0364
XLOC_022010	N/A	N/A	0.6800	0.0364
XLOC_022120	N/A	N/A	0.5434	0.0012
XLOC_022308	N/A	N/A	0.1963	0.0000
XLOC_023423	N/A	N/A	0.6573	0.0000
XLOC_023540	N/A	N/A	0.4042	0.0004
XLOC_023704	N/A	N/A	0.3476	0.0250
XLOC_023802	N/A	N/A	0.2005	0.0097
XLOC_023901	N/A	N/A	0.6719	0.0287
XLOC_023938	N/A	N/A	0.2386	0.0373
XLOC_024223	N/A	N/A	0.5421	0.0000
XLOC_024230	N/A	N/A	0.7668	0.0227
XLOC_024262	N/A	N/A	0.5340	0.0001
XLOC_024308	N/A	N/A	0.2659	0.0000
XLOC_024508	N/A	N/A	0.3688	0.0039
XLOC_024578	N/A	N/A	0.4788	0.0002
XLOC_024848	N/A	N/A	0.4368	0.0017
XLOC_024873	N/A	N/A	0.6726	0.0001
XLOC_024916	N/A	N/A	0.4825	0.0000
XLOC_024930	N/A	N/A	0.7516	0.0036
XLOC_025026	N/A	N/A	0.1761	0.0000
XLOC_025436	N/A	N/A	0.4761	0.0225
XLOC_025532	N/A	N/A	0.6280	0.0000
XLOC_025605	N/A	N/A	0.5299	0.0000
XLOC_025622	N/A	N/A	0.5318	0.0000
XLOC_025696	N/A	N/A	0.7488	0.0156
XLOC_026151	N/A	N/A	0.4441	0.0000
XLOC_026312	N/A	N/A	0.7641	0.0454
XLOC_026412	N/A	N/A	0.6823	0.0023
XLOC_026754	N/A	N/A	0.1932	0.0000
XLOC_026932	N/A	N/A	0.5236	0.0330
XLOC_027302	N/A	N/A	0.7132	0.0009
XLOC_027465	N/A	N/A	0.1045	0.0001
XLOC_027693	N/A	N/A	0.7822	0.0100
XLOC_027802	N/A	N/A	0.6925	0.0274
XLOC_027855	N/A	N/A	0.6379	0.0002
XLOC_027862	N/A	N/A	0.5301	0.0000
XLOC_027868	N/A	N/A	0.5080	0.0001
XLOC_028062	N/A	N/A	0.7185	0.0042
XLOC_028544	N/A	N/A	0.6627	0.0000
XLOC_028569	N/A	N/A	0.6190	0.0041
XLOC_028642	N/A	N/A	0.6707	0.0375
XLOC_028653	N/A	N/A	0.5077	0.0002
XLOC_028693	N/A	N/A	0.6909	0.0002
XLOC_028696	N/A	N/A	0.6165	0.0133
XLOC_028863	N/A	N/A	0.7369	0.0059
XLOC_028869	N/A	N/A	0.1600	0.0000
XLOC_028971	N/A	N/A	0.3980	0.0042
XLOC_029112	N/A	N/A	0.7571	0.0058
XLOC_029148	N/A	N/A	0.0993	0.0000
XLOC_029447	N/A	N/A	0.1497	0.0036
XLOC_029670	N/A	N/A	0.1228	0.0316
XLOC_029674	N/A	N/A	0.5213	0.0000
XLOC_029679	N/A	N/A	0.7508	0.0096
XLOC_029682	N/A	N/A	0.0827	0.0000
XLOC_029690	N/A	N/A	0.7106	0.0095
XLOC_029741	N/A	N/A	0.6558	0.0022
XLOC_029913	N/A	N/A	0.7759	0.0356
XLOC_030156	N/A	N/A	0.5046	0.0000
XLOC_030355	N/A	N/A	0.5470	0.0014
XLOC_030718	N/A	N/A	0.5852	0.0056
XLOC_031002	N/A	N/A	0.5349	0.0028
XLOC_031106	N/A	N/A	0.5055	0.0000
XLOC_031421	N/A	N/A	0.2431	0.0000
XLOC_031423	N/A	N/A	0.3204	0.0382
XLOC_031447	N/A	N/A	0.2819	0.0000
XLOC_031744	N/A	N/A	0.7294	0.0304

XLOC_031983	N/A	N/A	0.6051	0.0081
XLOC_031990	N/A	N/A	0.7257	0.0061
XLOC_032047	N/A	N/A	0.7743	0.0159
XLOC_032258	N/A	N/A	0.2212	0.0000
XLOC_032441	N/A	N/A	0.6207	0.0374
XLOC_032443	N/A	N/A	0.4566	0.0130
XLOC_032674	N/A	N/A	0.0469	0.0000
XLOC_032678	N/A	N/A	0.2829	0.0000
XLOC_032814	N/A	N/A	0.7379	0.0251
XLOC_032909	N/A	N/A	0.2182	0.0000
XLOC_032925	N/A	N/A	0.5448	0.0015
XLOC_033222	N/A	N/A	0.6276	0.0123
XLOC_033267	N/A	N/A	0.3066	0.0072
XLOC_033466	N/A	N/A	0.1061	0.0000
XLOC_033578	N/A	N/A	0.4536	0.0041
XLOC_033579	N/A	N/A	0.3917	0.0031
XLOC_033586	N/A	N/A	0.6557	0.0117
XLOC_033629	N/A	N/A	0.1249	0.0159
XLOC_033950	N/A	N/A	0.7983	0.0127
XLOC_033983	N/A	N/A	0.6163	0.0099
XLOC_034509	N/A	N/A	0.5417	0.0042
XLOC_034659	N/A	N/A	0.4782	0.0401
XLOC_034752	N/A	N/A	0.5142	0.0287
XLOC_034789	N/A	N/A	0.4627	0.0466
XLOC_035008	N/A	N/A	0.3838	0.0000
XLOC_035012	N/A	N/A	0.5377	0.0057
XLOC_035027	N/A	N/A	0.0893	0.0000
XLOC_035105	N/A	N/A	0.5679	0.0076
XLOC_035249	N/A	N/A	0.4000	0.0001
XLOC_035326	N/A	N/A	0.4350	0.0002
XLOC_035380	N/A	N/A	0.5666	0.0034
XLOC_035483	N/A	N/A	0.7670	0.0092
XLOC_035695	N/A	N/A	0.6653	0.0030
XLOC_036205	N/A	N/A	0.3396	0.0000
XLOC_036298	N/A	N/A	0.7274	0.0275
XLOC_036679	N/A	N/A	0.7150	0.0364
XLOC_036864	N/A	N/A	0.7257	0.0352
XLOC_037131	N/A	N/A	0.3993	0.0016
XLOC_037212	N/A	N/A	0.0957	0.0000
XLOC_037516	N/A	N/A	0.7067	0.0317
XLOC_037631	N/A	N/A	0.7167	0.0037
XLOC_037903	N/A	N/A	0.4965	0.0000
XLOC_038082	N/A	N/A	0.1503	0.0000
XLOC_038083	N/A	N/A	0.1238	0.0000
XLOC_038426	N/A	N/A	0.6232	0.0000
XLOC_038594	N/A	N/A	0.1424	0.0000
XLOC_038595	N/A	N/A	0.1268	0.0000
XLOC_038753	N/A	N/A	0.1515	0.0000
XLOC_038805	N/A	N/A	0.7678	0.0008
XLOC_039026	N/A	N/A	0.3674	0.0000
XLOC_039060	N/A	N/A	0.7594	0.0021
XLOC_039264	N/A	N/A	0.7136	0.0279
XLOC_039353	N/A	N/A	0.1330	0.0093
XLOC_039355	N/A	N/A	0.6829	0.0000
XLOC_039552	N/A	N/A	0.7534	0.0149
XLOC_039686	N/A	N/A	0.7506	0.0263
XLOC_040003	N/A	N/A	0.7466	0.0082
XLOC_040032	N/A	N/A	0.5464	0.0008
XLOC_040433	N/A	N/A	0.6463	0.0000
XLOC_040436	N/A	N/A	0.7235	0.0339
XLOC_040523	N/A	N/A	0.5309	0.0015
XLOC_040550	N/A	N/A	0.6892	0.0000
XLOC_040619	N/A	N/A	0.7296	0.0025
XLOC_040793	N/A	N/A	0.6170	0.0226
XLOC_040812	N/A	N/A	0.2249	0.0000
XLOC_040815	N/A	N/A	0.0945	0.0000
XLOC_040828	N/A	N/A	0.2979	0.0001
XLOC_041015	N/A	N/A	0.5745	0.0035
XLOC_041241	N/A	N/A	0.5750	0.0276
XLOC_041389	N/A	N/A	0.3533	0.0206
XLOC_041645	N/A	N/A	0.1154	0.0000
XLOC_041704	N/A	N/A	0.5986	0.0140
XLOC_041725	N/A	N/A	0.5659	0.0000
XLOC_041728	N/A	N/A	0.6087	0.0142
XLOC_041831	N/A	N/A	0.4169	0.0041
XLOC_041889	N/A	N/A	0.2358	0.0150
XLOC_042219	N/A	N/A	0.1263	0.0000
XLOC_042239	N/A	N/A	0.5551	0.0000
XLOC_042376	N/A	N/A	0.4626	0.0075
XLOC_042390	N/A	N/A	0.5697	0.0036
XLOC_042435	N/A	N/A	0.7077	0.0042
XLOC_042521	N/A	N/A	0.3967	0.0005
XLOC_042653	N/A	N/A	0.6171	0.0374
XLOC_042744	N/A	N/A	0.7111	0.0007
XLOC_043007	N/A	N/A	0.3553	0.0000
XLOC_043349	N/A	N/A	0.7433	0.0297
XLOC_043357	N/A	N/A	0.6054	0.0000
XLOC_043519	N/A	N/A	0.4472	0.0282
XLOC_043649	N/A	N/A	0.4600	0.0031
XLOC_043654	N/A	N/A	0.6133	0.0251
XLOC_043909	N/A	N/A	0.6911	0.0073
XLOC_044119	N/A	N/A	0.4208	0.0000
XLOC_044254	N/A	N/A	0.6278	0.0029
XLOC_044255	N/A	N/A	0.5721	0.0000
ENSXETG00000012810	N4BP2	NEDD4 binding protein 2 [Source:Jamboree;Acc:XB-GENE-6095669]	0.7892	0.0401
ENSXETG00000006733	N4BP3	NEDD4 binding protein 3 [Source:Jamboree;Acc:XB-GENE-988982]	0.4708	0.0000
ENSXETG00000002713	NAA40	N(alpha)-acetyltransferase 40, NatD catalytic subunit, homolog [Source:Jamboree;Acc:XB-GENE-5846020]	0.6766	0.0000
ENSXETG00000027610	NAAA	N-acylethanolamine acid amidase [Source:Jamboree;Acc:XB-GENE-1006650]	0.3396	0.0000
ENSXETG00000004407	NACA.2	nascent polypeptide-associated complex alpha subunit [Source:Jamboree;Acc:XB-GENE-969062]	0.6351	0.0000
ENSXETG00000022907	NAGPA	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase [Source:Jamboree;Acc:XB-GENE-996371]	0.7701	0.0173
ENSXETG00000002892	NAPSA	napsin A aspartic peptidase [Source:Jamboree;Acc:XB-GENE-947098]	0.4915	0.0077
ENSXETG00000003498	NASP	nuclear autoantigenic sperm protein (histone-binding) [Source:Jamboree;Acc:XB-GENE-980254]	0.7025	0.0001
ENSXETG00000002389	NAT8L	N-acetyltransferase 8-like (GCN5-related, putative) [Source:Jamboree;Acc:XB-GENE-5817008]	0.6383	0.0000
ENSXETG00000023826	NCAPG	non-SMC condensin I complex, subunit G [Source:Jamboree;Acc:XB-GENE-5783775]	0.3109	0.0000
ENSXETG00000007162	NCAPG2	non-SMC condensin II complex, subunit G2 [Source:Jamboree;Acc:XB-GENE-1002744]	0.3358	0.0000
ENSXETG00000001245	NCAPH	non-SMC condensin I complex, subunit H [Source:Jamboree;Acc:XB-GENE-5738397]	0.1644	0.0000

ENSXETG00000023090	NCAPH2	non-SMC condensin II complex, subunit H2 [Source:Jamboree;Acc:XB-GENE-993063]	0.1376	0.0000
ENSXETG00000012530	NCF2	neutrophil cytosolic factor 2 [Source:Jamboree;Acc:XB-GENE-482959]	0.4472	0.0007
ENSXETG00000021669	NCK2	NCK adaptor protein 2 [Source:Jamboree;Acc:XB-GENE-6083355]	0.7316	0.0061
ENSXETG00000009517	NCL	nucleolin [Source:Jamboree;Acc:XB-GENE-989986]	0.7834	0.0019
ENSXETG00000020840	NDC80	NDC80 homolog, kinetochore complex component [Source:Jamboree;Acc:XB-GENE-997352]	0.2746	0.0000
ENSXETG00000024755	NDUFAF3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 3 [Source:Jamboree;Acc:XB-GENE-999944]	0.6657	0.0000
ENSXETG00000010108	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase) [Source:Jamboree;Acc:XB-GENE-961231]	0.7395	0.0001
ENSXETG00000021683	NEDD1	neural precursor cell expressed, developmentally down-regulated 1 [Source:Jamboree;Acc:XB-GENE-489625]	0.6675	0.0003
ENSXETG00000023886	NEIL1	nei endonuclease VIII-like 1 [Source:Jamboree;Acc:XB-GENE-1013384]	0.5459	0.0019
ENSXETG00000027739	NEMF	nuclear export mediator factor [Source:Jamboree;Acc:XB-GENE-5772016]	0.6994	0.0418
ENSXETG00000019915	NES	nestin [Source:Jamboree;Acc:XB-GENE-490506]	0.2334	0.0000
ENSXETG00000004295	NEUROD4	neurogenic differentiation 4 [Source:Jamboree;Acc:XB-GENE-972704]	0.2712	0.0000
ENSXETG00000007898	NEUROG1	neurogenin 1 [Source:Jamboree;Acc:XB-GENE-491452]	0.0697	0.0000
ENSXETG00000024100	NEUROG2	neurogenin 2 [Source:Jamboree;Acc:XB-GENE-491040]	0.1171	0.0000
ENSXETG00000017861	NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive [Source:Jamboree;Acc:XB-GENE-6069990]	0.8238	0.0214
ENSXETG00000005812	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 [Source:Jamboree;Acc:XB-GENE-493918]	0.5215	0.0022
ENSXETG00000021325	NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 [Source:Jamboree;Acc:XB-GENE-985746]	0.6305	0.0186
ENSXETG00000000013	NFKB2	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) [Source:Jamboree;Acc:XB-GENE-970084]	0.6392	0.0015
ENSXETG00000014562	NGDN	neuroguidin, EIF4E binding protein [Source:Jamboree;Acc:XB-GENE-946309]	0.7535	0.0220
ENSXETG00000005841	NHLH1	nescient helix loop helix 1 [Source:Jamboree;Acc:XB-GENE-989790]	0.6089	0.0000
ENSXETG00000016032	NHLRC3	NHL repeat containing 3 [Source:Jamboree;Acc:XB-GENE-988782]	0.7175	0.0002
ENSXETG00000006731	NHP2	NHP2 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-973261]	0.6863	0.0005
ENSXETG00000001112	NHS	Nance-Horan syndrome (congenital cataracts and dental anomalies) [Source:Jamboree;Acc:XB-GENE-5872334]	0.6282	0.0424
ENSXETG00000016220	NID1	nidogen 1 [Source:Jamboree;Acc:XB-GENE-1003556]	0.6047	0.0000
ENSXETG00000008516	NIF	low molecular weight neuronal intermediate filament [Source:Jamboree;Acc:XB-GENE-876557]	0.7923	0.0084
ENSXETG00000018172	NIF3L1	NIF3 NGG1 interacting factor 3-like 1 [Source:Jamboree;Acc:XB-GENE-1016729]	0.4795	0.0045
ENSXETG00000016467	NIN	ninein (GSK3B interacting protein) [Source:Jamboree;Acc:XB-GENE-954251]	0.8042	0.0209
ENSXETG00000012699	NIT1	nitrilase 1 [Source:Jamboree;Acc:XB-GENE-975428]	0.6223	0.0000
ENSXETG00000012908	NKAIN1	Na+/K+ transporting ATPase interacting 1 [Source:Jamboree;Acc:XB-GENE-946558]	0.6421	0.0000
ENSXETG00000023499	NKX2-2	NK2 homeobox 2 [Source:Jamboree;Acc:XB-GENE-482219]	0.6910	0.0031
ENSXETG00000002908	NKX2-8	NK2 homeobox 8 [Source:Jamboree;Acc:XB-GENE-853981]	0.1518	0.0007
ENSXETG00000013227	NKX6-1	NK6 homeobox 1 [Source:Jamboree;Acc:XB-GENE-483574]	0.3817	0.0000
ENSXETG00000023614	NKX6-2	NK6 homeobox 2 [Source:Jamboree;Acc:XB-GENE-484527]	0.3964	0.0000
ENSXETG00000013488	NLE1	notchless homolog 1 [Source:Jamboree;Acc:XB-GENE-984059]	0.5647	0.0083
ENSXETG00000000451	NLN	neurolysin (metallopeptidase M3 family) [Source:Jamboree;Acc:XB-GENE-960645]	0.6201	0.0000
ENSXETG00000027727	NMD3	NMD3 homolog [Source:Jamboree;Acc:XB-GENE-942228]	0.7447	0.0066
ENSXETG00000020975	NOC3L	nucleolar complex associated 3 homolog [Source:Jamboree;Acc:XB-GENE-5957761]	0.6738	0.0001
ENSXETG00000002043	NOC4L	nucleolar complex associated 4 homolog [Source:Jamboree;Acc:XB-GENE-6458094]	0.7588	0.0166
ENSXETG00000002153	NOL6	nucleolar protein family 6 (RNA-associated) [Source:Jamboree;Acc:XB-GENE-994692]	0.7915	0.0323
ENSXETG00000021611	NOM1	nucleolar protein with MIF4G domain 1 [Source:Jamboree;Acc:XB-GENE-5954463]	0.7701	0.0072
ENSXETG00000020868	NONO	non-POU domain containing, octamer-binding [Source:Jamboree;Acc:XB-GENE-1002494]	0.6999	0.0000
ENSXETG00000014711	NOP14	NOP14 nucleolar protein homolog [Source:Jamboree;Acc:XB-GENE-992782]	0.7879	0.0205
ENSXETG00000011515	NOP2	NOP2 nucleolar protein homolog [Source:Jamboree;Acc:XB-GENE-962291]	0.7274	0.0045
ENSXETG00000014962	NOP56	NOP56 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-5879910]	0.6111	0.0000
ENSXETG00000022073	NOP58	NOP58 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-990556]	0.6450	0.0000
ENSXETG00000000757	NOTCH1	notch 1 [Source:Jamboree;Acc:XB-GENE-479318]	0.4819	0.0000
ENSXETG00000002570	NOTCH3	notch 3 [Source:Jamboree;Acc:XB-GENE-6450008]	0.6642	0.0000
ENSXETG00000003001	NOTUM	notum pectinacetylesterase homolog [Source:Jamboree;Acc:XB-GENE-996986]	0.4568	0.0000
ENSXETG00000007216	NOXO1	NADPH oxidase organizer 1 [Source:Jamboree;Acc:XB-GENE-987621]	0.5926	0.0000
ENSXETG00000008477	NPHP3	nephronophthisis 3 (adolescent) [Source:Jamboree;Acc:XB-GENE-487873]	0.6661	0.0023
ENSXETG00000014472	NPM3	nucleophosmin/nucleoplasmin 3 [Source:Jamboree;Acc:XB-GENE-954429]	0.7579	0.0369
ENSXETG00000014853	NR2E1	nuclear receptor subfamily 2, group E, member 1 [Source:Jamboree;Acc:XB-GENE-483554]	0.6941	0.0122
ENSXETG00000024016	NR4A2	nuclear receptor subfamily 4, group A, member 2 [Source:Jamboree;Acc:XB-GENE-480893]	0.7851	0.0327
ENSXETG00000021449	NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog [Source:Jamboree;Acc:XB-GENE-6085898]	0.6997	0.0022
ENSXETG00000005077	NSA2	NSA2 ribosome biogenesis homolog [Source:Jamboree;Acc:XB-GENE-478113]	0.5687	0.0000
ENSXETG00000025443	NSMCE1	non-SMC element 1 homolog [Source:Jamboree;Acc:XB-GENE-1006456]	0.7180	0.0432
ENSXETG00000001732	NSUN2	NOP2/Sun domain family, member 2 [Source:Jamboree;Acc:XB-GENE-962623]	0.7511	0.0039
ENSXETG00000018955	NT5DC4	5'-nucleotidase domain containing 4 [Source:Jamboree;Acc:XB-GENE-5867778]	0.2642	0.0000
ENSXETG00000014390	NTN1	netrin 1 precursor [Source:RefSeq peptide;Acc:NP_001072385]	0.5488	0.0000
ENSXETG00000019519	NTN1	netrin 1 [Source:Jamboree;Acc:XB-GENE-989335]	0.5506	0.0000
ENSXETG00000020288	NTN3	netrin 3 [Source:Jamboree;Acc:XB-GENE-960264]	0.4505	0.0000
ENSXETG00000014584	NTPCR	nucleoside-triphosphatase, cancer-related [Source:Jamboree;Acc:XB-GENE-1012145]	0.7535	0.0388
ENSXETG00000000974	NUAK2	NUAK family, SNF1-like kinase, 2 [Source:Jamboree;Acc:XB-GENE-5857794]	0.3320	0.0000
ENSXETG00000001000	NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1 [Source:Jamboree;Acc:XB-GENE-490974]	0.7620	0.0007
ENSXETG00000016542	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1 [Source:Jamboree;Acc:XB-GENE-975736]	0.1926	0.0000
ENSXETG00000006153	NUDT13	nudix (nucleoside diphosphate linked moiety X)-type motif 13 [Source:Jamboree;Acc:XB-GENE-987788]	0.5438	0.0022
ENSXETG00000020017	NUDT21	nudix (nucleoside diphosphate linked moiety X)-type motif 21 [Source:Jamboree;Acc:XB-GENE-921415]	0.7996	0.0265
ENSXETG00000010463	NUF2	NUF2, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-1001441]	0.1981	0.0000
ENSXETG00000012903	NUP188	nucleoporin 188kDa [Source:Jamboree;Acc:XB-GENE-5933085]	0.8119	0.0170
ENSXETG00000010597	NUP205	nucleoporin 205kDa [Source:Jamboree;Acc:XB-GENE-1009711]	0.7097	0.0007
ENSXETG00000002535	NUP37	nucleoporin 37kDa [Source:Jamboree;Acc:XB-GENE-1015893]	0.5649	0.0000
ENSXETG00000016373	NUP43	nucleoporin 43kDa [Source:Jamboree;Acc:XB-GENE-1017294]	0.6736	0.0001
ENSXETG00000027060	NUP85	nucleoporin 85kDa [Source:Jamboree;Acc:XB-GENE-1008050]	0.7536	0.0176
ENSXETG00000027499	NUSAP1	nucleolar and spindle associated protein 1 [Source:Jamboree;Acc:XB-GENE-479486]	0.1301	0.0000
ENSXETG00000003732	O3FAR1	omega-3 fatty acid receptor 1 [Source:Jamboree;Acc:XB-GENE-954927]	0.5837	0.0005
ENSXETG00000011674	OCIAD2	OCIA domain containing 2 [Source:Jamboree;Acc:XB-GENE-966006]	0.1917	0.0227
ENSXETG00000003519	ODC1	ornithine decarboxylase 1 [Source:Jamboree;Acc:XB-GENE-478945]	0.6745	0.0000
ENSXETG00000023668	OGG1	8-oxoguanine DNA glycosylase [Source:Jamboree;Acc:XB-GENE-995809]	0.4918	0.0000
ENSXETG00000022490	OLIG3	oligodendrocyte transcription factor 3 [Source:Jamboree;Acc:XB-GENE-919789]	0.1142	0.0000
ENSXETG00000015176	OR2T29	olfactory receptor, family 2, subfamily T, member 29 [Source:Jamboree;Acc:XB-GENE-6042169]	0.2136	0.0399
ENSXETG00000021718	ORC4	origin recognition complex, subunit 4 [Source:Jamboree;Acc:XB-GENE-1012480]	0.6719	0.0016
ENSXETG00000003891	ORC6	origin recognition complex, subunit 6 [Source:Jamboree;Acc:XB-GENE-963541]	0.3893	0.0000
ENSXETG00000009883	OSGEPL1	O-sialoglycoprotein endopeptidase-like 1 [Source:Jamboree;Acc:XB-GENE-948324]	0.5008	0.0001
ENSXETG00000008729	OTOL1	otolin 1 [Source:HGNC Symbol;Acc:HGNC:34071]	0.0152	0.0000
ENSXETG00000016028	OTOP1	otopetrin 1 [Source:Jamboree;Acc:XB-GENE-876999]	0.0352	0.0326
ENSXETG00000010313	OTUB2	OTU domain, ubiquitin aldehyde binding 2 [Source:Jamboree;Acc:XB-GENE-950643]	0.6869	0.0004
ENSXETG00000017606	OTUD4	OTU domain containing 4 [Source:Jamboree;Acc:XB-GENE-5900161]	0.7346	0.0006
ENSXETG00000013025	OTX1	orthodenticle homeobox 1 [Source:Jamboree;Acc:XB-GENE-939804]	0.4942	0.0000
ENSXETG00000015687	OTX2	orthodenticle homeobox 2 [Source:Jamboree;Acc:XB-GENE-485220]	0.5879	0.0000
ENSXETG00000022059	P2RY11	purinergic receptor P2Y, G-protein coupled, 11 [Source:Jamboree;Acc:XB-GENE-6465757]	0.2103	0.0008
ENSXETG00000023193	P2RY4	pyrimidinergic receptor P2Y, G-protein coupled, 4 [Source:Jamboree;Acc:XB-GENE-943446]	0.2163	0.0012
ENSXETG00000012567	P4HA3	prolyl 4-hydroxylase, alpha polypeptide 3 [Source:Jamboree;Acc:XB-GENE-962355]	0.3430	0.0379
ENSXETG00000006635	PABPC1	poly(A) binding protein, cytoplasmic 1 [Source:Jamboree;Acc:XB-GENE-963457]	0.7162	0.0000
ENSXETG00000010418	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1 [Source:Jamboree;Acc:XB-GENE-5852172]	0.7948	0.0133
ENSXETG00000019626	PAH	phenylalanine hydroxylase [Source:Jamboree;Acc:XB-GENE-991085]	0.3380	0.0000
ENSXETG00000018364	PAQR4	progestin and adipoQ receptor family member IV [Source:Jamboree;Acc:XB-GENE-1013999]	0.7313	0.0003
ENSXETG00000022610	PARP1	poly (ADP-ribose) polymerase 1 [Source:Jamboree;Acc:XB-GENE-974935]	0.7450	0.0011
ENSXETG00000004190	PATZ1	POZ (BTB) and AT hook containing zinc finger 1 [Source:Jamboree;Acc:XB-GENE-976137]	0.8048	0.0107
ENSXETG00000007640	PAX3	paired box 3 [Source:Jamboree;Acc:XB-GENE-482740]	0.3151	0.0000
ENSXETG00000008175	PAX6	paired box 6 [Source:Jamboree;Acc:XB-GENE-484088]	0.7743	0.0103
ENSXETG00000018527	PAX7	paired box 7 [Source:Jamboree;Acc:XB-GENE-487140]	0.6479	0.0000
ENSXETG00000001272	PAX8	paired box 8 [Source:Jamboree;Acc:XB-GENE-483693]	0.5493	0.0102
ENSXETG00000020438	PBK	PDZ binding kinase [Source:Jamboree;Acc:XB-GENE-1017083]	0.1017	0.0000
ENSXETG00000010464	PBX1	pre-B-cell leukemia homeobox 1 [Source:Jamboree;Acc:XB-GENE-1217592]	0.8166	0.0230

ENSXETG00000005223	PBX2	pre-B-cell leukemia homeobox 2 [Source:Jamboree;Acc:XB-GENE-484669]	0.7385	0.0002
ENSXETG00000010491	PCBP2	poly(rC) binding protein 2 [Source:Jamboree;Acc:XB-GENE-5903797]	0.7603	0.0072
ENSXETG00000012658	PCBP3	poly(rC) binding protein 3 [Source:Jamboree;Acc:XB-GENE-944665]	0.8089	0.0096
ENSXETG00000013634	PCF11	PCF11, cleavage and polyadenylation factor subunit, homolog [Source:Jamboree;Acc:XB-GENE-5846364]	0.7454	0.0001
ENSXETG00000014608	PCK2	phosphoenolpyruvate carboxykinase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-974262]	0.3880	0.0007
ENSXETG00000020032	PDCD2L	programmed cell death 2-like [Source:Jamboree;Acc:XB-GENE-5805051]	0.5592	0.0011
ENSXETG00000025248	PDCD4	programmed cell death 4 (neoplastic transformation inhibitor) [Source:Jamboree;Acc:XB-GENE-959687]	0.6604	0.0000
ENSXETG00000006912	PDGFB	platelet-derived growth factor beta polypeptide [Source:Jamboree;Acc:XB-GENE-487583]	0.7883	0.0020
ENSXETG00000020289	PDK4	pyruvate dehydrogenase kinase, isozyme 4 [Source:Jamboree;Acc:XB-GENE-491645]	0.7834	0.0492
ENSXETG00000008826	PDLIM1	PDZ and LIM domain 1 [Source:Jamboree;Acc:XB-GENE-1004691]	0.4638	0.0000
ENSXETG00000016579	PDLIM4	PDZ and LIM domain 4 [Source:Jamboree;Acc:XB-GENE-1001790]	0.6800	0.0002
ENSXETG00000000401	PDZRN3	PDZ domain containing ring finger 3 [Source:Jamboree;Acc:XB-GENE-5817964]	0.5228	0.0362
ENSXETG00000009086	PER1	period homolog 1 [Source:Jamboree;Acc:XB-GENE-495464]	0.6434	0.0074
ENSXETG00000027782	PERP	PERP, TP53 apoptosis effector [Source:Jamboree;Acc:XB-GENE-876436]	0.7337	0.0291
ENSXETG00000012702	PFDN2	prefoldin subunit 2 [Source:Jamboree;Acc:XB-GENE-997342]	0.6029	0.0000
ENSXETG00000022029	PFKFB1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 [Source:Jamboree;Acc:XB-GENE-957710]	0.7537	0.0028
ENSXETG00000015309	PFN1	profilin 1 [Source:Jamboree;Acc:XB-GENE-5747742]	0.7397	0.0012
ENSXETG00000005049	PHACTR3	phosphatase and actin regulator 3 [Source:Jamboree;Acc:XB-GENE-493469]	0.5125	0.0006
ENSXETG00000020644	PHACTR4	phosphatase and actin regulator 4 [Source:Jamboree;Acc:XB-GENE-5930004]	0.7428	0.0001
ENSXETG00000022510	PHF17	PHD finger protein 17 [Source:Jamboree;Acc:XB-GENE-949213]	0.7629	0.0267
ENSXETG00000001031	PHF21A	PHD finger protein 21A [Source:Jamboree;Acc:XB-GENE-6032673]	0.6936	0.0000
ENSXETG00000003257	PHF21B	PHD finger protein 21B [Source:Jamboree;Acc:XB-GENE-969993]	0.6597	0.0000
ENSXETG00000011747	PHIP	pleckstrin homology domain interacting protein [Source:Jamboree;Acc:XB-GENE-988009]	0.7648	0.0052
ENSXETG00000021083	PHOX2B	paired-like homeobox 2b [Source:Jamboree;Acc:XB-GENE-1000415]	0.5832	0.0001
ENSXETG00000009544	PIF1	PIF1 5'-to-3' DNA helicase homolog [Source:Jamboree;Acc:XB-GENE-5924613]	0.0897	0.0000
ENSXETG00000012933	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (beta) [Source:Jamboree;Acc:XB-GENE-6077418]	0.7336	0.0010
ENSXETG00000000688	PINX1	PIN2/TERF1 interacting, telomerase inhibitor 1 [Source:Jamboree;Acc:XB-GENE-951063]	0.6314	0.0003
ENSXETG00000009467	PIPOX	pipecolic acid oxidase [Source:Jamboree;Acc:XB-GENE-1013122]	0.6179	0.0046
ENSXETG00000013330	PITX2	paired-like homeodomain 2 [Source:Jamboree;Acc:XB-GENE-482492]	0.5234	0.0000
ENSXETG00000010022	PITX3	paired-like homeodomain 3 [Source:Jamboree;Acc:XB-GENE-486162]	0.3875	0.0001
ENSXETG00000016464	PKDCC.1	protein kinase domain containing, cytoplasmic homolog, gene 1 [Source:Jamboree;Acc:XB-GENE-5993401]	0.4803	0.0114
ENSXETG00000013164	PKLR	pyruvate kinase, liver and RBC [Source:Jamboree;Acc:XB-GENE-5918041]	0.6728	0.0125
ENSXETG00000012867	PKN3	protein kinase N3 [Source:Jamboree;Acc:XB-GENE-6085008]	0.4435	0.0001
ENSXETG00000006706	PKP3	plakophilin 3 [Source:Jamboree;Acc:XB-GENE-489317]	0.3782	0.0000
ENSXETG00000025326	PLA2G2E	phospholipase A2, group IIE [Source:Jamboree;Acc:XB-GENE-5756014]	0.0599	0.0000
ENSXETG00000005654	PLAG1	pleiomorphic adenoma gene 1 [Source:Jamboree;Acc:XB-GENE-868443]	0.1907	0.0173
ENSXETG00000016792	PLAT	plasminogen activator, tissue [Source:Jamboree;Acc:XB-GENE-1010818]	0.5947	0.0090
ENSXETG00000007201	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific) [Source:Jamboree;Acc:XB-GENE-1008413]	0.4621	0.0000
ENSXETG00000008997	PLEKHA8	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8 [Source:Jamboree;Acc:XB-GENE-949914]	0.5728	0.0001
ENSXETG00000006669	PLEKHF2	pleckstrin homology domain containing, family F (with FYVE domain) member 2 [Source:Jamboree;Acc:XB-GENE-959911]	0.5796	0.0004
ENSXETG00000024941	PLEKHJ1	pleckstrin homology domain containing, family J member 1 [Source:Jamboree;Acc:XB-GENE-491518]	0.8139	0.0175
ENSXETG00000022522	PLK4	polo-like kinase 4 [Source:Jamboree;Acc:XB-GENE-493608]	0.1699	0.0000
ENSXETG00000007726	PLP2	proteolipid protein 2 (colonic epithelium-enriched) [Source:Jamboree;Acc:XB-GENE-1015503]	0.8053	0.0271
ENSXETG00000003677	PLS3	plastin 3 [Source:Jamboree;Acc:XB-GENE-922728]	0.7357	0.0024
ENSXETG00000007706	PLXNB3	plexin B3 [Source:Jamboree;Acc:XB-GENE-856492]	0.7711	0.0107
ENSXETG00000009439	PMEL	premelanosome protein [Source:Jamboree;Acc:XB-GENE-6454505]	0.1871	0.0000
ENSXETG00000010420	PMP2	peripheral myelin protein 2 [Source:Jamboree;Acc:XB-GENE-977969]	0.5483	0.0031
ENSXETG00000019579	PMP22	peripheral myelin protein 22 [Source:Jamboree;Acc:XB-GENE-1004858]	0.4949	0.0000
ENSXETG00000009885	PMS1	PMS1 postmeiotic segregation increased 1 [Source:Jamboree;Acc:XB-GENE-959881]	0.7114	0.0179
ENSXETG00000024066	PMS2	PMS2 postmeiotic segregation increased 2 [Source:Jamboree;Acc:XB-GENE-998793]	0.7907	0.0191
ENSXETG00000015774	PNN	pinin, desmosome associated protein [Source:Jamboree;Acc:XB-GENE-6258583]	0.6955	0.0075
ENSXETG00000017349	PNO1	partner of NOB1 homolog [Source:Jamboree;Acc:XB-GENE-491293]	0.4472	0.0000
ENSXETG00000021865	POC1B	POC1 centriolar protein homolog B (Chlamydomonas) [Source:Jamboree;Acc:XB-GENE-944930]	0.5496	0.0082
ENSXETG00000021824	POLA1	polymerase (DNA directed), alpha 1, catalytic subunit [Source:Jamboree;Acc:XB-GENE-1000548]	0.7317	0.0172
ENSXETG00000023289	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit) [Source:Jamboree;Acc:XB-GENE-5916783]	0.6131	0.0001
ENSXETG00000016151	POLE	polymerase (DNA directed), epsilon [Source:Jamboree;Acc:XB-GENE-1011589]	0.4371	0.0000
ENSXETG00000009123	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit) [Source:Jamboree;Acc:XB-GENE-973812]	0.4027	0.0000
ENSXETG00000017750	POLG	polymerase (DNA directed), gamma [Source:Jamboree;Acc:XB-GENE-478798]	0.6837	0.0092
ENSXETG00000012579	POLG2	polymerase (DNA directed), gamma 2, accessory subunit [Source:Jamboree;Acc:XB-GENE-1009985]	0.6956	0.0328
ENSXETG00000002388	POLN	polymerase (DNA directed) nu [Source:Jamboree;Acc:XB-GENE-988834]	0.6119	0.0000
ENSXETG00000009913	POLQ	polymerase (DNA directed), theta [Source:Jamboree;Acc:XB-GENE-996022]	0.4905	0.0007
ENSXETG00000013749	POLR1B	polymerase (RNA) I polypeptide B, 128kDa [Source:Jamboree;Acc:XB-GENE-1008539]	0.4493	0.0000
ENSXETG00000003291	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa [Source:Jamboree;Acc:XB-GENE-1005304]	0.7267	0.0022
ENSXETG00000017291	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H [Source:Jamboree;Acc:XB-GENE-491773]	0.7211	0.0160
ENSXETG00000025768	POLR2L.1	polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa, gene 1 [Source:Jamboree;Acc:XB-GENE-1003788]	0.5824	0.0006
ENSXETG00000018101	POLR3A	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa [Source:Jamboree;Acc:XB-GENE-1012749]	0.7680	0.0217
ENSXETG00000011053	POLR3GL	polymerase (RNA) III (DNA directed) polypeptide G (32kD)-like [Source:Jamboree;Acc:XB-GENE-945834]	0.6473	0.0073
ENSXETG00000017598	POP4	processing of precursor 4, ribonuclease P/MRP subunit [Source:Jamboree;Acc:XB-GENE-1009757]	0.6883	0.0036
ENSXETG00000011510	POU3F1	POU class 3 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853354]	0.6296	0.0000
ENSXETG00000028057	POU3F2	POU class 3 homeobox 2 [Source:Jamboree;Acc:XB-GENE-483174]	0.5824	0.0000
ENSXETG00000014504	POU3F4	POU class 3 homeobox 4 [Source:Jamboree;Acc:XB-GENE-479667]	0.7358	0.0002
ENSXETG00000017814	POU4F1	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853139]	0.7279	0.0011
ENSXETG00000018386	POU4F1.2	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-5996034]	0.5473	0.0000
ENSXETG00000006145	PPA2	pyrophosphatase (inorganic) 2 [Source:Jamboree;Acc:XB-GENE-961143]	0.6750	0.0000
ENSXETG00000026886	PPAP2C	phosphatidic acid phosphatase type 2C [Source:Jamboree;Acc:XB-GENE-5816438]	0.5409	0.0000
ENSXETG00000012711	PPARGC1B	peroxisome proliferator-activated receptor gamma, coactivator 1 beta [Source:Jamboree;Acc:XB-GENE-1004403]	0.6831	0.0288
ENSXETG00000017097	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1 [Source:Jamboree;Acc:XB-GENE-963801]	0.6958	0.0013
ENSXETG00000013514	PPM1D	protein phosphatase, Mg2+/Mn2+ dependent, 1D [Source:Jamboree;Acc:XB-GENE-1011380]	0.7805	0.0324
ENSXETG00000000341	PPM1K	protein phosphatase, Mg2+/Mn2+ dependent, 1K [Source:Jamboree;Acc:XB-GENE-956545]	0.7672	0.0132
ENSXETG00000017673	PPOX	protoporphyrinogen oxidase [Source:Jamboree;Acc:XB-GENE-1010029]	0.7437	0.0269
ENSXETG00000009689	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isozyme [Source:Jamboree;Acc:XB-GENE-5948033]	0.7993	0.0212
ENSXETG00000017095	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B [Source:Jamboree;Acc:XB-GENE-5738329]	0.6564	0.0097
ENSXETG00000000157	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A [Source:Jamboree;Acc:XB-GENE-489487]	0.6626	0.0001
ENSXETG00000007199	PPP1R14B	protein phosphatase 1, regulatory (inhibitor) subunit 14B [Source:Jamboree;Acc:XB-GENE-485314]	0.6042	0.0000
ENSXETG00000010159	PPP2R2A	protein phosphatase 2, regulatory subunit B, alpha [Source:Jamboree;Acc:XB-GENE-971147]	0.8183	0.0276
ENSXETG00000020670	PPP4C	protein phosphatase 4, catalytic subunit [Source:Jamboree;Acc:XB-GENE-970535]	0.7775	0.0073
ENSXETG00000004042	PPP4R1	protein phosphatase 4, regulatory subunit 1 [Source:Jamboree;Acc:XB-GENE-945302]	0.7952	0.0286
ENSXETG00000015449	PRC1	protein regulator of cytokinesis 1 [Source:Jamboree;Acc:XB-GENE-963901]	0.1530	0.0000
ENSXETG00000004763	PRDX2	peroxiredoxin 2 [Source:Jamboree;Acc:XB-GENE-945852]	0.8076	0.0398
ENSXETG00000027124	PRELID2	PRELI domain containing 2 [Source:Jamboree;Acc:XB-GENE-943679]	0.3302	0.0000
ENSXETG00000025421	PRIM1	primase, DNA, polypeptide 1 (49kDa) [Source:Jamboree;Acc:XB-GENE-969075]	0.5209	0.0000
ENSXETG00000004450	PRIM2	primase, DNA, polypeptide 2 (58kDa) [Source:Jamboree;Acc:XB-GENE-1004020]	0.5148	0.0000
ENSXETG00000010248	PRKD1	protein kinase D1 [Source:Jamboree;Acc:XB-GENE-487626]	0.5779	0.0000
ENSXETG00000022626	PRMT5	protein arginine methyltransferase 5 [Source:Jamboree;Acc:XB-GENE-975034]	0.7670	0.0060
ENSXETG00000021664	PRODH	proline dehydrogenase (oxidase) 1 [Source:Jamboree;Acc:XB-GENE-5866533]	0.5304	0.0000
ENSXETG00000004342	PROM2	prominin 2 [Source:Jamboree;Acc:XB-GENE-853506]	0.3734	0.0072
ENSXETG00000021713	PRPF40A	PRP40 pre-mRNA processing factor 40 homolog A [Source:Jamboree;Acc:XB-GENE-988694]	0.7678	0.0047
ENSXETG00000011188	PRPH	peripherin [Source:Jamboree;Acc:XB-GENE-493857]	0.5665	0.0000
ENSXETG00000026988	PRR11	proline rich 11 [Source:Jamboree;Acc:XB-GENE-942986]	0.2139	0.0000
ENSXETG00000022636	PRSS35	protease, serine, 35 [Source:Jamboree;Acc:XB-GENE-991610]	0.5835	0.0000
ENSXETG00000021647	PRTN3	proteinase 3 [Source:Jamboree;Acc:XB-GENE-5805214]	0.3666	0.0027
ENSXETG00000003623	PSAT1	phosphoserine aminotransferase 1 [Source:Jamboree;Acc:XB-GENE-1016013]	0.4380	0.0000
ENSXETG00000021040	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6 [Source:Jamboree;Acc:XB-GENE-6257763]	0.2475	0.0005
ENSXETG00000009986	PSMC3IP	PSMC3 interacting protein [Source:Jamboree;Acc:XB-GENE-987670]	0.6627	0.0078

ENSXETG00000009522	PSMD1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1 [Source:Jamboree;Acc:XB-GENE-989959]	0.8383	0.0500
ENSXETG00000010074	PSPH	phosphoserine phosphatase [Source:Jamboree;Acc:XB-GENE-953316]	0.4891	0.0057
ENSXETG00000021661	PTBP1	polypyrimidine tract binding protein 1 [Source:Jamboree;Acc:XB-GENE-5818206]	0.6226	0.0000
ENSXETG00000009891	PTCD1	pentatricopeptide repeat domain 1 [Source:Jamboree;Acc:XB-GENE-940576]	0.7001	0.0110
ENSXETG00000017970	PTCD3	Pentatricopeptide repeat domain 3 [Source:Jamboree;Acc:XB-GENE-961480]	0.7966	0.0385
ENSXETG00000014834	PTCH1	patched 1 [Source:Jamboree;Acc:XB-GENE-488222]	0.7489	0.0023
ENSXETG00000018892	PTCH2	patched 2 [Source:Jamboree;Acc:XB-GENE-1033868]	0.6345	0.0000
ENSXETG00000024683	PTGR1.1	prostaglandin reductase 1, gene 1 [Source:Jamboree;Acc:XB-GENE-5789488]	0.1549	0.0000
ENSXETG00000023764	PTK2	PTK2 protein tyrosine kinase 2 [Source:Jamboree;Acc:XB-GENE-952025]	0.7523	0.0015
ENSXETG00000022757	PTMA	prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-978347]	0.7944	0.0045
ENSXETG00000023744	PTP4A3	protein tyrosine phosphatase type IVA, member 3 [Source:Jamboree;Acc:XB-GENE-943078]	0.7883	0.0263
ENSXETG00000012288	PTPN1	protein tyrosine phosphatase, non-receptor type 1 [Source:Jamboree;Acc:XB-GENE-950442]	0.7608	0.0067
ENSXETG00000019728	PTPN12	protein tyrosine phosphatase, non-receptor type 12 [Source:Jamboree;Acc:XB-GENE-942122]	0.7437	0.0033
ENSXETG00000012558	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase) [Source:Jamboree;Acc:XB-GENE-939886]	0.7116	0.0006
ENSXETG00000011378	PTPRB	protein tyrosine phosphatase, receptor type, B [Source:Jamboree;Acc:XB-GENE-991728]	0.7758	0.0319
ENSXETG00000012244	PTX3	pentraxin 3, long [Source:HGNC Symbol;Acc:HGNC:9692]	0.2173	0.0000
ENSXETG00000002210	PUS10	pseudouridylate synthase 10 [Source:Jamboree;Acc:XB-GENE-5903759]	0.5896	0.0002
ENSXETG00000027606	PVALB	parvalbumin [Source:RefSeq peptide;Acc:NP_001011134]	0.0373	0.0000
ENSXETG00000024780	PXMP2	peroxisomal membrane protein 2, 22kDa [Source:Jamboree;Acc:XB-GENE-951886]	0.7538	0.0155
ENSXETG00000012201	PXN	paxillin [Source:Jamboree;Acc:XB-GENE-941407]	0.6060	0.0002
ENSXETG00000005381	PYCR1	pyrroline-5-carboxylate reductase family, member 1 [Source:Jamboree;Acc:XB-GENE-1016046]	0.7703	0.0090
ENSXETG00000018402	PYROXD2	pyridine nucleotide-disulphide oxidoreductase domain 2 [Source:Jamboree;Acc:XB-GENE-5957023]	0.6777	0.0328
ENSXETG00000009351	QARS	glutaminyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5802152]	0.5209	0.0000
ENSXETG00000020729	RAB13	RAB13, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-6070728]	0.6323	0.0000
ENSXETG00000014011	RAB1A	RAB1A, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-485527]	0.7702	0.0003
ENSXETG00000007375	RAB27A	RAB27A, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-490563]	0.5470	0.0189
ENSXETG00000013383	RACGAP1	Rac GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-943983]	0.2042	0.0000
ENSXETG00000015951	RAD51	RAD51 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-1016881]	0.3009	0.0000
ENSXETG00000011389	RAD51AP1	RAD51 associated protein 1 [Source:Jamboree;Acc:XB-GENE-963252]	0.0953	0.0000
ENSXETG00000025924	RAD54B	RAD54 homolog B [Source:Jamboree;Acc:XB-GENE-5839240]	0.6176	0.0017
ENSXETG00000000696	RAI14	retinoic acid induced 14 [Source:Jamboree;Acc:XB-GENE-979322]	0.5852	0.0000
ENSXETG00000027832	RAN	RAN, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-489468]	0.7715	0.0021
ENSXETG00000006324	RANBP1	RAN binding protein 1 [Source:Jamboree;Acc:XB-GENE-490910]	0.6935	0.0000
ENSXETG00000025475	RANBP3	RAN binding protein 3 [Source:Jamboree;Acc:XB-GENE-495073]	0.8003	0.0118
ENSXETG00000009048	RAPSN	receptor-associated protein of the synapse [Source:Jamboree;Acc:XB-GENE-990995]	0.5610	0.0204
ENSXETG00000015491	RASEF	RAS and EF-hand domain containing [Source:Jamboree;Acc:XB-GENE-5734494]	0.2894	0.0066
ENSXETG00000002821	RASGRP4	RAS guanyl releasing protein 4 [Source:Jamboree;Acc:XB-GENE-494330]	0.3379	0.0004
ENSXETG00000000156	RASIP1	Ras interacting protein 1 [Source:Jamboree;Acc:XB-GENE-6033970]	0.6476	0.0388
ENSXETG00000007332	RASSF1	Ras association (RalGDS/AF-6) domain family member 1 [Source:Jamboree;Acc:XB-GENE-494691]	0.6630	0.0013
ENSXETG00000023554	RASSF4	Ras association (RalGDS/AF-6) domain family member 4 [Source:Jamboree;Acc:XB-GENE-493110]	0.7902	0.0455
ENSXETG00000023392	RASSF6	Ras association (RalGDS/AF-6) domain family member 6 [Source:Jamboree;Acc:XB-GENE-489587]	0.5200	0.0193
ENSXETG00000006038	RASSF7	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7 [Source:Jamboree;Acc:XB-GENE-956640]	0.2505	0.0000
ENSXETG00000011622	RAVER1	ribonucleoprotein, PTB-binding 1 [Source:Jamboree;Acc:XB-GENE-1007876]	0.7763	0.0403
ENSXETG00000024429	RBBP6	retinoblastoma binding protein 6 [Source:Jamboree;Acc:XB-GENE-6456653]	0.7619	0.0332
ENSXETG00000007414	RBL1	retinoblastoma-like 1 (p107) [Source:Jamboree;Acc:XB-GENE-976494]	0.7324	0.0071
ENSXETG00000000072	RBM15B	RNA binding motif protein 15B [Source:Jamboree;Acc:XB-GENE-961063]	0.7624	0.0049
ENSXETG00000017668	RBM19	RNA binding motif protein 19 [Source:Jamboree;Acc:XB-GENE-922190]	0.6067	0.0012
ENSXETG00000020435	RBM22	RNA binding motif protein 22 [Source:Jamboree;Acc:XB-GENE-971198]	0.7641	0.0063
ENSXETG00000021857	RBM25	RNA binding motif protein 25 [Source:Jamboree;Acc:XB-GENE-490152]	0.8159	0.0107
ENSXETG00000009271	RBM28	RNA binding motif protein 28 [Source:Jamboree;Acc:XB-GENE-919947]	0.7770	0.0105
ENSXETG00000007434	RBM39	RNA binding motif protein 39 [Source:Jamboree;Acc:XB-GENE-492226]	0.8361	0.0345
ENSXETG00000003731	RBP4	retinol binding protein 4, plasma [Source:Jamboree;Acc:XB-GENE-5841608]	0.4181	0.0000
ENSXETG00000012969	RCC1	regulator of chromosome condensation 1 [Source:Jamboree;Acc:XB-GENE-979094]	0.4123	0.0000
ENSXETG00000008174	RCN1	reticulocalbin 1, EF-hand calcium binding domain [Source:Jamboree;Acc:XB-GENE-490301]	0.6523	0.0032
ENSXETG00000011825	RDH10	retinol dehydrogenase 10 (all-trans) [Source:Jamboree;Acc:XB-GENE-944961]	0.7373	0.0080
ENSXETG00000016582	RECQL4	RecQ protein-like 4 [Source:Jamboree;Acc:XB-GENE-997814]	0.3091	0.0000
ENSXETG00000018465	RELL1	RELT-like 1 [Source:Jamboree;Acc:XB-GENE-956587]	0.4527	0.0084
ENSXETG00000018234	RFC2	replication factor C (activator 1) 2, 40kDa [Source:Jamboree;Acc:XB-GENE-999114]	0.7108	0.0033
ENSXETG00000019391	RFC4	replication factor C (activator 1) 4, 37kDa [Source:Jamboree;Acc:XB-GENE-955724]	0.6818	0.0005
ENSXETG00000005567	RFX1	regulatory factor X, 1 (influences HLA class II expression) [Source:Jamboree;Acc:XB-GENE-994757]	0.6980	0.0000
ENSXETG00000014145	RFX4	regulatory factor X, 4 (influences HLA class II expression) [Source:Jamboree;Acc:XB-GENE-1018509]	0.5663	0.0000
ENSXETG00000027541	RFX5	regulatory factor X, 5 (influences HLA class II expression) [Source:Jamboree;Acc:XB-GENE-5942579]	0.7804	0.0328
ENSXETG00000016747	RGL3	ral guanine nucleotide dissociation stimulator-like 3 [Source:Jamboree;Acc:XB-GENE-493046]	0.7393	0.0191
ENSXETG00000024669	RGS16	regulator of G-protein signaling 16 [Source:Jamboree;Acc:XB-GENE-5753967]	0.6515	0.0002
ENSXETG00000003427	RHBDD2	rhomboid domain containing 2 [Source:Jamboree;Acc:XB-GENE-1000874]	0.6314	0.0017
ENSXETG00000019898	RHBG	Rh family, B glycoprotein [Source:Jamboree;Acc:XB-GENE-1009286]	0.1101	0.0003
ENSXETG00000011180	RHEBL1	Ras homolog enriched in brain like 1 [Source:Jamboree;Acc:XB-GENE-493839]	0.1778	0.0259
ENSXETG00000004530	RIF1	rap1 interacting factor homolog [Source:Jamboree;Acc:XB-GENE-920162]	0.7674	0.0141
ENSXETG00000010292	RIN3	Ras and Rab interactor 3 [Source:Jamboree;Acc:XB-GENE-488895]	0.7385	0.0298
ENSXETG00000020436	RIOK1	RIO kinase 1 [Source:Jamboree;Acc:XB-GENE-492176]	0.6868	0.0031
ENSXETG00000016219	RNASET2	ribonuclease T2 [Source:Jamboree;Acc:XB-GENE-944135]	0.6283	0.0000
ENSXETG00000025335	RND3	Rho family GTPase 3 [Source:Jamboree;Acc:XB-GENE-495412]	0.7923	0.0156
ENSXETG00000003029	RNF169	ring finger protein 169 [Source:Jamboree;Acc:XB-GENE-6047625]	0.7288	0.0087
ENSXETG00000014618	RNF31	ring finger protein 31 [Source:Jamboree;Acc:XB-GENE-968731]	0.7311	0.0020
ENSXETG00000005384	RNGTT	RNA guanylyltransferase and 5'-phosphatase [Source:Jamboree;Acc:XB-GENE-947367]	0.8197	0.0251
ENSXETG00000009272	RNLS	renalase, FAD-dependent amine oxidase [Source:Jamboree;Acc:XB-GENE-5831223]	0.6730	0.0213
ENSXETG00000003938	ROBO3	roundabout, axon guidance receptor, homolog 3 [Source:Jamboree;Acc:XB-GENE-1032334]	0.7772	0.0078
ENSXETG00000003937	ROBO4	roundabout homolog 4, magic roundabout [Source:Jamboree;Acc:XB-GENE-955396]	0.5205	0.0000
ENSXETG00000002225	ROD1	ROD1 regulator of differentiation 1 [Source:Jamboree;Acc:XB-GENE-988703]	0.8181	0.0383
ENSXETG00000008642	RPF1	ribosome production factor 1 homolog [Source:Jamboree;Acc:XB-GENE-5777492]	0.5439	0.0000
ENSXETG00000010878	RPL10	ribosomal protein L10 [Source:Jamboree;Acc:XB-GENE-970510]	0.6274	0.0005
ENSXETG00000012374	RPL10A	ribosomal protein L10a [Source:Jamboree;Acc:XB-GENE-974206]	0.6017	0.0000
ENSXETG00000001178	RPL11	ribosomal protein L11 [Source:Jamboree;Acc:XB-GENE-1000977]	0.5439	0.0000
ENSXETG00000022018	RPL14	ribosomal protein L14 [Source:Jamboree;Acc:XB-GENE-5819035]	0.6579	0.0138
ENSXETG00000003164	RPL18	ribosomal protein L18 [Source:Jamboree;Acc:XB-GENE-1006303]	0.5435	0.0000
ENSXETG00000021667	RPL18A	ribosomal protein L18a [Source:Jamboree;Acc:XB-GENE-5774784]	0.6030	0.0000
ENSXETG00000009802	RPL21	ribosomal protein L21 [Source:Jamboree;Acc:XB-GENE-979608]	0.6130	0.0001
ENSXETG00000002914	RPL22	ribosomal protein L22 [Source:Jamboree;Acc:XB-GENE-978439]	0.5979	0.0001
ENSXETG00000009154	RPL22L1	ribosomal protein L22-like 1 [Source:Jamboree;Acc:XB-GENE-6073103]	0.6358	0.0000
ENSXETG00000023719	RPL23	ribosomal protein L23 [Source:Jamboree;Acc:XB-GENE-958306]	0.5247	0.0003
ENSXETG00000026189	RPL23A	ribosomal protein L23a [Source:Jamboree;Acc:XB-GENE-5891038]	0.5431	0.0000
ENSXETG00000003912	RPL27A	ribosomal protein L27a [Source:Jamboree;Acc:XB-GENE-5853519]	0.7463	0.0003
ENSXETG00000000132	RPL28	ribosomal protein L28 [Source:Jamboree;Acc:XB-GENE-1016753]	0.5704	0.0008
ENSXETG00000010811	RPL29	ribosomal protein L29 [Source:Jamboree;Acc:XB-GENE-5789751]	0.6198	0.0015
ENSXETG00000006914	RPL3	ribosomal protein L3 [Source:Jamboree;Acc:XB-GENE-971703]	0.5617	0.0000
ENSXETG00000015507	RPL32	ribosomal protein L32 [Source:Jamboree;Acc:XB-GENE-948155]	0.5170	0.0289
ENSXETG00000021095	RPL34	ribosomal protein L34 [Source:Jamboree;Acc:XB-GENE-957318]	0.5954	0.0015
ENSXETG00000027840	RPL36	ribosomal protein L36 [Source:Jamboree;Acc:XB-GENE-969192]	0.5314	0.0000
ENSXETG00000018150	RPL36A	ribosomal protein L36a [Source:Jamboree;Acc:XB-GENE-974799]	0.4941	0.0006
ENSXETG00000027024	RPL37	ribosomal protein L37 [Source:Jamboree;Acc:XB-GENE-956873]	0.6971	0.0000
ENSXETG00000015468	RPL37A	ribosomal protein L37a [Source:Jamboree;Acc:XB-GENE-5811555]	0.5753	0.0001
ENSXETG00000015898	RPL4	ribosomal protein L4 [Source:Jamboree;Acc:XB-GENE-968395]	0.5850	0.0000
ENSXETG00000023004	RPL5	ribosomal protein L5 [Source:Jamboree;Acc:XB-GENE-983912]	0.5920	0.0000
ENSXETG00000004304	RPL6	ribosomal protein L6 [Source:Jamboree;Acc:XB-GENE-958284]	0.6190	0.0000
ENSXETG00000025457	RPL7	ribosomal protein L7 [Source:Jamboree;Acc:XB-GENE-954734]	0.5701	0.0001

ENSXETG00000005009	RPL7A	ribosomal protein L7a [Source:Jamboree;Acc:XB-GENE-959321]	0.5661	0.0002
ENSXETG00000015483	RPL8	ribosomal protein L8 [Source:Jamboree;Acc:XB-GENE-482209]	0.7101	0.0002
ENSXETG00000012856	RPL9	ribosomal protein L9 [Source:Jamboree;Acc:XB-GENE-964745]	0.5712	0.0001
ENSXETG00000019024	RPLP2	ribosomal protein, large, P2 [Source:Jamboree;Acc:XB-GENE-944337]	0.5711	0.0000
ENSXETG00000018652	RPRD2	regulation of nuclear pre-mRNA domain containing 2 [Source:Jamboree;Acc:XB-GENE-6257583]	0.8197	0.0487
ENSXETG00000015129	RPS10	ribosomal protein S10 [Source:Jamboree;Acc:XB-GENE-969777]	0.5500	0.0000
ENSXETG00000014146	RPS11	ribosomal protein S11 [Source:Jamboree;Acc:XB-GENE-5893562]	0.6440	0.0003
ENSXETG00000000109	RPS12	ribosomal protein S12 [Source:Jamboree;Acc:XB-GENE-972800]	0.5054	0.0000
ENSXETG00000026454	RPS13	ribosomal protein S13 [Source:Jamboree;Acc:XB-GENE-940105]	0.5413	0.0003
ENSXETG00000003706	RPS15	ribosomal protein S15 [Source:Jamboree;Acc:XB-GENE-5832673]	0.5324	0.0002
ENSXETG00000002942	RPS15A	ribosomal protein S15a [Source:Jamboree;Acc:XB-GENE-981311]	0.5710	0.0000
ENSXETG00000020394	RPS18	ribosomal protein S18 [Source:Jamboree;Acc:XB-GENE-488842]	0.5865	0.0000
ENSXETG00000025510	RPS19	ribosomal protein S19 [Source:Jamboree;Acc:XB-GENE-968799]	0.5400	0.0000
ENSXETG00000002012	RPS21	ribosomal protein S21 [Source:Jamboree;Acc:XB-GENE-1007930]	0.5464	0.0004
ENSXETG00000018137	RPS24	ribosomal protein S24 [Source:Jamboree;Acc:XB-GENE-967645]	0.6276	0.0001
ENSXETG00000024836	RPS27	ribosomal protein S27 [Source:Jamboree;Acc:XB-GENE-5953676]	0.5565	0.0000
ENSXETG00000027734	RPS29	ribosomal protein S29 [Source:Jamboree;Acc:XB-GENE-1016214]	0.5558	0.0001
ENSXETG00000010729	RPS3	ribosomal protein S3 [Source:Jamboree;Acc:XB-GENE-978298]	0.5540	0.0000
ENSXETG00000009396	RPS3A	ribosomal protein S3A [Source:Jamboree;Acc:XB-GENE-976731]	0.7690	0.0006
ENSXETG00000023100	RPS6	ribosomal protein S6 [Source:Jamboree;Acc:XB-GENE-1003287]	0.5682	0.0000
ENSXETG00000010285	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3 [Source:Jamboree;Acc:XB-GENE-480947]	0.7903	0.0130
ENSXETG00000014506	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6 [Source:Jamboree;Acc:XB-GENE-487733]	0.6917	0.0000
ENSXETG00000010731	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-482409]	0.8176	0.0249
ENSXETG00000009030	RPS9	ribosomal protein S9 [Source:Jamboree;Acc:XB-GENE-5930153]	0.8419	0.0305
ENSXETG00000019685	RRAS2	related RAS viral (r-ras) oncogene homolog 2 [Source:HGNC Symbol;Acc:HGNC:17271]	0.7668	0.0086
ENSXETG00000015435	RREB1	ras responsive element binding protein 1 [Source:Jamboree;Acc:XB-GENE-492150]	0.5564	0.0456
ENSXETG00000024113	RRH	retinal pigment epithelium-derived rhodopsin homolog [Source:Jamboree;Acc:XB-GENE-6076482]	0.1639	0.0000
ENSXETG00000003999	RRM1	ribonucleotide reductase M1 [Source:Jamboree;Acc:XB-GENE-1014077]	0.3223	0.0000
ENSXETG00000003527	RRM2.1	ribonucleotide reductase M2, gene 1 [Source:Jamboree;Acc:XB-GENE-947052]	0.1238	0.0000
ENSXETG00000003430	RRP12	ribosomal RNA processing 12 homolog [Source:Jamboree;Acc:XB-GENE-993600]	0.7612	0.0113
ENSXETG00000013414	RRP7A	ribosomal RNA processing 7 homolog A [Source:Jamboree;Acc:XB-GENE-966048]	0.6755	0.0309
ENSXETG00000007376	RSL24D1	ribosomal L24 domain containing 1 [Source:Jamboree;Acc:XB-GENE-979826]	0.6210	0.0002
ENSXETG00000014056	RTKN2	rhotekin 2 [Source:Jamboree;Acc:XB-GENE-993318]	0.3932	0.0000
ENSXETG00000002064	RUVBL1	RuvB-like 1 [Source:Jamboree;Acc:XB-GENE-486361]	0.7572	0.0103
ENSXETG00000025105	RUVBL2	RuvB-like 2 [Source:Jamboree;Acc:XB-GENE-483344]	0.7639	0.0306
ENSXETG00000002554	RXFP3	relaxin/insulin-like family peptide receptor 3 [Source:Jamboree;Acc:XB-GENE-478939]	0.5632	0.0000
ENSXETG00000011640	S1PR5	sphingosine-1-phosphate receptor 5 [Source:Jamboree;Acc:XB-GENE-5902381]	0.4393	0.0000
ENSXETG00000018417	SALL1	sal-like 1 [Source:Jamboree;Acc:XB-GENE-491393]	0.4506	0.0000
ENSXETG00000017176	SALL2	sal-like 2 [Source:Jamboree;Acc:XB-GENE-494377]	0.4070	0.0000
ENSXETG00000012326	SALL4	sal-like 4 [Source:Jamboree;Acc:XB-GENE-485252]	0.1697	0.0000
ENSXETG00000023098	SARDH	sarcosine dehydrogenase [Source:Jamboree;Acc:XB-GENE-6038613]	0.6483	0.0105
ENSXETG00000008009	SARS	seryl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-969040]	0.7265	0.0170
ENSXETG00000029703	SCARNA16	Small Cajal body specific RNA 16 [Source:RFAM;Acc:RF00424]	0.5025	0.0449
ENSXETG00000029871	SCARNA4	Small Cajal body specific RNA 4 [Source:RFAM;Acc:RF00423]	0.8197	0.0257
ENSXETG00000011333	SCIN	scinderin [Source:Jamboree;Acc:XB-GENE-957027]	0.5949	0.0347
ENSXETG00000018954	SCNN1A	sodium channel, nonvoltage-gated 1 alpha [Source:Jamboree;Acc:XB-GENE-996083]	0.1863	0.0009
ENSXETG00000004424	SCUBE2	signal peptide, CUB domain, EGF-like 2 [Source:Jamboree;Acc:XB-GENE-5945055]	0.3570	0.0000
ENSXETG00000022838	SDC4	syndecan 4 [Source:Jamboree;Acc:XB-GENE-5727116]	0.3444	0.0000
ENSXETG00000020722	SELENBP1	selenium binding protein 1 [Source:Jamboree;Acc:XB-GENE-959074]	0.5107	0.0000
ENSXETG00000007179	SEMA3F	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F precursor [Source:RefSeq peptide;Acc:NP_001006924]	0.8377	0.0352
ENSXETG00000012021	SEMA5B	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B [Source:Jamboree;Acc:XB-GENE-959729]	0.7301	0.0004
ENSXETG00000009151	SEPT12	septin 12 [Source:Jamboree;Acc:XB-GENE-5894593]	0.6018	0.0000
ENSXETG00000018605	SEPT2-A	Septin-2A [Source:UniProtKB/Swiss-Prot;Acc:Q5BKN4]	0.7680	0.0033
ENSXETG00000000261	SEPT3	septin 3 [Source:Jamboree;Acc:XB-GENE-1002286]	0.7287	0.0000
ENSXETG00000012394	SERBP1	SERPINE1 mRNA binding protein 1 [Source:Jamboree;Acc:XB-GENE-494265]	0.7263	0.0010
ENSXETG00000018832	SERP1	stress-associated endoplasmic reticulum protein 1 [Source:Jamboree;Acc:XB-GENE-1004958]	0.6830	0.0001
ENSXETG00000027686	SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1 [Source:Jamboree;Acc:XB-GENE-945026]	0.3504	0.0000
ENSXETG00000021286	SESN1	sestrin 1 [Source:Jamboree;Acc:XB-GENE-491636]	0.7774	0.0025
ENSXETG00000001921	SETD1A	SET domain containing 1A [Source:Jamboree;Acc:XB-GENE-6046043]	0.8163	0.0077
ENSXETG00000005820	SETD8	SET domain containing (lysine methyltransferase) 8 [Source:Jamboree;Acc:XB-GENE-489177]	0.7800	0.0214
ENSXETG00000008434	SF1	splicing factor 1 [Source:Jamboree;Acc:XB-GENE-994148]	0.7208	0.0000
ENSXETG00000024943	SF3A2	splicing factor 3a, subunit 2, 66kDa [Source:Jamboree;Acc:XB-GENE-492856]	0.7437	0.0040
ENSXETG00000022923	SF3A3	splicing factor 3a, subunit 3, 60kDa [Source:Jamboree;Acc:XB-GENE-947674]	0.6286	0.0000
ENSXETG00000008422	SF3B2	splicing factor 3b, subunit 2, 145kDa [Source:Jamboree;Acc:XB-GENE-5875780]	0.7946	0.0298
ENSXETG00000007776	SFRP1	secreted frizzled-related protein 1 [Source:Jamboree;Acc:XB-GENE-488230]	0.5357	0.0113
ENSXETG00000026087	SFRP2	secreted frizzled-related protein 2 [Source:Jamboree;Acc:XB-GENE-485147]	0.4014	0.0000
ENSXETG00000015227	SFXN2	sideroflexin 2 [Source:Jamboree;Acc:XB-GENE-956699]	0.4787	0.0000
ENSXETG00000017090	SGK223	homolog of rat pragma of Rnd2 [Source:Jamboree;Acc:XB-GENE-5933625]	0.4957	0.0017
ENSXETG00000019651	SGSH	N-sulfoglucosamine sulfohydrolase [Source:Jamboree;Acc:XB-GENE-1005174]	0.6594	0.0036
ENSXETG00000012330	SH3BGRL3	SH3 domain binding glutamic acid-rich protein like 3 [Source:Jamboree;Acc:XB-GENE-965976]	0.8124	0.0095
ENSXETG00000018790	SH3PXD2B	SH3 and PX domains 2B [Source:Jamboree;Acc:XB-GENE-1009043]	0.7704	0.0110
ENSXETG00000008782	SHC4	SHC (Src homology 2 domain containing) family, member 4 [Source:Jamboree;Acc:XB-GENE-490134]	0.2681	0.0001
ENSXETG00000017069	SHCBP1	SHC SH2-domain binding protein 1 [Source:Jamboree;Acc:XB-GENE-5807675]	0.4590	0.0000
ENSXETG00000024151	SHD	Src homology 2 domain containing transforming protein D [Source:Jamboree;Acc:XB-GENE-492409]	0.1932	0.0000
ENSXETG00000013504	SHH	sonic hedgehog [Source:Jamboree;Acc:XB-GENE-488039]	0.5012	0.0000
ENSXETG00000021072	SHISA3	shisa 3 [Source:Jamboree;Acc:XB-GENE-939878]	0.5256	0.0002
ENSXETG00000017162	SHMT2	serine hydroxymethyltransferase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-957476]	0.7846	0.0118
ENSXETG00000016879	SHOX	short stature homeobox [Source:Jamboree;Acc:XB-GENE-920752]	0.8172	0.0362
ENSXETG00000014058	SHOX2	short stature homeobox 2 [Source:Jamboree;Acc:XB-GENE-480993]	0.7259	0.0006
ENSXETG00000019941	SHROOM3	shroom family member 3 [Source:Jamboree;Acc:XB-GENE-490224]	0.3497	0.0000
ENSXETG00000021446	SIKE1	suppressor of IKBKE 1 [Source:Jamboree;Acc:XB-GENE-1003385]	0.8100	0.0479
ENSXETG00000024697	SIVA1	SIVA1, apoptosis-inducing factor [Source:Jamboree;Acc:XB-GENE-5854215]	0.4001	0.0000
ENSXETG00000009595	SKA3	spindle and kinetochore associated complex subunit 3 [Source:Jamboree;Acc:XB-GENE-994918]	0.3895	0.0000
ENSXETG00000007811	SKOR1	SKI family transcriptional corepressor 1 [Source:Jamboree;Acc:XB-GENE-877133]	0.5933	0.0005
ENSXETG00000003876	SLBP	stem-loop binding protein [Source:Jamboree;Acc:XB-GENE-480369]	0.6476	0.0000
ENSXETG00000012551	SLC10A6	solute carrier family 10 (sodium/bile acid cotransporter family), member 6 [Source:Jamboree;Acc:XB-GENE-988401]	0.7311	0.0011
ENSXETG00000005430	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4 [Source:Jamboree;Acc:XB-GENE-1014107]	0.6009	0.0000
ENSXETG00000018275	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5 [Source:Jamboree;Acc:XB-GENE-482596]	0.5184	0.0007
ENSXETG00000018957	SLC20A1	solute carrier family 20 (phosphate transporter), member 1 [Source:Jamboree;Acc:XB-GENE-482940]	0.6838	0.0000
ENSXETG00000012316	SLC25A21	solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21 [Source:Jamboree;Acc:XB-GENE-943812]	0.6226	0.0000
ENSXETG00000015362	SLC25A22	solute carrier family 25 (mitochondrial carrier: glutamate), member 22 [Source:RefSeq peptide;Acc:NP_001005430]	0.7299	0.0276
ENSXETG00000026347	SLC25A28	solute carrier family 25, member 28 [Source:Jamboree;Acc:XB-GENE-967691]	0.8262	0.0308
ENSXETG00000018767	SLC25A3	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3 [Source:Jamboree;Acc:XB-GENE-489634]	0.8435	0.0346
ENSXETG00000005733	SLC25A34	solute carrier family 25, member 34 [Source:Jamboree;Acc:XB-GENE-5994554]	0.4592	0.0071
ENSXETG00000006224	SLC26A10	solute carrier family 26, member 10 [Source:Jamboree;Acc:XB-GENE-6043616]	0.2776	0.0010
ENSXETG00000012233	SLC26A3.1	solute carrier family 26, member 3, gene 1 [Source:Jamboree;Acc:XB-GENE-855719]	0.1837	0.0013
ENSXETG00000012196	SLC26A4	solute carrier family 26, member 4 [Source:Jamboree;Acc:XB-GENE-950380]	0.2050	0.0000
ENSXETG00000021580	SLC2A7	solute carrier family 2 (facilitated glucose transporter), member 7 [Source:Jamboree;Acc:XB-GENE-5811422]	0.4819	0.0001
ENSXETG00000009196	SLC30A2	solute carrier family 30 (zinc transporter), member 2 [Source:Jamboree;Acc:XB-GENE-494395]	0.2426	0.0000
ENSXETG00000000954	SLC34A2	solute carrier family 34 (sodium phosphate), member 2 [Source:Jamboree;Acc:XB-GENE-483740]	0.3103	0.0280
ENSXETG00000017123	SLC36A4	solute carrier family 36 (proton/amino acid symporter), member 4 [Source:Jamboree;Acc:XB-GENE-994062]	0.6998	0.0057
ENSXETG00000011939	SLC38A5	solute carrier family 38, member 5 [Source:Jamboree;Acc:XB-GENE-5856213]	0.2537	0.0000
ENSXETG00000001368	SLC39A12	solute carrier family 39 (zinc transporter), member 12 [Source:Jamboree;Acc:XB-GENE-6051312]	0.3752	0.0000

ENSXETG00000009874	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1 [Source:Jamboree;Acc:XB-GENE-963435]	0.7092	0.0001
ENSXETG00000002556	SLC45A2	solute carrier family 45, member 2 [Source:Jamboree;Acc:XB-GENE-947685]	0.3520	0.0241
ENSXETG00000022438	SLC47A1	solute carrier family 47, member 1 [Source:Jamboree;Acc:XB-GENE-6050456]	0.7183	0.0160
ENSXETG00000007364	SLC4A1	solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group) [Source:Jamboree;Acc:XB-GENE-986935]	0.5561	0.0252
ENSXETG00000000683	SLC7A2.1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 1 [Source:Jamboree;Acc:XB-GENE-994549]	0.4371	0.0000
ENSXETG00000015899	SLC7A2.2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 2 [Source:Jamboree;Acc:XB-GENE-5763997]	0.3277	0.0360
ENSXETG00000005526	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3 [Source:Jamboree;Acc:XB-GENE-1002485]	0.2506	0.0000
ENSXETG00000016585	SLC7A5	solute carrier family 7 (amino acid transporter light chain, L system), member 5 [Source:Jamboree;Acc:XB-GENE-480035]	0.5457	0.0084
ENSXETG00000022128	SLC7A7	solute carrier family 7 (amino acid transporter light chain, y+L system), member 7 [Source:Jamboree;Acc:XB-GENE-975256]	0.7734	0.0434
ENSXETG00000014603	SLC7A8	solute carrier family 7 (amino acid transporter light chain, L system), member 8 [Source:Jamboree;Acc:XB-GENE-485467]	0.7056	0.0000
ENSXETG00000015232	SLCO5A1	solute carrier organic anion transporter family, member 5A1 [Source:Jamboree;Acc:XB-GENE-480413]	0.6967	0.0000
ENSXETG00000020473	SLIT2	slit homolog 2 [Source:Jamboree;Acc:XB-GENE-1004410]	0.8090	0.0256
ENSXETG00000026047	SMAD1	SMAD family member 1 [Source:Jamboree;Acc:XB-GENE-1018193]	0.7985	0.0353
ENSXETG00000009355	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 [Source:Jamboree;Acc:XB-GENE-483983]	0.7924	0.0046
ENSXETG00000017566	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 [Source:Jamboree;Acc:XB-GENE-494817]	0.5413	0.0000
ENSXETG00000014492	SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 [Source:Jamboree;Acc:XB-GENE-5906750]	0.7611	0.0009
ENSXETG00000013357	SMARCD1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1 [Source:Jamboree;Acc:XB-GENE-491104]	0.6773	0.0020
ENSXETG00000010209	SMC2	structural maintenance of chromosomes 2 [Source:Jamboree;Acc:XB-GENE-5826169]	0.1097	0.0000
ENSXETG00000008717	SMC4	structural maintenance of chromosomes 4 [Source:Jamboree;Acc:XB-GENE-5865855]	0.2578	0.0000
ENSXETG00000015569	SMC6	structural maintenance of chromosomes 6 [Source:Jamboree;Acc:XB-GENE-6071284]	0.6300	0.0002
ENSXETG00000001609	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1 [Source:Jamboree;Acc:XB-GENE-968672]	0.7033	0.0000
ENSXETG00000005766	SMCR7	Smith-Magenis syndrome chromosome region, candidate 7 [Source:Jamboree;Acc:XB-GENE-977723]	0.6873	0.0438
ENSXETG00000018189	SMN2	survival of motor neuron 2, centromeric [Source:Jamboree;Acc:XB-GENE-489160]	0.7724	0.0119
ENSXETG00000014939	SMO	smoothened, frizzled family receptor [Source:Jamboree;Acc:XB-GENE-487420]	0.4158	0.0000
ENSXETG00000016155	SMTN	smoothelin [Source:Jamboree;Acc:XB-GENE-951898]	0.5197	0.0000
ENSXETG00000013541	SMYD4	SET and MYND domain containing 4 [Source:Jamboree;Acc:XB-GENE-945037]	0.3968	0.0000
ENSXETG00000011764	SMYD5	SMYD family member 5 [Source:Jamboree;Acc:XB-GENE-988091]	0.6359	0.0016
ENSXETG00000027392	SNCAIP	synuclein, alpha interacting protein [Source:Jamboree;Acc:XB-GENE-948743]	0.7479	0.0036
ENSXETG00000029688	SNORA36	Small nucleolar RNA SNORA36 family [Source:RFAM;Acc:RF00340]	0.6703	0.0000
ENSXETG00000029268	SNORA69	Small nucleolar RNA SNORA69 [Source:RFAM;Acc:RF00265]	0.5759	0.0000
ENSXETG00000029813	SNORA79	Small nucleolar RNA SNORA79 [Source:RFAM;Acc:RF00600]	0.6375	0.0000
ENSXETG00000029250	SNORD35	Small nucleolar RNA SNORD35 [Source:RFAM;Acc:RF00211]	0.7363	0.0106
ENSXETG00000029745	SNORD89	Small nucleolar RNA SNORD89 [Source:RFAM;Acc:RF00578]	0.1818	0.0000
ENSXETG00000022919	SNRNP70	small nuclear ribonucleoprotein 70kDa (U1) [Source:Jamboree;Acc:XB-GENE-992818]	0.8392	0.0318
ENSXETG00000002585	SNRPA	small nuclear ribonucleoprotein polypeptide A [Source:Jamboree;Acc:XB-GENE-494246]	0.6818	0.0006
ENSXETG00000002173	SNRPD2	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa [Source:Jamboree;Acc:XB-GENE-964248]	0.7085	0.0042
ENSXETG00000004471	SNRPE	small nuclear ribonucleoprotein polypeptide E [Source:Jamboree;Acc:XB-GENE-5922245]	0.8233	0.0324
ENSXETG00000021630	SNRPF	small nuclear ribonucleoprotein polypeptide F [Source:Jamboree;Acc:XB-GENE-1017067]	0.6792	0.0006
ENSXETG00000015280	SNUPN	snurportin 1 [Source:Jamboree;Acc:XB-GENE-967845]	0.8175	0.0445
ENSXETG00000011087	SNW1	SNW domain containing 1 [Source:Jamboree;Acc:XB-GENE-1006928]	0.8132	0.0249
ENSXETG00000023815	SOCS2	suppressor of cytokine signaling 2 [Source:Jamboree;Acc:XB-GENE-487261]	0.6453	0.0002
ENSXETG00000002122	SOD3	superoxide dismutase 3, extracellular [Source:Jamboree;Acc:XB-GENE-1008938]	0.3199	0.0041
ENSXETG00000023439	SOX11	SRY (sex determining region Y)-box 11 [Source:Jamboree;Acc:XB-GENE-483418]	0.6070	0.0000
ENSXETG00000017139	SOX13	SRY (sex determining region Y)-box 13 [Source:Jamboree;Acc:XB-GENE-481889]	0.3907	0.0027
ENSXETG00000022689	SOX14	SRY (sex determining region Y)-box 14 [Source:Jamboree;Acc:XB-GENE-485370]	0.6999	0.0001
ENSXETG00000010955	SOX21	SRY (sex determining region Y)-box 21 [Source:Jamboree;Acc:XB-GENE-486445]	0.6950	0.0003
ENSXETG00000007607	SOX3	SRY (sex determining region Y)-box 3 [Source:Jamboree;Acc:XB-GENE-484815]	0.4225	0.0000
ENSXETG00000012660	SP1	Sp1 transcription factor [Source:Jamboree;Acc:XB-GENE-853336]	0.6721	0.0002
ENSXETG00000025407	SP5	Sp5 transcription factor [Source:Jamboree;Acc:XB-GENE-1217606]	0.6044	0.0000
ENSXETG00000007384	SPAG6	sperm associated antigen 6 [Source:Jamboree;Acc:XB-GENE-942175]	0.6084	0.0192
ENSXETG00000009999	SPATA20	spermatogenesis associated 20 [Source:Jamboree;Acc:XB-GENE-1013612]	0.7372	0.0368
ENSXETG00000010306	SPC25	SPC25, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-950628]	0.5058	0.0000
ENSXETG00000019834	SPG7	spastic paraplegia 7 (pure and complicated autosomal recessive) [Source:Jamboree;Acc:XB-GENE-6034036]	0.7250	0.0001
ENSXETG00000021044	SPON2	spondin 2, extracellular matrix protein [Source:Jamboree;Acc:XB-GENE-945214]	0.2566	0.0032
ENSXETG00000019568	SPRY4	sprouty homolog 4 [Source:Jamboree;Acc:XB-GENE-480765]	0.5820	0.0009
ENSXETG00000008083	SPTLC3	serine palmitoyltransferase, long chain base subunit 3 [Source:Jamboree;Acc:XB-GENE-5791607]	0.5526	0.0001
ENSXETG00000022046	SQRDL	sulfide quinone reductase-like [Source:Jamboree;Acc:XB-GENE-957726]	0.5810	0.0000
ENSXETG00000002760	SRBD1	S1 RNA binding domain 1 [Source:Jamboree;Acc:XB-GENE-6035351]	0.4785	0.0008
ENSXETG00000017318	SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog [Source:Jamboree;Acc:XB-GENE-489820]	0.7937	0.0170
ENSXETG00000001731	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1) [Source:Jamboree;Acc:XB-GENE-1000046]	0.7537	0.0296
ENSXETG00000004681	SRFBP1	serum response factor binding protein 1 [Source:Jamboree;Acc:XB-GENE-941165]	0.7011	0.0062
ENSXETG00000008793	SRI	sorcin [Source:Jamboree;Acc:XB-GENE-952117]	0.6619	0.0001
ENSXETG00000000426	SRPK1	SRSF protein kinase 1 [Source:Jamboree;Acc:XB-GENE-941978]	0.7779	0.0164
ENSXETG00000008954	SRSF1	serine/arginine-rich splicing factor 1 [Source:Jamboree;Acc:XB-GENE-486875]	0.8091	0.0078
ENSXETG00000027112	SRSF10	serine/arginine-rich splicing factor 10 [Source:Jamboree;Acc:XB-GENE-492982]	0.7593	0.0021
ENSXETG00000001701	SRSF3	serine/arginine-rich splicing factor 3 [Source:Jamboree;Acc:XB-GENE-490817]	0.8250	0.0249
ENSXETG00000014380	SRSF4	serine/arginine-rich splicing factor 4 [Source:Jamboree;Acc:XB-GENE-493077]	0.7876	0.0031
ENSXETG00000025503	SRSF6	serine/arginine-rich splicing factor 6 [Source:Jamboree;Acc:XB-GENE-488901]	0.8080	0.0133
ENSXETG00000025300	SRSF7	serine/arginine-rich splicing factor 7 [Source:Jamboree;Acc:XB-GENE-920026]	0.8224	0.0197
ENSXETG00000006922	SS18	synovial sarcoma translocation, chromosome 18 [Source:Jamboree;Acc:XB-GENE-995006]	0.7757	0.0050
ENSXETG00000025402	SSB	Sjogren syndrome antigen B (autoantigen La) [Source:Jamboree;Acc:XB-GENE-491374]	0.7674	0.0023
ENSXETG00000020197	SSBP1	single-stranded DNA binding protein 1 [Source:Jamboree;Acc:XB-GENE-979709]	0.6791	0.0071
ENSXETG00000013697	STARD6	StAR-related lipid transfer (START) domain containing 6 [Source:Jamboree;Acc:XB-GENE-972080]	0.6225	0.0156
ENSXETG00000007763	STC1	stanniocalcin 1 [Source:Jamboree;Acc:XB-GENE-949749]	0.1987	0.0000
ENSXETG00000012730	STC2	stanniocalcin 2 [Source:Jamboree;Acc:XB-GENE-1015863]	0.3999	0.0001
ENSXETG00000015813	STK17A	serine/threonine kinase 17a [Source:Jamboree;Acc:XB-GENE-5757566]	0.7508	0.0250
ENSXETG00000002497	STK19	serine/threonine kinase 19 [Source:Jamboree;Acc:XB-GENE-479237]	0.7952	0.0263
ENSXETG00000005234	STXBP3	syntaxin binding protein 3 [Source:Jamboree;Acc:XB-GENE-963836]	0.7390	0.0104
ENSXETG00000027901	STXBP4	syntaxin binding protein 4 [Source:Jamboree;Acc:XB-GENE-973737]	0.7162	0.0043
ENSXETG00000002522	SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit [Source:Jamboree;Acc:XB-GENE-956242]	0.6140	0.0000
ENSXETG00000022377	SUDS3	suppressor of defective silencing 3 homolog [Source:Jamboree;Acc:XB-GENE-5887379]	0.8045	0.0289
ENSXETG00000015219	SUFU	suppressor of fused homolog [Source:Jamboree;Acc:XB-GENE-479289]	0.7935	0.0369
ENSXETG00000013044	SUGP1	SURP and G patch domain containing 1 [Source:Jamboree;Acc:XB-GENE-495007]	0.8057	0.0246
ENSXETG00000015231	SULF1	sulfatase 1 [Source:Jamboree;Acc:XB-GENE-966419]	0.2788	0.0000
ENSXETG00000014385	SULT2B1	sulfotransferase family, cytosolic, 2B, member 1 [Source:Jamboree;Acc:XB-GENE-5805878]	0.5704	0.0196
ENSXETG00000007889	SULT6B1	sulfotransferase family, cytosolic, 6B, member 1 [Source:Jamboree;Acc:XB-GENE-5735978]	0.1672	0.0000
ENSXETG00000012516	SUMO2	SMT3 suppressor of mif two 3 homolog 2 [Source:Jamboree;Acc:XB-GENE-969139]	0.7953	0.0356
ENSXETG00000008852	SUPV3L1	suppressor of var1, 3-like 1 [Source:Jamboree;Acc:XB-GENE-989015]	0.7416	0.0297
ENSXETG00000027526	SURF1	surfeit 1 [Source:Jamboree;Acc:XB-GENE-6453389]	0.7273	0.0361
ENSXETG00000005018	SURF6	surfeit 6 [Source:Jamboree;Acc:XB-GENE-969953]	0.7215	0.0108
ENSXETG00000018075	SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein [Source:Jamboree;Acc:XB-GENE-920046]	0.8229	0.0195
ENSXETG00000001322	SYNGR2	synaptogyrin 2 [Source:Jamboree;Acc:XB-GENE-1005721]	0.7683	0.0493
ENSXETG00000023327	SYVN1	synovial apoptosis inhibitor 1, synoviolin [Source:Jamboree;Acc:XB-GENE-1005361]	0.7397	0.0001
ENSXETG00000003874	TACC3	transforming, acidic coiled-coil containing protein 3 [Source:Jamboree;Acc:XB-GENE-483950]	0.1585	0.0000

ENSXETG00000023330	TAF5L	TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa [Source:Jamboree;Acc:XB-GENE-998039]	0.7441	0.0133
ENSXETG00000011845	TAF8	TAF8 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 43kDa [Source:Jamboree;Acc:XB-GENE-491356]	0.8307	0.0432
ENSXETG00000000908	TAL2	T-cell acute lymphocytic leukemia 2 [Source:Jamboree;Acc:XB-GENE-965184]	0.7742	0.0053
ENSXETG00000001671	TALDO1	transaldolase 1 [Source:Jamboree;Acc:XB-GENE-1005380]	0.7089	0.0044
ENSXETG00000016224	TARBP1	TAR (HIV-1) RNA binding protein 1 [Source:Jamboree;Acc:XB-GENE-987523]	0.6814	0.0006
ENSXETG00000012644	TARBP2	TAR (HIV-1) RNA binding protein 2 [Source:Jamboree;Acc:XB-GENE-491800]	0.7811	0.0160
ENSXETG00000009868	TARS	threonyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-975289]	0.5211	0.0023
ENSXETG00000007217	TBL3	transducin (beta)-like 3 [Source:Jamboree;Acc:XB-GENE-1012176]	0.7535	0.0344
ENSXETG00000018148	TBX18	T-box 18 [Source:Jamboree;Acc:XB-GENE-489907]	0.5122	0.0033
ENSXETG00000008099	TCEA1	transcription elongation factor A (SII), 1 [Source:Jamboree;Acc:XB-GENE-1001315]	0.7362	0.0004
ENSXETG00000016563	TCF12	transcription factor 12 (HTF4, helix-loop-helix transcription factors 4) [Source:Jamboree;Acc:XB-GENE-5799694]	0.7851	0.0142
ENSXETG00000013589	TCF3	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) [Source:Jamboree;Acc:XB-GENE-478265]	0.6670	0.0000
ENSXETG00000016100	TCF7	transcription factor 7 (T-cell specific, HMG-box) [Source:Jamboree;Acc:XB-GENE-855462]	0.6122	0.0325
ENSXETG00000011879	TCOF1	Treacher Collins-Franceschetti syndrome 1 [Source:Jamboree;Acc:XB-GENE-6492032]	0.7175	0.0311
ENSXETG00000010891	TCTE1	t-complex-associated-testis-expressed 1 [Source:Jamboree;Acc:XB-GENE-996398]	0.3302	0.0015
ENSXETG00000003395	TEAD4	TEA domain family member 4 [Source:Jamboree;Acc:XB-GENE-956369]	0.5254	0.0000
ENSXETG00000001074	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha) [Source:Jamboree;Acc:XB-GENE-481201]	0.6217	0.0000
ENSXETG00000021674	TFAP2B	transcription factor AP-2 beta (activating enhancer binding protein 2 beta) [Source:Jamboree;Acc:XB-GENE-485026]	0.7762	0.0028
ENSXETG00000027719	TFAP2E	transcription factor AP-2 epsilon (activating enhancer binding protein 2 epsilon) [Source:Jamboree;Acc:XB-GENE-876803]	0.4602	0.0000
ENSXETG00000007852	TFB1M	transcription factor B1, mitochondrial [Source:Jamboree;Acc:XB-GENE-5721420]	0.7119	0.0470
ENSXETG00000014750	TFDP2	transcription factor Dp-2 (E2F dimerization partner 2) [Source:Jamboree;Acc:XB-GENE-1000260]	0.4018	0.0000
ENSXETG00000013900	TFPI2	tissue factor pathway inhibitor 2 [Source:Jamboree;Acc:XB-GENE-1002090]	0.3751	0.0000
ENSXETG00000024911	TGFA	transforming growth factor, alpha [Source:Jamboree;Acc:XB-GENE-852694]	0.5242	0.0091
ENSXETG00000018738	TGFB1	transforming growth factor, beta 1 [Source:Jamboree;Acc:XB-GENE-488111]	0.5177	0.0081
ENSXETG00000023394	TGFBR1	transforming growth factor, beta receptor 1 [Source:Jamboree;Acc:XB-GENE-478587]	0.7327	0.0014
ENSXETG00000025010	TGIF1	TGFB-induced factor homeobox 1 [Source:Jamboree;Acc:XB-GENE-853021]	0.2187	0.0000
ENSXETG00000017312	TGIF2	TGFB-induced factor homeobox 2 [Source:Jamboree;Acc:XB-GENE-876497]	0.0964	0.0000
ENSXETG00000009985	THA1P	threonine aldolase 1 pseudogene [Source:Jamboree;Acc:XB-GENE-972838]	0.3112	0.0000
ENSXETG00000000500	THBS4	thrombospondin 4 [Source:Jamboree;Acc:XB-GENE-1008367]	0.4764	0.0437
ENSXETG00000007902	THG1L	tRNA-histidine guanylyltransferase 1-like [Source:Jamboree;Acc:XB-GENE-966760]	0.7051	0.0186
ENSXETG00000001447	THUMPD3	THUMP domain containing 3 [Source:Jamboree;Acc:XB-GENE-877264]	0.5293	0.0000
ENSXETG00000017769	TICRR	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	0.4746	0.0004
ENSXETG00000026175	TIMM23	translocase of inner mitochondrial membrane 23 homolog [Source:Jamboree;Acc:XB-GENE-994532]	0.8030	0.0316
ENSXETG00000017634	TINAGL1	tubulointerstitial nephritis antigen-like 1 [Source:Jamboree;Acc:XB-GENE-991634]	0.4585	0.0001
ENSXETG00000001683	TJP2	tight junction protein 2 (zona occludens 2) [Source:Jamboree;Acc:XB-GENE-480467]	0.7201	0.0052
ENSXETG00000013999	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog) [Source:Jamboree;Acc:XB-GENE-868100]	0.4815	0.0000
ENSXETG00000014353	TLE2	transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) [Source:Jamboree;Acc:XB-GENE-876620]	0.7845	0.0137
ENSXETG00000018477	TLR6	toll-like receptor 6 [Source:Jamboree;Acc:XB-GENE-492949]	0.5245	0.0000
ENSXETG00000017856	TMED6	transmembrane emp24 protein transport domain containing 6 [Source:Jamboree;Acc:XB-GENE-967876]	0.6994	0.0079
ENSXETG00000014335	TMEM161A	transmembrane protein 161A [Source:Jamboree;Acc:XB-GENE-1004051]	0.6744	0.0022
ENSXETG00000009256	TMEM168	transmembrane protein 168 [Source:Jamboree;Acc:XB-GENE-982329]	0.7053	0.0154
ENSXETG00000004426	TMEM194A	transmembrane protein 194A [Source:Jamboree;Acc:XB-GENE-974573]	0.5214	0.0037
ENSXETG00000020218	TMEM204	transmembrane protein 204 [Source:Jamboree;Acc:XB-GENE-6258710]	0.5114	0.0000
ENSXETG00000023963	TMEM216	transmembrane protein 216 [Source:Jamboree;Acc:XB-GENE-5943045]	0.8086	0.0276
ENSXETG00000003133	TMEM26	transmembrane protein 26 [Source:Jamboree;Acc:XB-GENE-954810]	0.2890	0.0011
ENSXETG00000011540	TMEM43	transmembrane protein 43 [Source:Jamboree;Acc:XB-GENE-961649]	0.6525	0.0291
ENSXETG00000019603	TMEM52	transmembrane protein 52 [Source:Jamboree;Acc:XB-GENE-992217]	0.7977	0.0362
ENSXETG00000016736	TMEM56.2	transmembrane protein 56 [Source:Jamboree;Acc:XB-GENE-5756243]	0.5757	0.0212
ENSXETG00000018649	TMEM98	transmembrane protein 98 [Source:Jamboree;Acc:XB-GENE-5859301]	0.3609	0.0000
ENSXETG00000007294	TMPRSS12	transmembrane (C-terminal) protease, serine 12 [Source:Jamboree;Acc:XB-GENE-964846]	0.5979	0.0113
ENSXETG00000010125	TMPRSS13	transmembrane protease, serine 13 [Source:Jamboree;Acc:XB-GENE-940757]	0.5837	0.0054
ENSXETG00000017493	TMTOPS	multiple tissue opsin [Source:Jamboree;Acc:XB-GENE-1018915]	0.2804	0.0000
ENSXETG00000003024	TMTOPS.2	multiple tissue opsin, gene 2 [Source:Jamboree;Acc:XB-GENE-1018917]	0.3350	0.0000
ENSXETG00000004621	TNNI2	troponin I type 2 (skeletal, fast) [Source:Jamboree;Acc:XB-GENE-478629]	0.1078	0.0000
ENSXETG00000015009	TNPO3	transportin 3 [Source:Jamboree;Acc:XB-GENE-998615]	0.8133	0.0232
ENSXETG00000015646	TNS3	tensin 3 [Source:HGNC Symbol;Acc:HGNC:21616]	0.7364	0.0284
ENSXETG00000021362	TOP2A	topoisomerase (DNA) II alpha 170kDa [Source:Jamboree;Acc:XB-GENE-970178]	0.1064	0.0005
ENSXETG00000018565	TOP3B	topoisomerase (DNA) III beta [Source:Jamboree;Acc:XB-GENE-976087]	0.7557	0.0065
ENSXETG00000001854	TOPBP1	topoisomerase (DNA) II binding protein 1 [Source:Jamboree;Acc:XB-GENE-990637]	0.4084	0.0000
ENSXETG00000006442	TOX3	TOX high mobility group box family member 3 [Source:Jamboree;Acc:XB-GENE-5887160]	0.6347	0.0000
ENSXETG00000025055	TP53	tumor protein p53 [Source:Jamboree;Acc:XB-GENE-484286]	0.7194	0.0003
ENSXETG00000023300	TPRKB	TP53RK binding protein [Source:Jamboree;Acc:XB-GENE-5749722]	0.7024	0.0134
ENSXETG00000014661	TPT1	tumor protein, translationally-controlled 1 [Source:Jamboree;Acc:XB-GENE-854747]	0.6381	0.0001
ENSXETG00000020701	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2 [Source:Jamboree;Acc:XB-GENE-1015881]	0.2965	0.0000
ENSXETG00000002548	TPX2	TPX2 protein, microtubule-associated [Source:Jamboree;Acc:XB-GENE-5810264]	0.3318	0.0000
ENSXETG00000007549	TRAF6	TNF receptor-associated factor 6 [Source:Jamboree;Acc:XB-GENE-480628]	0.7468	0.0335
ENSXETG00000005959	TRAIP	TRAF interacting protein [Source:Jamboree;Acc:XB-GENE-922321]	0.6076	0.0017
ENSXETG00000000663	TRAM2	translocation associated membrane protein 2 [Source:Jamboree;Acc:XB-GENE-960498]	0.6836	0.0430
ENSXETG00000011294	TRIM36	tripartite motif containing 36 [Source:Jamboree;Acc:XB-GENE-1017281]	0.4849	0.0000
ENSXETG00000020286	TRIM55	tripartite motif containing 55 [Source:Jamboree;Acc:XB-GENE-6087245]	0.5657	0.0035
ENSXETG00000016266	TRIM69.1	tripartite motif-containing 69, gene 1 [Source:Jamboree;Acc:XB-GENE-6462279]	0.8138	0.0266
ENSXETG00000015970	TRIOBP	TRIO and F-actin binding protein [Source:Jamboree;Acc:XB-GENE-492450]	0.7156	0.0115
ENSXETG00000013105	TRIP13	thyroid hormone receptor interactor 13 [Source:Jamboree;Acc:XB-GENE-974898]	0.0950	0.0000
ENSXETG00000010649	TRIP4	thyroid hormone receptor interactor 4 [Source:Jamboree;Acc:XB-GENE-974186]	0.7735	0.0257
ENSXETG00000004501	TRMT6	tRNA methyltransferase 6 homolog [Source:Jamboree;Acc:XB-GENE-973293]	0.7587	0.0238
ENSXETG00000023304	TRMU	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase [Source:Jamboree;Acc:XB-GENE-1010591]	0.5570	0.0000
ENSXETG00000016057	TST	thiosulfate sulfurtransferase (rhodanese) [Source:Jamboree;Acc:XB-GENE-951808]	0.4118	0.0125
ENSXETG00000010177	TSTD2	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:Jamboree;Acc:XB-GENE-1015854]	0.7939	0.0366
ENSXETG00000022287	TTC13	tetratricopeptide repeat domain 13 [Source:Jamboree;Acc:XB-GENE-1001908]	0.7505	0.0062
ENSXETG00000019435	TTC14	tetratricopeptide repeat domain 14 [Source:Jamboree;Acc:XB-GENE-989065]	0.7121	0.0001
ENSXETG00000002263	TTC28	tetratricopeptide repeat domain 28 [Source:Jamboree;Acc:XB-GENE-998938]	0.7562	0.0067
ENSXETG00000021244	TTC34	tetratricopeptide repeat domain 34 [Source:Jamboree;Acc:XB-GENE-991680]	0.2930	0.0000
ENSXETG00000022003	TTF2	transcription termination factor, RNA polymerase II [Source:HGNC Symbol;Acc:HGNC:12398]	0.5893	0.0070
ENSXETG00000011768	TTK	TTK protein kinase [Source:Jamboree;Acc:XB-GENE-953775]	0.3800	0.0000
ENSXETG00000015604	TTLL12	tubulin tyrosine ligase-like family, member 12 [Source:Jamboree;Acc:XB-GENE-6047893]	0.7022	0.0208
ENSXETG00000007975	TUBA3C	tubulin, alpha 3c [Source:Jamboree;Acc:XB-GENE-5788469]	0.8327	0.0302
ENSXETG00000022264	TUBGCP6	tubulin, gamma complex associated protein 6 [Source:Jamboree;Acc:XB-GENE-490606]	0.8224	0.0499
ENSXETG00000000422	TULP1	tubby like protein 1 [Source:Jamboree;Acc:XB-GENE-5732938]	0.1987	0.0003
ENSXETG00000005640	TUT1	terminal uridylyl transferase 1, U6 snRNA-specific [Source:Jamboree;Acc:XB-GENE-491663]	0.6861	0.0000
ENSXETG00000012203	TXNDC16	thioredoxin domain containing 16 [Source:Jamboree;Acc:XB-GENE-989133]	0.8257	0.0431
ENSXETG00000020457	TXNDC5	thioredoxin domain containing 5 [Source:Jamboree;Acc:XB-GENE-490945]	0.7933	0.0171
ENSXETG00000011050	TXNIP	thioredoxin interacting protein [Source:Jamboree;Acc:XB-GENE-968442]	0.4039	0.0000
ENSXETG00000015724	TYMP	thymidine phosphorylase [Source:Jamboree;Acc:XB-GENE-995988]	0.3805	0.0003
ENSXETG00000012905	TYRP1	tyrosinase-related protein 1 [Source:Jamboree;Acc:XB-GENE-1001464]	0.1376	0.0000
ENSXETG00000029638	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	0.6754	0.0050
ENSXETG00000023202	UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1 [Source:Jamboree;Acc:XB-GENE-939925]	0.5725	0.0000
ENSXETG00000014881	UBE2C	ubiquitin-conjugating enzyme E2C [Source:Jamboree;Acc:XB-GENE-971108]	0.3272	0.0000
ENSXETG00000026975	UBE2E1	ubiquitin-conjugating enzyme E2E 1 [Source:Jamboree;Acc:XB-GENE-941508]	0.8017	0.0375
ENSXETG00000018210	UBXN2A	UBX domain protein 2A [Source:Jamboree;Acc:XB-GENE-972873]	0.7300	0.0022
ENSXETG00000024158	UBXN6	UBX domain protein 6 [Source:Jamboree;Acc:XB-GENE-971811]	0.7625	0.0009
ENSXETG00000017357	UCK2	uridine-cytidine kinase 2 [Source:Jamboree;Acc:XB-GENE-942591]	0.5972	0.0000
ENSXETG00000012846	UGDH	UDP-glucose 6-dehydrogenase [Source:Jamboree;Acc:XB-GENE-950970]	0.7688	0.0171

ENSXETG00000022306	UHRF1	ubiquitin-like with PHD and ring finger domains 1 [Source:Jamboree;Acc:XB-GENE-5821474]	0.1505	0.0000
ENSXETG00000004021	UNCX	UNC homeobox [Source:Jamboree;Acc:XB-GENE-920201]	0.7296	0.0024
ENSXETG00000022298	UNG	uracil-DNA glycosylase [Source:Jamboree;Acc:XB-GENE-960119]	0.3842	0.0000
ENSXETG00000004225	UPB1	ureidopropionase, beta [Source:Jamboree;Acc:XB-GENE-976127]	0.1425	0.0000
ENSXETG00000007440	UPF3B	UPF3 regulator of nonsense transcripts homolog B [Source:Jamboree;Acc:XB-GENE-994258]	0.7566	0.0022
ENSXETG00000010379	UPP2	uridine phosphorylase 2 [Source:Jamboree;Acc:XB-GENE-971537]	0.3159	0.0048
ENSXETG00000009895	URB1	URB1 ribosome biogenesis 1 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5817921]	0.7051	0.0080
ENSXETG00000025196	UROS	uroporphyrinogen III synthase [Source:Jamboree;Acc:XB-GENE-999530]	0.7093	0.0023
ENSXETG00000007265	USP13	usp13 [Source:Jamboree;Acc:XB-GENE-998128]	0.4802	0.0000
ENSXETG00000001269	USP39	ubiquitin specific peptidase 39 [Source:Jamboree;Acc:XB-GENE-853496]	0.8006	0.0367
ENSXETG00000006872	USP45	ubiquitin specific peptidase 45 [Source:Jamboree;Acc:XB-GENE-5800887]	0.6561	0.0139
ENSXETG00000019167	USPL1	ubiquitin specific peptidase like 1 [Source:Jamboree;Acc:XB-GENE-984428]	0.7925	0.0041
ENSXETG00000024076	VARS	valyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-487344]	0.5835	0.0073
ENSXETG00000013214	VASH1	vasohibin 1 [Source:Jamboree;Acc:XB-GENE-956494]	0.7972	0.0122
ENSXETG00000019578	VAV2	vav 2 guanine nucleotide exchange factor [Source:Jamboree;Acc:XB-GENE-6067166]	0.7674	0.0096
ENSXETG00000013241	VCAM1	vascular cell adhesion molecule 1 [Source:Jamboree;Acc:XB-GENE-492444]	0.7316	0.0011
ENSXETG00000027815	VCAN	versican [Source:Jamboree;Acc:XB-GENE-922302]	0.4588	0.0000
ENSXETG00000016375	VEGFA	vascular endothelial growth factor A [Source:Jamboree;Acc:XB-GENE-485744]	0.7579	0.0004
ENSXETG00000012240	VEPH1	ventricular zone expressed PH domain homolog 1 [Source:Jamboree;Acc:XB-GENE-6041921]	0.4775	0.0000
ENSXETG00000007462	VIM	vimentin [Source:Jamboree;Acc:XB-GENE-493024]	0.3785	0.0000
ENSXETG00000027906	VIP	vasoactive intestinal peptide [Source:Jamboree;Acc:XB-GENE-988257]	0.6393	0.0154
ENSXETG00000000104	VNN1	vanin 1 [Source:Jamboree;Acc:XB-GENE-961108]	0.0000	0.0027
ENSXETG00000017980	VPS24	vacuolar protein sorting 24 homolog [Source:Jamboree;Acc:XB-GENE-1005141]	0.7644	0.0020
ENSXETG00000013948	VRK1	vaccinia related kinase 1 [Source:Jamboree;Acc:XB-GENE-1003796]	0.6380	0.0001
ENSXETG00000020477	VRK2	vaccinia related kinase 2 [Source:Jamboree;Acc:XB-GENE-954461]	0.5239	0.0006
ENSXETG00000026901	VRK3	vaccinia related kinase 3 [Source:Jamboree;Acc:XB-GENE-986614]	0.5611	0.0000
ENSXETG00000013302	VSX2	visual system homeobox 2 [Source:Jamboree;Acc:XB-GENE-853775]	0.6215	0.0060
ENSXETG00000012958	VWA1	von Willebrand factor A domain containing 1 [Source:Jamboree;Acc:XB-GENE-956807]	0.6737	0.0078
ENSXETG00000009171	WBSCR16	Williams-Beuren syndrome chromosome region 16 [Source:Jamboree;Acc:XB-GENE-963910]	0.7342	0.0018
ENSXETG00000011004	WDR36	WD repeat domain 36 [Source:Jamboree;Acc:XB-GENE-972602]	0.7195	0.0191
ENSXETG00000020398	WDR46	WD repeat domain 46 [Source:Jamboree;Acc:XB-GENE-489373]	0.5887	0.0000
ENSXETG00000009340	WDR6	WD repeat domain 6 [Source:Jamboree;Acc:XB-GENE-982770]	0.6688	0.0091
ENSXETG00000009873	WDR75	WD repeat domain 75 [Source:Jamboree;Acc:XB-GENE-5864415]	0.6890	0.0031
ENSXETG00000026376	WHSC1	Wolf-Hirschhorn syndrome candidate 1 [Source:Jamboree;Acc:XB-GENE-988824]	0.3311	0.0001
ENSXETG00000002392	WHSC2	Wolf-Hirschhorn syndrome candidate 2 [Source:Jamboree;Acc:XB-GENE-988837]	0.7468	0.0017
ENSXETG00000009817	WNT1	wingless-type MMTV integration site family, member 1 [Source:Jamboree;Acc:XB-GENE-485280]	0.0560	0.0114
ENSXETG00000019408	WNT11	wingless-type MMTV integration site family, member 11 [Source:Jamboree;Acc:XB-GENE-854158]	0.6618	0.0496
ENSXETG00000006908	WNT2B	wingless-type MMTV integration site family, member 2B [Source:Jamboree;Acc:XB-GENE-960148]	0.5719	0.0010
ENSXETG00000004742	WNT4	wingless-type MMTV integration site family, member 4 [Source:Jamboree;Acc:XB-GENE-484098]	0.6004	0.0188
ENSXETG00000003073	WNT7B	wingless-type MMTV integration site family, member 7B [Source:Jamboree;Acc:XB-GENE-481936]	0.7474	0.0059
ENSXETG00000023739	WRB	tryptophan rich basic protein [Source:Jamboree;Acc:XB-GENE-956728]	0.7366	0.0013
ENSXETG00000010058	XARP	Axin-related protein [Source:Jamboree;Acc:XB-GENE-6449828]	0.4314	0.0000
ENSXETG00000026414	XB-GENE-1017156	novel protein containing four WD domain, G-beta repeats [Source:Jamboree;Acc:XB-GENE-1017156]	0.7197	0.0489
ENSXETG00000005035	XB-GENE-5722383	hypothetical protein LOC733945 [Source:Jamboree;Acc:XB-GENE-5722383]	0.1954	0.0000
ENSXETG00000019416	XB-GENE-5727515	novel protein containing an Inosine-uridine preferring nucleoside hydrolase domain [Source:Jamboree;Acc:XB-GENE-5727515]	0.3360	0.0001
ENSXETG00000006008	XB-GENE-5727893	novel protein similar to prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-5727893]	0.7643	0.0057
ENSXETG00000027090	XB-GENE-5768884	MGC86492 protein [Source:Jamboree;Acc:XB-GENE-5768884]	0.8087	0.0054
ENSXETG00000011117	XB-GENE-5779150	hypothetical protein LOC100124967 [Source:Jamboree;Acc:XB-GENE-5779150]	0.6558	0.0068
ENSXETG00000011152	XB-GENE-5779195	cysteine-rich secretory protein 3 [Source:Jamboree;Acc:XB-GENE-5779195]	0.0036	0.0000
ENSXETG00000016442	XB-GENE-5779684	MGC107841 protein [Source:Jamboree;Acc:XB-GENE-5779684]	0.7135	0.0129
ENSXETG00000017641	XB-GENE-5781886	calumenin [Source:Jamboree;Acc:XB-GENE-5781886]	0.5602	0.0452
ENSXETG00000003689	XB-GENE-5796437	microsomal glutathione S-transferase 3-like [Source:Jamboree;Acc:XB-GENE-5796437]	0.6837	0.0000
ENSXETG00000024882	XB-GENE-5809273	suppressor of cytokine signaling 3 [Source:Jamboree;Acc:XB-GENE-5809273]	0.5202	0.0000
ENSXETG00000023747	XB-GENE-5813855	putative transient receptor potential channel [Source:Jamboree;Acc:XB-GENE-5813855]	0.4840	0.0132
ENSXETG00000013902	XB-GENE-5814061	acyl-CoA dehydrogenase (3J649) [Source:Jamboree;Acc:XB-GENE-5814061]	0.4830	0.0002
ENSXETG00000001042	XB-GENE-5819923	hypothetical protein MGC115716 [Source:Jamboree;Acc:XB-GENE-5819923]	0.7879	0.0335
ENSXETG00000006036	XB-GENE-5831587	Uncharacterized protein C1orf174 homolog [Source:Jamboree;Acc:XB-GENE-5831587]	0.6284	0.0050
ENSXETG00000018031	XB-GENE-5835884	hypothetical protein LOC100145507 [Source:Jamboree;Acc:XB-GENE-5835884]	0.7108	0.0017
ENSXETG00000004897	XB-GENE-5839548	hypothetical protein LOC100101308 [Source:Jamboree;Acc:XB-GENE-5839548]	0.5577	0.0165
ENSXETG00000018022	XB-GENE-5839942	hypothetical protein LOC100037859 [Source:Jamboree;Acc:XB-GENE-5839942]	0.6188	0.0442
ENSXETG00000017748	XB-GENE-5843131	hypothetical protein LOC100135138 [Source:Jamboree;Acc:XB-GENE-5843131]	0.5290	0.0000
ENSXETG00000026767	XB-GENE-5854345	hypothetical protein LOC100145486 [Source:Jamboree;Acc:XB-GENE-5854345]	0.7674	0.0031
ENSXETG00000011506	XB-GENE-5857146	hypothetical protein MGC64444 [Source:Jamboree;Acc:XB-GENE-5857146]	0.8127	0.0184
ENSXETG00000018827	XB-GENE-5897024	phosphatidylserine decarboxylase [Source:Jamboree;Acc:XB-GENE-5897024]	0.6707	0.0002
ENSXETG00000027563	XB-GENE-5903984	MGC80550 protein [Source:Jamboree;Acc:XB-GENE-5903984]	0.2679	0.0000
ENSXETG00000026169	XB-GENE-5904605	hypothetical protein LOC100124841 [Source:Jamboree;Acc:XB-GENE-5904605]	0.6329	0.0117
ENSXETG00000014395	XB-GENE-5905096	gap junction protein, alpha 7, 45kDa (connexin 45) [Source:Jamboree;Acc:XB-GENE-5905096]	0.4766	0.0000
ENSXETG00000012378	XB-GENE-5906920	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q8U9]	0.6234	0.0008
ENSXETG00000025361	XB-GENE-5911701	clone X2.0 melatonin receptor [Source:Jamboree;Acc:XB-GENE-5911701]	0.2007	0.0460
ENSXETG00000009660	XB-GENE-5929403	26 serine protease [Source:Jamboree;Acc:XB-GENE-5929403]	0.1015	0.0003
ENSXETG00000015354	XB-GENE-5945160	Cry1 protein [Source:Jamboree;Acc:XB-GENE-5945160]	0.1657	0.0000
ENSXETG00000015923	XB-GENE-5949053	hypothetical protein LOC100137635 [Source:Jamboree;Acc:XB-GENE-5949053]	0.5650	0.0002
ENSXETG00000026630	XB-GENE-5956431	hypothetical LOC493204 [Source:Jamboree;Acc:XB-GENE-5956431]	0.4477	0.0000
ENSXETG00000005248	XB-GENE-5960520	hypothetical protein LOC100101282 [Source:Jamboree;Acc:XB-GENE-5960520]	0.7354	0.0064
ENSXETG00000010704	XB-GENE-877239	Putative ortholog of gDPD domain containing protein [Similar to Homo sapien gene from Source:RefSeq;Acc:NM_182833], 1 of 1 [Source:Jamboree;Acc:XB-GENE-877239]	0.3415	0.0138
ENSXETG00000002422	XB-GENE-953257	Putative ortholog of thiamine transporter 1 (Solute carrier family 19 (Thiamine transporter), member 2) (High affinity thiamine transporter THTR-1) (High-affinity thiamin transporter), 1 of 1 [Source:Jamboree;Acc:XB-GENE-953257]	0.6850	0.0006
ENSXETG00000001141	XB-GENE-956173	Putative ortholog of hemoglobin alpha chain. [Source:UniProt/SWISSPROT;Acc:P01922], 2 of 3 [Source:Jamboree;Acc:XB-GENE-956173]	0.7288	0.0310
ENSXETG00000011440	XB-GENE-969052	Putative ortholog of cytochrome p450 46A1 (EC 1.14.-.-) (Cholesterol 24-hydroxylase), 1 of 1 [Source:Jamboree;Acc:XB-GENE-969052]	0.6097	0.0000
ENSXETG00000021701	XB-GENE-971646	Putative ortholog of dNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (RLF beta subunit) (P102 protein) (P1-MCM3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-971646]	0.1287	0.0000
ENSXETG00000001461	XB-GENE-972977	Putative ortholog of 60S ribosomal protein L32 (PP9932), 1 of 2 [Source:Jamboree;Acc:XB-GENE-972977]	0.7492	0.0299
ENSXETG00000024924	XB-GENE-980731	Putative ortholog of glutathione S-transferase, theta 3, 2 of 2 [Source:Jamboree;Acc:XB-GENE-980731]	0.4572	0.0003
ENSXETG00000000312	XB-GENE-981231	Putative ortholog of kinesin-like protein KIF14, 1 of 1 [Source:Jamboree;Acc:XB-GENE-981231]	0.1212	0.0000
ENSXETG00000016178	XB-GENE-982799	conserved hypothetical protein, 1 of 1 [Source:Jamboree;Acc:XB-GENE-982799]	0.6993	0.0000
ENSXETG00000013846	XB-GENE-984298	Putative ortholog of cytochrome P450 27, mitochondrial precursor (EC 1.14.-.-) (Cytochrome P-450C27/25) (Sterol 26-hydroxylase) (Sterol 27-hydroxylase) (Vitamin D(3) 25-hydroxylase) (5-beta-cholestane-3-alpha,7-alpha,12-alpha-triol 27-hydroxylase), 1 of 2 [Source:Jamboree;Acc:XB-GENE-984298]	0.6334	0.0010
ENSXETG00000004635	XB-GENE-990339	Putative ortholog of g-protein coupled receptor family C group 5 member C precursor (Retinoic acid induced gene 3 protein) (RAIG-3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-990339]	0.7905	0.0053
ENSXETG00000025559	XB-GENE-992351	Putative ortholog of calcium/calmodulin-dependent protein kinase kinase 1 (EC 2.7.1.37) (Calcium/calmodulin-dependent protein kinase kinase alpha) (CaM-kinase kinase alpha) (CaM-KK alpha) (CaMKK alpha) (CaMKK 1) (CaM-kinase IV kinase), 2 of 3 [Source:Jamboree;Acc:XB-GENE-992351]	0.7967	0.0347
ENSXETG00000011949	XB-GENE-994785	conserved hypothetical protein similar to mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933430J11 product:hypothetical Proline-rich region/von Willebrand factor type A domain containing protein, full insert sequence, 1 of 1 [Source:Jamboree;Acc:XB-GENE-994785]	0.6675	0.0000
ENSXETG00000000291	XGB	x globin [Source:Jamboree;Acc:XB-GENE-5749914]	0.5960	0.0000
ENSXETG00000000668	XKR5	XK, Kell blood group complex subunit-related family, member 5 [Source:Jamboree;Acc:XB-GENE-5870731]	0.3487	0.0035
ENSXETG00000009649	XKRX	XK, Kell blood group complex subunit-related, X-linked [Source:Jamboree;Acc:XB-GENE-957186]	0.4369	0.0000
ENSXETG00000002224	XPO1	exportin 1 (CRM1 homolog) [Source:Jamboree;Acc:XB-GENE-993240]	0.6352	0.0000
ENSXETG00000023061	XRCC3	X-ray repair complementing defective repair in Chinese hamster cells 3 [Source:Jamboree;Acc:XB-GENE-1016741]	0.5847	0.0000
ENSXETG00000004548	XRCC6	X-ray repair complementing defective repair in Chinese hamster cells 6 [Source:Jamboree;Acc:XB-GENE-970899]	0.6521	0.0000

ENSXETG00000029005	XTR-MIR-101A-1	xtr-mir-101a-1 [Source:miRBase;Acc:MI0004928]	0.6915	0.0089
ENSXETG00000029014	XTR-MIR-130B	xtr-mir-130b [Source:miRBase;Acc:MI0004833]	0.2624	0.0001
ENSXETG00000029114	XTR-MIR-135-2	xtr-mir-135-2 [Source:miRBase;Acc:MI0004933]	0.5419	0.0000
ENSXETG00000029093	XTR-MIR-15C	xtr-mir-15c [Source:miRBase;Acc:MI0004892]	0.2472	0.0175
ENSXETG00000029188	XTR-MIR-16A	xtr-mir-16a [Source:miRBase;Acc:MI0004802]	0.3806	0.0000
ENSXETG00000029190	XTR-MIR-16C	xtr-mir-16c [Source:miRBase;Acc:MI0004801]	0.4735	0.0000
ENSXETG00000029157	XTR-MIR-210	xtr-mir-210 [Source:miRBase;Acc:MI0004864]	0.3139	0.0000
ENSXETG00000029136	XTR-MIR-219	xtr-mir-219 [Source:miRBase;Acc:MI0004873]	0.7052	0.0253
ENSXETG00000029161	XTR-MIR-25-2	xtr-mir-25-1 [Source:miRBase;Acc:MI0004914]	0.2820	0.0000
ENSXETG00000029151	XTR-MIR-363	xtr-mir-363 [Source:miRBase;Acc:MI0004955]	0.2296	0.0000
ENSXETG00000029113	XTR-MIR-9B	xtr-mir-9b [Source:miRBase;Acc:MI0004795]	0.6765	0.0000
ENSXETG00000014526	ZBED4	zinc finger, BED-type containing 4 [Source:Jamboree;Acc:XB-GENE-6076969]	0.6404	0.0000
ENSXETG00000012362	ZBTB2	zinc finger and BTB domain containing 2 [Source:Jamboree;Acc:XB-GENE-977864]	0.7942	0.0322
ENSXETG00000004479	ZBTB33	zinc finger and BTB domain containing 33 [Source:Jamboree;Acc:XB-GENE-486567]	0.7678	0.0052
ENSXETG00000004417	ZBTB39	zinc finger and BTB domain containing 39 [Source:Jamboree;Acc:XB-GENE-957946]	0.6440	0.0000
ENSXETG00000000439	ZC3H11A	zinc finger CCCH-type containing 11A [Source:Jamboree;Acc:XB-GENE-5801315]	0.7851	0.0048
ENSXETG00000006542	ZCCHC7	zinc finger, CCHC domain containing 7 [Source:Jamboree;Acc:XB-GENE-6258335]	0.6276	0.0007
ENSXETG00000007797	ZCCHC8	zinc finger, CCHC domain containing 8 [Source:Jamboree;Acc:XB-GENE-977402]	0.7974	0.0339
ENSXETG00000016987	ZFP36L1	zinc finger protein 36, C3H type-like 1 [Source:Jamboree;Acc:XB-GENE-966625]	0.4363	0.0000
ENSXETG00000009274	ZFP36L2	zinc finger protein 36, C3H type-like 2 [Source:Jamboree;Acc:XB-GENE-971012]	0.6203	0.0165
ENSXETG00000023062	ZFYVE21	zinc finger, FYVE domain containing 21 [Source:Jamboree;Acc:XB-GENE-1007908]	0.7503	0.0037
ENSXETG00000019457	ZHX3	zinc fingers and homeoboxes 3 [Source:Jamboree;Acc:XB-GENE-853511]	0.7888	0.0309
ENSXETG00000018864	ZIC2	Zic family member 2 [Source:Jamboree;Acc:XB-GENE-482654]	0.7576	0.0002
ENSXETG00000016118	ZMAT2	zinc finger, matrin-type 2 [Source:Jamboree;Acc:XB-GENE-1217476]	0.7491	0.0029
ENSXETG00000002643	ZMYM2	zinc finger, MYM-type 2 [Source:Jamboree;Acc:XB-GENE-961591]	0.7978	0.0180
ENSXETG00000027161	ZNF160	zinc finger protein 160 [Source:Jamboree;Acc:XB-GENE-5962462]	0.6681	0.0005
ENSXETG00000016062	ZNF184	zinc finger protein 184 [Source:Jamboree;Acc:XB-GENE-5794876]	0.7599	0.0130
ENSXETG00000017550	ZNF217	zinc finger protein 217 [Source:Jamboree;Acc:XB-GENE-1020928]	0.4189	0.0177
ENSXETG00000019874	ZNF276	zinc finger protein 276 [Source:Jamboree;Acc:XB-GENE-983669]	0.7555	0.0019
ENSXETG00000016560	ZNF280D	zinc finger protein 280D [Source:Jamboree;Acc:XB-GENE-479902]	0.6578	0.0001
ENSXETG00000006087	ZNF326	zinc finger protein 326 [Source:Jamboree;Acc:XB-GENE-483978]	0.7528	0.0003
ENSXETG00000014840	ZNF367	zinc finger protein 367 [Source:Jamboree;Acc:XB-GENE-986040]	0.6014	0.0000
ENSXETG00000027163	ZNF383	zinc finger protein 383 [Source:Jamboree;Acc:XB-GENE-5722500]	0.5190	0.0000
ENSXETG00000002298	ZNF385C	zinc finger protein 385C [Source:Jamboree;Acc:XB-GENE-6258007]	0.6658	0.0293
ENSXETG00000021160	ZNF395	zinc finger protein 395 [Source:Jamboree;Acc:XB-GENE-1218956]	0.6064	0.0000
ENSXETG00000009866	ZNF503	zinc finger protein 503 [Source:Jamboree;Acc:XB-GENE-1005005]	0.7816	0.0339
ENSXETG00000009189	ZNF593	zinc finger protein 593 [Source:Jamboree;Acc:XB-GENE-1217394]	0.6335	0.0000
ENSXETG00000003817	ZNF605	zinc finger protein 605 [Source:Jamboree;Acc:XB-GENE-5942644]	0.7444	0.0009
ENSXETG00000018641	ZNF652	zinc finger protein 652 [Source:Jamboree;Acc:XB-GENE-1020912]	0.7516	0.0045
ENSXETG00000011058	ZNF684	zinc finger protein 684 [Source:Jamboree;Acc:XB-GENE-5956224]	0.5937	0.0070
ENSXETG00000024347	ZNF703	zinc finger protein 703 [Source:Jamboree;Acc:XB-GENE-1217460]	0.7370	0.0094
ENSXETG00000010417	ZNF704	zinc finger protein 704 [Source:Jamboree;Acc:XB-GENE-988666]	0.0372	0.0000
ENSXETG00000019942	ZNRF3	zinc and ring finger 3 [Source:Jamboree;Acc:XB-GENE-5937936]	0.6505	0.0004
ENSXETG00000022977	ZW10	ZW10, kinetochore associated, homolog [Source:Jamboree;Acc:XB-GENE-990692]	0.6959	0.0015
ENSXETG00000015894	ZWILCH	Zwilch, kinetochore associated, homolog [Source:Jamboree;Acc:XB-GENE-5861097]	0.2716	0.0000

Complete List of Upregulated Genes Between NF stage 50 and 66

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000005614	AASDH	aminoadipate-semialdehyde dehydrogenase [Source:Jamboree;Acc:XB-GENE-985526]	1.2326	0.0070
ENSXETG00000022747	AASS	aminoadipate-semialdehyde synthase [Source:Jamboree;Acc:XB-GENE-943505]	1.1895	0.0290
ENSXETG00000013407	AATK	apoptosis-associated tyrosine kinase [Source:Jamboree;Acc:XB-GENE-989910]	1.5024	0.0000
ENSXETG00000003978	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2 [Source:Jamboree;Acc:XB-GENE-969968]	1.3771	0.0000
ENSXETG00000021581	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4 [Source:HGNC Symbol;Acc:HGNC:13884]	1.2056	0.0261
ENSXETG00000012789	ABHD12	abhydrolase domain containing 12 [Source:Jamboree;Acc:XB-GENE-990130]	1.2192	0.0274
ENSXETG00000008670	ABHD6	abhydrolase domain containing 6 [Source:Jamboree;Acc:XB-GENE-966285]	1.4751	0.0003
ENSXETG00000013358	ABI3BP	ABI family, member 3 (NESH) binding protein [Source:Jamboree;Acc:XB-GENE-951329]	1.8002	0.0000
ENSXETG00000011610	ABLIM2	actin binding LIM protein family, member 2 [Source:Jamboree;Acc:XB-GENE-490231]	1.3674	0.0001
ENSXETG00000011988	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing)) [Source:Jamboree;Acc:XB-GENE-997273]	2.3509	0.0050
ENSXETG00000002061	ABTB1	ankyrin repeat and BTB (POZ) domain containing 1 [Source:Jamboree;Acc:XB-GENE-976579]	1.2615	0.0098
ENSXETG00000003783	ABTB2	ankyrin repeat and BTB (POZ) domain containing 2 [Source:Jamboree;Acc:XB-GENE-984511]	1.3405	0.0165
ENSXETG00000013366	ACCN2	amiloride-sensitive cation channel 2, neuronal [Source:Jamboree;Acc:XB-GENE-977699]	1.3631	0.0000
ENSXETG00000022231	ACCS	1-aminocyclopropane-1-carboxylate synthase homolog [Source:Jamboree;Acc:XB-GENE-989873]	1.2997	0.0022
ENSXETG00000027806	ACOT12	acyl-CoA thioesterase 12 [Source:Jamboree;Acc:XB-GENE-987297]	1.4461	0.0005
ENSXETG00000019720	ACOT7	acyl-CoA thioesterase 7 [Source:Jamboree;Acc:XB-GENE-976869]	1.3088	0.0020
ENSXETG00000003017	ACOXL	acyl-CoA oxidase-like [Source:Jamboree;Acc:XB-GENE-990149]	1.3140	0.0415
ENSXETG00000016588	ACSL6	acyl-CoA synthetase long-chain family member 6 [Source:Jamboree;Acc:XB-GENE-5834989]	1.3515	0.0005
ENSXETG00000017933	ACTN1	actinin, alpha 1 [Source:Jamboree;Acc:XB-GENE-493909]	1.3325	0.0005
ENSXETG00000010380	ACVR1	activin A receptor, type I [Source:Jamboree;Acc:XB-GENE-478850]	1.8210	0.0000
ENSXETG00000027759	ACYP2	acylphosphatase 2, muscle type [Source:Jamboree;Acc:XB-GENE-944874]	2.2449	0.0030
ENSXETG00000022538	ADAM12	ADAM metallopeptidase domain 12 [Source:Jamboree;Acc:XB-GENE-982139]	2.5056	0.0000
ENSXETG00000008262	ADAM17	ADAM metallopeptidase domain 17 [Source:Jamboree;Acc:XB-GENE-492534]	1.6230	0.0000
ENSXETG00000015156	ADAM9	ADAM metallopeptidase domain 9 [Source:Jamboree;Acc:XB-GENE-976453]	1.2303	0.0283
ENSXETG00000018779	ADAMTS17	ADAM metallopeptidase with thrombospondin type 1 motif, 17 [Source:Jamboree;Acc:XB-GENE-6460749]	1.4690	0.0030
ENSXETG00000017676	ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif, 4 [Source:Jamboree;Acc:XB-GENE-996659]	1.5558	0.0036
ENSXETG00000013638	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif, 5 [Source:Jamboree;Acc:XB-GENE-961098]	2.0036	0.0000
ENSXETG00000000457	ADAMTS6	ADAM metallopeptidase with thrombospondin type 1 motif, 6 [Source:Jamboree;Acc:XB-GENE-951750]	2.5387	0.0000
ENSXETG00000013147	ADAMTS9	ADAM metallopeptidase with thrombospondin type 1 motif, 9 [Source:Jamboree;Acc:XB-GENE-1013537]	2.6273	0.0000
ENSXETG00000023116	ADAMTSL2	ADAMTS-like 2 [Source:HGNC Symbol;Acc:HGNC:14631]	3.1667	0.0014
ENSXETG00000015986	ADAP1	ArfGAP with dual PH domains 1 [Source:Jamboree;Acc:XB-GENE-5779570]	2.1105	0.0414
ENSXETG00000007373	ADC	arginine decarboxylase [Source:Jamboree;Acc:XB-GENE-6454420]	1.2717	0.0131
ENSXETG00000015663	ADCY1	adenylate cyclase 1 (brain) [Source:Jamboree;Acc:XB-GENE-950909]	1.5673	0.0011
ENSXETG00000021179	ADCY3	adenylate cyclase 3 [Source:Jamboree;Acc:XB-GENE-1007339]	1.2323	0.0271
ENSXETG00000016889	ADCY4	adenylate cyclase 4 [Source:Jamboree;Acc:XB-GENE-984909]	1.6015	0.0000
ENSXETG00000017315	ADCY9	adenylate cyclase 9 [Source:Jamboree;Acc:XB-GENE-999257]	1.4344	0.0000
ENSXETG00000019179	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary) [Source:Jamboree;Acc:XB-GENE-992312]	1.4134	0.0001
ENSXETG00000008015	ADD1	adducin 1 (alpha) [Source:Jamboree;Acc:XB-GENE-995030]	1.2773	0.0016
ENSXETG00000001078	ADPRH	ADP-ribosylarginine hydrolase [Source:Jamboree;Acc:XB-GENE-5783598]	1.6542	0.0141
ENSXETG00000010368	ADRA1D	adrenergic, alpha-1D-, receptor [Source:Jamboree;Acc:XB-GENE-6050827]	1.4397	0.0015
ENSXETG00000015427	ADRA2C	adrenergic, alpha-2C-, receptor [Source:Jamboree;Acc:XB-GENE-5773399]	1.2804	0.0288
ENSXETG00000019224	ADTRP	androgen-dependent TFPI-regulating protein [Source:HGNC Symbol;Acc:HGNC:21214]	1.2685	0.0257
ENSXETG00000019955	AFF1	AF4/FMR2 family, member 1 [Source:Jamboree;Acc:XB-GENE-5995345]	1.3098	0.0310
ENSXETG00000009661	AGAP2	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2 [Source:Jamboree;Acc:XB-GENE-1011294]	1.9914	0.0000
ENSXETG00000001633	AGAP3	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3 [Source:Jamboree;Acc:XB-GENE-6257381]	1.3050	0.0388
ENSXETG00000020238	AGBL3	ATP/GTP binding protein-like 3 [Source:Jamboree;Acc:XB-GENE-995570]	2.1351	0.0008
ENSXETG00000027165	AGBL5	ATP/GTP binding protein-like 5 [Source:Jamboree;Acc:XB-GENE-958770]	1.2242	0.0493
ENSXETG00000011732	AGTPBP1	ATP/GTP binding protein 1 [Source:Jamboree;Acc:XB-GENE-5932583]	1.2616	0.0162
ENSXETG00000021098	AGXT2L1	alanine-glyoxylate aminotransferase 2-like 1 [Source:Jamboree;Acc:XB-GENE-968831]	1.8470	0.0000
ENSXETG00000015321	AJAP1	adherens junctions associated protein 1 [Source:Jamboree;Acc:XB-GENE-990276]	1.3214	0.0012
ENSXETG00000021999	AK1	adenylate kinase 1 [Source:Jamboree;Acc:XB-GENE-1012039]	1.3339	0.0009
ENSXETG00000020392	AK4	adenylate kinase 4 [Source:Jamboree;Acc:XB-GENE-959954]	1.9203	0.0210
ENSXETG00000006260	AK8	adenylate kinase 8 [Source:Jamboree;Acc:XB-GENE-5831327]	1.5672	0.0043
ENSXETG00000007623	AKAP13	A kinase (PRKA) anchor protein 13 [Source:Jamboree;Acc:XB-GENE-983148]	1.3101	0.0090
ENSXETG00000016124	ALCAM	activated leukocyte cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-491704]	1.5471	0.0156
ENSXETG00000017280	ALG3	asparagine-linked glycosylation 3, alpha-1,3- mannosyltransferase homolog [Source:Jamboree;Acc:XB-GENE-986278]	1.3418	0.0020

ENSXETG00000014487	ALKBH8	alkB, alkylation repair homolog 8 [Source:Jamboree;Acc:XB-GENE-985927]	1.3089	0.0217
ENSXETG00000024103	ALPK1	alpha-kinase 1 [Source:Jamboree;Acc:XB-GENE-1001597]	1.2332	0.0487
ENSXETG00000002559	AMACR	alpha-methylacyl-CoA racemase [Source:Jamboree;Acc:XB-GENE-1009589]	1.4103	0.0491
ENSXETG00000001979	AMBRA1	autophagy/beclin-1 regulator 1 [Source:Jamboree;Acc:XB-GENE-984578]	1.2262	0.0344
ENSXETG00000012751	AMN	amnionless homolog [Source:Jamboree;Acc:XB-GENE-481898]	5.0654	0.0236
ENSXETG00000006385	AMOTL1	angiomotin like 1 [Source:Jamboree;Acc:XB-GENE-993664]	1.7652	0.0000
ENSXETG00000002009	AMPD2	adenosine monophosphate deaminase 2 [Source:Jamboree;Acc:XB-GENE-982645]	1.2395	0.0153
ENSXETG00000020302	ANKFN1	ankyrin-repeat and fibronectin type III domain containing 1 [Source:Jamboree;Acc:XB-GENE-6035383]	1.6494	0.0000
ENSXETG00000021327	ANKRD13B	ankyrin repeat domain 13B [Source:Jamboree;Acc:XB-GENE-5907157]	1.2429	0.0240
ENSXETG00000013387	ANKRD32	ankyrin repeat domain 32 [Source:Jamboree;Acc:XB-GENE-983324]	1.4711	0.0002
ENSXETG00000006415	ANKRD49	ankyrin repeat domain 49 [Source:Jamboree;Acc:XB-GENE-479219]	1.4749	0.0310
ENSXETG00000019117	ANKRD6	ankyrin repeat domain 6 [Source:Jamboree;Acc:XB-GENE-4786561	1.8671	0.0000
ENSXETG00000005339	ANKRD9	ankyrin repeat domain 9 [Source:Jamboree;Acc:XB-GENE-955835]	1.4548	0.0240
ENSXETG00000022024	ANO10	anoctamin 10 [Source:Jamboree;Acc:XB-GENE-955754]	1.6277	0.0000
ENSXETG00000008496	ANO2	anoctamin 2 [Source:Jamboree;Acc:XB-GENE-981445]	1.9525	0.0375
ENSXETG00000027478	ANXA1	annexin A1 [Source:Jamboree;Acc:XB-GENE-977623]	1.4239	0.0401
ENSXETG00000015832	ANXA6	annexin A6 [Source:Jamboree;Acc:XB-GENE-989741]	1.9545	0.0000
ENSXETG00000009033	AP2A1	adaptor-related protein complex 2, alpha 1 subunit [Source:RefSeq peptide;Acc:NP_001090846]	1.2320	0.0102
ENSXETG00000019317	APOE	apolipoprotein E [Source:Jamboree;Acc:XB-GENE-853213]	3.3610	0.0000
ENSXETG00000001888	APPL2	ɔtor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2 [Source:Jamboree;Acc:XB-GENE-855	1.4068	0.0003
ENSXETG00000017110	ARC3	amphibian RCA protein 3 [Source:Jamboree;Acc:XB-GENE-6454074]	1.2292	0.0370
ENSXETG00000011174	ARF3	ADP-ribosylation factor 3 [Source:Jamboree;Acc:XB-GENE-952628]	1.5286	0.0000
ENSXETG00000001985	ARHGAP1	Rho GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-1015089]	1.3461	0.0003
ENSXETG00000014909	ARHGAP18	Rho GTPase activating protein 18 [Source:Jamboree;Acc:XB-GENE-988160]	1.3522	0.0082
ENSXETG00000013931	ARHGAP20	Rho GTPase activating protein 20 [Source:Jamboree;Acc:XB-GENE-1005914]	1.3813	0.0002
ENSXETG00000006200	ARHGAP24	Rho GTPase activating protein 24 [Source:Jamboree;Acc:XB-GENE-996257]	3.7322	0.0000
ENSXETG00000001880	ARHGAP26	Rho GTPase activating protein 26 [Source:Jamboree;Acc:XB-GENE-1011980]	1.9986	0.0000
ENSXETG00000005487	ARHGAP42	Rho GTPase activating protein 42 [Source:HGNC Symbol;Acc:HGNC:26545]	2.0168	0.0000
ENSXETG00000019547	ARHGAP44	Rho GTPase activating protein 44 [Source:Jamboree;Acc:XB-GENE-6037573]	1.2053	0.0429
ENSXETG00000005342	ARHGAP6	Rho GTPase activating protein 6 [Source:Jamboree;Acc:XB-GENE-976843]	2.2819	0.0019
ENSXETG00000014794	ARHGEF10L	Rho guanine nucleotide exchange factor (GEF) 10-like [Source:Jamboree;Acc:XB-GENE-996306]	1.4021	0.0235
ENSXETG00000006227	ARHGEF25	Rho guanine nucleotide exchange factor (GEF) 25 [Source:Jamboree;Acc:XB-GENE-6084380]	1.6934	0.0000
ENSXETG00000012714	ARHGEF37	Rho guanine nucleotide exchange factor (GEF) 37 [Source:Jamboree;Acc:XB-GENE-988765]	1.5980	0.0000
ENSXETG00000024651	ARID4B	AT rich interactive domain 4B (RBP1-like) [Source:Jamboree;Acc:XB-GENE-1003570]	1.2793	0.0050
ENSXETG00000021692	ARL5A	ADP-ribosylation factor-like 5A [Source:Jamboree;Acc:XB-GENE-1004384]	1.1925	0.0454
ENSXETG00000025139	ARL6IP5	ADP-ribosylation-like factor 6 interacting protein 5 [Source:Jamboree;Acc:XB-GENE-482901]	1.4456	0.0000
ENSXETG00000005212	ARL8B	ADP-ribosylation factor-like 8B [Source:Jamboree;Acc:XB-GENE-490246]	1.4533	0.0000
ENSXETG00000009521	ARMC9	armadillo repeat containing 9 [Source:Jamboree;Acc:XB-GENE-990021]	1.2692	0.0370
ENSXETG00000009605	ARRB1	arrestin, beta 1 [Source:Jamboree;Acc:XB-GENE-481578]	1.2934	0.0013
ENSXETG00000006316	ARVCF	armadillo repeat gene deleted in velocardiofacial syndrome [Source:Jamboree;Acc:XB-GENE-489677]	1.2224	0.0146
ENSXETG00000021832	ARX	aristaless related homeobox [Source:Jamboree;Acc:XB-GENE-483940]	1.2136	0.0373
ENSXETG00000004879	ASB1	ankyrin repeat and SOCS box containing 1 [Source:Jamboree;Acc:XB-GENE-5793268]	1.2405	0.0115
ENSXETG00000010311	ASB2	ankyrin repeat and SOCS box containing 2 [Source:Jamboree;Acc:XB-GENE-983015]	1.3099	0.0145
ENSXETG00000021442	ASH1L	ash1 (absent, small, or homeotic)-like [Source:Jamboree;Acc:XB-GENE-6035627]	1.2244	0.0155
ENSXETG00000002310	ASRGL1	asparaginase like 1 [Source:Jamboree;Acc:XB-GENE-989502]	1.2984	0.0126
ENSXETG00000025500	ASTL	astacin-like metallo-endopeptidase (M12 family) [Source:Jamboree;Acc:XB-GENE-5769376]	3.1619	0.0083
ENSXETG00000006394	ATCAY	ataxia, cerebellar, Cayman type [Source:Jamboree;Acc:XB-GENE-962245]	1.2145	0.0330
ENSXETG00000013953	ATG2B	ATG2 autophagy related 2 homolog B [Source:Jamboree;Acc:XB-GENE-5763717]	1.2281	0.0323
ENSXETG00000019294	ATG9A	ATG9 autophagy related 9 homolog A [Source:Jamboree;Acc:XB-GENE-984232]	1.2986	0.0037
ENSXETG00000023922	ATN1	atrophin 1 [Source:Jamboree;Acc:XB-GENE-6458762]	1.4108	0.0308
ENSXETG00000000441	ATP2B2	ATPase, Ca++ transporting, plasma membrane 2 [Source:Jamboree;Acc:XB-GENE-950177]	1.3273	0.0002
ENSXETG00000013287	ATP2C2	ATPase, Ca++ transporting, type 2C, member 2 [Source:Jamboree;Acc:XB-GENE-5873516]	1.4478	0.0000
ENSXETG00000007635	ATP6V0A1	ATPase, H+ transporting, lysosomal V0 subunit a1 [Source:Jamboree;Acc:XB-GENE-959346]	1.2245	0.0161
ENSXETG00000013734	ATP6V0D2	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d2 [Source:Jamboree;Acc:XB-GENE-957143]	3.2550	0.0006
ENSXETG00000009908	ATP6V1A	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A [Source:Jamboree;Acc:XB-GENE-479548]	1.2860	0.0032
ENSXETG00000004115	ATP6V1C1	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C1 [Source:Jamboree;Acc:XB-GENE-948409]	1.2106	0.0438
ENSXETG00000000869	ATP6V1E1	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1 [Source:Jamboree;Acc:XB-GENE-1006142]	1.2097	0.0354
ENSXETG00000010674	ATP8A2	ATPase, aminophospholipid transporter, class I, type 8A, member 2 [Source:Jamboree;Acc:XB-GENE-6036032]	1.2250	0.0291
ENSXETG00000012313	ATP9A	ATPase, class II, type 9A [Source:Jamboree;Acc:XB-GENE-942215]	1.2437	0.0071
ENSXETG00000000852	ATP9B	ATPase, class II, type 9B [Source:Jamboree;Acc:XB-GENE-1012387]	1.2365	0.0470
ENSXETG00000004357	ATRN	attractin [Source:Jamboree;Acc:XB-GENE-953934]	1.3879	0.0002
ENSXETG00000023806	ATRNL1	attractin-like 1 [Source:Jamboree;Acc:XB-GENE-6033278]	1.2060	0.0469
ENSXETG00000014184	ATXN1	ataxin 1 [Source:Jamboree;Acc:XB-GENE-982144]	1.1978	0.0347
ENSXETG00000017979	AVP	arginine vasopressin [Source:Jamboree;Acc:XB-GENE-478869]	2.8050	0.0000
ENSXETG00000001036	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6 [Source:Jamboree;Acc:XB-GENE-974114]	1.4246	0.0273
ENSXETG00000019184	B3GALTL	beta 1,3-galactosyltransferase-like [Source:Jamboree;Acc:XB-GENE-951583]	1.3004	0.0276
ENSXETG00000023018	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) [Source:Jamboree;Acc:XB-GENE-5956386]	1.3717	0.0005
ENSXETG00000020571	B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 [Source:Jamboree;Acc:XB-GENE-1007367]	1.3420	0.0005
ENSXETG00000006222	B4GALNT1	beta-1,4-N-acetyl-galactosaminyl transferase 1 [Source:Jamboree;Acc:XB-GENE-960512]	1.3434	0.0034
ENSXETG00000022374	BAAT	bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase) [Source:Jamboree;Acc:XB-GENE-5872601]	2.0727	0.0037
ENSXETG00000003749	BACE1	beta-site APP-cleaving enzyme 1 [Source:Jamboree;Acc:XB-GENE-5787150]	1.2269	0.0187
ENSXETG00000022850	BAG2	BCL2-associated athanogene 2 [Source:Jamboree;Acc:XB-GENE-966120]	2.6191	0.0015
ENSXETG00000010233	BAG3	BCL2-associated athanogene 3 [Source:Jamboree;Acc:XB-GENE-969277]	1.7222	0.0411
ENSXETG00000023051	BAG5	BCL2-associated athanogene 5 [Source:Jamboree;Acc:XB-GENE-957992]	1.3130	0.0208
ENSXETG00000021585	BAIAP3	BAI1-associated protein 3 [Source:Jamboree;Acc:XB-GENE-956301]	1.5114	0.0000
ENSXETG00000011159	BANK1	B-cell scaffold protein with ankyrin repeats 1 [Source:Jamboree;Acc:XB-GENE-952296]	1.2302	0.0189
ENSXETG00000020553	BCAS3	breast carcinoma amplified sequence 3 [Source:Jamboree;Acc:XB-GENE-6050317]	1.2076	0.0454
ENSXETG00000002206	BCL11A	B-cell CLL/lymphoma 11A (zinc finger protein) [Source:Jamboree;Acc:XB-GENE-486641]	1.4121	0.0408
ENSXETG00000019779	BCL6	B-cell CLL/lymphoma 6 [Source:Jamboree;Acc:XB-GENE-984479]	1.9732	0.0404
ENSXETG00000010069	BCL9L	B-cell CLL/lymphoma 9-like [Source:Jamboree;Acc:XB-GENE-921499]	1.2442	0.0151
ENSXETG00000009117	BEND7	BEN domain containing 7 [Source:Jamboree;Acc:XB-GENE-6039598]	1.8019	0.0022
ENSXETG00000005207	BHLHE40	basic helix-loop-helix family, member e40 [Source:Jamboree;Acc:XB-GENE-486416]	1.8588	0.0000
ENSXETG00000000473	BIN1	bridging integrator 1 [Source:Jamboree;Acc:XB-GENE-979735]	1.2081	0.0246
ENSXETG00000013316	BIRC7	baculoviral IAP repeat containing 7 [Source:Jamboree;Acc:XB-GENE-5914029]	1.7760	0.0368
ENSXETG00000010536	BMP1	bone morphogenetic protein 1 [Source:Jamboree;Acc:XB-GENE-479191]	1.7559	0.0000
ENSXETG00000008620	BMP4	bone morphogenetic protein 4 [Source:Jamboree;Acc:XB-GENE-483058]	1.6751	0.0001
ENSXETG00000011272	BMP7.1	bone morphogenetic protein 7, gene 1 [Source:Jamboree;Acc:XB-GENE-486014]	1.3978	0.0103
ENSXETG00000021129	BMPER	BMP binding endothelial regulator [Source:Jamboree;Acc:XB-GENE-480927]	1.7702	0.0245
ENSXETG00000025214	BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3 [Source:Jamboree;Acc:XB-GENE-971175]	1.4847	0.0000
ENSXETG00000023616	BPGM	2,3-bisphosphoglycerate mutase [Source:Jamboree;Acc:XB-GENE-981498]	1.5453	0.0000
ENSXETG00000017011	BRCA2	breast cancer 2, early onset [Source:Jamboree;Acc:XB-GENE-6453899]	1.3650	0.0042
ENSXETG00000015033	BROX	BRO1 domain and CAAX motif containing [Source:Jamboree;Acc:XB-GENE-5745545]	1.3297	0.0038
ENSXETG00000019750	BRS3	bombesin-like receptor 3 [Source:Jamboree;Acc:XB-GENE-960289]	13.2103	0.0001
ENSXETG00000023728	BRWD1	bromodomain and WD repeat domain containing 1 [Source:Jamboree;Acc:XB-GENE-992020]	1.2949	0.0213
ENSXETG00000002336	BTBD3	BTB (POZ) domain containing 3 [Source:Jamboree;Acc:XB-GENE-975947]	1.3079	0.0010
ENSXETG00000010760	BTBD9	BTB (POZ) domain containing 9 [Source:Jamboree;Acc:XB-GENE-947505]	1.3729	0.0014
ENSXETG00000022795	BZW2	basic leucine zipper and W2 domains 2 [Source:Jamboree;Acc:XB-GENE-983135]	1.2634	0.0056
ENSXETG00000024966	C10ORF54	chromosome 10 open reading frame 54 [Source:Jamboree;Acc:XB-GENE-946677]	2.2676	0.0000
ENSXETG00000017940	C11ORF41	chromosome 11 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-6258146]	1.5703	0.0000
ENSXETG00000006725	C11ORF66	chromosome 11 open reading frame 66 [Source:Jamboree;Acc:XB-GENE-961528]	2.8528	0.0000
ENSXETG00000010439	C11ORF73	chromosome 11 open reading frame 73 [Source:Jamboree;Acc:XB-GENE-967059]	1.7186	0.0000
ENSXETG00000006702	C11ORF9	chromosome 11 open reading frame 9 [Source:Jamboree;Acc:XB-GENE-1020968]	1.6577	0.0046
ENSXETG00000002534	C12ORF48	chromosome 12 open reading frame 48 [Source:Jamboree;Acc:XB-GENE-1004674]	1.7794	0.0052
ENSXETG00000004302	C12ORF51	chromosome 12 open reading frame 51 [Source:Jamboree;Acc:XB-GENE-5899475]	1.2651	0.0039
ENSXETG00000018908	C13ORF15	chromosome 13 open reading frame 15 [Source:Jamboree;Acc:XB-GENE-1006063]	2.1869	0.0000
ENSXETG00000013951	C14ORF129	chromosome 14 open reading frame 129 [Source:Jamboree;Acc:XB-GENE-987914]	1.4317	0.0007

ENSXETG00000005532	C16ORF45	chromosome 16 open reading frame 45 [Source:Jamboree;Acc:XB-GENE-963060]	1.2703	0.0311
ENSXETG00000012231	C17ORF101	chromosome 17 open reading frame 101 [Source:Jamboree;Acc:XB-GENE-6457975]	1.2649	0.0496
ENSXETG00000027066	C17ORF28	chromosome 17 open reading frame 28 [Source:Jamboree;Acc:XB-GENE-5807373]	1.2424	0.0318
ENSXETG00000015400	C17ORF56	chromosome 17 open reading frame 56 [Source:Jamboree;Acc:XB-GENE-994009]	1.2957	0.0310
ENSXETG00000019659	C18ORF1	chromosome 18 open reading frame 1 [Source:Jamboree;Acc:XB-GENE-953560]	1.4151	0.0000
ENSXETG00000006382	C19ORF28	chromosome 19 open reading frame 28 [Source:Jamboree;Acc:XB-GENE-995523]	1.4219	0.0323
ENSXETG00000022106	C19ORF29	chromosome 19 open reading frame 29 [Source:Jamboree;Acc:XB-GENE-5904057]	1.1987	0.0317
ENSXETG00000024675	C19ORF51	chromosome 19 open reading frame 51 [Source:Jamboree;Acc:XB-GENE-6258114]	1.5011	0.0204
ENSXETG00000002421	C1ORF114	chromosome 1 open reading frame 114 [Source:Jamboree;Acc:XB-GENE-972794]	1.4584	0.0007
ENSXETG00000010530	C1QB	complement component 1, q subcomponent, B chain [Source:Jamboree;Acc:XB-GENE-6251287]	1.3592	0.0150
ENSXETG00000003175	C1QL1	complement component 1, q subcomponent-like 1 [Source:Jamboree;Acc:XB-GENE-962848]	3.0373	0.0000
ENSXETG00000007450	C1QL3	complement component 1, q subcomponent-like 3 [Source:Jamboree;Acc:XB-GENE-992410]	2.7767	0.0000
ENSXETG00000005727	C1QTNF1	C1q and tumor necrosis factor related protein 1 [Source:Jamboree;Acc:XB-GENE-976340]	1.6452	0.0282
ENSXETG00000019933	C1QTNF4	C1q and tumor necrosis factor related protein 4 [Source:Jamboree;Acc:XB-GENE-975450]	1.2998	0.0033
ENSXETG00000009708	C1QTNF9B	C1q and tumor necrosis factor related protein 9B [Source:Jamboree;Acc:XB-GENE-5889142]	1.6169	0.0000
ENSXETG00000009697	C20ORF26	chromosome 20 open reading frame 26 [Source:Jamboree;Acc:XB-GENE-5796298]	2.1363	0.0016
ENSXETG00000012747	C20ORF27	chromosome 20 open reading frame 27 [Source:Jamboree;Acc:XB-GENE-5956504]	1.5754	0.0000
ENSXETG00000007319	C20ORF3	chromosome 20 open reading frame 3 [Source:Jamboree;Acc:XB-GENE-5754317]	2.3212	0.0000
ENSXETG00000006571	C2CD4C	C2 calcium-dependent domain containing 4C [Source:Jamboree;Acc:XB-GENE-5998006]	1.5099	0.0000
ENSXETG00000025397	C5ORF32	chromosome 5 open reading frame 32 homolog [Source:Jamboree;Acc:XB-GENE-5727646]	1.3732	0.0030
ENSXETG00000000453	C5ORF44	chromosome 5 open reading frame 44 [Source:Jamboree;Acc:XB-GENE-5802753]	1.2764	0.0196
ENSXETG00000000797	C6ORF168	chromosome 6 open reading frame 168 [Source:Jamboree;Acc:XB-GENE-985851]	1.2848	0.0073
ENSXETG00000021314	C6ORF186	chromosome 6 open reading frame 186 [Source:Jamboree;Acc:XB-GENE-5957361]	2.1167	0.0139
ENSXETG00000023441	C7ORF16	chromosome 7 open reading frame 16 [Source:Jamboree;Acc:XB-GENE-947109]	1.5236	0.0084
ENSXETG00000013426	C7ORF51	chromosome 7 open reading frame 51 [Source:Jamboree;Acc:XB-GENE-6462398]	1.2471	0.0153
ENSXETG00000004015	C7ORF52	chromosome 7 open reading frame 52 [Source:Jamboree;Acc:XB-GENE-5881951]	1.6961	0.0000
ENSXETG00000006766	C9	complement component 9 [Source:Jamboree;Acc:XB-GENE-968660]	2.1103	0.0048
ENSXETG00000020139	C9ORF100	chromosome 9 open reading frame 100 [Source:Jamboree;Acc:XB-GENE-6257690]	2.4263	0.0040
ENSXETG00000004152	C9ORF64	chromosome 9 open reading frame 64 [Source:Jamboree;Acc:XB-GENE-5804788]	1.2288	0.0148
ENSXETG00000009376	C9ORF72	chromosome 9 open reading frame 72 [Source:Jamboree;Acc:XB-GENE-5871697]	1.3623	0.0009
ENSXETG00000012458	CACNA1E	calcium channel, voltage-dependent, R type, alpha 1E subunit [Source:Jamboree;Acc:XB-GENE-1012852]	1.2367	0.0091
ENSXETG00000006824	CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit [Source:Jamboree;Acc:XB-GENE-993391]	1.7094	0.0000
ENSXETG00000022646	CACNA1H	calcium channel, voltage-dependent, T type, alpha 1H subunit [Source:Jamboree;Acc:XB-GENE-6042121]	1.2754	0.0041
ENSXETG00000007868	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1 [Source:Jamboree;Acc:XB-GENE-964524]	1.4162	0.0000
ENSXETG00000000900	CACNA2D4	calcium channel, voltage-dependent, alpha 2/delta subunit 4 [Source:Jamboree;Acc:XB-GENE-991123]	1.3933	0.0004
ENSXETG00000022755	CACNB2	calcium channel, voltage-dependent, beta 2 subunit [Source:Jamboree;Acc:XB-GENE-962360]	1.4536	0.0000
ENSXETG00000009800	CACNB3	calcium channel, voltage-dependent, beta 3 subunit [Source:Jamboree;Acc:XB-GENE-1011906]	1.2426	0.0448
ENSXETG00000021694	CACNB4	calcium channel, voltage-dependent, beta 4 subunit [Source:Jamboree;Acc:XB-GENE-1012455]	1.2693	0.0326
ENSXETG00000015391	CADM1	cell adhesion molecule 1 [Source:Jamboree;Acc:XB-GENE-6033349]	1.2225	0.0158
ENSXETG00000015112	CADM4	cell adhesion molecule 4 [Source:Jamboree;Acc:XB-GENE-992659]	1.2758	0.0013
ENSXETG00000022749	CADPS2	Ca++-dependent secretion activator 2 [Source:Jamboree;Acc:XB-GENE-6033825]	1.3332	0.0045
ENSXETG00000014607	CALB1	calbindin 1, 28kDa [Source:Jamboree;Acc:XB-GENE-951983]	1.4795	0.0000
ENSXETG00000013895	CALCRL	calcitonin receptor-like [Source:Jamboree;Acc:XB-GENE-5736126]	1.3937	0.0007
ENSXETG00000023672	CAMK1	calcium/calmodulin-dependent protein kinase I [Source:Jamboree;Acc:XB-GENE-1017139]	1.3566	0.0002
ENSXETG00000008939	CAMK1G	calcium/calmodulin-dependent protein kinase IG [Source:Jamboree;Acc:XB-GENE-6085002]	1.3239	0.0083
ENSXETG00000006460	CAMK2A	calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha [Source:Jamboree;Acc:XB-GENE-868353]	1.5889	0.0000
ENSXETG00000015547	CAMK2D	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta [Source:Jamboree;Acc:XB-GENE-868293]	1.4490	0.0000
ENSXETG00000017283	CAMK2N2	calcium/calmodulin-dependent protein kinase II inhibitor 2 [Source:Jamboree;Acc:XB-GENE-960926]	1.4359	0.0000
ENSXETG00000020962	CAMKK2	calcium/calmodulin-dependent protein kinase kinase 2, beta [Source:Jamboree;Acc:XB-GENE-990544]	1.4819	0.0024
ENSXETG00000002754	CAMKMT	calmodulin-lysine N-methyltransferase [Source:Jamboree;Acc:XB-GENE-5848106]	1.3986	0.0016
ENSXETG00000014191	CAP2	CAP, adenylate cyclase-associated protein, 2 [Source:Jamboree;Acc:XB-GENE-982188]	1.2913	0.0011
ENSXETG00000023299	CAPN1	calpain 1, (mu/I) large subunit [Source:Jamboree;Acc:XB-GENE-990196]	1.9307	0.0000
ENSXETG00000022056	CAPN13	calpain 13 [Source:Jamboree;Acc:XB-GENE-6045506]	2.4613	0.0012
ENSXETG00000009501	CAPNS1	calpain, small subunit 1 [Source:Jamboree;Acc:XB-GENE-6039680]	1.4502	0.0001
ENSXETG00000007023	CARD11	caspase recruitment domain family, member 11 [Source:Jamboree;Acc:XB-GENE-6076960]	1.4958	0.0381
ENSXETG00000020309	CASD1	CAS1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-994775]	1.2019	0.0374
ENSXETG00000011400	CASR	calcium-sensing receptor [Source:Jamboree;Acc:XB-GENE-6065247]	1.6249	0.0381
ENSXETG00000012950	CBLN1	cerebellin 1 precursor [Source:Jamboree;Acc:XB-GENE-978378]	1.3857	0.0003
ENSXETG00000016861	CBLN2	cerebellin 2 precursor [Source:Jamboree;Acc:XB-GENE-5897871]	1.3543	0.0002
ENSXETG00000015716	CBLN4	cerebellin 4 precursor [Source:Jamboree;Acc:XB-GENE-986703]	1.3690	0.0002
ENSXETG00000006910	CBX6	chromobox homolog 6 [Source:Jamboree;Acc:XB-GENE-951161]	1.6767	0.0000
ENSXETG00000006897	CBY1	chibby homolog 1 [Source:Jamboree;Acc:XB-GENE-856225]	1.2822	0.0071
ENSXETG00000005556	CC2D1A	coiled-coil and C2 domain containing 1A [Source:Jamboree;Acc:XB-GENE-5799124]	1.2966	0.0443
ENSXETG00000020325	CC2D2A	coiled-coil and C2 domain containing 2A [Source:Jamboree;Acc:XB-GENE-5909177]	2.4028	0.0010
ENSXETG00000006170	CCDC13	coiled-coil domain containing 13 [Source:Jamboree;Acc:XB-GENE-992948]	1.7214	0.0121
ENSXETG00000017448	CCDC134	coiled-coil domain containing 134 [Source:Jamboree;Acc:XB-GENE-951215]	1.2780	0.0019
ENSXETG00000014950	CCDC136	coiled-coil domain containing 136 [Source:Jamboree;Acc:XB-GENE-5992991]	1.7530	0.0000
ENSXETG00000013925	CCDC147	coiled-coil domain containing 147 [Source:Jamboree;Acc:XB-GENE-5719803]	2.0645	0.0001
ENSXETG00000004290	CCDC165	coiled-coil domain containing 165 [Source:Jamboree;Acc:XB-GENE-6047696]	1.3527	0.0007
ENSXETG00000013442	CCDC30	coiled-coil domain containing 30 [Source:Jamboree;Acc:XB-GENE-1004904]	1.3703	0.0015
ENSXETG00000009815	CCDC65	coiled-coil domain containing 65 [Source:Jamboree;Acc:XB-GENE-1002732]	1.5153	0.0090
ENSXETG00000006014	CCDC88B	coiled-coil domain containing 88B [Source:HGNC Symbol;Acc:HGNC:26757]	2.5536	0.0012
ENSXETG00000004420	CCDC89	coiled-coil domain containing 89 [Source:Jamboree;Acc:XB-GENE-5853491]	1.2962	0.0320
ENSXETG00000014940	CCDC93	coiled-coil domain containing 93 [Source:Jamboree;Acc:XB-GENE-5914327]	1.2253	0.0295
ENSXETG00000007370	CCPG1	cell cycle progression 1 [Source:Jamboree;Acc:XB-GENE-1017213]	1.2838	0.0032
ENSXETG00000011877	CD74	CD74 molecule, major histocompatibility complex, class II invariant chain [Source:Jamboree;Acc:XB-GENE-922847]	1.6890	0.0228
ENSXETG00000013234	CDC14A	CDC14 cell division cycle 14 homolog A [Source:Jamboree;Acc:XB-GENE-960625]	2.4371	0.0000
ENSXETG00000022112	CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like) [Source:Jamboree;Acc:XB-GENE-6037508]	1.2592	0.0034
ENSXETG00000018487	CDC42EP3	cdc42 effector protein (Rho GTPase binding) 3 [Source:Jamboree;Acc:XB-GENE-1015015]	1.3269	0.0061
ENSXETG00000022051	CDC42SE2	CDC42 small effector 2 [Source:Jamboree;Acc:XB-GENE-5744421]	1.5171	0.0000
ENSXETG00000020140	CDCP1	CUB domain containing protein 1 [Source:Jamboree;Acc:XB-GENE-968387]	2.4490	0.0019
ENSXETG00000020440	CDH12	cadherin 12, type 2 (N-cadherin 2) [Source:Jamboree;Acc:XB-GENE-982876]	1.3458	0.0017
ENSXETG00000006627	CDH13	cadherin 13, H-cadherin (heart) [Source:Jamboree;Acc:XB-GENE-5752189]	1.4272	0.0000
ENSXETG00000012238	CDH18	cadherin 18, type 2 [Source:Jamboree;Acc:XB-GENE-982900]	1.2654	0.0253
ENSXETG00000008671	CDH22	cadherin 22, type 2 [Source:Jamboree;Acc:XB-GENE-922905]	1.3396	0.0003
ENSXETG00000022648	CDH24	cadherin 24, type 2 [Source:Jamboree;Acc:XB-GENE-995690]	1.6247	0.0000
ENSXETG00000025992	CDH3	cadherin 3, type 1, P-cadherin (placental) [Source:Jamboree;Acc:XB-GENE-482277]	2.3606	0.0000
ENSXETG00000020131	CDH9	cadherin 9, type 2 (T1-cadherin) [Source:Jamboree;Acc:XB-GENE-6039319]	1.5308	0.0011
ENSXETG00000005632	CDHR1	cadherin-related family member 1 [Source:Jamboree;Acc:XB-GENE-478982]	2.4079	0.0331
ENSXETG00000019629	CDHR2	cadherin-related family member 2 [Source:Jamboree;Acc:XB-GENE-1004777]	1.9409	0.0006
ENSXETG00000003466	CDK14	cyclin-dependent kinase 14 [Source:Jamboree;Acc:XB-GENE-943250]	1.3268	0.0003
ENSXETG00000012405	CDK15	cyclin-dependent kinase 15 [Source:Jamboree;Acc:XB-GENE-961241]	1.5516	0.0000
ENSXETG00000001892	CDK17	cyclin-dependent kinase 17 [Source:Jamboree;Acc:XB-GENE-920552]	1.2139	0.0364
ENSXETG00000019709	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase) [Source:Jamboree;Acc:XB-GENE-6051219]	1.2227	0.0299
ENSXETG00000024887	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1) [Source:Jamboree;Acc:XB-GENE-487802]	2.4834	0.0000
ENSXETG00000004589	CDX4	caudal type homeobox 4 [Source:Jamboree;Acc:XB-GENE-482787]	1.2317	0.0069
ENSXETG00000021992	CELF2	CUGBP, Elav-like family member 2 [Source:Jamboree;Acc:XB-GENE-963640]	1.4196	0.0013
ENSXETG00000014344	CELF5	CUGBP, Elav-like family member 5 [Source:Jamboree;Acc:XB-GENE-494002]	1.2046	0.0229
ENSXETG00000021069	CEP135	centrosomal protein 135kDa [Source:Jamboree;Acc:XB-GENE-966019]	1.1764	0.0483
ENSXETG00000024528	CFAP70	cilia and flagella associated protein 70 [Source:HGNC Symbol;Acc:HGNC:30726]	2.5493	0.0000
ENSXETG00000020726	CGN	cingulin [Source:Jamboree;Acc:XB-GENE-1009257]	1.3249	0.0059
ENSXETG00000006832	CHAD	chondroadherin [Source:Jamboree;Acc:XB-GENE-957654]	1.5973	0.0000
ENSXETG00000012991	CHD3	chromodomain helicase DNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-1008908]	1.3363	0.0002
ENSXETG00000002904	CHD5	chromodomain helicase DNA binding protein 5 [Source:Jamboree;Acc:XB-GENE-955461]	1.3453	0.0002
ENSXETG00000015003	CHN1	chimerin (chimaerin) 1 [Source:Jamboree;Acc:XB-GENE-852930]	1.2412	0.0108
ENSXETG00000012047	CHN2	chimerin (chimaerin) 2 [Source:Jamboree;Acc:XB-GENE-950874]	1.2272	0.0333

ENSXETG00000016229	CHRM3	cholinergic receptor, muscarinic 3 [Source:Jamboree;Acc:XB-GENE-940647]	1.5908	0.0000
ENSXETG00000016395	CHRNA7	cholinergic receptor, nicotinic, alpha 7 [Source:Jamboree;Acc:XB-GENE-990456]	1.2601	0.0217
ENSXETG00000022131	CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2 [Source:Jamboree;Acc:XB-GENE-991540]	1.4153	0.0000
ENSXETG00000019690	CIDEA	cell death-inducing DFFA-like effector a [Source:Jamboree;Acc:XB-GENE-953574]	1.7613	0.0000
ENSXETG00000006650	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase [Source:Jamboree;Acc:XB-GENE-922666]	2.8384	0.0089
ENSXETG00000012183	CIT	citron (rho-interacting, serine/threonine kinase 21) [Source:Jamboree;Acc:XB-GENE-981097]	1.2501	0.0079
ENSXETG00000000506	CLCA1	chloride channel accessory 1 [Source:Jamboree;Acc:XB-GENE-6043674]	4.3087	0.0002
ENSXETG00000017289	CLCN2	chloride channel 2 [Source:Jamboree;Acc:XB-GENE-494657]	1.2340	0.0159
ENSXETG00000023146	CLCN3	chloride channel 3 [Source:Jamboree;Acc:XB-GENE-950794]	1.2199	0.0258
ENSXETG00000015727	CLCN4	chloride channel 4 [Source:Jamboree;Acc:XB-GENE-949931]	1.2511	0.0092
ENSXETG00000012694	CLEC3A	C-type lectin domain family 3, member A [Source:Jamboree;Acc:XB-GENE-986191]	1.6708	0.0018
ENSXETG00000021064	CLOCK	clock homolog [Source:Jamboree;Acc:XB-GENE-495448]	1.2917	0.0066
ENSXETG00000023798	CLU	clusterin [Source:Jamboree;Acc:XB-GENE-5940737]	3.8562	0.0003
ENSXETG00000013750	CNGB1	cyclic nucleotide gated channel beta 1 [Source:Jamboree;Acc:XB-GENE-980342]	1.9350	0.0000
ENSXETG00000008423	CNIH2	cornichon homolog 2 [Source:Jamboree;Acc:XB-GENE-952875]	1.2952	0.0033
ENSXETG00000010286	CNKSR2	connector enhancer of kinase suppressor of Ras 2 [Source:Jamboree;Acc:XB-GENE-490704]	1.6291	0.0001
ENSXETG00000018427	CNNM1	cyclin M1 [Source:Jamboree;Acc:XB-GENE-989587]	1.3008	0.0268
ENSXETG00000005380	CNR1	cannabinoid receptor 1 (brain) [Source:Jamboree;Acc:XB-GENE-962201]	1.4165	0.0329
ENSXETG00000015810	CNTN1	contactin 1 [Source:Jamboree;Acc:XB-GENE-491714]	1.2567	0.0187
ENSXETG00000015325	CNTN2	contactin 2 (axonal) [Source:Jamboree;Acc:XB-GENE-6070188]	1.5515	0.0000
ENSXETG00000005492	CNTN5	contactin 5 [Source:Jamboree;Acc:XB-GENE-953061]	1.2438	0.0146
ENSXETG00000020201	CNTNAP1	contactin associated protein 1 [Source:Jamboree;Acc:XB-GENE-963972]	1.6248	0.0000
ENSXETG00000010874	CNTNAP4	contactin associated protein-like 4 [Source:Jamboree;Acc:XB-GENE-6052455]	1.2753	0.0036
ENSXETG00000019807	CNTRL	centriolin [Source:Jamboree;Acc:XB-GENE-959037]	1.4244	0.0107
ENSXETG00000010839	COL11A1	collagen, type XI, alpha 1 [Source:HGNC Symbol;Acc:HGNC:2186]	1.2454	0.0337
ENSXETG00000003603	COL12A1	collagen, type XII, alpha 1 [Source:Jamboree;Acc:XB-GENE-1012295]	2.4683	0.0000
ENSXETG00000024763	COL20A1	collagen, type XX, alpha 1 [Source:Jamboree;Acc:XB-GENE-6047460]	1.6147	0.0003
ENSXETG00000022756	COL21A1	collagen, type XXI, alpha 1 [Source:Jamboree;Acc:XB-GENE-952329]	3.0389	0.0234
ENSXETG00000003092	COL24A1	collagen, type XXIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-980334]	2.0623	0.0000
ENSXETG00000021097	COL25A1.2	collagen, type XXV, alpha 1, gene 2 [Source:RefSeq peptide;Acc:NP_001123747]	1.3128	0.0015
ENSXETG00000021972	COL27A1	collagen, type XXVII, alpha 1 [Source:Jamboree;Acc:XB-GENE-6032747]	1.8839	0.0000
ENSXETG00000005085	COL4A3BP	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein [Source:Jamboree;Acc:XB-GENE-1002414]	1.2326	0.0304
ENSXETG00000011757	COL5A3	collagen, type V, alpha 3 [Source:HGNC Symbol;Acc:HGNC:14864]	2.8419	0.0495
ENSXETG00000011486	COL6A1	collagen, type VI, alpha 1 [Source:Jamboree;Acc:XB-GENE-998856]	1.6971	0.0000
ENSXETG00000001204	COLEC11	collectin sub-family member 11 [Source:Jamboree;Acc:XB-GENE-952506]	3.0611	0.0000
ENSXETG00000002235	COMMD1	copper metabolism (Murr1) domain containing 1 [Source:Jamboree;Acc:XB-GENE-961919]	1.2836	0.0133
ENSXETG00000024946	COMT.2	catechol-O-methyltransferase [Source:Jamboree;Acc:XB-GENE-5865481]	1.2828	0.0019
ENSXETG00000025308	CORO2B	coronin, actin binding protein, 2B [Source:Jamboree;Acc:XB-GENE-1014762]	1.5622	0.0000
ENSXETG00000013325	COTL1	coactosin-like 1 (Dictyostelium) [Source:Jamboree;Acc:XB-GENE-943481]	1.2613	0.0107
ENSXETG00000017037	CPE	carboxypeptidase E [Source:Jamboree;Acc:XB-GENE-952270]	1.4455	0.0003
ENSXETG00000010660	CPEB1	cytoplasmic polyadenylation element binding protein 1 [Source:Jamboree;Acc:XB-GENE-946167]	1.3151	0.0422
ENSXETG00000007163	CPLX1	complexin 1 [Source:Jamboree;Acc:XB-GENE-5815523]	1.3817	0.0000
ENSXETG00000021136	CPLX3	complexin 3 [Source:Jamboree;Acc:XB-GENE-978410]	1.8879	0.0000
ENSXETG00000019836	CPNE7	copine VII [Source:Jamboree;Acc:XB-GENE-983652]	1.2878	0.0021
ENSXETG00000005146	CRBN	cereblon [Source:Jamboree;Acc:XB-GENE-973907]	1.2856	0.0128
ENSXETG00000024221	CREB3	cAMP responsive element binding protein 3 [Source:Jamboree;Acc:XB-GENE-959045]	1.3986	0.0374
ENSXETG00000002133	CREB3L4	cAMP responsive element binding protein 3-like 4 [Source:Jamboree;Acc:XB-GENE-5761389]	2.9773	0.0070
ENSXETG00000023532	CRELD1	cysteine-rich with EGF-like domains 1 [Source:Jamboree;Acc:XB-GENE-982818]	1.2811	0.0139
ENSXETG00000005305	CRHR1.2	corticotropin releasing hormone receptor 1, gene 2 [Source:Jamboree;Acc:XB-GENE-968267]	1.4010	0.0003
ENSXETG00000010373	CRIM1	cysteine rich transmembrane BMP regulator 1 (chordin-like) [Source:Jamboree;Acc:XB-GENE-481452]	1.3241	0.0003
ENSXETG00000024478	CRIP1	cysteine-rich protein 1 (intestinal) [Source:Jamboree;Acc:XB-GENE-953194]	1.4708	0.0000
ENSXETG00000000135	CRIP2	cysteine-rich protein 2 [Source:Jamboree;Acc:XB-GENE-953187]	1.3533	0.0018
ENSXETG00000013421	CROCC	ciliary rootlet coiled-coil, rootletin [Source:Jamboree;Acc:XB-GENE-996807]	1.2150	0.0373
ENSXETG00000025547	CRYGC	crystallin, gamma C [Source:Jamboree;Acc:XB-GENE-954819]	2.7204	0.0000
ENSXETG00000002645	CRYL1	crystallin, lambda 1 [Source:Jamboree;Acc:XB-GENE-945577]	1.3394	0.0379
ENSXETG00000016698	CRYM	crystallin, mu [Source:Jamboree;Acc:XB-GENE-970817]	1.4842	0.0146
ENSXETG00000004463	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1 [Source:Jamboree;Acc:XB-GENE-976931]	1.6771	0.0053
ENSXETG00000007710	CSMD1	CUB and Sushi multiple domains 1 [Source:HGNC Symbol;Acc:HGNC:14026]	1.7127	0.0000
ENSXETG00000009634	CSRNP2	cysteine-serine-rich nuclear protein 2 [Source:Jamboree;Acc:XB-GENE-983697]	1.2612	0.0091
ENSXETG00000001063	CST3	cystatin C [Source:Jamboree;Acc:XB-GENE-5873171]	1.3357	0.0336
ENSXETG00000026836	CTIF	CBP80/20-dependent translation initiation factor [Source:Jamboree;Acc:XB-GENE-5882041]	1.2536	0.0095
ENSXETG00000024956	CTSD	cathepsin D [Source:Jamboree;Acc:XB-GENE-5906945]	1.1938	0.0421
ENSXETG00000017109	CTSF	cathepsin F [Source:Jamboree;Acc:XB-GENE-5876529]	1.2533	0.0082
ENSXETG00000007899	CXCL14	chemokine (C-X-C motif) ligand 14 [Source:Jamboree;Acc:XB-GENE-944199]	1.5212	0.0002
ENSXETG00000008472	CYCT	cytochrome c, testis [Source:Jamboree;Acc:XB-GENE-5931974]	1.2750	0.0124
ENSXETG00000020758	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-953895]	2.4937	0.0000
ENSXETG00000017527	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-479201]	8.1940	0.0052
ENSXETG00000018184	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-855583]	1.4616	0.0172
ENSXETG00000027748	CYP26C1	cytochrome P450, family 26, subfamily C, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-1219115]	1.4823	0.0166
ENSXETG00000025024	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-5871552]	4.1890	0.0024
ENSXETG00000003885	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2 [Source:Jamboree;Acc:XB-GENE-6258041]	4.2660	0.0000
ENSXETG00000024063	CYTH3	cytohesin 3 [Source:Jamboree;Acc:XB-GENE-941327]	1.2420	0.0085
ENSXETG00000000667	DAB2IP	DAB2 interacting protein [Source:HGNC Symbol;Acc:HGNC:17294]	1.2445	0.0111
ENSXETG00000022308	DAO	D-amino-acid oxidase [Source:Jamboree;Acc:XB-GENE-976198]	1.3772	0.0377
ENSXETG00000017571	DAPK1	death-associated protein kinase 1 [Source:Jamboree;Acc:XB-GENE-1011852]	1.2352	0.0204
ENSXETG00000006396	DAPK3	death-associated protein kinase 3 [Source:Jamboree;Acc:XB-GENE-969752]	1.2762	0.0221
ENSXETG00000000244	DBC1	deleted in bladder cancer 1 [Source:Jamboree;Acc:XB-GENE-1011965]	1.2796	0.0031
ENSXETG00000023110	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase) [Source:Jamboree;Acc:XB-GENE-959495]	2.1921	0.0000
ENSXETG00000019847	DBNDD1	dysbindin (dystrobrevin binding protein 1) domain containing 1 [Source:Jamboree;Acc:XB-GENE-983679]	1.9041	0.0000
ENSXETG00000003160	DBP	D site of albumin promoter (albumin D-box) binding protein [Source:Jamboree;Acc:XB-GENE-5995286]	2.1837	0.0000
ENSXETG00000001810	DCHS2	dachsous 2 [Source:Jamboree;Acc:XB-GENE-6048959]	2.5630	0.0000
ENSXETG00000017114	DCLK2	doublecortin-like kinase 2 [Source:Jamboree;Acc:XB-GENE-960590]	1.1966	0.0214
ENSXETG00000005403	DCLRE1C	DNA cross-link repair 1C [Source:Jamboree;Acc:XB-GENE-952753]	1.4521	0.0259
ENSXETG00000006900	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17 [Source:Jamboree;Acc:XB-GENE-1000758]	1.2921	0.0078
ENSXETG00000009200	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 [Source:Jamboree;Acc:XB-GENE-980097]	2.7633	0.0000
ENSXETG00000018586	DEGS1	degenerative spermatocyte homolog 1, lipid desaturase [Source:Jamboree;Acc:XB-GENE-946874]	1.2436	0.0172
ENSXETG00000012858	DEGS3	degenerative spermatocyte homolog 3, lipid desaturase [Source:Jamboree;Acc:XB-GENE-5801015]	5.6243	0.0000
ENSXETG00000004425	DENND5A	DENN/MADD domain containing 5A [Source:Jamboree;Acc:XB-GENE-970289]	1.2762	0.0025
ENSXETG00000014264	DFNB31	deafness, autosomal recessive 31 [Source:Jamboree;Acc:XB-GENE-989669]	1.6807	0.0000
ENSXETG00000025317	DGAT2	diacylglycerol O-acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-1017054]	2.0076	0.0000
ENSXETG00000005053	DGKB	diacylglycerol kinase, beta 90kDa [Source:Jamboree;Acc:XB-GENE-5870147]	1.4327	0.0001
ENSXETG00000001324	DGKE	diacylglycerol kinase, epsilon 64kDa [Source:Jamboree;Acc:XB-GENE-990685]	1.4758	0.0000
ENSXETG00000014560	DGKH	diacylglycerol kinase, eta [Source:Jamboree;Acc:XB-GENE-955943]	1.5106	0.0000
ENSXETG00000004913	DGKQ	diacylglycerol kinase, theta 110kDa [Source:Jamboree;Acc:XB-GENE-868466]	1.3209	0.0020
ENSXETG00000006052	DHRS7B	dehydrogenase/reductase (SDR family) member 7B [Source:Jamboree;Acc:XB-GENE-946473]	1.5373	0.0000
ENSXETG00000018132	DIAPH2	diaphanous homolog 2 [Source:Jamboree;Acc:XB-GENE-6258603]	1.2496	0.0297
ENSXETG00000000216	DIEXF	digestive organ expansion factor homolog (zebrafish) [Source:Jamboree;Acc:XB-GENE-1002187]	1.1924	0.0440
ENSXETG00000024414	DIO3	deiodinase, iodothyronine, type 3 [Source:Jamboree;Acc:XB-GENE-487490]	12.1639	0.0000
ENSXETG00000007284	DIP2B	DIP2 disco-interacting protein 2 homolog B [Source:Jamboree;Acc:XB-GENE-1011309]	1.1994	0.0387
ENSXETG00000000810	DIRAS2	DIRAS family, GTP-binding RAS-like 2 [Source:Jamboree;Acc:XB-GENE-485682]	1.8839	0.0000
ENSXETG00000012022	DIRC2	disrupted in renal carcinoma 2 [Source:Jamboree;Acc:XB-GENE-488397]	1.3687	0.0019
ENSXETG00000015029	DISP1	dispatched homolog 1 [Source:Jamboree;Acc:XB-GENE-1018540]	1.3771	0.0044
ENSXETG00000013393	DISP2	dispatched homolog 2 [Source:Jamboree;Acc:XB-GENE-994606]	1.3089	0.0053
ENSXETG00000010185	DIXDC1	DIX domain containing 1 [Source:Jamboree;Acc:XB-GENE-6039929]	1.4472	0.0000
ENSXETG00000005630	DLC1	deleted in liver cancer 1 [Source:Jamboree;Acc:XB-GENE-482055]	1.3668	0.0134
ENSXETG00000003464	DLG1	discs, large homolog 1 [Source:Jamboree;Acc:XB-GENE-1016132]	1.2739	0.0034

ENSXETG00000012737	DLG2	discs, large homolog 2 [Source:Jamboree;Acc:XB-GENE-940638]	1.5906	0.0000
ENSXETG00000018090	DLG5	discs, large homolog 5 [Source:Jamboree;Acc:XB-GENE-978275]	1.3963	0.0224
ENSXETG00000007097	DLGAP3	discs, large homolog-associated protein 3 [Source:Jamboree;Acc:XB-GENE-1013367]	1.3359	0.0009
ENSXETG00000007533	DLX1	distal-less homeobox 1 [Source:Jamboree;Acc:XB-GENE-876850]	1.2380	0.0262
ENSXETG00000016572	DLX5	distal-less homeobox 5 [Source:Jamboree;Acc:XB-GENE-853057]	1.3025	0.0270
ENSXETG00000018553	DNAH14	dynein, axonemal, heavy chain 14 [Source:Jamboree;Acc:XB-GENE-5960869]	1.9710	0.0000
ENSXETG00000019286	DNAJB2	DnaJ (Hsp40) homolog, subfamily B, member 2 [Source:Jamboree;Acc:XB-GENE-951530]	1.2799	0.0140
ENSXETG00000013144	DNAJB4	DnaJ (Hsp40) homolog, subfamily B, member 4 [Source:Jamboree;Acc:XB-GENE-1007708]	1.4371	0.0044
ENSXETG00000021184	DNAJC27	DnaJ (Hsp40) homolog, subfamily C, member 27 [Source:Jamboree;Acc:XB-GENE-490420]	1.5266	0.0000
ENSXETG00000000061	DNAL1	dynein, axonemal, light chain 1 [Source:Jamboree;Acc:XB-GENE-983792]	1.3186	0.0119
ENSXETG00000001232	DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha [Source:Jamboree;Acc:XB-GENE-959529]	1.2078	0.0158
ENSXETG00000005142	DOCK10	dedicator of cytokinesis 10 [Source:Jamboree;Acc:XB-GENE-1004971]	1.4266	0.0000
ENSXETG00000019922	DOCK2	dedicator of cytokinesis 2 [Source:Jamboree;Acc:XB-GENE-990617]	1.8478	0.0000
ENSXETG00000000074	DOCK3	dedicator of cytokinesis 3 [Source:Jamboree;Acc:XB-GENE-855883]	1.6338	0.0000
ENSXETG00000009251	DOCK4	dedicator of cytokinesis 4 [Source:Jamboree;Acc:XB-GENE-489778]	1.3930	0.0001
ENSXETG00000014119	DOPEY2	dopey family member 2 [Source:Jamboree;Acc:XB-GENE-1217366]	1.4039	0.0000
ENSXETG00000021846	DPF3	D4, zinc and double PHD fingers, family 3 [Source:Jamboree;Acc:XB-GENE-6067294]	1.2638	0.0079
ENSXETG00000006574	DPP6	dipeptidyl-peptidase 6 [Source:Jamboree;Acc:XB-GENE-999312]	1.3069	0.0006
ENSXETG00000015632	DSEL	dermatan sulfate epimerase-like [Source:Jamboree;Acc:XB-GENE-993490]	1.3194	0.0060
ENSXETG00000000790	DTD1	D-tyrosyl-tRNA deacylase 1 homolog [Source:Jamboree;Acc:XB-GENE-958228]	1.4519	0.0030
ENSXETG00000001233	DTNB	dystrobrevin, beta [Source:Jamboree;Acc:XB-GENE-979789]	1.3107	0.0425
ENSXETG00000020310	DYM	dymeclin [Source:Jamboree;Acc:XB-GENE-5729291]	1.2554	0.0247
ENSXETG00000016031	EDAR	ectodysplasin A receptor [Source:Jamboree;Acc:XB-GENE-945379]	2.5117	0.0035
ENSXETG00000019793	EDIL3	EGF-like repeats and discoidin I-like domains 3 [Source:Jamboree;Acc:XB-GENE-853572]	1.2946	0.0015
ENSXETG00000015440	EDN1	endothelin 1 [Source:Jamboree;Acc:XB-GENE-491328]	1.9681	0.0121
ENSXETG00000018387	EDNRB2	endothelin receptor B subtype 2 [Source:Jamboree;Acc:XB-GENE-1219159]	1.6930	0.0000
ENSXETG00000019567	EEF1A2	eukaryotic translation elongation factor 1 alpha 2 [Source:Jamboree;Acc:XB-GENE-975439]	1.2582	0.0109
ENSXETG00000017952	EFCAB5	EF-hand calcium binding domain 5 [Source:Jamboree;Acc:XB-GENE-5821001]	2.0995	0.0333
ENSXETG00000004863	EFCAB6	EF-hand calcium binding domain 6 [Source:Jamboree;Acc:XB-GENE-996672]	2.0919	0.0000
ENSXETG00000006076	EFEMP1	EGF containing fibulin-like extracellular matrix protein 1 [Source:Jamboree;Acc:XB-GENE-1012537]	1.5458	0.0245
ENSXETG00000014500	EFHA2	EF-hand domain family, member A2 [Source:Jamboree;Acc:XB-GENE-959526]	1.4213	0.0340
ENSXETG00000012127	EFHD1	EF-hand domain family, member D1 [Source:Jamboree;Acc:XB-GENE-5738953]	1.2502	0.0249
ENSXETG00000017801	EFNB2	ephrin-B2 [Source:Jamboree;Acc:XB-GENE-488606]	1.8385	0.0419
ENSXETG00000023031	EFR3A	EFR3 homolog A [Source:Jamboree;Acc:XB-GENE-493102]	1.4320	0.0000
ENSXETG00000022070	EHD3	EH-domain containing 3 [Source:Jamboree;Acc:XB-GENE-961795]	1.4551	0.0000
ENSXETG00000015794	EHD4	EH-domain containing 4 [Source:Jamboree;Acc:XB-GENE-1000711]	1.3166	0.0134
ENSXETG00000019631	EIF4E1B	eukaryotic translation initiation factor 4E family member 1B [Source:Jamboree;Acc:XB-GENE-6258261]	1.4778	0.0001
ENSXETG00000007361	ELMO1	engulfment and cell motility 1 [Source:Jamboree;Acc:XB-GENE-986985]	1.2565	0.0112
ENSXETG00000019012	ELMOD3	ELMO/CED-12 domain containing 3 [Source:Jamboree;Acc:XB-GENE-999400]	1.2712	0.0429
ENSXETG00000016463	EML2	echinoderm microtubule associated protein like 2 [Source:Jamboree;Acc:XB-GENE-977931]	3.1608	0.0007
ENSXETG00000005628	EML3	echinoderm microtubule associated protein like 3 [Source:Jamboree;Acc:XB-GENE-6046288]	1.2571	0.0263
ENSXETG00000006002	EML4	echinoderm microtubule associated protein like 4 [Source:Jamboree;Acc:XB-GENE-971027]	1.3481	0.0003
ENSXETG00000007078	ENDOD1	endonuclease domain containing 1 [Source:Jamboree;Acc:XB-GENE-877303]	1.2940	0.0053
ENSXETG00000020214	ENGASE	endo-beta-N-acetylglucosaminidase [Source:Jamboree;Acc:XB-GENE-981873]	1.2432	0.0453
ENSXETG00000019612	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2 [Source:Jamboree;Acc:XB-GENE-5810181]	1.3561	0.0489
ENSXETG00000022015	ENTPD3	ectonucleoside triphosphate diphosphohydrolase 3 [Source:Jamboree;Acc:XB-GENE-1012972]	1.7999	0.0000
ENSXETG00000026167	EPAS1	endothelial PAS domain protein 1 [Source:Jamboree;Acc:XB-GENE-981612]	1.7759	0.0000
ENSXETG00000017584	EPHA6	EPH receptor A6 [Source:Jamboree;Acc:XB-GENE-6032564]	1.6960	0.0000
ENSXETG00000017581	EPHX2	epoxide hydrolase 2, cytoplasmic [Source:Jamboree;Acc:XB-GENE-947544]	1.3657	0.0376
ENSXETG00000023020	EPHX4	epoxide hydrolase 4 [Source:Jamboree;Acc:XB-GENE-983897]	1.2812	0.0258
ENSXETG00000017691	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin) [Source:Jamboree;Acc:XB-GENE-965638]	1.4749	0.0344
ENSXETG00000022526	EPS8	epidermal growth factor receptor pathway substrate 8 [Source:Jamboree;Acc:XB-GENE-996936]	1.3630	0.0006
ENSXETG00000009409	ERC1	ELKS/RAB6-interacting/CAST family member 1 [Source:Jamboree;Acc:XB-GENE-956039]	1.2650	0.0040
ENSXETG00000000929	ERC2	ELKS/RAB6-interacting/CAST family member 2 [Source:Jamboree;Acc:XB-GENE-1013677]	1.3973	0.0447
ENSXETG00000012205	ERO1L	ERO1-like [Source:Jamboree;Acc:XB-GENE-978124]	1.2594	0.0415
ENSXETG00000012364	ESR1	estrogen receptor 1 [Source:Jamboree;Acc:XB-GENE-482193]	4.8369	0.0048
ENSXETG00000023724	ETS2	v-ets erythroblastosis virus E26 oncogene homolog 2 [Source:Jamboree;Acc:XB-GENE-6084129]	1.2791	0.0399
ENSXETG00000023005	EVI5	ecotropic viral integration site 5 [Source:Jamboree;Acc:XB-GENE-983877]	1.2466	0.0147
ENSXETG00000007546	EXT2	exostosin 2 [Source:Jamboree;Acc:XB-GENE-867542]	1.2222	0.0351
ENSXETG00000000110	EYA4	eyes absent homolog 4 [Source:Jamboree;Acc:XB-GENE-485487]	1.9430	0.0049
ENSXETG00000007676	FA2H	fatty acid 2-hydroxylase [Source:Jamboree;Acc:XB-GENE-1014400]	1.6283	0.0055
ENSXETG00000018191	FAAH2	fatty acid amide hydrolase 2 [Source:Jamboree;Acc:XB-GENE-6036595]	1.3527	0.0107
ENSXETG00000020393	FAIM2	Fas apoptotic inhibitory molecule 2 [Source:Jamboree;Acc:XB-GENE-953203]	1.8396	0.0000
ENSXETG00000027505	FAM101A	family with sequence similarity 101, member A [Source:Jamboree;Acc:XB-GENE-986501]	1.6465	0.0100
ENSXETG00000022429	FAM101B	family with sequence similarity 101, member B [Source:Jamboree;Acc:XB-GENE-962746]	1.4588	0.0174
ENSXETG00000009948	FAM102B	family with sequence similarity 102, member B [Source:Jamboree;Acc:XB-GENE-976236]	1.2791	0.0047
ENSXETG00000001725	FAM105B	family with sequence similarity 105, member B [Source:Jamboree;Acc:XB-GENE-6050196]	1.4810	0.0399
ENSXETG00000008652	FAM107A	family with sequence similarity 107, member A [Source:Jamboree;Acc:XB-GENE-986180]	1.6722	0.0000
ENSXETG00000019644	FAM110A	family with sequence similarity 110, member A [Source:Jamboree;Acc:XB-GENE-1014258]	1.3240	0.0274
ENSXETG00000016766	FAM110C	family with sequence similarity 110, member C [Source:Jamboree;Acc:XB-GENE-7007322]	1.8730	0.0000
ENSXETG00000008657	FAM116A	family with sequence similarity 116, member A [Source:Jamboree;Acc:XB-GENE-6048657]	1.1915	0.0364
ENSXETG00000017288	FAM131A	family with sequence similarity 131, member A [Source:Jamboree;Acc:XB-GENE-939986]	1.2370	0.0209
ENSXETG00000007538	FAM134B	family with sequence similarity 134, member B [Source:Jamboree;Acc:XB-GENE-982868]	1.2690	0.0044
ENSXETG00000005119	FAM13C	family with sequence similarity 13, member C [Source:Jamboree;Acc:XB-GENE-954807]	1.2071	0.0491
ENSXETG00000010517	FAM160A2	family with sequence similarity 160, member A2 [Source:Jamboree;Acc:XB-GENE-6040539]	1.2594	0.0093
ENSXETG00000010539	FAM160B2	family with sequence similarity 160, member B2 [Source:Jamboree;Acc:XB-GENE-5801105]	1.4747	0.0002
ENSXETG00000025405	FAM196B	family with sequence similarity 196, member B [Source:HGNC Symbol;Acc:HGNC:37271]	1.8633	0.0000
ENSXETG00000025541	FAM19A5	family with sequence similarity 19 (chemokine (C-C motif)-like), member A5 [Source:Jamboree;Acc:XB-GENE-6077084]	1.2543	0.0125
ENSXETG00000018202	FAM228B	hypothetical protein LOC375190 [Source:Jamboree;Acc:XB-GENE-5880602]	1.4154	0.0056
ENSXETG00000003453	FAM43A	family with sequence similarity 43, member A [Source:Jamboree;Acc:XB-GENE-5860868]	1.4008	0.0000
ENSXETG00000015482	FAM49A	family with sequence similarity 49, member A [Source:Jamboree;Acc:XB-GENE-854180]	1.2564	0.0053
ENSXETG00000022986	FAM5C	family with sequence similarity 5, member C [Source:Jamboree;Acc:XB-GENE-985662]	1.3359	0.0018
ENSXETG00000014815	FAM65B	family with sequence similarity 65, member B [Source:Jamboree;Acc:XB-GENE-5965443]	1.8446	0.0000
ENSXETG00000023002	FAM69A	family with sequence similarity 69, member A [Source:Jamboree;Acc:XB-GENE-951303]	1.3843	0.0014
ENSXETG00000001478	FAM78A	family with sequence similarity 78, member A [Source:Jamboree;Acc:XB-GENE-1012292]	1.6446	0.0124
ENSXETG00000022667	FAM83G	family with sequence similarity 83, member G [Source:Jamboree;Acc:XB-GENE-6258742]	2.3493	0.0000
ENSXETG00000023243	FAM91A1	family with sequence similarity 91, member A1 [Source:Jamboree;Acc:XB-GENE-5796830]	1.2813	0.0083
ENSXETG00000022551	FANK1	fibronectin type III and ankyrin repeat domains 1 [Source:Jamboree;Acc:XB-GENE-6084370]	2.5754	0.0000
ENSXETG00000008779	FBN1	fibrillin 1 [Source:Jamboree;Acc:XB-GENE-954190]	1.3666	0.0024
ENSXETG00000015532	FBXL16	F-box and leucine-rich repeat protein 16 [Source:Jamboree;Acc:XB-GENE-5821642]	1.3080	0.0019
ENSXETG00000007903	FBXL21	F-box and leucine-rich repeat protein 21 [Source:Jamboree;Acc:XB-GENE-987711]	1.4626	0.0241
ENSXETG00000015463	FBXL3	F-box and leucine-rich repeat protein 3 [Source:Jamboree;Acc:XB-GENE-1014531]	1.3476	0.0316
ENSXETG00000021150	FBXO16	F-box protein 16 [Source:Jamboree;Acc:XB-GENE-1013516]	1.4340	0.0100
ENSXETG00000016768	FBXO25	F-box protein 25 [Source:Jamboree;Acc:XB-GENE-1003978]	1.2717	0.0157
ENSXETG00000023228	FBXO32	F-box protein 32 [Source:Jamboree;Acc:XB-GENE-959057]	1.5862	0.0000
ENSXETG00000011776	FBXO41	F-box protein 41 [Source:Jamboree;Acc:XB-GENE-966908]	1.3231	0.0004
ENSXETG00000016431	FCHO1	FCH domain only 1 [Source:Jamboree;Acc:XB-GENE-5946032]	1.4260	0.0000
ENSXETG00000015460	FES	feline sarcoma oncogene [Source:Jamboree;Acc:XB-GENE-6067138]	1.6514	0.0013
ENSXETG00000019566	FGF1	fibroblast growth factor 1 (acidic) [Source:Jamboree;Acc:XB-GENE-485966]	3.6846	0.0000
ENSXETG00000002144	FGF12	fibroblast growth factor 12 [Source:Jamboree;Acc:XB-GENE-479999]	1.3584	0.0006
ENSXETG00000008887	FGGY	FGGY carbohydrate kinase domain containing [Source:Jamboree;Acc:XB-GENE-5811009]	2.4248	0.0000
ENSXETG00000001065	FHL5	four and a half LIM domains 5 [Source:Jamboree;Acc:XB-GENE-1002465]	2.7143	0.0393
ENSXETG00000001469	FIBCD1	fibrinogen C domain containing 1 [Source:Jamboree;Acc:XB-GENE-483361]	1.3973	0.0000
ENSXETG00000023205	FKBP8	FK506 binding protein 8, 38kDa [Source:Jamboree;Acc:XB-GENE-958351]	1.2125	0.0427
ENSXETG00000008663	FLNB	filamin B, beta [Source:Jamboree;Acc:XB-GENE-494642]	1.2528	0.0094
ENSXETG00000024085	FLOT1	flotillin 1 [Source:Jamboree;Acc:XB-GENE-488586]	1.2018	0.0384

ENSXETG00000020478	FN3KRP	fructosamine 3 kinase related protein [Source:Jamboree;Acc:XB-GENE-920684]	1.2940	0.0082
ENSXETG00000010132	FNDC3A.2	fibronectin type III domain containing 3A [Source:Jamboree;Acc:XB-GENE-5957601]	1.2181	0.0379
ENSXETG00000023615	FNDC3B	fibronectin type III domain containing 3B [Source:Jamboree;Acc:XB-GENE-948478]	1.2873	0.0200
ENSXETG00000016404	FNDC4	fibronectin type III domain containing 4 [Source:Jamboree;Acc:XB-GENE-997773]	1.5564	0.0001
ENSXETG00000010247	FOXG1	forkhead box G1 [Source:Jamboree;Acc:XB-GENE-480076]	7.6062	0.0000
ENSXETG00000016048	FOXO1	forkhead box O1 [Source:Jamboree;Acc:XB-GENE-482528]	1.8139	0.0000
ENSXETG00000012944	FOXO6	forkhead box O6 [Source:Jamboree;Acc:XB-GENE-482993]	1.7396	0.0000
ENSXETG00000021565	FOXR1	forkhead box R1 [Source:Jamboree;Acc:XB-GENE-484980]	1.3782	0.0006
ENSXETG00000000377	FRAS1	Fraser syndrome 1 [Source:Jamboree;Acc:XB-GENE-478807]	1.3973	0.0017
ENSXETG00000006166	FRK	fyn-related Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3955]	1.8958	0.0169
ENSXETG00000002245	FRMPD1	FERM and PDZ domain containing 1 [Source:Jamboree;Acc:XB-GENE-954374]	1.2148	0.0499
ENSXETG00000018128	FRMPD3	FERM and PDZ domain containing 3 [Source:Jamboree;Acc:XB-GENE-994486]	1.3196	0.0006
ENSXETG00000005344	FRMPD4	FERM and PDZ domain containing 4 [Source:Jamboree;Acc:XB-GENE-6050308]	1.3411	0.0004
ENSXETG00000016103	FSD2	fibronectin type 3 and SPRY domain containing 2 [Source:Jamboree;Acc:XB-GENE-487381]	1.7025	0.0167
ENSXETG00000009786	FUCA2	fucosidase, alpha-L- 2, plasma [Source:Jamboree;Acc:XB-GENE-945131]	1.4087	0.0009
ENSXETG00000001061	FUT9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase) [Source:Jamboree;Acc:XB-GENE-966137]	1.4329	0.0300
ENSXETG00000026514	FXYD1	FXYD domain containing ion transport regulator 1 [Source:Jamboree;Acc:XB-GENE-5747387]	1.8593	0.0001
ENSXETG00000012404	FZD7	frizzled family receptor 7 [Source:Jamboree;Acc:XB-GENE-483731]	1.2815	0.0036
ENSXETG00000010338	FZD9	frizzled family receptor 9 [Source:Jamboree;Acc:XB-GENE-478317]	1.4365	0.0030
ENSXETG00000001527	GAB3	GRB2-associated binding protein 3 [Source:Jamboree;Acc:XB-GENE-948841]	1.3283	0.0004
ENSXETG00000018917	GABBR2	gamma-aminobutyric acid (GABA) B receptor, 2 [Source:Jamboree;Acc:XB-GENE-5815161]	1.2557	0.0032
ENSXETG00000008421	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2 [Source:Jamboree;Acc:XB-GENE-1000398]	1.4478	0.0000
ENSXETG00000026177	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3 [Source:Jamboree;Acc:XB-GENE-992774]	1.3906	0.0020
ENSXETG00000026517	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa) [Source:Jamboree;Acc:XB-GENE-976598]	1.3035	0.0005
ENSXETG00000008481	GALNT10	ɣl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10) [Source:Jamboree;Acc:XB-GEI	1.5297	0.0354
ENSXETG00000021716	GALNT13	ɣl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13) [Source:Jamboree;Acc:XB-GEI	1.3358	0.0009
ENSXETG00000017916	GALNTL1	N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1 [Source:Jamboree;Acc:XB-GENE-98	1.3234	0.0004
ENSXETG00000014693	GALR1	galanin receptor 1 [Source:Jamboree;Acc:XB-GENE-5797254]	2.0247	0.0000
ENSXETG00000002603	GAS2	growth arrest-specific 2 [Source:Jamboree;Acc:XB-GENE-923037]	1.6764	0.0111
ENSXETG00000001415	GBP7	guanylate binding protein 7 [Source:Jamboree;Acc:XB-GENE-5947524]	4.3792	0.0322
ENSXETG00000005421	GCGR	glucagon receptor [Source:Jamboree;Acc:XB-GENE-5918476]	5.4140	0.0018
ENSXETG00000001073	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group) [Source:Jamboree;Acc:XB-GENE-490633]	2.0547	0.0000
ENSXETG00000021746	GDE1	glycerophosphodiester phosphodiesterase 1 [Source:Jamboree;Acc:XB-GENE-976293]	1.2518	0.0260
ENSXETG00000023804	GFRA1	GDNF family receptor alpha 1 [Source:Jamboree;Acc:XB-GENE-1013855]	1.2116	0.0260
ENSXETG00000021654	GGH	gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase) [Source:Jamboree;Acc:XB-GENE-944415]	1.2853	0.0088
ENSXETG00000027253	GGT6	gamma-glutamyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:26891]	1.7891	0.0021
ENSXETG00000013148	GIPC2	GIPC PDZ domain containing family, member 2 [Source:Jamboree;Acc:XB-GENE-946803]	1.6902	0.0201
ENSXETG00000025411	GJA1	gap junction protein, alpha 1, 43kDa [Source:Jamboree;Acc:XB-GENE-876602]	1.8627	0.0004
ENSXETG00000026112	GJB2	gap junction protein, beta 2, 26kDa [Source:Jamboree;Acc:XB-GENE-955798]	2.6178	0.0156
ENSXETG00000024391	GJD3	gap junction protein, delta 3, 31.9kDa [Source:Jamboree;Acc:XB-GENE-994165]	1.5270	0.0070
ENSXETG00000007825	GLCE	glucuronic acid epimerase [Source:Jamboree;Acc:XB-GENE-1010934]	1.4239	0.0026
ENSXETG00000019533	GLRB	glycine receptor, beta [Source:Jamboree;Acc:XB-GENE-1011734]	1.2709	0.0061
ENSXETG00000019636	GLT8D2	glycosyltransferase 8 domain containing 2 [Source:Jamboree;Acc:XB-GENE-991092]	2.7863	0.0149
ENSXETG00000019419	GM2A	GM2 ganglioside activator [Source:Jamboree;Acc:XB-GENE-999131]	1.3376	0.0027
ENSXETG00000012224	GMFB	glia maturation factor, beta [Source:Jamboree;Acc:XB-GENE-6077246]	1.2409	0.0367
ENSXETG00000014183	GMPR	guanosine monophosphate reductase [Source:Jamboree;Acc:XB-GENE-982176]	1.2073	0.0263
ENSXETG00000004172	GNPDA1	glucosamine-6-phosphate deaminase 1 [Source:Jamboree;Acc:XB-GENE-966376]	1.6740	0.0012
ENSXETG00000010147	GNRH1	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) [Source:Jamboree;Acc:XB-GENE-960286]	2.7268	0.0014
ENSXETG00000007318	GNS	glucosamine (N-acetyl)-6-sulfatase [Source:Jamboree;Acc:XB-GENE-978429]	1.2830	0.0101
ENSXETG00000004245	GORASP1	golgi reassembly stacking protein 1, 65kDa [Source:Jamboree;Acc:XB-GENE-976361]	1.3360	0.0238
ENSXETG00000024015	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-1011134]	1.4405	0.0001
ENSXETG00000021597	GPER	G protein-coupled estrogen receptor 1 [Source:Jamboree;Acc:XB-GENE-1006475]	1.7219	0.0024
ENSXETG00000002361	GPI	glucose-6-phosphate isomerase [Source:Jamboree;Acc:XB-GENE-944058]	1.2202	0.0418
ENSXETG00000007393	GPNMB	glycoprotein (transmembrane) nmb [Source:Jamboree;Acc:XB-GENE-983263]	2.7842	0.0000
ENSXETG00000004584	GPR12	G protein-coupled receptor 12 [Source:Jamboree;Acc:XB-GENE-5793163]	1.2864	0.0260
ENSXETG00000014782	GPR123	G protein-coupled receptor 123 [Source:Jamboree;Acc:XB-GENE-6044828]	1.5111	0.0133
ENSXETG00000009348	GPR133	G protein-coupled receptor 133 [Source:Jamboree;Acc:XB-GENE-980829]	2.2345	0.0000
ENSXETG00000013359	GPR150	G protein-coupled receptor 150 [Source:Jamboree;Acc:XB-GENE-940801]	3.1964	0.0333
ENSXETG00000001066	GPR63	G protein-coupled receptor 63 [Source:Jamboree;Acc:XB-GENE-1002460]	1.3956	0.0001
ENSXETG00000015416	GPR78	G protein-coupled receptor 78 [Source:Jamboree;Acc:XB-GENE-5799776]	1.4031	0.0000
ENSXETG00000013240	GPR88	G protein-coupled receptor 88 [Source:Jamboree;Acc:XB-GENE-984668]	2.4848	0.0001
ENSXETG00000003149	GREB1L	growth regulation by estrogen in breast cancer-like [Source:Jamboree;Acc:XB-GENE-5965356]	1.9582	0.0000
ENSXETG00000018095	GREM1	gremlin 1 [Source:Jamboree;Acc:XB-GENE-484543]	2.6487	0.0412
ENSXETG00000001922	GRIA1	glutamate receptor, ionotropic, AMPA 1 [Source:Jamboree;Acc:XB-GENE-995621]	1.2352	0.0066
ENSXETG00000021373	GRIA4	glutamate receptor, ionotrophic, AMPA 4 [Source:Jamboree;Acc:XB-GENE-5838893]	1.4887	0.0000
ENSXETG00000022933	GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1 [Source:Jamboree;Acc:XB-GENE-494200]	1.2602	0.0169
ENSXETG00000021607	GRIN3B	glutamate receptor, ionotropic, N-methyl-D-aspartate 3B [Source:Jamboree;Acc:XB-GENE-990106]	1.5511	0.0223
ENSXETG00000007892	GRM1	glutamate receptor, metabotropic 1 [Source:Jamboree;Acc:XB-GENE-980107]	1.6082	0.0003
ENSXETG00000005426	GRM3	glutamate receptor, metabotropic 3 [Source:Jamboree;Acc:XB-GENE-977445]	1.6409	0.0000
ENSXETG00000000130	GSG1L	GSG1-like [Source:Jamboree;Acc:XB-GENE-5832503]	2.0263	0.0000
ENSXETG00000018328	GSG1L	GSG1-like [Source:HGNC Symbol;Acc:HGNC:28283]	1.5948	0.0489
ENSXETG00000007470	GSS	glutathione synthetase [Source:Jamboree;Acc:XB-GENE-976512]	1.2293	0.0495
ENSXETG00000014780	GTF2F2	general transcription factor IIF, polypeptide 2, 30kDa [Source:RefSeq peptide;Acc:NP_988987]	1.6675	0.0000
ENSXETG00000022399	GUCY1B3	guanylate cyclase 1, soluble, beta 3 [Source:Jamboree;Acc:XB-GENE-950986]	1.5022	0.0000
ENSXETG00000010782	GULP1	GULP, engulfment adaptor PTB domain containing 1 [Source:Jamboree;Acc:XB-GENE-968617]	1.5563	0.0002
ENSXETG00000005003	GYG2	glycogenin 2 [Source:Jamboree;Acc:XB-GENE-5854708]	1.5537	0.0000
ENSXETG00000007202	HAGH	hydroxyacylglutathione hydrolase [Source:Jamboree;Acc:XB-GENE-966712]	1.4833	0.0015
ENSXETG00000019797	HAPLN1	hyaluronan and proteoglycan link protein 1 [Source:Jamboree;Acc:XB-GENE-6037477]	1.6844	0.0000
ENSXETG00000017714	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1 [Source:Jamboree;Acc:XB-GENE-950265]	1.3240	0.0021
ENSXETG00000017651	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3 [Source:Jamboree;Acc:XB-GENE-6071710]	1.3848	0.0000
ENSXETG00000001622	HCRTR2	hypocretin (orexin) receptor 2 [Source:Jamboree;Acc:XB-GENE-952341]	1.5435	0.0000
ENSXETG00000023477	HDHD3	haloacid dehalogenase-like hydrolase domain containing 3 [Source:Jamboree;Acc:XB-GENE-969463]	1.6761	0.0000
ENSXETG00000005685	HEATR7A	HEAT repeat containing 7A [Source:Jamboree;Acc:XB-GENE-6038828]	1.6459	0.0056
ENSXETG00000023714	HELZ2	helicase with zinc finger 2, transcriptional coactivator [Source:HGNC Symbol;Acc:HGNC:30021]	1.8269	0.0010
ENSXETG00000000079	HEMK1	HemK methyltransferase family member 1 [Source:Jamboree;Acc:XB-GENE-854934]	1.2820	0.0075
ENSXETG00000003936	HEPACAM	hepatic and glial cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-6051119]	1.5377	0.0000
ENSXETG00000005075	HEXB	hexosaminidase B (beta polypeptide) [Source:Jamboree;Acc:XB-GENE-1002397]	1.3290	0.0429
ENSXETG00000012232	HEXDC	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing [Source:Jamboree;Acc:XB-GENE-5729873]	1.2641	0.0479
ENSXETG00000007872	HGF	hepatocyte growth factor (hepapoietin A; scatter factor) [Source:Jamboree;Acc:XB-GENE-999992]	1.3869	0.0000
ENSXETG00000006167	HHATL	hedgehog acyltransferase-like [Source:Jamboree;Acc:XB-GENE-5744180]	2.0878	0.0017
ENSXETG00000025166	HIGD1C	HIG1 hypoxia inducible domain family, member 1C [Source:Jamboree;Acc:XB-GENE-5935687]	1.3085	0.0109
ENSXETG00000023284	HIVEP2	human immunodeficiency virus type I enhancer binding protein 2 [Source:Jamboree;Acc:XB-GENE-485854]	1.3882	0.0029
ENSXETG00000012923	HIVEP3	human immunodeficiency virus type I enhancer binding protein 3 [Source:Jamboree;Acc:XB-GENE-482557]	1.6787	0.0000
ENSXETG00000019639	HK2	hexokinase 2 [Source:Jamboree;Acc:XB-GENE-5817381]	4.6101	0.0000
ENSXETG00000025586	HLA-DRB1	major histocompatibility complex, class II, DR beta 1 [Source:Jamboree;Acc:XB-GENE-945971]	1.5699	0.0048
ENSXETG00000004316	HLF	hepatic leukemia factor [Source:Jamboree;Acc:XB-GENE-955698]	2.1403	0.0000
ENSXETG00000001353	HMCN2	hemicentin 2 [Source:Jamboree;Acc:XB-GENE-6034990]	1.5378	0.0004
ENSXETG00000007070	HMGCLL1	3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1 [Source:Jamboree;Acc:XB-GENE-952336]	1.5412	0.0000
ENSXETG00000014986	HMOX2	heme oxygenase (decycling) 2 [Source:Jamboree;Acc:XB-GENE-948111]	1.4172	0.0029
ENSXETG00000014875	HNMT	histamine N-methyltransferase [Source:Jamboree;Acc:XB-GENE-1001069]	1.4589	0.0003
ENSXETG00000018422	HPSE2	heparanase 2 [Source:Jamboree;Acc:XB-GENE-989584]	1.9329	0.0386
ENSXETG00000002004	HRH3	histamine receptor H3 [Source:Jamboree;Acc:XB-GENE-958016]	1.3477	0.0459
ENSXETG00000013450	HS2ST1	heparan sulfate 2-O-sulfotransferase 1 [Source:Jamboree;Acc:XB-GENE-5953192]	1.2903	0.0021
ENSXETG00000012416	HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2 [Source:Jamboree;Acc:XB-GENE-980910]	1.4138	0.0008
ENSXETG00000020230	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5 [Source:Jamboree;Acc:XB-GENE-5795358]	1.2863	0.0055
ENSXETG00000004076	HS6ST3	heparan sulfate 6-O-sulfotransferase 3 [Source:Jamboree;Acc:XB-GENE-987159]	1.3212	0.0089

ENSXETG00000014342	HSD11B1L	hydroxysteroid (11-beta) dehydrogenase 1-like [Source:Jamboree;Acc:XB-GENE-5851849]	1.2012	0.0258
ENSXETG00000004411	HSD17B6	hydroxysteroid (17-beta) dehydrogenase 6 homolog [Source:Jamboree;Acc:XB-GENE-5821225]	2.4668	0.0000
ENSXETG00000024078	HSP70	heat shock 70kDa protein [Source:Jamboree;Acc:XB-GENE-485626]	1.7085	0.0260
ENSXETG00000010251	HSP90AA1.1	heat shock protein 90kDa alpha (cytosolic), class A member 1, gene 1 [Source:Jamboree;Acc:XB-GENE-495303]	1.6144	0.0000
ENSXETG00000014317	HSPA12A	heat shock 70kDa protein 12A [Source:Jamboree;Acc:XB-GENE-959285]	1.5395	0.0000
ENSXETG00000004097	HSPA1A	heat shock 70kDa protein 1A [Source:Jamboree;Acc:XB-GENE-5842877]	1.7046	0.0000
ENSXETG00000022536	HSPA2	heat shock 70kDa protein 2 [Source:Jamboree;Acc:XB-GENE-992125]	2.2085	0.0001
ENSXETG00000019373	HTR4	5-hydroxytryptamine (serotonin) receptor 4 [Source:Jamboree;Acc:XB-GENE-993770]	1.4864	0.0071
ENSXETG00000015580	HTRA1	HtrA serine peptidase 1 [Source:Jamboree;Acc:XB-GENE-487699]	1.8183	0.0000
ENSXETG00000007352	HUNK	hormonally up-regulated Neu-associated kinase [Source:Jamboree;Acc:XB-GENE-968418]	1.2753	0.0080
ENSXETG00000026411	IFFO1	intermediate filament family orphan 1 [Source:Jamboree;Acc:XB-GENE-940026]	1.2603	0.0096
ENSXETG00000013176	IFIH1	interferon induced with helicase C domain 1 [Source:Jamboree;Acc:XB-GENE-1011111]	1.7668	0.0000
ENSXETG00000021818	IFIT5	interferon-induced protein with tetratricopeptide repeats 5 [Source:Jamboree;Acc:XB-GENE-5842099]	2.2710	0.0000
ENSXETG00000001463	IFT122	intraflagellar transport 122 homolog [Source:Jamboree;Acc:XB-GENE-966865]	1.2982	0.0087
ENSXETG00000021254	IFT172	intraflagellar transport 172 homolog [Source:Jamboree;Acc:XB-GENE-1221171]	1.3054	0.0454
ENSXETG00000019875	IGFBP2	insulin-like growth factor binding protein 2, 36kDa [Source:Jamboree;Acc:XB-GENE-487299]	1.4283	0.0033
ENSXETG00000019879	IGFBP5	insulin-like growth factor binding protein 5 [Source:Jamboree;Acc:XB-GENE-485073]	1.4890	0.0025
ENSXETG00000014224	IGSF21	immunoglobin superfamily, member 21 [Source:Jamboree;Acc:XB-GENE-5948979]	1.2701	0.0095
ENSXETG00000003127	IKZF2	IKAROS family zinc finger 2 (Helios) [Source:Jamboree;Acc:XB-GENE-1013632]	2.0545	0.0000
ENSXETG00000005423	IL13RA1	interleukin 13 receptor, alpha 1 [Source:HGNC Symbol;Acc:HGNC:5974]	2.4040	0.0000
ENSXETG00000005659	IMPAD1	inositol monophosphatase domain containing 1 [Source:Jamboree;Acc:XB-GENE-5751033]	1.2285	0.0443
ENSXETG00000001861	INHBA	inhibin, beta A [Source:HGNC Symbol;Acc:HGNC:6066]	3.7567	0.0000
ENSXETG00000017149	INHBC.1	inhibin, beta C, gene 1 [Source:Jamboree;Acc:XB-GENE-494358]	2.1429	0.0098
ENSXETG00000019407	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa [Source:Jamboree;Acc:XB-GENE-1012982]	1.2397	0.0100
ENSXETG00000021313	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa [Source:Jamboree;Acc:XB-GENE-949180]	1.4000	0.0002
ENSXETG00000010235	INPP5F	inositol polyphosphate-5-phosphatase F [Source:Jamboree;Acc:XB-GENE-1008490]	1.2083	0.0463
ENSXETG00000016154	INPP5J	inositol polyphosphate-5-phosphatase J [Source:Jamboree;Acc:XB-GENE-984978]	1.3421	0.0003
ENSXETG00000022881	INPP5K	inositol polyphosphate-5-phosphatase K [Source:Jamboree;Acc:XB-GENE-996350]	1.2509	0.0160
ENSXETG00000002917	INSM2	insulinoma-associated 2 [Source:Jamboree;Acc:XB-GENE-986609]	1.8606	0.0132
ENSXETG00000005955	IP6K1	inositol hexaphosphate kinase 1 [Source:Jamboree;Acc:XB-GENE-921615]	1.2115	0.0294
ENSXETG00000003495	IPP	intracisternal A particle-promoted polypeptide [Source:Jamboree;Acc:XB-GENE-491275]	1.6405	0.0479
ENSXETG00000003339	IQGAP2	IQ motif containing GTPase activating protein 2 [Source:Jamboree;Acc:XB-GENE-5752023]	1.5317	0.0000
ENSXETG00000007177	IQSEC2	IQ motif and Sec7 domain 2 [Source:Jamboree;Acc:XB-GENE-6035762]	1.2787	0.0017
ENSXETG00000002863	IRF3	interferon regulatory factor 3 [Source:Jamboree;Acc:XB-GENE-1013733]	1.3403	0.0139
ENSXETG00000018674	IRF6	interferon regulatory factor 6 [Source:Jamboree;Acc:XB-GENE-876410]	2.8839	0.0000
ENSXETG00000018661	IRF6.2	interferon regulatory factor 6, gene 2 [Source:Jamboree;Acc:XB-GENE-5910331]	3.3742	0.0051
ENSXETG00000025004	ITFG1	integrin alpha FG-GAP repeat containing 1 [Source:Jamboree;Acc:XB-GENE-5735764]	1.4481	0.0000
ENSXETG00000007816	ITGA11	integrin, alpha 11 [Source:Jamboree;Acc:XB-GENE-483822]	2.0612	0.0016
ENSXETG00000005808	ITGAE	n, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide) [Source:Jamboree;Acc:XB-GENE-10	1.4555	0.0001
ENSXETG00000027280	ITM2A	integral membrane protein 2A [Source:Jamboree;Acc:XB-GENE-1008613]	1.3293	0.0006
ENSXETG00000002921	ITPKA	inositol-trisphosphate 3-kinase A [Source:Jamboree;Acc:XB-GENE-986593]	2.1785	0.0008
ENSXETG00000005153	ITPR1	inositol 1,4,5-trisphosphate receptor, type 1 [Source:Jamboree;Acc:XB-GENE-920765]	1.3284	0.0004
ENSXETG00000016448	ITPR2	inositol 1,4,5-trisphosphate receptor, type 2 [Source:Jamboree;Acc:XB-GENE-877157]	2.3518	0.0000
ENSXETG00000011601	JAKMIP1	janus kinase and microtubule interacting protein 1 [Source:Jamboree;Acc:XB-GENE-991323]	1.4410	0.0099
ENSXETG00000012726	JAKMIP2	janus kinase and microtubule interacting protein 2 [Source:Jamboree;Acc:XB-GENE-6039514]	1.2324	0.0232
ENSXETG00000015433	JARID2	jumonji, AT rich interactive domain 2 [Source:Jamboree;Acc:XB-GENE-982166]	1.4059	0.0022
ENSXETG00000006895	JOSD1	Josephin domain containing 1 [Source:Jamboree;Acc:XB-GENE-1000778]	1.2447	0.0094
ENSXETG00000010199	JUND.2	jun D proto-oncogene, gene 2 [Source:Jamboree;Acc:XB-GENE-1021801]	1.6313	0.0000
ENSXETG00000013469	KAZN	kazrin, periplakin interacting protein [Source:Jamboree;Acc:XB-GENE-1012688]	1.2458	0.0087
ENSXETG00000021386	KBTBD3	kelch repeat and BTB (POZ) domain containing 3 [Source:Jamboree;Acc:XB-GENE-6044137]	1.5602	0.0000
ENSXETG00000017753	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3 [Source:Jamboree;Acc:XB-GENE-991578]	1.3603	0.0049
ENSXETG00000018247	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4 [Source:Jamboree;Acc:XB-GENE-492827]	1.7730	0.0000
ENSXETG00000008488	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6 [Source:Jamboree;Acc:XB-GENE-1010669]	1.3593	0.0022
ENSXETG00000012263	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1 [Source:Jamboree;Acc:XB-GENE-950688]	1.6401	0.0019
ENSXETG00000014391	KCNC1	potassium voltage-gated channel, Shaw-related subfamily, member 1 [Source:Jamboree;Acc:XB-GENE-996920]	1.2113	0.0279
ENSXETG00000002027	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4 [Source:Jamboree;Acc:XB-GENE-6032635]	1.5509	0.0000
ENSXETG00000003508	KCNF1	potassium voltage-gated channel, subfamily F, member 1 [Source:Jamboree;Acc:XB-GENE-979363]	1.2569	0.0381
ENSXETG00000012308	KCNG1	potassium voltage-gated channel, subfamily G, member 1 [Source:Jamboree;Acc:XB-GENE-1011042]	1.6117	0.0000
ENSXETG00000000858	KCNG2	potassium voltage-gated channel, subfamily G, member 2 [Source:Jamboree;Acc:XB-GENE-954003]	1.8914	0.0000
ENSXETG00000001079	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3 [Source:HGNC Symbol;Acc:HGNC:6252]	1.2648	0.0151
ENSXETG00000014005	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8 [Source:Jamboree;Acc:XB-GENE-981673]	1.3269	0.0055
ENSXETG00000014462	KCNIP2	Kv channel interacting protein 2 [Source:Jamboree;Acc:XB-GENE-988846]	1.3216	0.0021
ENSXETG00000016610	KCNK10	potassium channel, subfamily K, member 10 [Source:Jamboree;Acc:XB-GENE-950562]	1.5318	0.0000
ENSXETG00000022828	KCNK15	potassium channel, subfamily K, member 15 [Source:Jamboree;Acc:XB-GENE-6065312]	2.9489	0.0004
ENSXETG00000007210	KCNK4	potassium channel, subfamily K, member 4 [Source:Jamboree;Acc:XB-GENE-994204]	1.3856	0.0002
ENSXETG00000018041	KCNMA1	assium large conductance calcium-activated channel, subfamily M, alpha member 1 [Source:Jamboree;Acc:XB-GENE-9223	1.2106	0.0217
ENSXETG00000011382	KCNMB4	assium large conductance calcium-activated channel, subfamily M, beta member 4 [Source:Jamboree;Acc:XB-GENE-10163	1.4722	0.0010
ENSXETG00000002262	KCNT1	potassium channel, subfamily T, member 1 [Source:RefSeq peptide;Acc:NP_001072365]	1.3003	0.0014
ENSXETG00000003449	KCNT1	potassium channel, subfamily T, member 1 [Source:Jamboree;Acc:XB-GENE-5993003]	1.6028	0.0087
ENSXETG00000006930	KCTD1	potassium channel tetramerisation domain containing 1 [Source:Jamboree;Acc:XB-GENE-6076050]	1.2220	0.0297
ENSXETG00000015471	KCTD12	potassium channel tetramerisation domain containing 12 [Source:Jamboree;Acc:XB-GENE-998762]	1.4603	0.0000
ENSXETG00000010449	KCTD14	potassium channel tetramerisation domain containing 14 [Source:Jamboree;Acc:XB-GENE-5816880]	2.7222	0.0000
ENSXETG00000011638	KEAP1	kelch-like ECH-associated protein 1 [Source:Jamboree;Acc:XB-GENE-957785]	1.2205	0.0322
ENSXETG00000004451	KHDRBS2	KH domain containing, RNA binding, signal transduction associated 2 [Source:Jamboree;Acc:XB-GENE-490722]	1.3823	0.0008
ENSXETG00000002232	KIAA0284	KIAA0284 [Source:Jamboree;Acc:XB-GENE-5943417]	1.2371	0.0207
ENSXETG00000014827	KIAA0319	KIAA0319 [Source:Jamboree;Acc:XB-GENE-6258279]	1.5865	0.0078
ENSXETG00000014405	KIAA0415	KIAA0415 [Source:Jamboree;Acc:XB-GENE-6034870]	1.2782	0.0367
ENSXETG00000017409	KIAA0513	KIAA0513 [Source:Jamboree;Acc:XB-GENE-5956311]	1.4188	0.0000
ENSXETG00000019146	KIAA1161	KIAA1161 [Source:Jamboree;Acc:XB-GENE-6047570]	1.3489	0.0316
ENSXETG00000012981	KIAA1199	KIAA1199 [Source:Jamboree;Acc:XB-GENE-6048265]	1.7190	0.0000
ENSXETG00000005906	KIAA1217	KIAA1217 [Source:Jamboree;Acc:XB-GENE-6048493]	1.7829	0.0000
ENSXETG00000006354	KIAA1370	KIAA1370 [Source:Jamboree;Acc:XB-GENE-5816685]	1.3355	0.0008
ENSXETG00000002660	KIAA1462	KIAA1462 [Source:HGNC Symbol;Acc:HGNC:29283]	1.3809	0.0037
ENSXETG00000012830	KIF19	kinesin family member 19 [Source:Jamboree;Acc:XB-GENE-5954822]	1.2707	0.0057
ENSXETG00000012138	KIF1A	kinesin family member 1A [Source:Jamboree;Acc:XB-GENE-960470]	1.2874	0.0214
ENSXETG00000015558	KIF21A	kinesin family member 21A [Source:Jamboree;Acc:XB-GENE-1010599]	1.2612	0.0046
ENSXETG00000024790	KIF3C	kinesin family member 3C [Source:Jamboree;Acc:XB-GENE-959437]	1.2250	0.0452
ENSXETG00000006230	KIF5A	kinesin family member 5A [Source:Jamboree;Acc:XB-GENE-983714]	1.2050	0.0359
ENSXETG00000005739	KLF4	Kruppel-like factor 4 (gut) [Source:Jamboree;Acc:XB-GENE-1015049]	1.8176	0.0003
ENSXETG00000019051	KLF9	Kruppel-like factor 9 [Source:Jamboree;Acc:XB-GENE-483889]	9.3104	0.0000
ENSXETG00000003672	KLHL13	kelch-like 13 [Source:Jamboree;Acc:XB-GENE-923144]	1.2796	0.0069
ENSXETG00000013849	KLHL24	kelch-like 24 [Source:Jamboree;Acc:XB-GENE-1000313]	1.3474	0.0193
ENSXETG00000015861	KLHL4	kelch-like 4 [Source:Jamboree;Acc:XB-GENE-988002]	1.3000	0.0339
ENSXETG00000008873	KNDC1	kinase non-catalytic C-lobe domain (KIND) containing 1 [Source:Jamboree;Acc:XB-GENE-6258227]	1.5729	0.0000
ENSXETG00000021354	KSR1	kinase suppressor of ras 1 [Source:Jamboree;Acc:XB-GENE-1004628]	1.4591	0.0000
ENSXETG00000007336	LAMA4	laminin, alpha 4 [Source:Jamboree;Acc:XB-GENE-1004770]	1.8486	0.0000
ENSXETG00000008622	LAMB2	laminin, beta 2 (laminin S) [Source:Jamboree;Acc:XB-GENE-5935962]	2.8018	0.0000
ENSXETG00000006918	LANCL1	LanC lantibiotic synthetase component C-like 1 (bacterial) [Source:Jamboree;Acc:XB-GENE-997210]	1.2428	0.0236
ENSXETG00000018623	LANCL3	LanC lantibiotic synthetase component C-like 3 (bacterial) [Source:Jamboree;Acc:XB-GENE-961538]	1.4176	0.0011
ENSXETG00000020247	LARGE	like-glycosyltransferase [Source:Jamboree;Acc:XB-GENE-6250446]	1.2380	0.0217
ENSXETG00000003085	LCAT	lecithin-cholesterol acyltransferase [Source:Jamboree;Acc:XB-GENE-980396]	1.6516	0.0350
ENSXETG00000020339	LDB2	LIM domain binding 2 [Source:Jamboree;Acc:XB-GENE-490279]	1.3348	0.0007
ENSXETG00000013957	LDHA	lactate dehydrogenase A [Source:Jamboree;Acc:XB-GENE-480608]	1.2491	0.0470
ENSXETG00000012845	LEPREL1	leprecan-like 1 [Source:Jamboree;Acc:XB-GENE-1001232]	2.5794	0.0150
ENSXETG00000009635	LETMD1	LETM1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-962658]	1.2384	0.0083
ENSXETG00000015995	LGALS1	lectin, galactoside-binding, soluble, 1 [Source:Jamboree;Acc:XB-GENE-971978]	3.2267	0.0003

ENSXETG00000019079	LGALS9B	lectin, galactoside-binding, soluble, 9B [Source:Jamboree;Acc:XB-GENE-5926948]	1.8720	0.0000
ENSXETG00000003729	LGI1	leucine-rich, glioma inactivated 1 [Source:Jamboree;Acc:XB-GENE-954918]	1.2231	0.0318
ENSXETG00000002120	LGI2	leucine-rich repeat LGI family, member 2 [Source:Jamboree;Acc:XB-GENE-995134]	1.6220	0.0000
ENSXETG00000016869	LGI4	leucine-rich repeat LGI family, member 4 [Source:Jamboree;Acc:XB-GENE-1013883]	1.8667	0.0021
ENSXETG00000025680	LHFPL3	lipoma HMGIC fusion partner-like 3 [Source:Jamboree;Acc:XB-GENE-6033769]	1.3767	0.0002
ENSXETG00000017857	LHFPL4	lipoma HMGIC fusion partner-like 4 [Source:Jamboree;Acc:XB-GENE-1013189]	1.2216	0.0204
ENSXETG00000016325	LHX6	LIM homeobox 6 [Source:Jamboree;Acc:XB-GENE-493341]	2.2303	0.0001
ENSXETG00000001552	LINGO2	leucine rich repeat and Ig domain containing 2 [Source:Jamboree;Acc:XB-GENE-922286]	1.3248	0.0034
ENSXETG00000002132	LINGO4	leucine rich repeat and Ig domain containing 4 [Source:Jamboree;Acc:XB-GENE-6464195]	3.1983	0.0000
ENSXETG00000021134	LMAN1L	lectin, mannose-binding, 1 like [Source:Jamboree;Acc:XB-GENE-5754170]	5.7084	0.0026
ENSXETG00000011184	LMBR1L	limb region 1 homolog-like [Source:Jamboree;Acc:XB-GENE-5859052]	1.2353	0.0258
ENSXETG00000011753	LMBRD1	LMBR1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-1015707]	1.3424	0.0270
ENSXETG00000023295	LMO4.1	LIM domain only 4, gene 1 [Source:Jamboree;Acc:XB-GENE-971939]	1.3211	0.0025
ENSXETG00000024039	LMTK2	lemur tyrosine kinase 2 [Source:Jamboree;Acc:XB-GENE-980913]	1.4373	0.0000
ENSXETG00000011680	LNX1	ligand of numb-protein X 1 [Source:Jamboree;Acc:XB-GENE-952178]	1.2286	0.0159
ENSXETG00000015828	LOXL4	lysyl oxidase-like 4 [Source:Jamboree;Acc:XB-GENE-988332]	1.5331	0.0000
ENSXETG00000022840	LPHN1	latrophilin 1 [Source:Jamboree;Acc:XB-GENE-1012006]	1.1845	0.0413
ENSXETG00000001617	LPIN2	lipin 2 [Source:Jamboree;Acc:XB-GENE-1032006]	1.2344	0.0420
ENSXETG00000004467	LPL	lipoprotein lipase [Source:Jamboree;Acc:XB-GENE-951545]	1.3325	0.0428
ENSXETG00000007925	LPPR2	lipid phosphate phosphatase-related protein type 2 [Source:Jamboree;Acc:XB-GENE-6031106]	1.2474	0.0104
ENSXETG00000008215	LPPR4	lipid phosphate phosphatase-related protein type 4 [Source:Jamboree;Acc:XB-GENE-976836]	1.7846	0.0000
ENSXETG00000008604	LPPR5	lipid phosphate phosphatase-related protein type 5 [Source:Jamboree;Acc:XB-GENE-983941]	1.5239	0.0000
ENSXETG00000011477	LRCH1	leucine-rich repeats and calponin homology (CH) domain containing 1 [Source:Jamboree;Acc:XB-GENE-6033840]	2.0541	0.0000
ENSXETG00000007822	LRFN2	leucine rich repeat and fibronectin type III domain containing 2 [Source:Jamboree;Acc:XB-GENE-6035533]	1.3833	0.0002
ENSXETG00000021492	LRFN5	leucine rich repeat and fibronectin type III domain containing 5 [Source:Jamboree;Acc:XB-GENE-923445]	1.3204	0.0017
ENSXETG00000009181	LRRC2	leucine rich repeat containing 2 [Source:Jamboree;Acc:XB-GENE-962135]	2.3615	0.0422
ENSXETG00000009217	LRRC34	leucine rich repeat containing 34 [Source:Jamboree;Acc:XB-GENE-998066]	1.6340	0.0000
ENSXETG00000000060	LRRC57	leucine rich repeat containing 57 [Source:Jamboree;Acc:XB-GENE-5779276]	1.2438	0.0453
ENSXETG00000023262	LRRC67	leucine rich repeat containing 67 [Source:Jamboree;Acc:XB-GENE-1015415]	1.7477	0.0000
ENSXETG00000012373	LRRC7	leucine rich repeat containing 7 [Source:Jamboree;Acc:XB-GENE-956973]	1.6738	0.0000
ENSXETG00000006088	LRRC8D	leucine rich repeat containing 8 family, member D [Source:Jamboree;Acc:XB-GENE-969887]	1.4419	0.0008
ENSXETG00000009216	LRRIQ4	leucine-rich repeats and IQ motif containing 4 [Source:Jamboree;Acc:XB-GENE-948455]	2.1957	0.0025
ENSXETG00000003943	LRSAM1	leucine rich repeat and sterile alpha motif containing 1 [Source:Jamboree;Acc:XB-GENE-994894]	1.8564	0.0000
ENSXETG00000013670	LYVE1	lymphatic vessel endothelial hyaluronan receptor 1 [Source:Jamboree;Acc:XB-GENE-1009935]	3.1809	0.0366
ENSXETG00000016474	LZTS1	leucine zipper, putative tumor suppressor 1 [Source:Jamboree;Acc:XB-GENE-960311]	1.6263	0.0000
ENSXETG00000027834	MAEL	Protein maelstrom homolog [Source:UniProtKB/Swiss-Prot;Acc:Q08D62]	1.6041	0.0231
ENSXETG00000008234	MAG	myelin associated glycoprotein [Source:Jamboree;Acc:XB-GENE-6462484]	2.0187	0.0000
ENSXETG00000001069	MAK	male germ cell-associated kinase [Source:Jamboree;Acc:XB-GENE-490935]	1.2768	0.0109
ENSXETG00000022600	MAN1A1	mannosidase, alpha, class 1A, member 1 [Source:Jamboree;Acc:XB-GENE-998953]	1.3415	0.0083
ENSXETG00000003692	MAN1C1	mannosidase, alpha, class 1C, member 1 [Source:Jamboree;Acc:XB-GENE-6076350]	1.4064	0.0002
ENSXETG00000011609	MAN2B2	mannosidase, alpha, class 2B, member 2 [Source:Jamboree;Acc:XB-GENE-1006292]	1.8353	0.0002
ENSXETG00000023887	MAN2C1	mannosidase, alpha, class 2C, member 1 [Source:Jamboree;Acc:XB-GENE-992248]	1.6006	0.0140
ENSXETG00000004849	MAOA	monoamine oxidase A [Source:Jamboree;Acc:XB-GENE-5749883]	3.2692	0.0000
ENSXETG00000004839	MAOB	monoamine oxidase B [Source:Jamboree;Acc:XB-GENE-949917]	1.5409	0.0365
ENSXETG00000015887	MAP2K1	mitogen-activated protein kinase kinase 1 [Source:Jamboree;Acc:XB-GENE-478822]	1.3509	0.0001
ENSXETG00000000076	MAPKAPK3	mitogen-activated protein kinase-activated protein kinase 3 [Source:Jamboree;Acc:XB-GENE-854888]	1.2548	0.0202
ENSXETG00000001225	MAPRE3	microtubule-associated protein, RP/EB family, member 3 [Source:Jamboree;Acc:XB-GENE-5827217]	1.2664	0.0073
ENSXETG00000017063	MARCH1	membrane-associated ring finger (C3HC4) 1 [Source:Jamboree;Acc:XB-GENE-486265]	1.5943	0.0002
ENSXETG00000007540	MARCH11	membrane-associated ring finger (C3HC4) 11 [Source:Jamboree;Acc:XB-GENE-982895]	1.4631	0.0171
ENSXETG00000009658	MARCH9	membrane-associated ring finger (C3HC4) 9 [Source:Jamboree;Acc:XB-GENE-5813114]	1.2121	0.0484
ENSXETG00000022834	MATN4	matrilin 4 [Source:Jamboree;Acc:XB-GENE-990978]	3.4944	0.0000
ENSXETG00000007043	MBLAC2	metallo-beta-lactamase domain containing 2 [Source:Jamboree;Acc:XB-GENE-984229]	1.4881	0.0001
ENSXETG00000021655	MBNL1	muscleblind-like [Source:Jamboree;Acc:XB-GENE-6035557]	1.3492	0.0003
ENSXETG00000000020	MBOAT1	membrane bound O-acyltransferase domain containing 1 [Source:Jamboree;Acc:XB-GENE-994274]	3.1734	0.0019
ENSXETG00000010788	MBP	myelin basic protein [Source:Jamboree;Acc:XB-GENE-959616]	1.3463	0.0001
ENSXETG00000021591	MCAM	melanoma cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-1002617]	1.5346	0.0000
ENSXETG00000018322	MCF2	MCF.2 cell line derived transforming sequence [Source:Jamboree;Acc:XB-GENE-949776]	1.7996	0.0000
ENSXETG00000015671	MCM6	minichromosome maintenance complex component 6 [Source:Jamboree;Acc:XB-GENE-5870537]	1.7077	0.0119
ENSXETG00000013380	MCTP1	multiple C2 domains, transmembrane 1 [Source:Jamboree;Acc:XB-GENE-5812768]	1.5900	0.0000
ENSXETG00000024140	MCTP2	multiple C2 domains, transmembrane 2 [Source:Jamboree;Acc:XB-GENE-983153]	1.6836	0.0002
ENSXETG00000020378	MEF2D	myocyte enhancer factor 2D [Source:Jamboree;Acc:XB-GENE-483879]	1.3480	0.0004
ENSXETG00000005008	MEGF6	multiple EGF-like-domains 6 [Source:HGNC Symbol;Acc:HGNC:3232]	1.6137	0.0000
ENSXETG00000013781	MERTK	c-mer proto-oncogene tyrosine kinase [Source:Jamboree;Acc:XB-GENE-493221]	1.9150	0.0000
ENSXETG00000021752	MET	met proto-oncogene (hepatocyte growth factor receptor) [Source:Jamboree;Acc:XB-GENE-481272]	1.6973	0.0000
ENSXETG00000007534	METAP1D	methionyl aminopeptidase type 1D (mitochondrial) [Source:Jamboree;Acc:XB-GENE-960806]	1.7823	0.0029
ENSXETG00000009229	METRNL	meteorin, glial cell differentiation regulator-like [Source:Jamboree;Acc:XB-GENE-5745593]	1.4062	0.0033
ENSXETG00000004731	METTL11B	methyltransferase like 11B [Source:Jamboree;Acc:XB-GENE-6086968]	1.5979	0.0447
ENSXETG00000017772	MFGE8	milk fat globule-EGF factor 8 protein [Source:Jamboree;Acc:XB-GENE-853465]	1.6659	0.0000
ENSXETG00000019380	MFI2	gen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5 [Source:Jamboree;Acc:XB-GENE-9681	1.6805	0.0007
ENSXETG00000018209	MFSD2B	major facilitator superfamily domain-containing protein 2b [Source:Jamboree;Acc:XB-GENE-6044470]	3.1508	0.0000
ENSXETG00000014915	MGAT4A	osyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A [Source:Jamboree;Acc:XB-GENE-586	2.3881	0.0098
ENSXETG00000010457	MGC89174	MGC89174 protein [Source:RefSeq peptide;Acc:NP_001005050]	6.6179	0.0058
ENSXETG00000002062	MGLL	monoglyceride lipase [Source:Jamboree;Acc:XB-GENE-942085]	1.2343	0.0211
ENSXETG00000017066	MHC2A	major histocompatibility complex class II alpha chain precursor [Source:Jamboree;Acc:XB-GENE-481445]	2.5254	0.0006
ENSXETG00000001756	MICAL3	microtubule associated monoxygenase, calponin and LIM domain containing 3 [Source:Jamboree;Acc:XB-GENE-996271]	1.4574	0.0000
ENSXETG00000000154	MITF	microphthalmia-associated transcription factor [Source:Jamboree;Acc:XB-GENE-484962]	1.4079	0.0154
ENSXETG00000010993	MKL2	MKL/myocardin-like 2 [Source:Jamboree;Acc:XB-GENE-487634]	2.0430	0.0000
ENSXETG00000004554	MKX	mohawk homeobox [Source:Jamboree;Acc:XB-GENE-853539]	1.6587	0.0034
ENSXETG00000021243	MMEL1	membrane metallo-endopeptidase-like 1 [Source:Jamboree;Acc:XB-GENE-991673]	1.5761	0.0006
ENSXETG00000013710	MMP16	matrix metallopeptidase 16 (membrane-inserted) [Source:Jamboree;Acc:XB-GENE-1007177]	1.4290	0.0000
ENSXETG00000004012	MOGAT2.1	monoacylglycerol O-acyltransferase 2, gene 1 [Source:Jamboree;Acc:XB-GENE-6040330]	2.0367	0.0000
ENSXETG00000016156	MORC2	MORC family CW-type zinc finger 2 [Source:Jamboree;Acc:XB-GENE-1001685]	1.2369	0.0375
ENSXETG00000016326	MORN5	MORN repeat containing 5 [Source:Jamboree;Acc:XB-GENE-958918]	1.9425	0.0000
ENSXETG00000005653	MOS	v-mos Moloney murine sarcoma viral oncogene homolog [Source:Jamboree;Acc:XB-GENE-1011506]	1.2558	0.0437
ENSXETG00000024155	MPND	MPN domain containing [Source:Jamboree;Acc:XB-GENE-5858624]	1.3183	0.0009
ENSXETG00000004546	MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7) [Source:Jamboree;Acc:XB-GENE-950404]	1.2582	0.0060
ENSXETG00000004861	MPPED1	metallophosphoesterase domain containing 1 [Source:Jamboree;Acc:XB-GENE-996669]	2.1050	0.0000
ENSXETG00000010902	MREG	melanoregulin [Source:Jamboree;Acc:XB-GENE-5735017]	1.4664	0.0000
ENSXETG00000027295	MRPL17	mitochondrial ribosomal protein L17 [Source:Jamboree;Acc:XB-GENE-991837]	1.8027	0.0000
ENSXETG00000018967	MRPS24	mitochondrial ribosomal protein S24 [Source:Jamboree;Acc:XB-GENE-960276]	1.2271	0.0119
ENSXETG00000026864	MS4A1	membrane-spanning 4-domains, subfamily A, member 1 [Source:Jamboree;Acc:XB-GENE-479306]	1.5703	0.0042
ENSXETG00000022941	MSH3	mutS homolog 3 [Source:Jamboree;Acc:XB-GENE-1014070]	1.2432	0.0468
ENSXETG00000000700	MSRA.1	methionine sulfoxide reductase A, gene 1 [Source:Jamboree;Acc:XB-GENE-1011250]	2.0251	0.0000
ENSXETG00000022149	MTG1	mitochondrial GTPase 1 homolog [Source:Jamboree;Acc:XB-GENE-957647]	1.3656	0.0002
ENSXETG00000015585	MTMR12	myotubularin related protein 12 [Source:Jamboree;Acc:XB-GENE-6051019]	1.4231	0.0245
ENSXETG00000007082	MTMR2	myotubularin related protein 2 [Source:Jamboree;Acc:XB-GENE-6044385]	1.4795	0.0284
ENSXETG00000010682	MTMR6	myotubularin related protein 6 [Source:Jamboree;Acc:XB-GENE-994672]	1.3054	0.0042
ENSXETG00000005177	MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 [Source:Jamboree;Acc:XB-GENE-996855]	1.9091	0.0131
ENSXETG00000020483	MXD4	MAX dimerization protein 4 [Source:Jamboree;Acc:XB-GENE-6257573]	1.2267	0.0378
ENSXETG00000019058	MYH14	myosin, heavy chain 14, non-muscle [Source:Jamboree;Acc:XB-GENE-6468587]	1.3748	0.0001
ENSXETG00000017821	MYH2	myosin, heavy chain 2, skeletal muscle, adult [Source:Jamboree;Acc:XB-GENE-5760121]	2.1300	0.0001
ENSXETG00000014570	MYH6	myosin, heavy chain 6, cardiac muscle, alpha [Source:Jamboree;Acc:XB-GENE-968718]	1.4034	0.0017
ENSXETG00000009218	MYNN	myoneurin [Source:Jamboree;Acc:XB-GENE-941010]	1.4421	0.0010
ENSXETG00000001517	MYO18B	myosin 18b [Source:Jamboree;Acc:XB-GENE-876492]	1.6126	0.0093
ENSXETG00000018850	MYO3B	myosin 3b [Source:Jamboree;Acc:XB-GENE-492483]	1.3136	0.0007
ENSXETG00000020736	MYO5A	myosin VA (heavy chain 12, myoxin) [Source:Jamboree;Acc:XB-GENE-1004102]	1.1964	0.0408

ENSXETG00000020323	MYO5B	myosin VB [Source:Jamboree;Acc:XB-GENE-988439]	2.1020	0.0000
ENSXETG00000005211	MYO9A	myosin 9a [Source:Jamboree;Acc:XB-GENE-492474]	1.2057	0.0163
ENSXETG00000018341	MYOT	myotilin [Source:Jamboree;Acc:XB-GENE-955641]	1.8019	0.0015
ENSXETG00000014398	MYRIP	myosin VIIA and Rab interacting protein [Source:Jamboree;Acc:XB-GENE-956200]	1.2709	0.0075
ENSXETG00000027983	MYT1L	myelin transcription factor 1-like [Source:Jamboree;Acc:XB-GENE-988137]	1.5034	0.0000
ENSXETG00000008275	MZT2B	mitotic spindle organizing protein 2B [Source:Jamboree;Acc:XB-GENE-5737867]	1.3402	0.0006
ENSXETG00000000128	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J7I7]	5.4582	0.0036
ENSXETG00000000330	N/A	N/A	1.6120	0.0286
ENSXETG00000000714	N/A	N/A	2.3414	0.0004
ENSXETG00000000940	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7D4K9]	4.3244	0.0368
ENSXETG00000000941	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BXB6]	1.3188	0.0011
ENSXETG00000001127	N/A	N/A	3.3973	0.0019
ENSXETG00000001173	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UTB1]	Inf	0.0255
ENSXETG00000001174	N/A	N/A	2.0908	0.0149
ENSXETG00000001543	N/A	N/A	6.1627	0.0289
ENSXETG00000001623	N/A	N/A	1.5804	0.0000
ENSXETG00000001930	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T3Z3]	1.7346	0.0001
ENSXETG00000002138	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6QPX9]	1.9104	0.0000
ENSXETG00000002639	N/A	uncharacterized protein LOC100170623 [Source:RefSeq peptide;Acc:NP_001123856]	1.7113	0.0000
ENSXETG00000002647	N/A	N/A	1.4059	0.0264
ENSXETG00000002864	N/A	Synaptosomal-associated protein [Source:UniProtKB/TrEMBL;Acc:F7CZV2]	1.6092	0.0000
ENSXETG00000003014	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DBI0]	1.2890	0.0217
ENSXETG00000003397	N/A	N/A	1.3816	0.0139
ENSXETG00000003418	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SHL8]	1.6825	0.0005
ENSXETG00000003595	N/A	N/A	1.3736	0.0001
ENSXETG00000003880	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UDP1]	2.5996	0.0000
ENSXETG00000004073	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UAX2]	1.3023	0.0008
ENSXETG00000004146	N/A	N/A	1.6135	0.0000
ENSXETG00000004257	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6QIX8]	5.3694	0.0017
ENSXETG00000004274	N/A	N/A	6.8443	0.0001
ENSXETG00000004452	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7E6B8]	1.5206	0.0016
ENSXETG00000004615	N/A	N/A	1.4362	0.0001
ENSXETG00000004688	N/A	N/A	1.4789	0.0004
ENSXETG00000004912	N/A	uncharacterized protein LOC100144954 [Source:RefSeq peptide;Acc:NP_001119998]	1.2559	0.0184
ENSXETG00000004940	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6TMI4]	1.3320	0.0011
ENSXETG00000005011	N/A	N/A	1.3000	0.0084
ENSXETG00000005285	N/A	N/A	1.2963	0.0038
ENSXETG00000005338	N/A	N/A	1.5277	0.0000
ENSXETG00000005399	N/A	N/A	1.6161	0.0252
ENSXETG00000005471	N/A	N/A	1.4495	0.0000
ENSXETG00000005547	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J7T8]	2.0283	0.0044
ENSXETG00000005710	N/A	N/A	1.2622	0.0101
ENSXETG00000005864	N/A	N/A	2.3465	0.0000
ENSXETG00000006079	N/A	N/A	2.4044	0.0000
ENSXETG00000006292	N/A	N/A	2.4825	0.0051
ENSXETG00000007242	N/A	N/A	1.6150	0.0000
ENSXETG00000007250	N/A	N/A	1.2354	0.0238
ENSXETG00000007938	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6R355]	2.1811	0.0272
ENSXETG00000008344	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U3F9]	1.5131	0.0147
ENSXETG00000008607	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YFE6]	1.2538	0.0189
ENSXETG00000008829	N/A	N/A	1.3162	0.0051
ENSXETG00000009179	N/A	N/A	1.9441	0.0060
ENSXETG00000009502	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q683]	2.0855	0.0000
ENSXETG00000009644	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7AMI4]	2.0110	0.0017
ENSXETG00000009684	N/A	N/A	1.2357	0.0226
ENSXETG00000009685	N/A	N/A	1.3800	0.0016
ENSXETG00000009706	N/A	N/A	1.2614	0.0043
ENSXETG00000009841	N/A	N/A	1.7208	0.0000
ENSXETG00000010027	N/A	N/A	1.4965	0.0241
ENSXETG00000010050	N/A	N/A	1.8693	0.0000
ENSXETG00000010328	N/A	N/A	1.8068	0.0000
ENSXETG00000010515	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WA26]	1.2987	0.0035
ENSXETG00000010523	N/A	N/A	1.8182	0.0016
ENSXETG00000010565	N/A	N/A	1.2072	0.0437
ENSXETG00000010881	N/A	N/A	2.7548	0.0000
ENSXETG00000010935	N/A	N/A	1.3471	0.0118
ENSXETG00000011057	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BFF1]	1.6428	0.0124
ENSXETG00000011260	N/A	N/A	2.8406	0.0000
ENSXETG00000011706	N/A	N/A	1.5721	0.0000
ENSXETG00000012513	N/A	N/A	1.3633	0.0012
ENSXETG00000012642	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BIV1]	4.6419	0.0347
ENSXETG00000012752	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7A698]	1.2827	0.0204
ENSXETG00000012881	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7C9K2]	1.2278	0.0264
ENSXETG00000012891	N/A	N/A	1.2168	0.0252
ENSXETG00000013081	N/A	Natriuretic peptide [Source:UniProtKB/TrEMBL;Acc:F6PZA7]	1.4622	0.0016
ENSXETG00000013084	N/A	N/A	1.6798	0.0071
ENSXETG00000013738	N/A	N/A	4.2075	0.0054
ENSXETG00000014010	N/A	N/A	1.3871	0.0049
ENSXETG00000014065	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q2C8]	3.0381	0.0000
ENSXETG00000014118	N/A	N/A	1.4016	0.0000
ENSXETG00000014223	N/A	N/A	1.6028	0.0000
ENSXETG00000014412	N/A	N/A	2.5856	0.0000
ENSXETG00000014564	N/A	N/A	2.0884	0.0001
ENSXETG00000014729	N/A	Guanylate cyclase [Source:UniProtKB/TrEMBL;Acc:F7DQ86]	1.5857	0.0022
ENSXETG00000014942	N/A	N/A	1.2796	0.0040
ENSXETG00000015115	N/A	N/A	1.2372	0.0103
ENSXETG00000015245	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WFA5]	1.5895	0.0099
ENSXETG00000015506	N/A	N/A	1.3384	0.0007
ENSXETG00000015805	N/A	N/A	1.4515	0.0000
ENSXETG00000015927	N/A	N/A	1.6201	0.0003
ENSXETG00000016314	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6PS22]	1.5357	0.0068
ENSXETG00000016457	N/A	N/A	2.3276	0.0000
ENSXETG00000016468	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YJ08]	1.5968	0.0012
ENSXETG00000016619	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6VVC1]	1.8021	0.0098
ENSXETG00000016650	N/A	N/A	1.8663	0.0129
ENSXETG00000016710	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6XBX6]	1.3337	0.0297
ENSXETG00000017019	N/A	N/A	1.2191	0.0136
ENSXETG00000017116	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DP94]	1.5563	0.0209
ENSXETG00000017169	N/A	N/A	1.4374	0.0001
ENSXETG00000017282	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CSD1]	1.3056	0.0019
ENSXETG00000017406	N/A	N/A	2.6046	0.0000
ENSXETG00000017458	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Z3V1]	2.5302	0.0044
ENSXETG00000017472	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YPV9]	1.4481	0.0000
ENSXETG00000017945	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7B6A5]	3.7381	0.0000
ENSXETG00000018006	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7B0N9]	1.3554	0.0069
ENSXETG00000018161	N/A	N/A	2.2302	0.0000

ENSXETG00000018648	N/A	Zinc transporter ZIP9 [Source:UniProtKB/TrEMBL;Acc:F7BA61]	1.4363	0.0010
ENSXETG00000018973	N/A	N/A	1.6440	0.0000
ENSXETG00000019036	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UK24]	2.2083	0.0138
ENSXETG00000019135	N/A	N/A	1.2399	0.0107
ENSXETG00000019254	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BK11]	1.2917	0.0015
ENSXETG00000019543	N/A	N/A	2.3545	0.0000
ENSXETG00000020051	N/A	N/A	1.2494	0.0319
ENSXETG00000020127	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6TH04]	1.7128	0.0001
ENSXETG00000020582	N/A	N/A	1.5206	0.0001
ENSXETG00000020599	N/A	N/A	2.3599	0.0470
ENSXETG00000021009	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SK15]	5.2946	0.0000
ENSXETG00000021011	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SJQ6]	10.0920	0.0001
ENSXETG00000021013	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SJB2]	12.4093	0.0000
ENSXETG00000021221	N/A	N/A	1.4239	0.0006
ENSXETG00000021233	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T8E4]	1.2683	0.0102
ENSXETG00000021340	N/A	N/A	1.2024	0.0259
ENSXETG00000021540	N/A	N/A	1.9294	0.0000
ENSXETG00000021628	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SVR5]	2.1129	0.0021
ENSXETG00000021819	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6QGB3]	3.1419	0.0241
ENSXETG00000022599	N/A	N/A	1.3131	0.0049
ENSXETG00000022609	N/A	N/A	2.4629	0.0000
ENSXETG00000022663	N/A	N/A	4.0163	0.0000
ENSXETG00000022740	N/A	N/A	3.1003	0.0076
ENSXETG00000022763	N/A	N/A	1.5297	0.0000
ENSXETG00000022898	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DYF4]	2.5838	0.0375
ENSXETG00000022957	N/A	N/A	2.7039	0.0006
ENSXETG00000023312	N/A	N/A	1.5945	0.0000
ENSXETG00000023689	N/A	N/A	1.4570	0.0005
ENSXETG00000023715	N/A	N/A	2.6813	0.0000
ENSXETG00000024433	N/A	N/A	1.7829	0.0000
ENSXETG00000024460	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6ZWL7]	1.2959	0.0016
ENSXETG00000024719	N/A	N/A	2.7038	0.0004
ENSXETG00000024760	N/A	N/A	1.3357	0.0017
ENSXETG00000024795	N/A	N/A	1.4771	0.0004
ENSXETG00000025054	N/A	N/A	1.9564	0.0000
ENSXETG00000025154	N/A	N/A	12.9606	0.0087
ENSXETG00000025299	N/A	N/A	1.3106	0.0014
ENSXETG00000025394	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BQG2]	1.9026	0.0048
ENSXETG00000025488	N/A	N/A	1.4133	0.0020
ENSXETG00000025491	N/A	N/A	1.4574	0.0007
ENSXETG00000025494	N/A	N/A	1.2285	0.0233
ENSXETG00000025546	N/A	N/A	2.2656	0.0000
ENSXETG00000025562	N/A	N/A	1.2894	0.0054
ENSXETG00000025673	N/A	N/A	1.6793	0.0000
ENSXETG00000025785	N/A	N/A	1.2496	0.0087
ENSXETG00000025879	N/A	N/A	1.9681	0.0000
ENSXETG00000025951	N/A	N/A	1.5841	0.0000
ENSXETG00000026238	N/A	N/A	1.3513	0.0079
ENSXETG00000026432	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BCB8]	1.3738	0.0005
ENSXETG00000026533	N/A	N/A	1.5324	0.0000
ENSXETG00000026604	N/A	N/A	1.6362	0.0490
ENSXETG00000026637	N/A	N/A	1.4606	0.0000
ENSXETG00000026657	N/A	N/A	1.9813	0.0043
ENSXETG00000026786	N/A	N/A	4.1325	0.0000
ENSXETG00000026946	N/A	N/A	6.1032	0.0056
ENSXETG00000026981	N/A	N/A	1.3750	0.0122
ENSXETG00000026986	N/A	N/A	1.4257	0.0453
ENSXETG00000026994	N/A	N/A	2.0813	0.0000
ENSXETG00000027130	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N3U8]	2.2252	0.0000
ENSXETG00000027142	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7B2U0]	1.3700	0.0023
ENSXETG00000027270	N/A	N/A	2.4217	0.0234
ENSXETG00000027290	N/A	N/A	2.4912	0.0000
ENSXETG00000027984	N/A	N/A	1.4928	0.0000
XLOC_000359	N/A	N/A	1.8902	0.0004
XLOC_000653	N/A	N/A	3.3683	0.0000
XLOC_000704	N/A	N/A	1.3520	0.0475
XLOC_000801	N/A	N/A	1.8944	0.0011
XLOC_000857	N/A	N/A	1.3352	0.0438
XLOC_001106	N/A	N/A	1.9287	0.0020
XLOC_001110	N/A	N/A	4.4238	0.0000
XLOC_001133	N/A	N/A	3.2064	0.0000
XLOC_001160	N/A	N/A	1.2091	0.0321
XLOC_001212	N/A	N/A	1.9032	0.0010
XLOC_001286	N/A	N/A	1.3441	0.0029
XLOC_001367	N/A	N/A	3.3603	0.0280
XLOC_001779	N/A	N/A	2.9163	0.0290
XLOC_001805	N/A	N/A	1.4762	0.0004
XLOC_001978	N/A	N/A	1.3863	0.0023
XLOC_002167	N/A	N/A	1.4045	0.0113
XLOC_002272	N/A	N/A	1.3750	0.0003
XLOC_002521	N/A	N/A	1.6661	0.0003
XLOC_002522	N/A	N/A	3.1042	0.0471
XLOC_002523	N/A	N/A	2.9234	0.0137
XLOC_002628	N/A	N/A	1.6453	0.0000
XLOC_002689	N/A	N/A	5.0962	0.0079
XLOC_002729	N/A	N/A	1.6611	0.0000
XLOC_002786	N/A	N/A	1.4820	0.0059
XLOC_003106	N/A	N/A	1.5773	0.0000
XLOC_003300	N/A	N/A	1.2730	0.0162
XLOC_003360	N/A	N/A	1.9773	0.0107
XLOC_003400	N/A	N/A	1.2966	0.0243
XLOC_003586	N/A	N/A	1.2603	0.0171
XLOC_003641	N/A	N/A	1.2744	0.0191
XLOC_003819	N/A	N/A	1.2200	0.0202
XLOC_003850	N/A	N/A	3.7823	0.0000
XLOC_003986	N/A	N/A	1.3297	0.0019
XLOC_003989	N/A	N/A	1.4199	0.0000
XLOC_004111	N/A	N/A	1.7303	0.0444
XLOC_004396	N/A	N/A	1.9449	0.0000
XLOC_004424	N/A	N/A	1.5827	0.0000
XLOC_004547	N/A	N/A	1.2750	0.0150
XLOC_005000	N/A	N/A	1.4048	0.0338
XLOC_005088	N/A	N/A	1.4460	0.0104
XLOC_005113	N/A	N/A	1.3368	0.0009
XLOC_005139	N/A	N/A	1.6671	0.0047
XLOC_005140	N/A	N/A	1.7047	0.0054

XLOC_005586	N/A	N/A	1.5286	0.0000
XLOC_005659	N/A	N/A	2.0934	0.0373
XLOC_005865	N/A	N/A	1.2703	0.0046
XLOC_006021	N/A	N/A	1.2187	0.0171
XLOC_006224	N/A	N/A	1.9366	0.0104
XLOC_006245	N/A	N/A	1.3844	0.0374
XLOC_006630	N/A	N/A	1.9153	0.0000
XLOC_006659	N/A	N/A	1.2432	0.0212
XLOC_006714	N/A	N/A	1.3720	0.0099
XLOC_007129	N/A	N/A	3.3248	0.0003
XLOC_007195	N/A	N/A	1.4379	0.0485
XLOC_007693	N/A	N/A	1.8890	0.0000
XLOC_007893	N/A	N/A	1.4901	0.0001
XLOC_008003	N/A	N/A	1.5492	0.0188
XLOC_008120	N/A	N/A	2.4084	0.0000
XLOC_008139	N/A	N/A	2.2394	0.0022
XLOC_008177	N/A	N/A	1.9579	0.0000
XLOC_008256	N/A	N/A	3.2235	0.0000
XLOC_008257	N/A	N/A	3.2235	0.0000
XLOC_008504	N/A	N/A	2.2210	0.0000
XLOC_009068	N/A	N/A	6.9227	0.0000
XLOC_009166	N/A	N/A	2.3964	0.0104
XLOC_009167	N/A	N/A	2.1468	0.0003
XLOC_009168	N/A	N/A	1.8284	0.0424
XLOC_009199	N/A	N/A	1.4554	0.0187
XLOC_009203	N/A	N/A	1.3257	0.0296
XLOC_009210	N/A	N/A	1.5233	0.0000
XLOC_009306	N/A	N/A	2.6741	0.0042
XLOC_009414	N/A	N/A	1.3634	0.0001
XLOC_009489	N/A	N/A	3.5105	0.0000
XLOC_009719	N/A	N/A	2.2177	0.0000
XLOC_009876	N/A	N/A	1.3145	0.0262
XLOC_009888	N/A	N/A	1.8693	0.0000
XLOC_010380	N/A	N/A	1.2716	0.0169
XLOC_010898	N/A	N/A	1.9761	0.0000
XLOC_011008	N/A	N/A	1.2367	0.0329
XLOC_011091	N/A	N/A	3.2854	0.0058
XLOC_011099	N/A	N/A	1.9628	0.0176
XLOC_011262	N/A	N/A	1.2850	0.0305
XLOC_011472	N/A	N/A	2.4873	0.0137
XLOC_011529	N/A	N/A	1.5173	0.0000
XLOC_011641	N/A	N/A	1.5474	0.0013
XLOC_011702	N/A	N/A	1.3688	0.0006
XLOC_011979	N/A	N/A	1.7695	0.0000
XLOC_011980	N/A	N/A	1.7201	0.0310
XLOC_012260	N/A	N/A	2.3965	0.0000
XLOC_012299	N/A	N/A	1.9644	0.0000
XLOC_012305	N/A	N/A	1.3290	0.0020
XLOC_012335	N/A	N/A	1.2325	0.0401
XLOC_012343	N/A	N/A	1.5436	0.0002
XLOC_012555	N/A	N/A	1.9524	0.0002
XLOC_012817	N/A	N/A	1.6452	0.0000
XLOC_013011	N/A	N/A	1.6513	0.0068
XLOC_013149	N/A	N/A	1.3155	0.0004
XLOC_013247	N/A	N/A	1.9246	0.0068
XLOC_013432	N/A	N/A	1.2866	0.0052
XLOC_013839	N/A	N/A	4.6812	0.0004
XLOC_014025	N/A	N/A	1.2548	0.0311
XLOC_014131	N/A	N/A	1.3694	0.0107
XLOC_014132	N/A	N/A	2.1135	0.0000
XLOC_014447	N/A	N/A	1.3759	0.0003
XLOC_014449	N/A	N/A	7.1822	0.0000
XLOC_014489	N/A	N/A	1.2881	0.0021
XLOC_014493	N/A	N/A	1.8311	0.0017
XLOC_014580	N/A	N/A	1.3169	0.0015
XLOC_014658	N/A	N/A	3.2047	0.0026
XLOC_014741	N/A	N/A	1.3919	0.0117
XLOC_014773	N/A	N/A	2.6750	0.0000
XLOC_014784	N/A	N/A	1.3772	0.0268
XLOC_014788	N/A	N/A	1.3311	0.0029
XLOC_014969	N/A	N/A	1.2392	0.0139
XLOC_015064	N/A	N/A	11.1051	0.0094
XLOC_015082	N/A	N/A	2.0101	0.0016
XLOC_015112	N/A	N/A	1.4146	0.0002
XLOC_015115	N/A	N/A	1.8122	0.0000
XLOC_015156	N/A	N/A	1.8982	0.0000
XLOC_015362	N/A	N/A	2.9960	0.0006
XLOC_015384	N/A	N/A	1.6900	0.0000
XLOC_015453	N/A	N/A	Inf	0.0436
XLOC_015498	N/A	N/A	4.5238	0.0177
XLOC_015509	N/A	N/A	1.3750	0.0002
XLOC_015751	N/A	N/A	2.1216	0.0025
XLOC_015834	N/A	N/A	1.2950	0.0181
XLOC_015933	N/A	N/A	1.8924	0.0387
XLOC_015967	N/A	N/A	1.4632	0.0168
XLOC_016274	N/A	N/A	1.4867	0.0274
XLOC_016298	N/A	N/A	1.4442	0.0089
XLOC_016358	N/A	N/A	1.5088	0.0004
XLOC_016363	N/A	N/A	4.0715	0.0190
XLOC_016365	N/A	N/A	1.5775	0.0000
XLOC_016470	N/A	N/A	1.3643	0.0001
XLOC_016560	N/A	N/A	1.2339	0.0100
XLOC_016572	N/A	N/A	1.2880	0.0454
XLOC_016656	N/A	N/A	1.3838	0.0217
XLOC_016760	N/A	N/A	1.2966	0.0021
XLOC_016931	N/A	N/A	2.2698	0.0000
XLOC_016974	N/A	N/A	1.9896	0.0348
XLOC_016984	N/A	N/A	1.4271	0.0000
XLOC_017117	N/A	N/A	2.9590	0.0299
XLOC_017184	N/A	N/A	1.5716	0.0240
XLOC_017340	N/A	N/A	6.8375	0.0237
XLOC_017350	N/A	N/A	1.6250	0.0011
XLOC_017448	N/A	N/A	1.2693	0.0294
XLOC_017657	N/A	N/A	1.2790	0.0061
XLOC_017809	N/A	N/A	1.2889	0.0007
XLOC_017873	N/A	N/A	1.2010	0.0397

XLOC_018128	N/A	N/A	1.8849	0.0191
XLOC_018400	N/A	N/A	1.7074	0.0000
XLOC_018469	N/A	N/A	2.8705	0.0213
XLOC_018800	N/A	N/A	1.7226	0.0191
XLOC_019182	N/A	N/A	1.2045	0.0364
XLOC_019183	N/A	N/A	12.0880	0.0090
XLOC_019351	N/A	N/A	1.6477	0.0023
XLOC_019414	N/A	N/A	1.2763	0.0085
XLOC_019632	N/A	N/A	1.3225	0.0005
XLOC_019633	N/A	N/A	1.3077	0.0162
XLOC_020050	N/A	N/A	2.5748	0.0003
XLOC_020063	N/A	N/A	1.2717	0.0044
XLOC_020113	N/A	N/A	1.5660	0.0007
XLOC_020119	N/A	N/A	2.1446	0.0000
XLOC_020315	N/A	N/A	1.2887	0.0144
XLOC_020337	N/A	N/A	1.3951	0.0005
XLOC_020406	N/A	N/A	1.3042	0.0014
XLOC_020756	N/A	N/A	1.7503	0.0000
XLOC_021022	N/A	N/A	2.5851	0.0000
XLOC_021254	N/A	N/A	2.4402	0.0000
XLOC_021638	N/A	N/A	1.4924	0.0215
XLOC_021661	N/A	N/A	6.0035	0.0000
XLOC_021712	N/A	N/A	1.4020	0.0186
XLOC_021716	N/A	N/A	2.5726	0.0000
XLOC_021801	N/A	N/A	1.3810	0.0126
XLOC_021845	N/A	N/A	1.8044	0.0367
XLOC_021848	N/A	N/A	1.5347	0.0000
XLOC_022041	N/A	N/A	1.2211	0.0290
XLOC_022043	N/A	N/A	1.5147	0.0019
XLOC_022446	N/A	N/A	2.5934	0.0005
XLOC_022514	N/A	N/A	1.2883	0.0024
XLOC_022684	N/A	N/A	2.1978	0.0033
XLOC_022685	N/A	N/A	2.3474	0.0202
XLOC_022820	N/A	N/A	1.2047	0.0429
XLOC_022891	N/A	N/A	1.3082	0.0042
XLOC_022907	N/A	N/A	2.3205	0.0000
XLOC_023196	N/A	N/A	1.9357	0.0000
XLOC_023344	N/A	N/A	2.0311	0.0000
XLOC_023443	N/A	N/A	1.4066	0.0000
XLOC_023580	N/A	N/A	1.2790	0.0038
XLOC_023691	N/A	N/A	1.8956	0.0065
XLOC_023748	N/A	N/A	2.1407	0.0000
XLOC_023817	N/A	N/A	1.8505	0.0000
XLOC_023906	N/A	N/A	1.4725	0.0003
XLOC_023916	N/A	N/A	3.9112	0.0213
XLOC_023950	N/A	N/A	1.2366	0.0220
XLOC_024226	N/A	N/A	1.3902	0.0001
XLOC_024272	N/A	N/A	1.9217	0.0144
XLOC_024375	N/A	N/A	1.5118	0.0000
XLOC_024854	N/A	N/A	1.4449	0.0000
XLOC_025385	N/A	N/A	1.5038	0.0001
XLOC_025420	N/A	N/A	2.3156	0.0149
XLOC_025474	N/A	N/A	2.4642	0.0160
XLOC_025718	N/A	N/A	1.4767	0.0001
XLOC_025759	N/A	N/A	2.2716	0.0012
XLOC_025766	N/A	N/A	2.4268	0.0000
XLOC_025770	N/A	N/A	1.8531	0.0000
XLOC_025954	N/A	N/A	1.9792	0.0000
XLOC_025964	N/A	N/A	2.3457	0.0000
XLOC_026026	N/A	N/A	1.8067	0.0243
XLOC_026247	N/A	N/A	1.3325	0.0079
XLOC_026253	N/A	N/A	2.0116	0.0090
XLOC_026682	N/A	N/A	1.3919	0.0003
XLOC_026956	N/A	N/A	1.9816	0.0000
XLOC_027174	N/A	N/A	1.4032	0.0012
XLOC_027288	N/A	N/A	1.2410	0.0436
XLOC_027423	N/A	N/A	2.6438	0.0004
XLOC_027507	N/A	N/A	1.8124	0.0227
XLOC_028022	N/A	N/A	1.2464	0.0375
XLOC_028177	N/A	N/A	2.0452	0.0000
XLOC_028209	N/A	N/A	1.8954	0.0000
XLOC_028458	N/A	N/A	1.3127	0.0201
XLOC_028477	N/A	N/A	1.3108	0.0132
XLOC_028521	N/A	N/A	1.3233	0.0007
XLOC_028649	N/A	N/A	4.0343	0.0004
XLOC_028732	N/A	N/A	4.1033	0.0001
XLOC_028733	N/A	N/A	4.1029	0.0432
XLOC_029628	N/A	N/A	1.8041	0.0092
XLOC_029651	N/A	N/A	1.7460	0.0480
XLOC_029678	N/A	N/A	1.3251	0.0429
XLOC_029893	N/A	N/A	2.0397	0.0000
XLOC_029894	N/A	N/A	1.4048	0.0002
XLOC_030037	N/A	N/A	1.4377	0.0133
XLOC_030380	N/A	N/A	1.4732	0.0101
XLOC_030669	N/A	N/A	2.5028	0.0000
XLOC_030701	N/A	N/A	5.0249	0.0000
XLOC_030777	N/A	N/A	1.7783	0.0000
XLOC_030778	N/A	N/A	1.4405	0.0087
XLOC_030987	N/A	N/A	1.7285	0.0000
XLOC_031011	N/A	N/A	1.9362	0.0169
XLOC_031065	N/A	N/A	1.8109	0.0000
XLOC_031295	N/A	N/A	1.4021	0.0001
XLOC_031463	N/A	N/A	4.4878	0.0008
XLOC_031522	N/A	N/A	1.5266	0.0065
XLOC_031555	N/A	N/A	1.2925	0.0149
XLOC_031606	N/A	N/A	5.5654	0.0000
XLOC_031979	N/A	N/A	2.9552	0.0000
XLOC_031980	N/A	N/A	1.2494	0.0064
XLOC_032039	N/A	N/A	1.3919	0.0030
XLOC_032041	N/A	N/A	1.7103	0.0000
XLOC_032368	N/A	N/A	2.0630	0.0000
XLOC_032373	N/A	N/A	1.6603	0.0000
XLOC_032396	N/A	N/A	1.3325	0.0009
XLOC_032465	N/A	N/A	1.6422	0.0000
XLOC_032668	N/A	N/A	2.6648	0.0170
XLOC_032757	N/A	N/A	1.9267	0.0001

XLOC_033121	N/A	N/A	2.0787	0.0008
XLOC_033174	N/A	N/A	1.3913	0.0001
XLOC_033527	N/A	N/A	1.4344	0.0000
XLOC_033609	N/A	N/A	2.3636	0.0000
XLOC_033665	N/A	N/A	1.2927	0.0013
XLOC_034045	N/A	N/A	1.2249	0.0430
XLOC_034198	N/A	N/A	1.3250	0.0237
XLOC_034219	N/A	N/A	1.3201	0.0062
XLOC_034325	N/A	N/A	3.1266	0.0148
XLOC_034369	N/A	N/A	1.3413	0.0015
XLOC_034479	N/A	N/A	1.3625	0.0244
XLOC_034490	N/A	N/A	1.4708	0.0232
XLOC_034492	N/A	N/A	2.0111	0.0013
XLOC_034730	N/A	N/A	1.5282	0.0001
XLOC_034920	N/A	N/A	3.2601	0.0083
XLOC_035128	N/A	N/A	1.3128	0.0108
XLOC_035262	N/A	N/A	1.4566	0.0094
XLOC_035693	N/A	N/A	1.3137	0.0015
XLOC_035702	N/A	N/A	1.5658	0.0001
XLOC_035897	N/A	N/A	1.7029	0.0008
XLOC_035940	N/A	N/A	3.6066	0.0000
XLOC_035955	N/A	N/A	2.5688	0.0009
XLOC_036336	N/A	N/A	3.1689	0.0000
XLOC_036338	N/A	N/A	2.1432	0.0325
XLOC_036659	N/A	N/A	1.2507	0.0310
XLOC_036967	N/A	N/A	1.2865	0.0091
XLOC_037170	N/A	N/A	1.5956	0.0000
XLOC_037187	N/A	N/A	1.2651	0.0038
XLOC_037433	N/A	N/A	3.1082	0.0498
XLOC_037727	N/A	N/A	1.2992	0.0443
XLOC_037858	N/A	N/A	1.5381	0.0046
XLOC_038075	N/A	N/A	1.6279	0.0475
XLOC_038322	N/A	N/A	1.4270	0.0102
XLOC_038417	N/A	N/A	1.5388	0.0000
XLOC_038473	N/A	N/A	1.3576	0.0002
XLOC_038516	N/A	N/A	1.8529	0.0007
XLOC_038857	N/A	N/A	2.2423	0.0113
XLOC_038862	N/A	N/A	21.9440	0.0330
XLOC_038888	N/A	N/A	1.8289	0.0000
XLOC_038908	N/A	N/A	2.0933	0.0000
XLOC_038933	N/A	N/A	2.2740	0.0000
XLOC_039156	N/A	N/A	2.2471	0.0000
XLOC_039163	N/A	N/A	2.0762	0.0001
XLOC_039403	N/A	N/A	1.8140	0.0000
XLOC_039577	N/A	N/A	3.1546	0.0000
XLOC_039578	N/A	N/A	4.6562	0.0000
XLOC_039598	N/A	N/A	1.4931	0.0104
XLOC_039985	N/A	N/A	28.0492	0.0000
XLOC_040114	N/A	N/A	2.8075	0.0290
XLOC_040150	N/A	N/A	1.6538	0.0000
XLOC_040192	N/A	N/A	1.4805	0.0004
XLOC_040628	N/A	N/A	1.4025	0.0391
XLOC_040884	N/A	N/A	2.8018	0.0250
XLOC_040886	N/A	N/A	3.1064	0.0030
XLOC_041004	N/A	N/A	1.2971	0.0142
XLOC_041064	N/A	N/A	1.4078	0.0000
XLOC_041084	N/A	N/A	1.6614	0.0049
XLOC_041125	N/A	N/A	1.4810	0.0000
XLOC_041150	N/A	N/A	1.9820	0.0062
XLOC_041347	N/A	N/A	1.8631	0.0000
XLOC_041463	N/A	N/A	6.8565	0.0000
XLOC_041576	N/A	N/A	1.4510	0.0241
XLOC_041630	N/A	N/A	3.1265	0.0000
XLOC_041741	N/A	N/A	1.7712	0.0000
XLOC_041829	N/A	N/A	2.1627	0.0438
XLOC_042031	N/A	N/A	4.7749	0.0056
XLOC_042154	N/A	N/A	4.9134	0.0000
XLOC_042264	N/A	N/A	1.3050	0.0153
XLOC_042334	N/A	N/A	1.5882	0.0000
XLOC_042459	N/A	N/A	1.4031	0.0039
XLOC_042750	N/A	N/A	3.0790	0.0000
XLOC_042798	N/A	N/A	1.6651	0.0000
XLOC_042878	N/A	N/A	1.4092	0.0255
XLOC_042958	N/A	N/A	7.8998	0.0009
XLOC_042970	N/A	N/A	1.3622	0.0002
XLOC_043230	N/A	N/A	2.3173	0.0277
XLOC_043360	N/A	N/A	1.4431	0.0000
XLOC_043516	N/A	N/A	1.4892	0.0002
XLOC_043523	N/A	N/A	1.4892	0.0002
XLOC_043579	N/A	N/A	1.8785	0.0258
XLOC_043710	N/A	N/A	2.0673	0.0036
XLOC_043725	N/A	N/A	3.3062	0.0001
XLOC_043813	N/A	N/A	1.4226	0.0139
XLOC_043842	N/A	N/A	4.9723	0.0000
XLOC_043897	N/A	N/A	5.3374	0.0000
XLOC_044041	N/A	N/A	1.2965	0.0272
XLOC_044269	N/A	N/A	3.3372	0.0416
XLOC_044698	N/A	N/A	1.2160	0.0247
XLOC_044964	N/A	N/A	2.1238	0.0001
XLOC_044974	N/A	N/A	1.4880	0.0000
XLOC_045152	N/A	N/A	11.8039	0.0018
ENSXETG00000017009	N4BP2L1	NEDD4 binding protein 2-like 1 [Source:Jamboree;Acc:XB-GENE-1001194]	1.5292	0.0000
ENSXETG00000004428	NAB2	NGFI-A binding protein 2 (EGR1 binding protein 2) [Source:Jamboree;Acc:XB-GENE-957953]	1.4322	0.0241
ENSXETG00000005594	NACC1	nucleus accumbens associated 1, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-979467]	1.8884	0.0000
ENSXETG00000000723	NACC2	NACC family member 2, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-986407]	3.0935	0.0000
ENSXETG00000006558	NANS	N-acetylneuraminic acid synthase [Source:Jamboree;Acc:XB-GENE-977732]	1.4122	0.0000
ENSXETG00000021305	NBEAL2	neurobeachin-like 2 [Source:Jamboree;Acc:XB-GENE-6038810]	1.2381	0.0266
ENSXETG00000017604	NBL1	neuroblastoma, suppression of tumorigenicity 1 [Source:Jamboree;Acc:XB-GENE-479181]	1.7416	0.0084
ENSXETG00000006631	NCALD	neurocalcin delta [Source:Jamboree;Acc:XB-GENE-948387]	1.2538	0.0094
ENSXETG00000007054	NCAM2	neural cell adhesion molecule 2 [Source:Jamboree;Acc:XB-GENE-1217730]	1.3378	0.0002
ENSXETG00000005319	NCCRP1	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish) [Source:Jamboree;Acc:XB-GENE-1013762]	1.3426	0.0008
ENSXETG00000013251	NCEH1	neutral cholesterol ester hydrolase 1 [Source:Jamboree;Acc:XB-GENE-959943]	1.5436	0.0000
ENSXETG00000004299	NCKAP1L	NCK-associated protein 1-like [Source:Jamboree;Acc:XB-GENE-953118]	2.4919	0.0015
ENSXETG00000003480	NCOA3	nuclear receptor coactivator 3 [Source:Jamboree;Acc:XB-GENE-486618]	1.4077	0.0000
ENSXETG00000001192	NCOR2	nuclear receptor corepressor 2 [Source:Jamboree;Acc:XB-GENE-5963150]	1.7382	0.0000
ENSXETG00000001355	NCS1	neuronal calcium sensor 1 [Source:Jamboree;Acc:XB-GENE-953740]	1.4707	0.0381

ENSXETG00000019569	NDFIP1	Nedd4 family interacting protein 1 [Source:Jamboree;Acc:XB-GENE-961957]	1.2504	0.0070
ENSXETG00000010988	NDRG1	N-myc downstream regulated 1 [Source:Jamboree;Acc:XB-GENE-993273]	1.4843	0.0047
ENSXETG00000016160	NDRG2	NDRG family member 2 [Source:Jamboree;Acc:XB-GENE-951910]	1.3241	0.0009
ENSXETG00000004033	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3 [Source:Jamboree;Acc:XB-GENE-1001604]	1.3915	0.0004
ENSXETG00000010566	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4 [Source:Jamboree;Acc:XB-GENE-951845]	1.5669	0.0000
ENSXETG00000016599	NEBL	nebulette [Source:Jamboree;Acc:XB-GENE-492269]	1.7440	0.0000
ENSXETG00000014601	NECAB1	N-terminal EF-hand calcium binding protein 1 [Source:Jamboree;Acc:XB-GENE-943030]	1.5769	0.0000
ENSXETG00000021142	NEDD4L	neural precursor cell expressed, developmentally down-regulated 4-like [Source:Jamboree;Acc:XB-GENE-489248]	1.2544	0.0060
ENSXETG00000024105	NEGR1	neuronal growth regulator 1 [Source:Jamboree;Acc:XB-GENE-987949]	1.3509	0.0002
ENSXETG00000019906	NEK10	NIMA (never in mitosis gene a)- related kinase 10 [Source:Jamboree;Acc:XB-GENE-6042069]	1.9383	0.0188
ENSXETG00000006888	NEK4	NIMA (never in mitosis gene a)-related kinase 4 [Source:Jamboree;Acc:XB-GENE-5914376]	1.6417	0.0003
ENSXETG00000014625	NELL2	NEL-like 2 [Source:Jamboree;Acc:XB-GENE-852641]	1.6550	0.0000
ENSXETG00000016864	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1 [Source:Jamboree;Acc:XB-GENE-1013796]	1.3225	0.0017
ENSXETG00000003122	NEU4	sialidase 4 [Source:Jamboree;Acc:XB-GENE-959717]	1.8596	0.0007
ENSXETG00000015140	NEUROD2	neurogenic differentiation 2 [Source:Jamboree;Acc:XB-GENE-1008512]	1.4385	0.0397
ENSXETG00000008149	NFIC	nuclear factor I/C (CCAAT-binding transcription factor) [Source:Jamboree;Acc:XB-GENE-484367]	3.2135	0.0000
ENSXETG00000022580	NHSL2	NHS-like 2 [Source:Jamboree;Acc:XB-GENE-6467658]	1.6584	0.0000
ENSXETG00000021425	NLGN4X	neuroligin 4, X-linked [Source:Jamboree;Acc:XB-GENE-6036018]	1.2074	0.0313
ENSXETG00000001325	NOG	noggin [Source:Jamboree;Acc:XB-GENE-487724]	1.4557	0.0239
ENSXETG00000016209	NOSTRIN	nitric oxide synthase trafficker [Source:Jamboree;Acc:XB-GENE-988808]	1.3905	0.0148
ENSXETG00000019001	NPC1L1	NPC1 (Niemann-Pick disease, type C1, gene)-like 1 [Source:Jamboree;Acc:XB-GENE-964011]	2.2617	0.0002
ENSXETG00000006144	NPFFR1	neuropeptide FF receptor 1 [Source:Jamboree;Acc:XB-GENE-987767]	1.3973	0.0247
ENSXETG00000014111	NPNT	nephronectin [Source:Jamboree;Acc:XB-GENE-952278]	1.2785	0.0081
ENSXETG00000013082	NPPB	natriuretic peptide B [Source:Jamboree;Acc:XB-GENE-487178]	1.5800	0.0022
ENSXETG00000005188	NPTN	neuroplastin [Source:Jamboree;Acc:XB-GENE-1011670]	1.2191	0.0165
ENSXETG00000024035	NPTX2	neuronal pentraxin 2 [Source:Jamboree;Acc:XB-GENE-998773]	1.8298	0.0300
ENSXETG00000006906	NPTXR	neuronal pentraxin receptor [Source:Jamboree;Acc:XB-GENE-983806]	2.0746	0.0005
ENSXETG00000024397	NR1D1	nuclear receptor subfamily 1, group D, member 1 [Source:Jamboree;Acc:XB-GENE-478094]	1.6737	0.0000
ENSXETG00000003869	NR1D2	nuclear receptor subfamily 1, group D, member 2 [Source:Jamboree;Acc:XB-GENE-478410]	1.4667	0.0000
ENSXETG00000011046	NR2F5	nuclear receptor subfamily 2, group F, member 5 [Source:Jamboree;Acc:XB-GENE-486334]	1.8315	0.0182
ENSXETG00000026061	NR3C2	nuclear receptor subfamily 3, group C, member 2 [Source:Jamboree;Acc:XB-GENE-483085]	2.6348	0.0000
ENSXETG00000015769	NRCAM	neuronal cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-489769]	1.1867	0.0465
ENSXETG00000017504	NRG1	neuregulin 1 [Source:Jamboree;Acc:XB-GENE-1011451]	1.2341	0.0445
ENSXETG00000004423	NRIP3	nuclear receptor interacting protein 3 [Source:Jamboree;Acc:XB-GENE-997031]	1.2350	0.0337
ENSXETG00000010095	NRP2	neuropilin 2 [Source:Jamboree;Acc:XB-GENE-485735]	1.6082	0.0007
ENSXETG00000021990	NRSN1	neurensin 1 [Source:Jamboree;Acc:XB-GENE-1005881]	1.1898	0.0392
ENSXETG00000010949	NT5C1B	5'-nucleotidase, cytosolic IB [Source:Jamboree;Acc:XB-GENE-1009625]	1.3324	0.0007
ENSXETG00000005357	NT5DC3	5'-nucleotidase domain containing 3 [Source:Jamboree;Acc:XB-GENE-940463]	1.4785	0.0060
ENSXETG00000015706	NTM	neurotrimin [Source:Jamboree;Acc:XB-GENE-6045425]	1.5326	0.0000
ENSXETG00000009235	NTN4	netrin 4 [Source:HGNC Symbol;Acc:HGNC:13658]	1.5858	0.0003
ENSXETG00000009943	NTNG1	netrin G1 [Source:Jamboree;Acc:XB-GENE-981283]	1.2797	0.0034
ENSXETG00000011726	NTRK2	neurotrophic tyrosine kinase, receptor, type 2 [Source:Jamboree;Acc:XB-GENE-922932]	1.3500	0.0001
ENSXETG00000016026	NUCB2	nucleobindin 2 [Source:Jamboree;Acc:XB-GENE-485477]	1.3296	0.0058
ENSXETG00000010538	NUDT18	nudix (nucleoside diphosphate linked moiety X)-type motif 18 [Source:Jamboree;Acc:XB-GENE-6035439]	1.5121	0.0146
ENSXETG00000007198	NUDT22	nudix (nucleoside diphosphate linked moiety X)-type motif 22 [Source:Jamboree;Acc:XB-GENE-5961541]	1.5009	0.0000
ENSXETG00000010777	NXPH1	neurexophilin 1 [Source:Jamboree;Acc:XB-GENE-5808393]	1.3927	0.0000
ENSXETG00000018631	NXPH3	neurexophilin 3 [Source:Jamboree;Acc:XB-GENE-953177]	1.3360	0.0019
ENSXETG00000013910	OBSCN	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF [Source:Jamboree;Acc:XB-GENE-957361]	2.9779	0.0007
ENSXETG00000005850	OLFM2	olfactomedin 2 [Source:Jamboree;Acc:XB-GENE-958655]	1.2339	0.0149
ENSXETG00000011546	OPRL1	opiate receptor-like 1 [Source:Jamboree;Acc:XB-GENE-5825353]	1.4725	0.0000
ENSXETG00000008401	OPRM1	opioid receptor, mu 1 [Source:Jamboree;Acc:XB-GENE-1011391]	1.3072	0.0029
ENSXETG00000000442	OPTC	opticin [Source:Jamboree;Acc:XB-GENE-941989]	1.6041	0.0000
ENSXETG00000004483	ORAI1	ORAI calcium release-activated calcium modulator 1 [Source:Jamboree;Acc:XB-GENE-962826]	1.2399	0.0338
ENSXETG00000003108	OSBPL10	oxysterol binding protein-like 10 [Source:Jamboree;Acc:XB-GENE-995970]	1.4016	0.0006
ENSXETG00000015091	OSBPL1A	oxysterol binding protein-like 1A [Source:Jamboree;Acc:XB-GENE-1011513]	1.3671	0.0001
ENSXETG00000002006	OSBPL2	oxysterol binding protein-like 2 [Source:Jamboree;Acc:XB-GENE-855645]	1.3765	0.0035
ENSXETG00000013334	OSBPL8	oxysterol binding protein-like 8 [Source:Jamboree;Acc:XB-GENE-5961068]	1.2584	0.0080
ENSXETG00000013222	OSMR	oncostatin M receptor [Source:Jamboree;Acc:XB-GENE-491162]	1.6274	0.0051
ENSXETG00000003330	OTOF	otoferlin [Source:Jamboree;Acc:XB-GENE-1006200]	1.6879	0.0000
ENSXETG00000016183	OTOL1	otolin 1 [Source:Jamboree;Acc:XB-GENE-950285]	2.1101	0.0000
ENSXETG00000016206	OXSR1	oxidative-stress responsive 1 [Source:Jamboree;Acc:XB-GENE-1012528]	1.2697	0.0159
ENSXETG00000027327	OXT	oxytocin, prepropeptide [Source:Jamboree;Acc:XB-GENE-478274]	1.5788	0.0195
ENSXETG00000027713	P2RY1	purinergic receptor P2Y, G-protein coupled, 1 [Source:Jamboree;Acc:XB-GENE-1000145]	1.5580	0.0000
ENSXETG00000010723	P2RY2	purinergic receptor P2Y, G-protein coupled, 2 [Source:Jamboree;Acc:XB-GENE-1005097]	5.7099	0.0017
ENSXETG00000012375	PACSIN1	protein kinase C and casein kinase substrate in neurons 1 [Source:Jamboree;Acc:XB-GENE-494779]	1.2547	0.0053
ENSXETG00000003761	PAFAH1B2	platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (30kDa) [Source:Jamboree;Acc:XB-GENE-962580]	1.2541	0.0103
ENSXETG00000015090	PAK7	p21 protein (Cdc42/Rac)-activated kinase 7 [Source:Jamboree;Acc:XB-GENE-960008]	1.1965	0.0424
ENSXETG00000012083	PANK4	pantothenate kinase 4 [Source:Jamboree;Acc:XB-GENE-1012421]	1.2234	0.0386
ENSXETG00000022139	PAOX	polyamine oxidase (exo-N4-amino) [Source:Jamboree;Acc:XB-GENE-946701]	1.4482	0.0015
ENSXETG00000002598	PAQR6	progestin and adipoQ receptor family member VI [Source:Jamboree;Acc:XB-GENE-5863258]	1.3162	0.0013
ENSXETG00000000087	PARP3	poly (ADP-ribose) polymerase family, member 3 [Source:Jamboree;Acc:XB-GENE-987109]	1.6656	0.0006
ENSXETG00000004872	PARVB	parvin, beta [Source:Jamboree;Acc:XB-GENE-947900]	1.6190	0.0004
ENSXETG00000008191	PCBD1	pha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha [Source:Jamboree;Acc:XB-GENI	2.0445	0.0002
ENSXETG00000001875	PCDH1	protocadherin 1 [Source:Jamboree;Acc:XB-GENE-983603]	1.4420	0.0003
ENSXETG00000013565	PCDH17	protocadherin 17 [Source:Jamboree;Acc:XB-GENE-480220]	1.3904	0.0015
ENSXETG00000012808	PCDH20	protocadherin 20 [Source:Jamboree;Acc:XB-GENE-484153]	1.7388	0.0000
ENSXETG00000022281	PCDH7	protocadherin 7 [Source:Jamboree;Acc:XB-GENE-1007357]	1.2537	0.0433
ENSXETG00000014217	PCLO	piccolo presynaptic cytomatrix protein [Source:HGNC Symbol;Acc:HGNC:13406]	1.1813	0.0441
ENSXETG00000017500	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase [Source:Jamboree;Acc:XB-GENE-959017]	1.3335	0.0017
ENSXETG00000011493	PCMTD2	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2 [Source:Jamboree;Acc:XB-GENE-947888]	1.2320	0.0268
ENSXETG00000000593	PCOLCE2	procollagen C-endopeptidase enhancer 2 [Source:Jamboree;Acc:XB-GENE-1015978]	2.1963	0.0000
ENSXETG00000003545	PCSK2	proprotein convertase subtilisin/kexin type 2 [Source:Jamboree;Acc:XB-GENE-960013]	1.2011	0.0337
ENSXETG00000006663	PCSK6	proprotein convertase subtilisin/kexin type 6 [Source:Jamboree;Acc:XB-GENE-979058]	2.1642	0.0000
ENSXETG00000004298	PDE1B	phosphodiesterase 1B, calmodulin-dependent [Source:Jamboree;Acc:XB-GENE-987197]	1.2365	0.0087
ENSXETG00000023430	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa [Source:Jamboree;Acc:XB-GENE-994226]	1.7152	0.0000
ENSXETG00000012264	PDE2A	phosphodiesterase 2A, cGMP-stimulated [Source:Jamboree;Acc:XB-GENE-5945995]	1.4464	0.0000
ENSXETG00000001379	PDGFA	platelet-derived growth factor alpha polypeptide [Source:Jamboree;Acc:XB-GENE-484495]	1.6651	0.0000
ENSXETG00000021035	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide [Source:Jamboree;Acc:XB-GENE-6072920]	1.6688	0.0052
ENSXETG00000000689	PDGFRL	platelet-derived growth factor receptor-like [Source:Jamboree;Acc:XB-GENE-921443]	1.6518	0.0145
ENSXETG00000017929	PDIA4	protein disulfide isomerase family A, member 4 [Source:Jamboree;Acc:XB-GENE-5892157]	2.3947	0.0000
ENSXETG00000021812	PDK3	pyruvate dehydrogenase kinase, isozyme 3 [Source:Jamboree;Acc:XB-GENE-964797]	1.3164	0.0022
ENSXETG00000004025	PDPK1	3-phosphoinositide dependent protein kinase-1 [Source:Jamboree;Acc:XB-GENE-991549]	1.2735	0.0063
ENSXETG00000005533	PDXDC1	pyridoxal-dependent decarboxylase domain containing 1 [Source:Jamboree;Acc:XB-GENE-1005631]	1.2251	0.0419
ENSXETG00000017875	PDXK	pyridoxal (pyridoxine, vitamin B6) kinase [Source:Jamboree;Acc:XB-GENE-5810533]	1.2340	0.0110
ENSXETG00000021587	PDZD3	PDZ domain containing 3 [Source:Jamboree;Acc:XB-GENE-486153]	2.4084	0.0000
ENSXETG00000008122	PEA15	phosphoprotein enriched in astrocytes 15 [Source:Jamboree;Acc:XB-GENE-945186]	1.8064	0.0015
ENSXETG00000025813	PEBP4	phosphatidylethanolamine-binding protein 4 [Source:Jamboree;Acc:XB-GENE-941751]	1.6856	0.0034
ENSXETG00000012570	PECAM1	platelet/endothelial cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-488102]	1.5250	0.0000
ENSXETG00000005657	PENK	proenkephalin [Source:Jamboree;Acc:XB-GENE-942760]	1.5281	0.0000
ENSXETG00000009362	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 [Source:Jamboree;Acc:XB-GENE-1001570]	1.2170	0.0449
ENSXETG00000007279	PFKM	phosphofructokinase, muscle [Source:Jamboree;Acc:XB-GENE-1000684]	1.4262	0.0008
ENSXETG00000015142	PGAP3	post-GPI attachment to proteins 3 [Source:Jamboree;Acc:XB-GENE-947217]	1.2936	0.0468
ENSXETG00000023336	PGBD5	piggyBac transposable element derived 5 [Source:Jamboree;Acc:XB-GENE-6258815]	1.3606	0.0011
ENSXETG00000022805	PGM2L1	phosphoglucomutase 2-like 1 [Source:Jamboree;Acc:XB-GENE-6076458]	1.2803	0.0136
ENSXETG00000001670	PGM5	phosphoglucomutase 5 [Source:Jamboree;Acc:XB-GENE-953082]	1.7519	0.0023
ENSXETG00000005482	PGR	progesterone receptor [Source:Jamboree;Acc:XB-GENE-484457]	8.3822	0.0298

ENSXETG00000002268	PHACTR1	phosphatase and actin regulator 1 [Source:Jamboree;Acc:XB-GENE-5959316]	1.2312	0.0455
ENSXETG00000009785	PHACTR2	phosphatase and actin regulator 2 [Source:Jamboree;Acc:XB-GENE-494731]	1.2917	0.0198
ENSXETG00000006756	PHKA1P1	phosphorylase kinase, alpha 1 pseudogene 1 [Source:Jamboree;Acc:XB-GENE-1012252]	1.6007	0.0000
ENSXETG00000003918	PHKB	phosphorylase kinase, beta [Source:Jamboree;Acc:XB-GENE-1010420]	1.4130	0.0001
ENSXETG00000010064	PHKG1	phosphorylase kinase, gamma 1 (muscle) [Source:Jamboree;Acc:XB-GENE-987485]	3.1722	0.0000
ENSXETG00000010535	PHYHIP	phytanoyl-CoA 2-hydroxylase interacting protein [Source:Jamboree;Acc:XB-GENE-999561]	3.0562	0.0000
ENSXETG00000005118	PHYHIPL	phytanoyl-CoA 2-hydroxylase interacting protein-like [Source:Jamboree;Acc:XB-GENE-954796]	1.2099	0.0348
ENSXETG00000010815	PICK1	protein interacting with PRKCA 1 [Source:Jamboree;Acc:XB-GENE-959376]	1.2434	0.0144
ENSXETG00000014759	PID1	phosphotyrosine interaction domain containing 1 [Source:Jamboree;Acc:XB-GENE-960454]	1.2860	0.0046
ENSXETG00000010280	PIK3C3	phosphoinositide-3-kinase, class 3 [Source:Jamboree;Acc:XB-GENE-6085226]	1.5262	0.0013
ENSXETG00000008254	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide [Source:Jamboree;Acc:XB-GENE-482674]	1.2690	0.0225
ENSXETG00000019515	PIK3R5	phosphoinositide-3-kinase, regulatory subunit 5 [Source:Jamboree;Acc:XB-GENE-1015957]	1.9005	0.0075
ENSXETG00000019512	PIK3R6	phosphoinositide-3-kinase, regulatory subunit 6 [Source:Jamboree;Acc:XB-GENE-989316]	1.5585	0.0245
ENSXETG00000014529	PIM3	pim-3 oncogene [Source:Jamboree;Acc:XB-GENE-922022]	1.3339	0.0015
ENSXETG00000001678	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta [Source:Jamboree;Acc:XB-GENE-987075]	1.7891	0.0000
ENSXETG00000022439	PIR	pirin (iron-binding nuclear protein) [Source:Jamboree;Acc:XB-GENE-956141]	1.7919	0.0004
ENSXETG00000010057	PITPNC1	phosphatidylinositol transfer protein, cytoplasmic 1 [Source:Jamboree;Acc:XB-GENE-5779888]	1.6075	0.0000
ENSXETG00000015945	PKD1	polycystic kidney disease 1 (autosomal dominant) [Source:Jamboree;Acc:XB-GENE-483409]	1.3549	0.0024
ENSXETG00000027262	PKIA	protein kinase (cAMP-dependent, catalytic) inhibitor alpha [Source:Jamboree;Acc:XB-GENE-962961]	1.2204	0.0395
ENSXETG00000007579	PLA2R1	phospholipase A2 receptor 1, 180kDa [Source:Jamboree;Acc:XB-GENE-1000168]	1.4193	0.0007
ENSXETG00000009136	PLD1	phospholipase D1, phosphatidylcholine-specific [Source:Jamboree;Acc:XB-GENE-948465]	2.2366	0.0000
ENSXETG00000026788	PLEKHB2	pleckstrin homology domain containing, family B (evectins) member 2 [Source:Jamboree;Acc:XB-GENE-983205]	2.1505	0.0000
ENSXETG00000013400	PLEKHM2	leckstrin homology domain containing, family M (with RUN domain) member 2 [Source:Jamboree;Acc:XB-GENE-571744	1.3238	0.0097
ENSXETG00000017733	PLIN1	perilipin 1 [Source:Jamboree;Acc:XB-GENE-949442]	2.1745	0.0065
ENSXETG00000018134	PLP1	proteolipid protein 1 [Source:Jamboree;Acc:XB-GENE-1008580]	1.6356	0.0004
ENSXETG00000016596	PLXDC2	plexin domain containing 2 [Source:Jamboree;Acc:XB-GENE-856530]	1.4483	0.0003
ENSXETG00000011446	PLXNA4	plexin A4 [Source:Jamboree;Acc:XB-GENE-856502]	1.2441	0.0068
ENSXETG00000011263	PMEPA1	prostate transmembrane protein, androgen induced 1 [Source:Jamboree;Acc:XB-GENE-1013948]	3.2986	0.0000
ENSXETG00000007699	PNCK	pregnancy up-regulated non-ubiquitously expressed CaM kinase [Source:Jamboree;Acc:XB-GENE-961042]	1.9857	0.0000
ENSXETG00000021158	PNOC	prepronociceptin [Source:Jamboree;Acc:XB-GENE-877024]	1.3049	0.0301
ENSXETG00000008164	PNPLA4	patatin-like phospholipase domain containing 4 [Source:Jamboree;Acc:XB-GENE-968680]	1.9624	0.0007
ENSXETG00000021955	PNPO	pyridoxamine 5'-phosphate oxidase [Source:Jamboree;Acc:XB-GENE-955839]	1.2368	0.0483
ENSXETG00000018700	POFUT2	protein O-fucosyltransferase 2 [Source:Jamboree;Acc:XB-GENE-1018927]	1.7081	0.0158
ENSXETG00000001142	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa [Source:Jamboree;Acc:XB-GENE-5913354]	3.4930	0.0000
ENSXETG00000020299	PON2	paraoxonase 2 [Source:Jamboree;Acc:XB-GENE-491654]	1.2723	0.0028
ENSXETG00000018064	POPDC2	popeye domain containing 2 [Source:Jamboree;Acc:XB-GENE-958806]	3.1885	0.0000
ENSXETG00000009592	PPAPDC1A	phosphatidic acid phosphatase type 2 domain containing 1A [Source:Jamboree;Acc:XB-GENE-6051164]	2.4985	0.0015
ENSXETG00000006754	PPEF1	protein phosphatase, EF-hand calcium binding domain 1 [Source:Jamboree;Acc:XB-GENE-6037564]	1.3490	0.0004
ENSXETG00000016522	PPFIBP1	PTPRF interacting protein, binding protein 1 (liprin beta 1) [Source:Jamboree;Acc:XB-GENE-1014146]	1.3104	0.0043
ENSXETG00000009056	PPFIBP2	PTPRF interacting protein, binding protein 2 (liprin beta 2) [Source:Jamboree;Acc:XB-GENE-1013068]	1.6783	0.0001
ENSXETG00000004653	PPIP5K1	diphosphoinositol pentakisphosphate kinase 1 [Source:Jamboree;Acc:XB-GENE-6258750]	1.3891	0.0094
ENSXETG00000009137	PPL	periplakin [Source:Jamboree;Acc:XB-GENE-1008954]	1.5297	0.0001
ENSXETG00000001119	PPM1E	protein phosphatase, Mg2+/Mn2+ dependent, 1E [Source:Jamboree;Acc:XB-GENE-877220]	1.3380	0.0013
ENSXETG00000008726	PPM1L	protein phosphatase, Mg2+/Mn2+ dependent, 1L [Source:Jamboree;Acc:XB-GENE-950664]	1.2457	0.0174
ENSXETG00000021468	PPP1R12A	protein phosphatase 1, regulatory (inhibitor) subunit 12A [Source:Jamboree;Acc:XB-GENE-5896537]	1.2114	0.0395
ENSXETG00000023064	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B [Source:Jamboree;Acc:XB-GENE-993686]	1.2660	0.0059
ENSXETG00000018235	PPP1R13L	protein phosphatase 1, regulatory (inhibitor) subunit 13 like [Source:Jamboree;Acc:XB-GENE-5848597]	2.0738	0.0003
ENSXETG00000022545	PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C [Source:Jamboree;Acc:XB-GENE-487684]	1.5314	0.0000
ENSXETG00000012142	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B [Source:Jamboree;Acc:XB-GENE-982398]	1.6405	0.0000
ENSXETG00000020305	PPP1R9A	protein phosphatase 1, regulatory (inhibitor) subunit 9A [Source:Jamboree;Acc:XB-GENE-493280]	1.3185	0.0004
ENSXETG00000011604	PPP2R2C	protein phosphatase 2, regulatory subunit B, gamma [Source:Jamboree;Acc:XB-GENE-6076030]	1.5182	0.0000
ENSXETG00000010224	PPP2R5C	protein phosphatase 2, regulatory subunit B', gamma [Source:Jamboree;Acc:XB-GENE-479228]	1.2529	0.0047
ENSXETG00000010528	PPP3CB	protein phosphatase 3, catalytic subunit, beta isozyme [Source:Jamboree;Acc:XB-GENE-949827]	1.2405	0.0093
ENSXETG00000017355	PPP3R1	protein phosphatase 3, regulatory subunit B, alpha [Source:Jamboree;Acc:XB-GENE-948794]	1.2125	0.0275
ENSXETG00000010315	PPP4R4	protein phosphatase 4, regulatory subunit 4 [Source:Jamboree;Acc:XB-GENE-1011051]	1.4628	0.0000
ENSXETG00000026025	PPPDE2	PPPDE peptidase domain containing 2 [Source:Jamboree;Acc:XB-GENE-998981]	1.2840	0.0090
ENSXETG00000024438	PQLC3	PQ loop repeat containing 3 [Source:Jamboree;Acc:XB-GENE-5946334]	1.3776	0.0091
ENSXETG00000000068	PRDM15	PR domain containing 15 [Source:Jamboree;Acc:XB-GENE-1013930]	1.3571	0.0079
ENSXETG00000010261	PRDM6	PR domain containing 6 [Source:Jamboree;Acc:XB-GENE-854907]	1.4419	0.0001
ENSXETG00000021533	PRDM8	PR domain containing 8 [Source:Jamboree;Acc:XB-GENE-984391]	1.4915	0.0058
ENSXETG00000006797	PRICKLE1	prickle homolog 1 [Source:Jamboree;Acc:XB-GENE-486941]	2.0684	0.0000
ENSXETG00000006535	PRICKLE2	prickle homolog 2 [Source:Jamboree;Acc:XB-GENE-482891]	1.6958	0.0000
ENSXETG00000011138	PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit [Source:Jamboree;Acc:XB-GENE-5994580]	1.2407	0.0424
ENSXETG00000010190	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit [Source:Jamboree;Acc:XB-GENE-976418]	1.3481	0.0013
ENSXETG00000009727	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit [Source:Jamboree;Acc:XB-GENE-1010726]	1.4205	0.0000
ENSXETG00000001377	PRKAR1A	ein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) [Source:Jamboree;Acc:XB-GENE-856	1.3861	0.0000
ENSXETG00000017294	PRKCB	protein kinase C, beta [Source:Jamboree;Acc:XB-GENE-486491]	1.2497	0.0107
ENSXETG00000022951	PRKCE	protein kinase C, epsilon [Source:Jamboree;Acc:XB-GENE-981655]	1.3740	0.0015
ENSXETG00000010034	PRKCG	protein kinase C, gamma [Source:Jamboree;Acc:XB-GENE-876551]	1.5662	0.0000
ENSXETG00000015999	PRKCZ	protein kinase C, zeta [Source:Jamboree;Acc:XB-GENE-494709]	1.3401	0.0002
ENSXETG00000008162	PRRG4	proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane) [Source:HGNC Symbol;Acc:HGNC:30799]	1.6202	0.0140
ENSXETG00000004035	PRSS12	protease, serine, 12 (neurotrypsin, motopsin) [Source:Jamboree;Acc:XB-GENE-984837]	2.0364	0.0000
ENSXETG00000004466	PSD3	pleckstrin and Sec7 domain containing 3 [Source:Jamboree;Acc:XB-GENE-6467528]	1.3965	0.0179
ENSXETG00000007448	PTER	phosphotriesterase related [Source:Jamboree;Acc:XB-GENE-1007035]	1.3467	0.0333
ENSXETG00000007030	PTGER4	prostaglandin E receptor 4 (subtype EP4) [Source:Jamboree;Acc:XB-GENE-992300]	1.6953	0.0036
ENSXETG00000001307	PTHLH	parathyroid hormone-like hormone [Source:Jamboree;Acc:XB-GENE-959054]	5.7388	0.0131
ENSXETG00000017538	PTK2B	PTK2B protein tyrosine kinase 2 beta [Source:Jamboree;Acc:XB-GENE-489525]	5.3718	0.0000
ENSXETG00000003648	PTPN3	protein tyrosine phosphatase, non-receptor type 3 [Source:Jamboree;Acc:XB-GENE-5758498]	1.2414	0.0154
ENSXETG00000005190	PTPRE	protein tyrosine phosphatase, receptor type, E [Source:Jamboree;Acc:XB-GENE-982136]	1.6699	0.0000
ENSXETG00000010633	PTPRK	protein tyrosine phosphatase, receptor type, K [Source:Jamboree;Acc:XB-GENE-1008531]	1.2819	0.0034
ENSXETG00000004287	PTPRM	protein tyrosine phosphatase, receptor type, M [Source:Jamboree;Acc:XB-GENE-5958903]	1.2951	0.0015
ENSXETG00000019283	PTPRN	protein tyrosine phosphatase, receptor type, N [Source:Jamboree;Acc:XB-GENE-5871635]	1.2727	0.0019
ENSXETG00000022523	PTPRO	protein tyrosine phosphatase, receptor type, O [Source:Jamboree;Acc:XB-GENE-996931]	1.1953	0.0430
ENSXETG00000026804	PTPRR	protein tyrosine phosphatase, receptor type, R [Source:Jamboree;Acc:XB-GENE-961693]	1.4051	0.0000
ENSXETG00000012126	PTPRT	protein tyrosine phosphatase, receptor type, T [Source:Jamboree;Acc:XB-GENE-5717729]	1.2310	0.0171
ENSXETG00000005931	PTPRU	protein tyrosine phosphatase, receptor type, U [Source:Jamboree;Acc:XB-GENE-922688]	1.2849	0.0034
ENSXETG00000003470	PTTG1IP.2	pituitary tumor-transforming 1 interacting protein, gene 2 [Source:Jamboree;Acc:XB-GENE-5751721]	1.2401	0.0256
ENSXETG00000001257	PURB	purine-rich element binding protein B [Source:Jamboree;Acc:XB-GENE-949705]	1.2341	0.0137
ENSXETG00000009243	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C) [Source:Jamboree;Acc:XB-GENE-986141]	1.2902	0.0241
ENSXETG00000009202	PVRL3	poliovirus receptor-related 3 [Source:Jamboree;Acc:XB-GENE-963226]	1.3930	0.0441
ENSXETG00000012788	PYGM	phosphorylase, glycogen, muscle [Source:Jamboree;Acc:XB-GENE-955302]	1.2573	0.0037
ENSXETG00000023156	QSOX1	quiescin Q6 sulfhydryl oxidase 1 [Source:Jamboree;Acc:XB-GENE-944881]	1.9539	0.0084
ENSXETG00000019330	R3HDM1	R3H domain containing 1 [Source:Jamboree;Acc:XB-GENE-984253]	1.3558	0.0001
ENSXETG00000002201	RAB15	RAB15, member RAS onocogene family [Source:Jamboree;Acc:XB-GENE-495026]	1.7753	0.0477
ENSXETG00000003366	RAB27B	RAB27B, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-491764]	1.4147	0.0001
ENSXETG00000012930	RAB3A	RAB3A, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-489999]	1.2094	0.0304
ENSXETG00000018853	RAB3C	RAB3C, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-494770]	1.4571	0.0153
ENSXETG00000027219	RAB3D	RAB3D, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-490391]	1.3166	0.0209
ENSXETG00000022807	RAB40B	RAB40B, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-490554]	1.5369	0.0000
ENSXETG00000014935	RALB	-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein) [Source:Jamboree;Acc:XB-GENE-49454	1.2301	0.0320
ENSXETG00000017729	RALYL	RALY RNA binding protein-like [Source:Jamboree;Acc:XB-GENE-5767075]	1.3565	0.0001
ENSXETG00000012970	RAP1GAP2	RAP1 GTPase activating protein 2 [Source:Jamboree;Acc:XB-GENE-6050621]	1.5826	0.0000
ENSXETG00000007529	RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1 [Source:Jamboree;Acc:XB-GENE-1004455]	1.2216	0.0304
ENSXETG00000007521	RAPGEF4	Rap guanine nucleotide exchange factor (GEF) 4 [Source:Jamboree;Acc:XB-GENE-6048644]	1.3718	0.0001
ENSXETG00000024396	RAPGEFL1	Rap guanine nucleotide exchange factor (GEF)-like 1 [Source:Jamboree;Acc:XB-GENE-994178]	1.6422	0.0004
ENSXETG00000013833	RASA3	RAS p21 protein activator 3 [Source:Jamboree;Acc:XB-GENE-920756]	1.2721	0.0212

ENSXETG00000013420	RASD2	RASD family, member 2 [Source:Jamboree;Acc:XB-GENE-494969]	1.3705	0.0002
ENSXETG00000000607	RASGEF1A	RasGEF domain family, member 1A [Source:Jamboree;Acc:XB-GENE-5739365]	2.1238	0.0029
ENSXETG00000012564	RASGEF1B	RasGEF domain family, member 1B [Source:Jamboree;Acc:XB-GENE-1015760]	1.4842	0.0000
ENSXETG00000022942	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2 [Source:Jamboree;Acc:XB-GENE-483993]	1.3841	0.0017
ENSXETG00000018074	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG-regulated) [Source:Jamboree;Acc:XB-GENE-489811]	2.1183	0.0003
ENSXETG00000023679	RASSF5	Ras association (RalGDS/AF-6) domain family member 5 [Source:Jamboree;Acc:XB-GENE-6468139]	2.7398	0.0000
ENSXETG00000020236	RBFOX3	RNA binding protein, fox-1 homolog (C. elegans) 3 [Source:Jamboree;Acc:XB-GENE-976381]	1.2137	0.0242
ENSXETG00000000346	RBL2	retinoblastoma-like 2 (p130) [Source:Jamboree;Acc:XB-GENE-1012835]	1.2340	0.0149
ENSXETG00000022412	RBM46	probable RNA-binding protein 46 [Source:RefSeq peptide;Acc:NP_001072501]	1.5028	0.0000
ENSXETG00000003636	RCAN1	regulator of calcineurin 1 [Source:Jamboree;Acc:XB-GENE-489568]	1.3513	0.0011
ENSXETG00000014442	RD3	retinal degeneration 3 [Source:Jamboree;Acc:XB-GENE-1002200]	1.3770	0.0018
ENSXETG00000025416	RDH16	retinol dehydrogenase 16 (all-trans) [Source:Jamboree;Acc:XB-GENE-1007896]	3.0551	0.0000
ENSXETG00000024013	REM1	RAS (RAD and GEM)-like GTP-binding 1 [Source:Jamboree;Acc:XB-GENE-493530]	1.9974	0.0004
ENSXETG00000013757	REM2	RAS (RAD and GEM)-like GTP binding 2 [Source:Jamboree;Acc:XB-GENE-491229]	1.4418	0.0010
ENSXETG00000021721	RENBP	renin binding protein [Source:Jamboree;Acc:XB-GENE-977425]	1.6350	0.0000
ENSXETG00000001110	REPS2	RALBP1 associated Eps domain containing 2 [Source:Jamboree;Acc:XB-GENE-985000]	1.4707	0.0000
ENSXETG00000022517	RERG	RAS-like, estrogen-regulated, growth inhibitor [Source:Jamboree;Acc:XB-GENE-489597]	1.3396	0.0027
ENSXETG00000017736	RERGL	RERG/RAS-like [Source:Jamboree;Acc:XB-GENE-6037390]	3.5637	0.0000
ENSXETG00000019375	REV1	REV1 homolog [Source:Jamboree;Acc:XB-GENE-968197]	1.6281	0.0000
ENSXETG00000000759	RFK	riboflavin kinase [Source:Jamboree;Acc:XB-GENE-1010122]	1.5008	0.0073
ENSXETG00000005675	RGS2	regulator of G-protein signaling 2, 24kDa [Source:Jamboree;Acc:XB-GENE-968776]	2.1861	0.0000
ENSXETG00000002503	RGS3	regulator of G-protein signaling 3 [Source:Jamboree;Acc:XB-GENE-5900212]	1.2510	0.0140
ENSXETG00000010462	RGS5	regulator of G-protein signaling 5 [Source:Jamboree;Acc:XB-GENE-971917]	1.4959	0.0000
ENSXETG00000012110	RHBDL1	rhomboid, veinlet-like 1 [Source:Jamboree;Acc:XB-GENE-953355]	1.3351	0.0008
ENSXETG00000010513	RHOBTB2	Rho-related BTB domain containing 2 [Source:Jamboree;Acc:XB-GENE-964295]	1.3069	0.0009
ENSXETG00000006898	RHOC	ras homolog gene family, member C [Source:Jamboree;Acc:XB-GENE-941426]	1.3777	0.0001
ENSXETG00000003068	RIBC2	RIB43A domain with coiled-coils 2 [Source:Jamboree;Acc:XB-GENE-1014141]	1.4174	0.0369
ENSXETG00000002308	RIMS1	regulating synaptic membrane exocytosis 1 [Source:Jamboree;Acc:XB-GENE-1012759]	1.3061	0.0005
ENSXETG00000004762	RNASEH2A	ribonuclease H2, subunit A [Source:Jamboree;Acc:XB-GENE-945840]	1.1775	0.0495
ENSXETG00000015941	RNF130	ring finger protein 130 precursor [Source:RefSeq peptide;Acc:NP_001107712]	1.2511	0.0104
ENSXETG00000008400	RNF141	ring finger protein 141 [Source:Jamboree;Acc:XB-GENE-5929937]	1.2091	0.0385
ENSXETG00000014170	RNF144B	ring finger 144B [Source:Jamboree;Acc:XB-GENE-1010811]	1.2975	0.0129
ENSXETG00000015314	RNF167	ring finger protein 167 [Source:Jamboree;Acc:XB-GENE-5944055]	1.2956	0.0212
ENSXETG00000017322	RPRD1A	regulation of nuclear pre-mRNA domain containing 1A [Source:Jamboree;Acc:XB-GENE-949983]	1.1948	0.0440
ENSXETG00000021931	RPRD1B	regulation of nuclear pre-mRNA domain containing 1B [Source:Jamboree;Acc:XB-GENE-5808367]	1.2138	0.0347
ENSXETG00000019162	RPRML	reprimo-like [Source:Jamboree;Acc:XB-GENE-996624]	1.6211	0.0000
ENSXETG00000025994	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2 [Source:Jamboree;Acc:XB-GENE-487242]	2.6449	0.0062
ENSXETG00000019458	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptide 4 [Source:Jamboree;Acc:XB-GENE-5759516]	2.0953	0.0428
ENSXETG00000019115	RRAGD	Ras-related GTP binding D [Source:Jamboree;Acc:XB-GENE-490463]	2.2211	0.0000
ENSXETG00000004121	RRM2B	ribonucleotide reductase M2 B (TP53 inducible) [Source:Jamboree;Acc:XB-GENE-970633]	1.4807	0.0000
ENSXETG00000019096	RSPH6A	radial spoke head 6 homolog A [Source:Jamboree;Acc:XB-GENE-1014690]	1.3621	0.0064
ENSXETG00000021714	RTKN	rhotekin [Source:Jamboree;Acc:XB-GENE-5943262]	1.6356	0.0000
ENSXETG00000012179	RTN4R	reticulon 4 receptor [Source:Jamboree;Acc:XB-GENE-6065292]	1.5900	0.0000
ENSXETG00000013534	RTN4RL1	reticulon 4 receptor-like 1 [Source:Jamboree;Acc:XB-GENE-961465]	1.2599	0.0088
ENSXETG00000019493	RXFP1	relaxin/insulin-like family peptide receptor 1 [Source:Jamboree;Acc:XB-GENE-985695]	1.7494	0.0000
ENSXETG00000019186	RXFP2	relaxin/insulin-like family peptide receptor 2 [Source:Jamboree;Acc:XB-GENE-1011464]	1.4400	0.0002
ENSXETG00000015914	RYBP	RING1 and YY1 binding protein [Source:Jamboree;Acc:XB-GENE-992066]	1.2649	0.0071
ENSXETG00000002823	RYR1	ryanodine receptor 1 (skeletal) [Source:Jamboree;Acc:XB-GENE-1013509]	3.0432	0.0000
ENSXETG00000025078	SAMD13	sterile alpha motif domain containing 13 [Source:Jamboree;Acc:XB-GENE-5864959]	1.3653	0.0006
ENSXETG00000026439	SAMD7	sterile alpha motif domain containing 7 [Source:Jamboree;Acc:XB-GENE-948462]	2.9696	0.0000
ENSXETG00000009864	SAMD8	sterile alpha motif domain containing 8 [Source:Jamboree;Acc:XB-GENE-1012742]	1.2345	0.0446
ENSXETG00000000547	SCAMP1	secretory carrier membrane protein 1 [Source:Jamboree;Acc:XB-GENE-974711]	1.2196	0.0188
ENSXETG00000010669	SCAMP5	secretory carrier membrane protein 5 [Source:Jamboree;Acc:XB-GENE-1006975]	1.2518	0.0055
ENSXETG00000024116	SCARB2	scavenger receptor class B, member 2 [Source:Jamboree;Acc:XB-GENE-948022]	1.2773	0.0213
ENSXETG00000007895	SCCPDH.2	saccharopine dehydrogenase (putative) [Source:Jamboree;Acc:XB-GENE-5761597]	2.7171	0.0000
ENSXETG00000024551	SCEL	sciellin [Source:Jamboree;Acc:XB-GENE-998743]	1.6459	0.0000
ENSXETG00000002939	SCG2	secretogranin II [Source:Jamboree;Acc:XB-GENE-954296]	1.2738	0.0053
ENSXETG00000014824	SCGN	secretagogin, EF-hand calcium binding protein [Source:Jamboree;Acc:XB-GENE-988344]	1.6893	0.0021
ENSXETG00000010122	SCN2B	sodium channel, voltage-gated, type II, beta [Source:Jamboree;Acc:XB-GENE-921739]	1.3503	0.0001
ENSXETG00000010123	SCN4B	sodium channel, voltage-gated, type IV, beta [Source:Jamboree;Acc:XB-GENE-921510]	1.4537	0.0001
ENSXETG00000012423	SCNN1G	sodium channel, nonvoltage-gated 1, gamma [Source:Jamboree;Acc:XB-GENE-980897]	3.3885	0.0098
ENSXETG00000008487	SCRN3	secernin 3 [Source:Jamboree;Acc:XB-GENE-977151]	1.3244	0.0064
ENSXETG00000001037	SDF4	stromal cell derived factor 4 [Source:Jamboree;Acc:XB-GENE-956501]	1.2255	0.0352
ENSXETG00000009213	SEC62	SEC62 homolog [Source:Jamboree;Acc:XB-GENE-941020]	1.2072	0.0470
ENSXETG00000007874	SEMA3C	domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C [Source:Jamboree;Acc:XB-GENE-101	1.2889	0.0102
ENSXETG00000023344	SERAC1	serine active site containing 1 [Source:Jamboree;Acc:XB-GENE-6041738]	1.3891	0.0274
ENSXETG00000023292	SERINC1	serine incorporator 1 [Source:Jamboree;Acc:XB-GENE-954990]	1.3038	0.0080
ENSXETG00000001778	SERINC3	serine incorporator 3 [Source:Jamboree;Acc:XB-GENE-950521]	1.2880	0.0059
ENSXETG00000026808	SERP2	stress-associated endoplasmic reticulum protein family member 2 [Source:Jamboree;Acc:XB-GENE-954859]	1.3837	0.0016
ENSXETG00000000624	SERPINB1	serpin peptidase inhibitor, clade B (ovalbumin), member 1 [Source:Jamboree;Acc:XB-GENE-1217264]	1.9432	0.0001
ENSXETG00000027588	SERPINB6	serpin peptidase inhibitor, clade B (ovalbumin), member 6 [Source:Jamboree;Acc:XB-GENE-1001870]	1.3745	0.0027
ENSXETG00000028081	SERPINE2	peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2 [Source:Jamboree;Acc:XB-GENE-94	1.3420	0.0005
ENSXETG00000013544	SERPINF2	idase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2 [Source:Jamboree;Acc:XB-GEN	3.6033	0.0000
ENSXETG00000022866	SERPINI1	serpin peptidase inhibitor, clade I (neuroserpin), member 1 [Source:Jamboree;Acc:XB-GENE-948443]	1.3481	0.0004
ENSXETG00000000221	SERTAD4	SERTA domain containing 4 [Source:Jamboree;Acc:XB-GENE-943347]	1.3014	0.0016
ENSXETG00000016939	SETD7	SET domain containing (lysine methyltransferase) 7 [Source:Jamboree;Acc:XB-GENE-949196]	1.3135	0.0311
ENSXETG00000014343	SEZ6	seizure related 6 homolog [Source:Jamboree;Acc:XB-GENE-1013132]	1.3132	0.0004
ENSXETG00000004211	SEZ6L	seizure related 6 homolog-like [Source:Jamboree;Acc:XB-GENE-6258883]	1.2987	0.0106
ENSXETG00000001863	SFMBT2	Scm-like with four mbt domains 2 [Source:Jamboree;Acc:XB-GENE-1217645]	1.5702	0.0001
ENSXETG00000025905	SFT2D2	SFT2 domain containing 2 [Source:Jamboree;Acc:XB-GENE-5821052]	1.4495	0.0093
ENSXETG00000011676	SGCB	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein) [Source:Jamboree;Acc:XB-GENE-943307]	1.4435	0.0000
ENSXETG00000005641	SGCZ	sarcoglycan, zeta [Source:Jamboree;Acc:XB-GENE-985523]	1.3962	0.0062
ENSXETG00000018672	SGSM1	small G protein signaling modulator 1 [Source:Jamboree;Acc:XB-GENE-6043600]	1.4749	0.0001
ENSXETG00000025095	SH3BGR	SH3 domain binding glutamic acid-rich protein [Source:Jamboree;Acc:XB-GENE-946020]	1.9023	0.0000
ENSXETG00000011399	SH3PXD2A	SH3 and PX domains 2A [Source:Jamboree;Acc:XB-GENE-494722]	1.2834	0.0135
ENSXETG00000018646	SH3RF3	SH3 domain containing ring finger 3 [Source:HGNC Symbol;Acc:HGNC:24699]	1.4330	0.0014
ENSXETG00000003796	SHANK2	SH3 and multiple ankyrin repeat domains 2 [Source:Jamboree;Acc:XB-GENE-984534]	1.2600	0.0043
ENSXETG00000010680	SHISA2	shisa 2 [Source:Jamboree;Acc:XB-GENE-939915]	1.8711	0.0000
ENSXETG00000023718	SHOC2	soc-2 suppressor of clear homolog [Source:Jamboree;Acc:XB-GENE-493502]	1.2146	0.0304
ENSXETG00000005794	SHPK	sedoheptulokinase [Source:Jamboree;Acc:XB-GENE-991309]	1.3019	0.0489
ENSXETG00000004167	SHROOM1	shroom family member 1 [Source:Jamboree;Acc:XB-GENE-6492080]	1.7419	0.0000
ENSXETG00000020096	SIAH2	seven in absentia homolog 2 [Source:Jamboree;Acc:XB-GENE-1004950]	1.2977	0.0201
ENSXETG00000003759	SIDT2	SID1 transmembrane family, member 2 [Source:Jamboree;Acc:XB-GENE-982521]	1.2355	0.0269
ENSXETG00000010165	SIK2	salt-inducible kinase 2 [Source:Jamboree;Acc:XB-GENE-950070]	1.2506	0.0107
ENSXETG00000003762	SIK3	SIK family kinase 3 [Source:Jamboree;Acc:XB-GENE-6042192]	1.3853	0.0001
ENSXETG00000021825	SIPA1L1	signal-induced proliferation-associated 1 like 1 [Source:Jamboree;Acc:XB-GENE-866790]	1.4011	0.0010
ENSXETG00000009636	SLC11A2	olute carrier family 11 (proton-coupled divalent metal ion transporters), member 2 [Source:Jamboree;Acc:XB-GENE-48756	1.2961	0.0068
ENSXETG00000019731	SLC13A5	solute carrier family 13 (sodium-dependent citrate transporter), member 5 [Source:Jamboree;Acc:XB-GENE-983513]	3.1917	0.0000
ENSXETG00000004581	SLC16A2	solute carrier family 16, member 2 (monocarboxylic acid transporter 8) [Source:Jamboree;Acc:XB-GENE-980579]	2.8032	0.0390
ENSXETG00000019700	SLC16A3	solute carrier family 16, member 3 (monocarboxylic acid transporter 4) [Source:Jamboree;Acc:XB-GENE-483002]	1.4292	0.0010
ENSXETG00000021479	SLC16A7	solute carrier family 16, member 7 (monocarboxylic acid transporter 2) [Source:Jamboree;Acc:XB-GENE-1008526]	1.6685	0.0000
ENSXETG00000005121	SLC16A9	solute carrier family 16, member 9 (monocarboxylic acid transporter 9) [Source:Jamboree;Acc:XB-GENE-961458]	1.5916	0.0053
ENSXETG00000008393	SLC17A6	r carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6 [Source:Jamboree;Acc:XB-GENE-101	1.4486	0.0010
ENSXETG00000011685	SLC1A1	er family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 [Source:Jamboree;Acc:XB-GEN	1.6048	0.0000
ENSXETG00000021879	SLC1A6	solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6 [Source:Jamboree;Acc:XB-GENE-6033965]	1.6577	0.0386
ENSXETG00000018025	SLC22A23	solute carrier family 22, member 23 [Source:Jamboree;Acc:XB-GENE-966989]	1.3786	0.0004

ENSXETG00000016853	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2 [Source:Jamboree;Acc:XB-GENE-966414]	1.4193	0.0003
ENSXETG00000000793	SLC24A3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 [Source:Jamboree;Acc:XB-GENE-958238]	1.3049	0.0429
ENSXETG00000018810	SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12 [Source:Jamboree;Acc:XB-GENE-1002100]	1.9967	0.0000
ENSXETG00000017639	SLC2A1	solute carrier family 2 (facilitated glucose transporter), member 1 [Source:Jamboree;Acc:XB-GENE-5755357]	1.3243	0.0007
ENSXETG00000000118	SLC2A12	solute carrier family 2 (facilitated glucose transporter), member 12 [Source:Jamboree;Acc:XB-GENE-1012136]	1.7418	0.0000
ENSXETG00000015550	SLC2A13	solute carrier family 2 (facilitated glucose transporter), member 13 [Source:Jamboree;Acc:XB-GENE-492054]	1.4367	0.0000
ENSXETG00000019602	SLC2A8	solute carrier family 2 (facilitated glucose transporter), member 8 [Source:Jamboree;Acc:XB-GENE-492572]	1.5630	0.0240
ENSXETG00000002721	SLC30A10	solute carrier family 30, member 10 [Source:Jamboree;Acc:XB-GENE-1003783]	1.7888	0.0001
ENSXETG00000002489	SLC35D3	solute carrier family 35, member D3 [Source:Jamboree;Acc:XB-GENE-6067133]	2.7007	0.0196
ENSXETG00000011984	SLC35F4	solute carrier family 35, member F4 [Source:Jamboree;Acc:XB-GENE-983757]	1.4048	0.0047
ENSXETG00000010015	SLC37A1	solute carrier family 37 (glycerol-3-phosphate transporter), member 1 [Source:Jamboree;Acc:XB-GENE-5761876]	2.0168	0.0463
ENSXETG00000014976	SLC39A6	solute carrier family 39 (zinc transporter), member 6 [Source:Jamboree;Acc:XB-GENE-986480]	1.2741	0.0087
ENSXETG00000002987	SLC44A5	solute carrier family 44, member 5 [Source:Jamboree;Acc:XB-GENE-987953]	1.5177	0.0000
ENSXETG00000000993	SLC45A3	solute carrier family 45, member 3 [Source:Jamboree;Acc:XB-GENE-492251]	1.6683	0.0000
ENSXETG00000027418	SLC48A1	solute carrier family 48 (heme transporter), member 1 [Source:Jamboree;Acc:XB-GENE-5804075]	1.2617	0.0489
ENSXETG00000016198	SLC4A10	solute carrier family 4, sodium bicarbonate transporter, member 10 [Source:Jamboree;Acc:XB-GENE-1011116]	1.4492	0.0003
ENSXETG00000014645	SLC4A11	solute carrier family 4, sodium borate transporter, member 11 [Source:Jamboree;Acc:XB-GENE-482085]	1.3735	0.0057
ENSXETG00000007160	SLC4A3	solute carrier family 4, anion exchanger, member 3 [Source:Jamboree;Acc:XB-GENE-996901]	1.9162	0.0456
ENSXETG00000022665	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10 [Source:Jamboree;Acc:XB-GENE-6035396]	1.8856	0.0000
ENSXETG00000011885	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 [Source:Jamboree;Acc:XB-GENE-479449]	1.7663	0.0000
ENSXETG00000009157	SLC7A14	solute carrier family 7 (orphan transporter), member 14 [Source:Jamboree;Acc:XB-GENE-1010371]	1.4401	0.0000
ENSXETG00000021616	SLC7A4	solute carrier family 7 (orphan transporter), member 4 [Source:Jamboree;Acc:XB-GENE-960138]	1.2887	0.0107
ENSXETG00000018268	SLC7A9	family 7 (glycoprotein-associated amino acid transporter light chain, bo,+ system), member 9 [Source:Jamboree;Acc:XB-GE	1.2676	0.0304
ENSXETG00000002790	SLC8A2	solute carrier family 8 (sodium/calcium exchanger), member 2 [Source:Jamboree;Acc:XB-GENE-992835]	1.4038	0.0004
ENSXETG00000002216	SLC8A3	solute carrier family 8 (sodium/calcium exchanger), member 3 [Source:Jamboree;Acc:XB-GENE-954537]	1.4904	0.0006
ENSXETG00000019761	SLC9A6	solute carrier family 9 (sodium/hydrogen exchanger), member 6 [Source:Jamboree;Acc:XB-GENE-6048314]	1.2410	0.0178
ENSXETG00000001625	SLC9A9	solute carrier family 9 (sodium/hydrogen exchanger), member 9 [Source:Jamboree;Acc:XB-GENE-6045417]	1.6950	0.0000
ENSXETG00000007633	SLCO3A1	solute carrier organic anion transporter family, member 3A1 [Source:Jamboree;Acc:XB-GENE-6035424]	1.3823	0.0002
ENSXETG00000011257	SLCO4A1	solute carrier organic anion transporter family, member 4A1 [Source:Jamboree;Acc:XB-GENE-5905026]	1.8842	0.0000
ENSXETG00000013354	SLITRK1	SLIT and NTRK-like family, member 1 [Source:Jamboree;Acc:XB-GENE-998737]	1.3466	0.0004
ENSXETG00000004288	SLITRK2	SLIT and NTRK-like family, member 2 [Source:Jamboree;Acc:XB-GENE-964776]	1.3702	0.0005
ENSXETG00000001152	SLITRK3	SLIT and NTRK-like family, member 3 [Source:Jamboree;Acc:XB-GENE-964617]	1.5739	0.0399
ENSXETG00000012352	SLITRK4	SLIT and NTRK-like family, member 4 [Source:Jamboree;Acc:XB-GENE-983538]	1.3210	0.0076
ENSXETG00000023987	SLITRK5	SLIT and NTRK-like family, member 5 [Source:Jamboree;Acc:XB-GENE-6034846]	1.4850	0.0000
ENSXETG00000013348	SLITRK6	SLIT and NTRK-like family, member 6 [Source:Jamboree;Acc:XB-GENE-980871]	3.2396	0.0000
ENSXETG00000015939	SMAD6	SMAD family member 6 [Source:Jamboree;Acc:XB-GENE-481307]	1.3884	0.0032
ENSXETG00000020317	SMAD7	SMAD family member 7 [Source:Jamboree;Acc:XB-GENE-486004]	1.2576	0.0325
ENSXETG00000015299	SMARCA2	related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 [Source:Jamboree;Acc:XB-GENE	1.2721	0.0035
ENSXETG00000004098	SMG9	smg-9 homolog, nonsense mediated mRNA decay factor (C. elegans) [Source:Jamboree;Acc:XB-GENE-990837]	1.5238	0.0000
ENSXETG00000015096	SNAP25	synaptosomal-associated protein, 25kDa [Source:Jamboree;Acc:XB-GENE-948769]	1.2618	0.0033
ENSXETG00000022783	SNX13	sorting nexin 13 [Source:Jamboree;Acc:XB-GENE-6037458]	1.2549	0.0113
ENSXETG00000016406	SNX17	sorting nexin 17 [Source:Jamboree;Acc:XB-GENE-997760]	1.3169	0.0052
ENSXETG00000017864	SNX31	sorting nexin 31 [Source:Jamboree;Acc:XB-GENE-5933724]	3.2243	0.0001
ENSXETG00000024895	SOCS1	suppressor of cytokine signaling 1 [Source:Jamboree;Acc:XB-GENE-491220]	1.4746	0.0188
ENSXETG00000008821	SORBS1	sorbin and SH3 domain containing 1 [Source:Jamboree;Acc:XB-GENE-6051038]	1.2044	0.0286
ENSXETG00000001564	SORBS2	sorbin and SH3 domain containing 2 [Source:Jamboree;Acc:XB-GENE-478190]	1.2361	0.0319
ENSXETG00000003625	SORCS3	sortilin-related VPS10 domain containing receptor 3 [Source:Jamboree;Acc:XB-GENE-996343]	1.3092	0.0020
ENSXETG00000023897	SORD	sorbitol dehydrogenase [Source:Jamboree;Acc:XB-GENE-1005865]	1.4836	0.0412
ENSXETG00000022798	SOSTDC1	sclerostin domain containing 1 [Source:Jamboree;Acc:XB-GENE-478256]	1.4901	0.0180
ENSXETG00000006348	SOX10	SRY (sex determining region Y)-box 10 [Source:Jamboree;Acc:XB-GENE-480304]	1.6306	0.0004
ENSXETG00000024011	SOX12	SRY (sex determining region Y)-box 12 [Source:Jamboree;Acc:XB-GENE-483252]	1.9667	0.0000
ENSXETG00000028009	SPA17	sperm autoantigenic protein 17 [Source:Jamboree;Acc:XB-GENE-958602]	1.3647	0.0063
ENSXETG00000020893	SPAG17	sperm associated antigen 17 [Source:Jamboree;Acc:XB-GENE-6257510]	1.8139	0.0000
ENSXETG00000011059	SPAG9	sperm associated antigen 9 [Source:Jamboree;Acc:XB-GENE-484511]	1.3043	0.0017
ENSXETG00000009707	SPATA13	spermatogenesis associated 13 [Source:Jamboree;Acc:XB-GENE-991808]	1.6354	0.0352
ENSXETG00000006748	SPECC1	sperm antigen with calponin homology and coiled-coil domains 1 [Source:Jamboree;Acc:XB-GENE-956924]	1.3318	0.0014
ENSXETG00000026715	SPEF1	sperm flagellar 1 [Source:Jamboree;Acc:XB-GENE-1003954]	1.7200	0.0000
ENSXETG00000000155	SPINT2	serine peptidase inhibitor, Kunitz type, 2 [Source:Jamboree;Acc:XB-GENE-947329]	3.1987	0.0000
ENSXETG00000006147	SPOCK2	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 2 [Source:Jamboree;Acc:XB-GENE-1003767]	1.3195	0.0397
ENSXETG00000018057	SPRED1	sprouty-related, EVH1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-482851]	1.2291	0.0254
ENSXETG00000014000	SPRED2	sprouty-related, EVH1 domain containing 2 [Source:Jamboree;Acc:XB-GENE-485591]	1.3275	0.0005
ENSXETG00000001822	SPRYD3	SPRY domain containing 3 [Source:Jamboree;Acc:XB-GENE-5957038]	1.3068	0.0008
ENSXETG00000014743	SRCIN1	SRC kinase signaling inhibitor 1 [Source:Jamboree;Acc:XB-GENE-994086]	1.2305	0.0096
ENSXETG00000022310	SSH1	slingshot homolog 1 [Source:Jamboree;Acc:XB-GENE-6041963]	1.3357	0.0083
ENSXETG00000009978	SSTR2	somatostatin receptor 2 [Source:Jamboree;Acc:XB-GENE-953419]	2.0734	0.0001
ENSXETG00000016039	SSTR3	somatostatin receptor 3 [Source:Jamboree;Acc:XB-GENE-984793]	1.2978	0.0473
ENSXETG00000010989	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1 [Source:Jamboree;Acc:XB-GENE-961931]	1.6688	0.0062
ENSXETG00000002971	ST6GALNAC5	cetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5 [Source:Jamboree;Acc:XB-	1.4627	0.0001
ENSXETG00000007458	ST8SIA6	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 6 [Source:Jamboree;Acc:XB-GENE-992405]	1.5100	0.0010
ENSXETG00000009006	STAR	steroidogenic acute regulatory protein [Source:Jamboree;Acc:XB-GENE-999724]	3.8021	0.0481
ENSXETG00000006201	STARD10	StAR-related lipid transfer (START) domain containing 10 [Source:Jamboree;Acc:XB-GENE-5824671]	1.4125	0.0000
ENSXETG00000000988	STARD9	StAR-related lipid transfer (START) domain containing 9 [Source:Jamboree;Acc:XB-GENE-995220]	1.5270	0.0027
ENSXETG00000000903	STIM2	stromal interaction molecule 2 [Source:Jamboree;Acc:XB-GENE-992607]	1.3591	0.0473
ENSXETG00000012715	STK32A	serine/threonine kinase 32A [Source:Jamboree;Acc:XB-GENE-490728]	1.4318	0.0042
ENSXETG00000003358	STMN3	stathmin-like 3 [Source:Jamboree;Acc:XB-GENE-5918431]	1.2616	0.0430
ENSXETG00000017530	STMN4	stathmin-like 4 [Source:Jamboree;Acc:XB-GENE-1009072]	1.2987	0.0027
ENSXETG00000008165	STS	steroid sulfatase (microsomal), isozyme S [Source:Jamboree;Acc:XB-GENE-1013410]	1.4501	0.0226
ENSXETG00000010345	STX1A	syntaxin 1A (brain) [Source:Jamboree;Acc:XB-GENE-976753]	1.2423	0.0115
ENSXETG00000010068	SUMF2	sulfatase modifying factor 2 [Source:Jamboree;Acc:XB-GENE-5815462]	1.3712	0.0375
ENSXETG00000005583	SURF4.1	surfeit 4, gene 1 [Source:Jamboree;Acc:XB-GENE-5807555]	1.2920	0.0225
ENSXETG00000002609	SVEP1	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1 [Source:Jamboree;Acc:XB-GENE-5996067]	1.2683	0.0405
ENSXETG00000022304	SVOP	SV2 related protein homolog [Source:Jamboree;Acc:XB-GENE-939906]	1.3070	0.0007
ENSXETG00000024196	SWAP70	SWAP switching B-cell complex 70kDa subunit [Source:Jamboree;Acc:XB-GENE-988796]	1.3303	0.0063
ENSXETG00000018016	SYBU	syntabulin (syntaxin-interacting) [Source:Jamboree;Acc:XB-GENE-979776]	1.2860	0.0025
ENSXETG00000000807	SYK	spleen tyrosine kinase [Source:Jamboree;Acc:XB-GENE-978184]	3.9002	0.0016
ENSXETG00000015622	SYN2	synapsin II [Source:Jamboree;Acc:XB-GENE-959237]	1.4192	0.0000
ENSXETG00000011517	SYN3	synapsin III [Source:HGNC Symbol;Acc:HGNC:11496]	1.5441	0.0000
ENSXETG00000012367	SYNE1	spectrin repeat containing, nuclear envelope 1 [Source:Jamboree;Acc:XB-GENE-5956642]	1.4372	0.0000
ENSXETG00000020358	SYNGAP1	synaptic Ras GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-487270]	1.2346	0.0092
ENSXETG00000006915	SYNGR1	synaptogyrin 1 [Source:Jamboree;Acc:XB-GENE-494921]	1.3467	0.0001
ENSXETG00000022670	SYNGR3	synaptogyrin 3 [Source:Jamboree;Acc:XB-GENE-949635]	1.2174	0.0366
ENSXETG00000018811	SYNM	synemin, intermediate filament protein [Source:Jamboree;Acc:XB-GENE-992892]	2.4925	0.0009
ENSXETG00000004068	SYT1	synaptotagmin 1 [Source:Jamboree;Acc:XB-GENE-5752629]	1.2063	0.0278
ENSXETG00000008157	SYT15	synaptotagmin XV [Source:Jamboree;Acc:XB-GENE-6050096]	1.4399	0.0071
ENSXETG00000015442	SYT4	synaptotagmin 4 [Source:Jamboree;Acc:XB-GENE-5963049]	1.3359	0.0002
ENSXETG00000003212	SYT5	synaptotagmin V [Source:Jamboree;Acc:XB-GENE-991349]	1.5575	0.0000
ENSXETG00000009775	SYTL3	synaptotagmin-like 3 [Source:Jamboree;Acc:XB-GENE-5884483]	2.4734	0.0014
ENSXETG00000008597	SYTL5	synaptotagmin-like 5 [Source:Jamboree;Acc:XB-GENE-982310]	1.8707	0.0000
ENSXETG00000005370	T	T, brachyury homolog [Source:Jamboree;Acc:XB-GENE-478789]	3.6278	0.0000
ENSXETG00000020338	TAPT1	transmembrane anterior posterior transformation 1 [Source:Jamboree;Acc:XB-GENE-5742749]	1.2346	0.0190
ENSXETG00000008080	TASP1	taspase, threonine aspartase, 1 [Source:Jamboree;Acc:XB-GENE-5829718]	1.7202	0.0000
ENSXETG00000000752	TAX1BP1	Tax1 (human T-cell leukemia virus type I) binding protein 1 [Source:Jamboree;Acc:XB-GENE-492305]	1.3108	0.0278
ENSXETG00000000906	TBC1D19	TBC1 domain family, member 19 [Source:Jamboree;Acc:XB-GENE-5905231]	1.2874	0.0113
ENSXETG00000014933	TBC1D9	TBC1 domain family, member 9 (with GRAM domain) [Source:Jamboree;Acc:XB-GENE-5992769]	1.2341	0.0148
ENSXETG00000015920	TBC1D9B	TBC1 domain family, member 9B (with GRAM domain) [Source:Jamboree;Acc:XB-GENE-989754]	1.2152	0.0244
ENSXETG00000014433	TBXAS1	thromboxane A synthase 1 (platelet) [Source:Jamboree;Acc:XB-GENE-994325]	1.8797	0.0070

ENSXETG00000015766	TCIRG1	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit A3 [Source:Jamboree;Acc:XB-GENE-5721917]	1.7671	0.0000
ENSXETG00000006691	TCP11L2	t-complex 11-like 2 [Source:Jamboree;Acc:XB-GENE-988955]	1.3644	0.0015
ENSXETG00000005948	TCTA	T-cell leukemia translocation altered gene [Source:Jamboree;Acc:XB-GENE-954032]	1.2218	0.0490
ENSXETG00000006790	TCTEX1D1	Tctex1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-5960232]	1.7618	0.0003
ENSXETG00000024038	TECPR1	tectonin beta-propeller repeat containing 1 [Source:Jamboree;Acc:XB-GENE-5865975]	1.4141	0.0000
ENSXETG00000007222	TEX2.1	testis expressed 2, gene 1 [Source:Jamboree;Acc:XB-GENE-5879889]	2.0076	0.0000
ENSXETG00000019114	TFE3	transcription factor binding to IGHM enhancer 3 [Source:Jamboree;Acc:XB-GENE-5918222]	1.4855	0.0013
ENSXETG00000019180	TFF2	trefoil factor 2 [Source:Jamboree;Acc:XB-GENE-5824118]	1.7740	0.0000
ENSXETG00000015347	TGFB2	transforming growth factor, beta 2 [Source:Jamboree;Acc:XB-GENE-480560]	1.8297	0.0000
ENSXETG00000007922	THIBZ	thyroid hormone induced bZip protein [Source:Jamboree;Acc:XB-GENE-484679]	10.3611	0.0000
ENSXETG00000003871	THRB	hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2) [Source:Jamboree;Acc:XB-GENE-60	4.2287	0.0000
ENSXETG00000021603	THY1	Thy-1 cell surface antigen [Source:Jamboree;Acc:XB-GENE-493820]	1.3331	0.0005
ENSXETG00000007347	TIAM1	T-cell lymphoma invasion and metastasis [Source:Jamboree;Acc:XB-GENE-1006478]	1.7160	0.0004
ENSXETG00000001473	TMCC1	transmembrane and coiled-coil domain family 1 [Source:Jamboree;Acc:XB-GENE-5881367]	1.2945	0.0102
ENSXETG00000011330	TMEM106B	transmembrane protein 106B [Source:Jamboree;Acc:XB-GENE-5843726]	1.3847	0.0001
ENSXETG00000008980	TMEM120A	transmembrane protein 120A [Source:Jamboree;Acc:XB-GENE-5858565]	1.4286	0.0018
ENSXETG00000016992	TMEM121	transmembrane protein 121 [Source:Jamboree;Acc:XB-GENE-1012117]	1.3947	0.0033
ENSXETG00000020076	TMEM130	transmembrane protein 130 [Source:Jamboree;Acc:XB-GENE-6462848]	1.6560	0.0000
ENSXETG00000023736	TMEM132D	transmembrane protein 132D [Source:Jamboree;Acc:XB-GENE-5874430]	1.4282	0.0083
ENSXETG00000012053	TMEM145	transmembrane protein 145 [Source:Jamboree;Acc:XB-GENE-977882]	1.2401	0.0182
ENSXETG00000016712	TMEM159	transmembrane protein 159 [Source:Jamboree;Acc:XB-GENE-941359]	2.9483	0.0000
ENSXETG00000000509	TMEM163	transmembrane protein 163 [Source:Jamboree;Acc:XB-GENE-5808413]	1.4642	0.0000
ENSXETG00000012428	TMEM164	transmembrane protein 164 [Source:Jamboree;Acc:XB-GENE-961759]	1.2895	0.0039
ENSXETG00000016816	TMEM174	transmembrane protein 174 [Source:Jamboree;Acc:XB-GENE-985780]	2.8013	0.0106
ENSXETG00000018496	TMEM178.1	transmembrane protein 178, gene 1 [Source:Jamboree;Acc:XB-GENE-942687]	1.2191	0.0491
ENSXETG00000006356	TMEM184B	transmembrane protein 184B [Source:Jamboree;Acc:XB-GENE-489974]	1.2363	0.0149
ENSXETG00000025014	TMEM200C	transmembrane protein 200C [Source:Jamboree;Acc:XB-GENE-6462781]	1.3501	0.0003
ENSXETG00000027689	TMEM229A	transmembrane protein 229A [Source:Jamboree;Acc:XB-GENE-969915]	1.6510	0.0000
ENSXETG00000003909	TMEM229B	transmembrane protein 229B [Source:Jamboree;Acc:XB-GENE-987311]	1.2507	0.0487
ENSXETG00000003607	TMEM30A	transmembrane protein 30A [Source:Jamboree;Acc:XB-GENE-5816275]	1.4066	0.0000
ENSXETG00000021455	TMEM38A	transmembrane protein 38A [Source:Jamboree;Acc:XB-GENE-5802848]	1.7413	0.0074
ENSXETG00000011196	TMEM59L	transmembrane protein 59-like [Source:Jamboree;Acc:XB-GENE-958345]	1.4878	0.0000
ENSXETG00000022650	TMEM63A	transmembrane protein 63A [Source:Jamboree;Acc:XB-GENE-5745781]	1.4359	0.0037
ENSXETG00000014606	TMEM64	transmembrane protein 64 [Source:Jamboree;Acc:XB-GENE-6076037]	1.4677	0.0001
ENSXETG00000027485	TMEM74	transmembrane protein 74 [Source:Jamboree;Acc:XB-GENE-940662]	1.3804	0.0081
ENSXETG00000020749	TMOD2	tropomodulin 2 (neuronal) [Source:Jamboree;Acc:XB-GENE-944511]	1.3193	0.0007
ENSXETG00000017962	TMPRSS11F	transmembrane protease, serine 11F [Source:Jamboree;Acc:XB-GENE-1012399]	11.3757	0.0012
ENSXETG00000010124	TMPRSS4	transmembrane protease, serine 4 [Source:Jamboree;Acc:XB-GENE-940762]	1.4470	0.0001
ENSXETG00000000326	TMTC1	transmembrane and tetratricopeptide repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:24099]	1.4084	0.0000
ENSXETG00000026035	TMX4	thioredoxin-related transmembrane protein 4 [Source:Jamboree;Acc:XB-GENE-992676]	1.5000	0.0000
ENSXETG00000012764	TNFAIP2	tumor necrosis factor, alpha-induced protein 2 [Source:Jamboree;Acc:XB-GENE-1005945]	1.5531	0.0000
ENSXETG00000020757	TNFAIP8L3	tumor necrosis factor, alpha-induced protein 8-like 3 [Source:Jamboree;Acc:XB-GENE-5763786]	4.0216	0.0172
ENSXETG00000018953	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A [Source:Jamboree;Acc:XB-GENE-996080]	1.4538	0.0135
ENSXETG00000011317	TNFRSF21	tumor necrosis factor receptor superfamily, member 21 [Source:Jamboree;Acc:XB-GENE-987803]	1.7556	0.0000
ENSXETG00000024676	TNNI3	troponin I type 3 (cardiac) [Source:Jamboree;Acc:XB-GENE-486987]	1.8313	0.0289
ENSXETG00000003199	TNNT1	troponin T type 1 (skeletal, slow) [Source:Jamboree;Acc:XB-GENE-481588]	2.2436	0.0479
ENSXETG00000004612	TOLLIP	toll interacting protein [Source:Jamboree;Acc:XB-GENE-946207]	1.3988	0.0003
ENSXETG00000022235	TP53I11	tumor protein p53 inducible protein 11 [Source:Jamboree;Acc:XB-GENE-5885149]	1.2893	0.0050
ENSXETG00000021842	TPD52L1	tumor protein D52-like 1 [Source:Jamboree;Acc:XB-GENE-961168]	2.7245	0.0000
ENSXETG00000005015	TPRG1L	tumor protein p63 regulated 1-like [Source:Jamboree;Acc:XB-GENE-5849057]	1.4080	0.0007
ENSXETG00000017664	TPST1	tyrosylprotein sulfotransferase 1 [Source:Jamboree;Acc:XB-GENE-953306]	1.2238	0.0357
ENSXETG00000012746	TRAF3	TNF receptor-associated factor 3 [Source:Jamboree;Acc:XB-GENE-968262]	2.5748	0.0000
ENSXETG00000004877	TRAF3IP1	TNF receptor-associated factor 3 interacting protein 1 [Source:Jamboree;Acc:XB-GENE-5871494]	1.2969	0.0034
ENSXETG00000012885	TRAF3IP2	TRAF3 interacting protein 2 [Source:Jamboree;Acc:XB-GENE-6035451]	2.4581	0.0099
ENSXETG00000026235	TRAFD1	TRAF-type zinc finger domain containing 1 [Source:Jamboree;Acc:XB-GENE-958272]	1.1990	0.0399
ENSXETG00000000198	TRERF1	transcriptional regulating factor 1 [Source:Jamboree;Acc:XB-GENE-940630]	1.4171	0.0000
ENSXETG00000027887	TRIB2	tribbles homolog 2 [Source:Jamboree;Acc:XB-GENE-489426]	1.2424	0.0198
ENSXETG00000000455	TRIM23	tripartite motif containing 23 [Source:Jamboree;Acc:XB-GENE-984755]	1.2265	0.0212
ENSXETG00000007553	TRIM44	tripartite motif containing 44 [Source:Jamboree;Acc:XB-GENE-955117]	1.3923	0.0006
ENSXETG00000012598	TRIM65	tripartite motif containing 65 [Source:Jamboree;Acc:XB-GENE-958095]	1.3725	0.0012
ENSXETG00000016487	TRIM9	tripartite motif containing 9 [Source:Jamboree;Acc:XB-GENE-961277]	1.2076	0.0188
ENSXETG00000000596	TRPC1	transient receptor potential cation channel, subfamily C, member 1 [Source:Jamboree;Acc:XB-GENE-1004978]	1.3763	0.0001
ENSXETG00000014669	TRPM4	transient receptor potential cation channel, subfamily M, member 4 [Source:Jamboree;Acc:XB-GENE-6257461]	3.7296	0.0046
ENSXETG00000001048	TRPM6	transient receptor potential cation channel, subfamily M, member 6 [Source:Jamboree;Acc:XB-GENE-958179]	1.7798	0.0000
ENSXETG00000003271	TRPM8	transient receptor potential cation channel, subfamily M, member 8 [Source:Jamboree;Acc:XB-GENE-998832]	2.6225	0.0000
ENSXETG00000005811	TRPV2	transient receptor potential cation channel, subfamily V, member 2 [Source:Jamboree;Acc:XB-GENE-6258127]	1.4199	0.0009
ENSXETG00000010035	TSHR	thyroid stimulating hormone receptor [Source:Jamboree;Acc:XB-GENE-991483]	1.9482	0.0090
ENSXETG00000017555	TSHZ2	teashirt zinc finger homeobox 2 [Source:Jamboree;Acc:XB-GENE-486894]	1.2319	0.0375
ENSXETG00000022236	TSPAN18	tetraspanin 18 [Source:Jamboree;Acc:XB-GENE-868385]	1.8852	0.0000
ENSXETG00000014947	TSPAN33	tetraspanin 33 [Source:Jamboree;Acc:XB-GENE-960025]	1.2178	0.0469
ENSXETG00000002879	TSPAN4	tetraspanin 4 [Source:Jamboree;Acc:XB-GENE-958395]	1.3191	0.0032
ENSXETG00000019055	TSPAN4	tetraspanin 4 [Source:HGNC Symbol;Acc:HGNC:11859]	1.1986	0.0398
ENSXETG00000009317	TSPAN5	tetraspanin 5 [Source:Jamboree;Acc:XB-GENE-868310]	1.3442	0.0004
ENSXETG00000008591	TSPAN7	tetraspanin 7 [Source:Jamboree;Acc:XB-GENE-941774]	1.3049	0.0049
ENSXETG00000017281	TTC16	tetratricopeptide repeat domain 16 [Source:Jamboree;Acc:XB-GENE-6462920]	1.7140	0.0000
ENSXETG00000008469	TTC30A	tetratricopeptide repeat domain 30a [Source:Jamboree;Acc:XB-GENE-1221159]	1.3369	0.0210
ENSXETG00000019686	TUB	tubby homolog [Source:Jamboree;Acc:XB-GENE-962281]	1.2494	0.0087
ENSXETG00000001752	TUBA8	tubulin, alpha 8 [Source:Jamboree;Acc:XB-GENE-491247]	2.9456	0.0002
ENSXETG00000025552	TUSC5	tumor suppressor candidate 5 [Source:Jamboree;Acc:XB-GENE-5890856]	1.2549	0.0370
ENSXETG00000000052	TYRO3	TYRO3 protein tyrosine kinase [Source:Jamboree;Acc:XB-GENE-922144]	1.3387	0.0006
ENSXETG00000029503	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	1.4478	0.0000
ENSXETG00000029598	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	2.6953	0.0180
ENSXETG00000003900	UBASH3B	ubiquitin associated and SH3 domain containing B [Source:Jamboree;Acc:XB-GENE-5757837]	1.7008	0.0000
ENSXETG00000020830	UBR4	ubiquitin protein ligase E3 component n-recognin 4 [Source:Jamboree;Acc:XB-GENE-970440]	1.2638	0.0365
ENSXETG00000009114	UCMA	upper zone of growth plate and cartilage matrix associated [Source:Jamboree;Acc:XB-GENE-5752310]	1.7216	0.0083
ENSXETG00000016289	UCN3	urocortin 3 (stresscopin) [Source:Jamboree;Acc:XB-GENE-5829753]	1.9400	0.0461
ENSXETG00000010570	UGT8	UDP glycosyltransferase 8 [Source:Jamboree;Acc:XB-GENE-960667]	1.7898	0.0047
ENSXETG00000021133	ULK3	unc-51-like kinase 3 [Source:Jamboree;Acc:XB-GENE-5958931]	1.7505	0.0000
ENSXETG00000027055	UMODL1	uromodulin-like 1 [Source:Jamboree;Acc:XB-GENE-5965241]	2.2749	0.0002
ENSXETG00000013597	UNC13A	unc-13 homolog A [Source:Jamboree;Acc:XB-GENE-6039664]	1.1903	0.0377
ENSXETG00000019221	UNC5C	unc-5 homolog C [Source:Jamboree;Acc:XB-GENE-921628]	1.3910	0.0001
ENSXETG00000013401	UNC5D	unc-5 homolog D [Source:Jamboree;Acc:XB-GENE-922923]	1.8844	0.0000
ENSXETG00000009799	USP12	ubiquitin specific peptidase 12 [Source:Jamboree;Acc:XB-GENE-1009317]	1.2281	0.0242
ENSXETG00000022958	USP28	ubiquitin specific peptidase 28 [Source:Jamboree;Acc:XB-GENE-990711]	1.2605	0.0380
ENSXETG00000013503	USP32	ubiquitin specific peptidase 32 [Source:Jamboree;Acc:XB-GENE-960575]	1.2632	0.0126
ENSXETG00000004044	USP53	ubiquitin specific peptidase 53 [Source:Jamboree;Acc:XB-GENE-960675]	1.3767	0.0057
ENSXETG00000022290	UTRN	utrophin [Source:Jamboree;Acc:XB-GENE-1001901]	1.2190	0.0456
ENSXETG00000012696	VAT1L	vesicle amine transport protein 1 homolog-like [Source:Jamboree;Acc:XB-GENE-952539]	1.5242	0.0000
ENSXETG00000014965	VIL1	villin 1 [Source:Jamboree;Acc:XB-GENE-965127]	3.2070	0.0000
ENSXETG00000017855	VPS13B	vacuolar protein sorting 13 homolog B [Source:Jamboree;Acc:XB-GENE-853604]	1.2924	0.0092
ENSXETG00000001391	VPS13D	vacuolar protein sorting 13 homolog D [Source:Jamboree;Acc:XB-GENE-923472]	1.2859	0.0060
ENSXETG00000015753	VPS45	vacuolar protein sorting 45 homolog [Source:Jamboree;Acc:XB-GENE-961682]	1.3581	0.0010
ENSXETG00000022432	VPS53	vacuolar protein sorting 53 homolog [Source:Jamboree;Acc:XB-GENE-1011610]	1.2275	0.0427
ENSXETG00000015557	VSNL1	visinin-like 1 [Source:Jamboree;Acc:XB-GENE-952045]	1.3201	0.0196
ENSXETG00000017117	VSTM5	V-set and transmembrane domain containing 5 [Source:Jamboree;Acc:XB-GENE-940096]	4.5142	0.0000
ENSXETG00000014175	VWA5A	von Willebrand factor A domain containing 5A [Source:Jamboree;Acc:XB-GENE-5898460]	1.5631	0.0002

ENSXETG00000017559	VWA5B1	von Willebrand factor A domain containing 5B1 [Source:Jamboree;Acc:XB-GENE-6462478]	2.3153	0.0000
ENSXETG00000014240	VWC2L	von Willebrand factor C domain containing protein 2-like [Source:Jamboree;Acc:XB-GENE-949133]	1.2706	0.0077
ENSXETG00000012581	WBP2	WW domain binding protein 2 [Source:Jamboree;Acc:XB-GENE-993857]	1.3949	0.0059
ENSXETG00000007796	WBSCR27	Williams Beuren syndrome chromosome region 27 [Source:Jamboree;Acc:XB-GENE-943639]	1.4520	0.0200
ENSXETG00000006279	WDFY3	WD repeat and FYVE domain containing 3 [Source:Jamboree;Acc:XB-GENE-1005846]	1.2171	0.0434
ENSXETG00000002453	WDR17	WD repeat domain 17 [Source:Jamboree;Acc:XB-GENE-1000178]	1.2057	0.0371
ENSXETG00000012870	WDR19	WD repeat domain 19 [Source:Jamboree;Acc:XB-GENE-920013]	1.2307	0.0243
ENSXETG00000017074	WDR41	WD repeat domain 41 [Source:Jamboree;Acc:XB-GENE-1016936]	1.3187	0.0016
ENSXETG00000000310	WDR47	WD repeat domain 47 [Source:Jamboree;Acc:XB-GENE-5787016]	1.2444	0.0143
ENSXETG00000020898	WDR7	WD repeat domain 7 [Source:Jamboree;Acc:XB-GENE-951997]	1.3831	0.0008
ENSXETG00000020237	WDR91	WD repeat domain 91 [Source:Jamboree;Acc:XB-GENE-969792]	1.2496	0.0491
ENSXETG00000009416	WNK1	WNK lysine deficient protein kinase 1 [Source:RefSeq peptide;Acc:NP_001090703]	1.1916	0.0476
ENSXETG00000012615	WNK4	WNK lysine deficient protein kinase 4 [Source:Jamboree;Acc:XB-GENE-981916]	1.5414	0.0001
ENSXETG00000007719	WNT7C	wingless-type MMTV integration site family, member 7c [Source:Jamboree;Acc:XB-GENE-5835754]	1.9922	0.0184
ENSXETG00000016758	XB-GENE-1002559	Putative ortholog of ras-related protein Rab-14, 1 of 2 [Source:Jamboree;Acc:XB-GENE-1002559]	1.6711	0.0002
ENSXETG00000009473	XB-GENE-1012534	Putative ortholog of ancient conserved domain protein 2, 2 of 2 [Source:Jamboree;Acc:XB-GENE-1012534]	1.3466	0.0038
ENSXETG00000024477	XB-GENE-5730116	hypothetical protein LOC100127850 [Source:Jamboree;Acc:XB-GENE-5730116]	1.6480	0.0003
ENSXETG00000022371	XB-GENE-5730963	Novel Tetraspanin family protein [Source:Jamboree;Acc:XB-GENE-5730963]	2.1786	0.0000
ENSXETG00000008182	XB-GENE-5767035	hypothetical protein LOC100145763 [Source:Jamboree;Acc:XB-GENE-5767035]	2.2956	0.0000
ENSXETG00000024935	XB-GENE-5772074	hypothetical protein LOC100144966 [Source:Jamboree;Acc:XB-GENE-5772074]	1.8357	0.0000
ENSXETG00000007136	XB-GENE-5794175	hypothetical protein LOC779076 [Source:Jamboree;Acc:XB-GENE-5794175]	1.2289	0.0286
ENSXETG00000016993	XB-GENE-5802830	FRL2 protein [Source:Jamboree;Acc:XB-GENE-5802830]	1.3440	0.0248
ENSXETG00000025417	XB-GENE-5807237	hypothetical protein MGC68519 [Source:Jamboree;Acc:XB-GENE-5807237]	3.9419	0.0012
ENSXETG00000025136	XB-GENE-5813137	ADP-ribosylation factor-like 11 [Source:Jamboree;Acc:XB-GENE-5813137]	1.7655	0.0008
ENSXETG00000004761	XB-GENE-5817486	hypothetical protein MGC154328 [Source:Jamboree;Acc:XB-GENE-5817486]	1.2561	0.0484
ENSXETG00000000158	XB-GENE-5822257	hypothetical protein LOC100124990 [Source:Jamboree;Acc:XB-GENE-5822257]	1.4928	0.0000
ENSXETG00000024925	XB-GENE-5857129	hypothetical LOC495492 [Source:Jamboree;Acc:XB-GENE-5857129]	2.3158	0.0017
ENSXETG00000003393	XB-GENE-5889097	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WDZ9]	2.2977	0.0365
ENSXETG00000019505	XB-GENE-5934805	hypothetical protein LOC779521 [Source:Jamboree;Acc:XB-GENE-5934805]	1.5164	0.0003
ENSXETG00000014880	XB-GENE-5936529	RGS9-1 anchoring protein R9AP [Source:Jamboree;Acc:XB-GENE-5936529]	1.3512	0.0047
ENSXETG00000025968	XB-GENE-5945738	hypothetical protein LOC733187 [Source:Jamboree;Acc:XB-GENE-5945738]	1.3092	0.0022
ENSXETG00000021633	XB-GENE-5947997	hypothetical protein LOC100037843 [Source:Jamboree;Acc:XB-GENE-5947997]	2.1288	0.0000
ENSXETG00000005334	XB-GENE-5961850	hypothetical protein LOC100144987 [Source:Jamboree;Acc:XB-GENE-5961850]	2.4512	0.0000
ENSXETG00000009147	XB-GENE-5962512	hypothetical protein LOC100125055 [Source:Jamboree;Acc:XB-GENE-5962512]	1.9130	0.0000
ENSXETG00000022463	XB-GENE-5962543	hypothetical LOC494812 [Source:Jamboree;Acc:XB-GENE-5962543]	4.2758	0.0000
ENSXETG00000022934	XB-GENE-5992704	uncharacterized protein LOC100216141 [Source:RefSeq peptide;Acc:NP_001135588]	1.6862	0.0049
ENSXETG00000007209	XB-GENE-5994048	N/A	2.2514	0.0000
ENSXETG00000015985	XB-GENE-5997771	uncharacterized protein LOC100216173 [Source:RefSeq peptide;Acc:NP_001135614]	1.4273	0.0042
ENSXETG00000002677	XB-GENE-942501	d lipid transfer protein 10) (StARD10) (START domain-containing protein 10) (Serologically defined colon cancer antigen 2	1.5502	0.0007
ENSXETG00000022124	XB-GENE-947799	Putative ortholog of aDP-ribosylation factor, 4 of 4 [Source:Jamboree;Acc:XB-GENE-947799]	1.5402	0.0000
ENSXETG00000008325	XB-GENE-961613	ta-1,3-glucuronyltransferase 1) (Glucuronosyltransferase-P) (GlcAT-P) (UDP-GlcUA:glycoprotein beta- 1,3-glucuronyltrans	1.3479	0.0001
ENSXETG00000027480	XB-GENE-968486	lehydrogenase; 3-deoxyglucosone reductase [Similar to Homo sapien gene from Source:RefSeq;Acc:NM_014475], 1 of 1 [S	1.6647	0.0001
ENSXETG00000006497	XB-GENE-980117	Putative ortholog of butyrylcholinesterase precursor (EC 3.1.1.8), 1 of 1 [Source:Jamboree;Acc:XB-GENE-980117]	1.7562	0.0465
ENSXETG00000010002	XB-GENE-987370	rokinase-type plasminogen activator precursor (EC 3.4.21.73) (uPA) (U-plasminogen activator), 1 of 1 [Source:Jamboree;Ac	3.9434	0.0000
ENSXETG00000003015	XB-GENE-990109	Putative ortholog of cystatin C precursor , 1 of 1 [Source:Jamboree;Acc:XB-GENE-990109]	1.3053	0.0092
ENSXETG00000000921	XB-GENE-993949	ucleotide exchange factor 3 (Exchange factor found in platelets and leukemic and neuronal tissues) (XPLN), 1 of 1 [Source:J	1.3327	0.0075
ENSXETG00000003377	XB-GENE-997187	S1 precursor (EC 3.6.3.14) (V-ATPase S1 subunit) (V-ATPase S1 accessory protein) (V-ATPase Ac45 subunit) (C7-1 protein	1.3514	0.0003
ENSXETG00000008109	XKR4	XK, Kell blood group complex subunit-related family, member 4 [Source:Jamboree;Acc:XB-GENE-5813487]	1.3476	0.0001
ENSXETG00000029085	XTR-LET-7E-2	xtr-let-7e-2 [Source:miRBase;Acc:MI0004909]	1.9065	0.0174
ENSXETG00000028993	XTR-MIR-128-2	xtr-mir-128-2 [Source:miRBase;Acc:MI0004828]	2.1566	0.0000
ENSXETG00000029091	XTR-MIR-7-2	xtr-mir-7-2 [Source:miRBase;Acc:MI0004792]	1.5093	0.0000
ENSXETG00000008971	YWHAG	3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Source:Jamboree;Acc:XB-GENE-	1.1998	0.0313
ENSXETG00000022950	ZBTB16	zinc finger and BTB domain containing 16 [Source:Jamboree;Acc:XB-GENE-478310]	1.3877	0.0002
ENSXETG00000022529	ZBTB25	zinc finger and BTB domain containing 25 [Source:Jamboree;Acc:XB-GENE-958947]	1.3468	0.0063
ENSXETG00000014756	ZBTB38	zinc finger and BTB domain containing 38 [Source:Jamboree;Acc:XB-GENE-983179]	1.3225	0.0216
ENSXETG00000020303	ZBTB7C	zinc finger and BTB domain containing 7C [Source:Jamboree;Acc:XB-GENE-954049]	2.0542	0.0000
ENSXETG00000004937	ZC3H3	zinc finger CCCH-type containing 3 [Source:Jamboree;Acc:XB-GENE-995650]	1.4142	0.0019
ENSXETG00000017793	ZC4H2	zinc finger, C4H2 domain containing [Source:Jamboree;Acc:XB-GENE-941217]	1.3834	0.0000
ENSXETG00000000694	ZDHHC2	zinc finger, DHHC-type containing 2 [Source:Jamboree;Acc:XB-GENE-947256]	1.9101	0.0000
ENSXETG00000012865	ZER1	zer-1 homolog [Source:Jamboree;Acc:XB-GENE-5922834]	1.2234	0.0429
ENSXETG00000025293	ZFAND6	zinc finger, AN1-type domain 6 [Source:Jamboree;Acc:XB-GENE-950123]	1.2840	0.0045
ENSXETG00000013529	ZFYVE27	zinc finger, FYVE domain containing 27 [Source:Jamboree;Acc:XB-GENE-1012378]	1.2288	0.0336
ENSXETG00000013463	ZMYND12	zinc finger, MYND-type containing 12 [Source:Jamboree;Acc:XB-GENE-978195]	1.3391	0.0480
ENSXETG00000014541	ZNF238	zinc finger protein 238 [Source:Jamboree;Acc:XB-GENE-1003542]	1.6995	0.0186
ENSXETG00000028016	ZNF333	zinc finger protein 333 [Source:Jamboree;Acc:XB-GENE-1015481]	1.5291	0.0087
ENSXETG00000015059	ZNF385B	zinc finger protein 385B [Source:Jamboree;Acc:XB-GENE-1219172]	1.3279	0.0186
ENSXETG00000001331	ZNF804A	zinc finger protein 804A [Source:Jamboree;Acc:XB-GENE-6458561]	1.9433	0.0000
ENSXETG00000012506	ZNF91	zinc finger protein 91 [Source:Jamboree;Acc:XB-GENE-990036]	1.2003	0.0370
ENSXETG00000003560	ZNFX1.2	zinc finger, NFX1-type containing 1, gene 2 [Source:Jamboree;Acc:XB-GENE-5996127]	2.9605	0.0000

Complete List of Downregulated Genes Between NF stage 50 and 66

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000001384	AADACL4	arylacetamide deacetylase-like 4 [Source:Jamboree;Acc:XB-GENE-967822]	0.3967	0.0246
ENSXETG00000007668	AARS	alanyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-963523]	0.5436	0.0000
ENSXETG00000008959	AATF	apoptosis antagonizing transcription factor [Source:Jamboree;Acc:XB-GENE-1016683]	0.6951	0.0239
ENSXETG00000021974	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10 [Source:Jamboree;Acc:XB-GENE-6464279]	0.3944	0.0187
ENSXETG00000008223	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4 [Source:Jamboree;Acc:XB-GENE-1000810]	0.5159	0.0009
ENSXETG00000002493	ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1 [Source:Jamboree;Acc:XB-GENE-953835]	0.7593	0.0011
ENSXETG00000003740	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2 [Source:Jamboree;Acc:XB-GENE-1012796]	0.4667	0.0000
ENSXETG00000026360	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6 [Source:Jamboree;Acc:XB-GENE-6465366]	0.3544	0.0000
ENSXETG00000025168	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1 [Source:Jamboree;Acc:XB-GENE-993988]	0.7658	0.0020
ENSXETG00000000340	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2 [Source:Jamboree;Acc:XB-GENE-991895]	0.6630	0.0008
ENSXETG00000009199	ABHD10	abhydrolase domain containing 10 [Source:Jamboree;Acc:XB-GENE-994024]	0.6701	0.0000
ENSXETG00000000088	ABHD14B	abhydrolase domain containing 14B [Source:Jamboree;Acc:XB-GENE-972692]	0.2619	0.0002
ENSXETG00000003147	ABHD3	abhydrolase domain containing 3 [Source:Jamboree;Acc:XB-GENE-984642]	0.7699	0.0234
ENSXETG00000001464	ABL1	c-abl oncogene 1, non-receptor tyrosine kinase [Source:Jamboree;Acc:XB-GENE-6054675]	0.6990	0.0013
ENSXETG00000005684	ABT1	activator of basal transcription 1 [Source:Jamboree;Acc:XB-GENE-5916363]	0.5979	0.0336
ENSXETG00000029866	ACA64	Small nucleolar RNA ACA64 [Source:RFAM;Acc:RF01225]	0.5342	0.0030
ENSXETG00000020333	ACAA2	acetyl-CoA acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-5827758]	0.5582	0.0000
ENSXETG00000021174	ACAT2	acetyl-CoA acetyltransferase 2 [Source:Jamboree;Acc:XB-GENE-5929870]	0.6429	0.0004
ENSXETG00000009184	ACO1	aconitase 1, soluble [Source:Jamboree;Acc:XB-GENE-1012108]	0.7325	0.0006
ENSXETG00000025940	ACOT13	acyl-CoA thioesterase 13 [Source:Jamboree;Acc:XB-GENE-1004168]	0.7089	0.0043
ENSXETG00000016725	ACP5	acid phosphatase 5, tartrate resistant [Source:Jamboree;Acc:XB-GENE-957094]	0.4250	0.0000
ENSXETG00000006826	ACSF2	acyl-CoA synthetase family member 2 [Source:Jamboree;Acc:XB-GENE-993379]	0.4093	0.0000
ENSXETG00000016740	ACSM3	acyl-CoA synthetase medium-chain family member 3 [Source:Jamboree;Acc:XB-GENE-486978]	0.3581	0.0000
ENSXETG00000004291	ACSS2.2	acyl-CoA synthetase short-chain family member 2, gene 2 [Source:Jamboree;Acc:XB-GENE-5916994]	0.7423	0.0032
ENSXETG00000014528	ACSS3	acyl-CoA synthetase short-chain family member 3 [Source:Jamboree;Acc:XB-GENE-6035224]	0.3672	0.0000
ENSXETG00000009279	ACTA2	actin, alpha 2, smooth muscle, aorta [Source:Jamboree;Acc:XB-GENE-493937]	0.3779	0.0000
ENSXETG00000027641	ACTG1	actin, gamma 1 [Source:Jamboree;Acc:XB-GENE-491618]	0.7066	0.0000
ENSXETG00000007260	ACTL6A	actin-like 6A [Source:Jamboree;Acc:XB-GENE-491948]	0.5943	0.0000
ENSXETG00000001885	ACTR6	ARP6 actin-related protein 6 homolog [Source:Jamboree;Acc:XB-GENE-5860964]	0.7268	0.0013
ENSXETG00000020999	ACVR2B	activin A receptor, type IIB [Source:Jamboree;Acc:XB-GENE-484248]	0.4662	0.0000
ENSXETG00000003459	ADA	adenosine deaminase [Source:Jamboree;Acc:XB-GENE-950501]	0.6013	0.0005
ENSXETG00000011758	ADAM33	ADAM metallopeptidase domain 33 [Source:Jamboree;Acc:XB-GENE-988107]	0.5531	0.0213

ENSXETG00000019022	ADAMTS16	ADAM metallopeptidase with thrombospondin type 1 motif, 16 [Source:Jamboree;Acc:XB-GENE-986244]	0.5219	0.0350
ENSXETG00000012701	ADAMTS18	ADAM metallopeptidase with thrombospondin type 1 motif, 18 [Source:Jamboree;Acc:XB-GENE-986196]	0.6190	0.0285
ENSXETG00000008129	ADAMTS3	ADAM metallopeptidase with thrombospondin type 1 motif, 3 [Source:Jamboree;Acc:XB-GENE-490472]	0.5974	0.0006
ENSXETG00000007838	ADAMTS7	ADAM metallopeptidase with thrombospondin type 1 motif, 7 [Source:Jamboree;Acc:XB-GENE-6037434]	0.6327	0.0001
ENSXETG00000018086	ADAMTSL4	ADAMTS-like 4 [Source:Jamboree;Acc:XB-GENE-986796]	0.4818	0.0012
ENSXETG00000009313	ADH1B	class I alcohol dehydrogenase, beta subunit [Source:RefSeq peptide;Acc:NP_001011431]	0.1429	0.0000
ENSXETG00000009304	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide [Source:Jamboree;Acc:XB-GENE-977214]	0.4879	0.0000
ENSXETG00000019224	ADTRP	androgen-dependent TFPI-regulating protein [Source:HGNC Symbol;Acc:HGNC:21214]	0.3320	0.0108
ENSXETG00000007588	AEN	apoptosis enhancing nuclease [Source:Jamboree;Acc:XB-GENE-949418]	0.5122	0.0003
ENSXETG00000005052	AGMO	alkylglycerol monooxygenase [Source:Jamboree;Acc:XB-GENE-950748]	0.3059	0.0041
ENSXETG00000023889	AGPHD1	aminoglycoside phosphotransferase domain containing 1 [Source:Jamboree;Acc:XB-GENE-956847]	0.4808	0.0011
ENSXETG00000000707	AGXT2	alanine--glyoxylate aminotransferase 2 [Source:Jamboree;Acc:XB-GENE-993827]	0.0502	0.0000
ENSXETG00000008546	AHCTF1	AT hook containing transcription factor 1 [Source:Jamboree;Acc:XB-GENE-855756]	0.7951	0.0070
ENSXETG00000019486	AHCY	adenosylhomocysteinase [Source:Jamboree;Acc:XB-GENE-950017]	0.3708	0.0000
ENSXETG00000005642	AHNAK	AHNAK nucleoprotein [Source:Jamboree;Acc:XB-GENE-995617]	0.7779	0.0208
ENSXETG00000019862	AIMP1	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 [Source:Jamboree;Acc:XB-GENE-958442]	0.6231	0.0000
ENSXETG00000027867	AK2	adenylate kinase 2 [Source:Jamboree;Acc:XB-GENE-491598]	0.7108	0.0010
ENSXETG00000026355	AKAP12	A kinase (PRKA) anchor protein 12 [Source:Jamboree;Acc:XB-GENE-6459605]	0.6415	0.0000
ENSXETG00000002887	AKT1S1	AKT1 substrate 1 (proline-rich) [Source:Jamboree;Acc:XB-GENE-491929]	0.7768	0.0064
ENSXETG00000022017	ALAS2	aminolevulinate, delta-, synthase 2 [Source:Jamboree;Acc:XB-GENE-487573]	0.4900	0.0000
ENSXETG00000003403	ALDH16A1	aldehyde dehydrogenase 16 family, member A1 [Source:Jamboree;Acc:XB-GENE-5726619]	0.7048	0.0060
ENSXETG00000022613	ALDH18A1	aldehyde dehydrogenase 18 family, member A1 [Source:Jamboree;Acc:XB-GENE-5765545]	0.6791	0.0143
ENSXETG00000010865	ALDH1A2	aldehyde dehydrogenase 1 family, member A2 [Source:Jamboree;Acc:XB-GENE-1012909]	0.6106	0.0000
ENSXETG00000018751	ALDH1A3	aldehyde dehydrogenase 1 family, member A3 [Source:Jamboree;Acc:XB-GENE-992885]	0.2757	0.0000
ENSXETG00000011551	ALDH1L1	aldehyde dehydrogenase 1 family, member L1 [Source:Jamboree;Acc:XB-GENE-1016237]	0.4237	0.0000
ENSXETG00000001886	ALDH1L2	aldehyde dehydrogenase 1 family, member L2 [Source:Jamboree;Acc:XB-GENE-5820495]	0.5716	0.0018
ENSXETG00000024058	ALDOB	aldolase B, fructose-bisphosphate [Source:Jamboree;Acc:XB-GENE-5925393]	0.3600	0.0000
ENSXETG00000011972	ALG2	asparagine-linked glycosylation 2 homolog [Source:Jamboree;Acc:XB-GENE-494529]	0.7904	0.0088
ENSXETG00000010450	ALG8	asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog [Source:Jamboree;Acc:XB-GENE-967047]	0.5048	0.0053
ENSXETG00000023244	ALPL	alkaline phosphatase, liver/bone/kidney [Source:Jamboree;Acc:XB-GENE-1010301]	0.2520	0.0000
ENSXETG00000011819	AMOTL2	angiomotin like 2 [Source:Jamboree;Acc:XB-GENE-972335]	0.7499	0.0080
ENSXETG00000005937	AMT	aminomethyltransferase [Source:Jamboree;Acc:XB-GENE-921598]	0.4640	0.0006
ENSXETG00000000782	ANAPC1	anaphase promoting complex subunit 1 [Source:Jamboree;Acc:XB-GENE-5894738]	0.8063	0.0378
ENSXETG00000014357	ANGEL2	angel homolog 2 [Source:Jamboree;Acc:XB-GENE-985562]	0.7285	0.0017
ENSXETG00000021893	ANGPTL4	angiopoietin-like 4 [Source:Jamboree;Acc:XB-GENE-481750]	0.4571	0.0001
ENSXETG00000006436	ANKLE1	ankyrin repeat and LEM domain containing 1 [Source:Jamboree;Acc:XB-GENE-6045314]	0.4244	0.0000
ENSXETG00000008211	ANKRD10	ankyrin repeat domain 10 [Source:Jamboree;Acc:XB-GENE-999908]	0.8272	0.0194
ENSXETG00000024150	ANKRD24	ankyrin repeat domain 24 [Source:Jamboree;Acc:XB-GENE-984388]	0.8017	0.0223
ENSXETG00000015093	ANKRD5	ankyrin repeat domain 5 [Source:Jamboree;Acc:XB-GENE-980460]	0.5765	0.0489
ENSXETG00000019293	ANKZF1	ankyrin repeat and zinc finger domain containing 1 [Source:Jamboree;Acc:XB-GENE-984263]	0.6456	0.0049
ENSXETG00000000343	ANLN	anillin, actin binding protein [Source:Jamboree;Acc:XB-GENE-489407]	0.5596	0.0000
ENSXETG00000009516	ANP32C	acidic (leucine-rich) nuclear phosphoprotein 32 family, member C [Source:Jamboree;Acc:XB-GENE-991758]	0.4694	0.0000
ENSXETG00000015745	ANP32E	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E [Source:Jamboree;Acc:XB-GENE-991616]	0.7640	0.0014
ENSXETG00000008206	ANXA4	annexin A4 [Source:Jamboree;Acc:XB-GENE-854498]	0.5407	0.0003
ENSXETG00000012588	AOC3	amine oxidase, copper containing 3 (vascular adhesion protein 1) [Source:Jamboree;Acc:XB-GENE-941577]	0.5571	0.0248
ENSXETG00000009105	AP4M1	adaptor-related protein complex 4, mu 1 subunit [Source:Jamboree;Acc:XB-GENE-970010]	0.4565	0.0000
ENSXETG00000022026	APEX2	APEX nuclease (apurinic/apyrimidinic endonuclease) 2 [Source:Jamboree;Acc:XB-GENE-1012054]	0.4811	0.0000
ENSXETG00000016439	APH1A	anterior pharynx defective 1 homolog A [Source:Jamboree;Acc:XB-GENE-921428]	0.7199	0.0002
ENSXETG00000024143	APTX	aprataxin [Source:Jamboree;Acc:XB-GENE-1015068]	0.6321	0.0056
ENSXETG00000012901	AQR	aquarius homolog [Source:Jamboree;Acc:XB-GENE-1217636]	0.7370	0.0019
ENSXETG00000023978	ARF6	ADP-ribosylation factor 6 [Source:Jamboree;Acc:XB-GENE-5743884]	0.7278	0.0006
ENSXETG00000018089	ARHGAP11A.1	Rho GTPase activating protein 11A, gene 1 [Source:Jamboree;Acc:XB-GENE-1010876]	0.5167	0.0000
ENSXETG00000003417	ARHGAP19	Rho GTPase activating protein 19 [Source:Jamboree;Acc:XB-GENE-6041529]	0.0703	0.0000
ENSXETG00000008222	ARHGAP29	Rho GTPase activating protein 29 [Source:Jamboree;Acc:XB-GENE-964890]	0.6967	0.0243
ENSXETG00000007442	ARHGAP39	Rho GTPase activating protein 39 [Source:Jamboree;Acc:XB-GENE-6049004]	0.5039	0.0006
ENSXETG00000021474	ARHGEF15	Rho guanine nucleotide exchange factor (GEF) 15 [Source:Jamboree;Acc:XB-GENE-6257375]	0.8403	0.0373
ENSXETG00000005005	ARHGEF16	Rho guanine nucleotide exchange factor (GEF) 16 [Source:Jamboree;Acc:XB-GENE-1015007]	0.2831	0.0073
ENSXETG00000021613	ARID3A	AT rich interactive domain 3A (BRIGHT-like) [Source:Jamboree;Acc:XB-GENE-945264]	0.6710	0.0373
ENSXETG00000026166	ARL13A	ADP-ribosylation factor-like 13A [Source:Jamboree;Acc:XB-GENE-1007191]	0.7316	0.0091
ENSXETG00000024664	ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa [Source:Jamboree;Acc:XB-GENE-494089]	0.5661	0.0000
ENSXETG00000013606	ARRDC2	arrestin domain containing 2 [Source:Jamboree;Acc:XB-GENE-946088]	0.5291	0.0000
ENSXETG00000018085	ARRDC3	arrestin domain containing 3 [Source:Jamboree;Acc:XB-GENE-5732341]	0.6534	0.0002
ENSXETG00000000542	ARSB	arylsulfatase B [Source:Jamboree;Acc:XB-GENE-962085]	0.4739	0.0005
ENSXETG00000011881	ARSI	arylsulfatase family, member I [Source:Jamboree;Acc:XB-GENE-6046190]	0.3072	0.0066
ENSXETG00000018765	ASB7	ankyrin repeat and SOCS box containing 7 [Source:Jamboree;Acc:XB-GENE-1016460]	0.7352	0.0050
ENSXETG00000028029	ASF1B	ASF1 anti-silencing function 1 homolog B [Source:Jamboree;Acc:XB-GENE-1003005]	0.6446	0.0000
ENSXETG00000009007	ASH2L	ash2 (absent, small, or homeotic)-like [Source:Jamboree;Acc:XB-GENE-923264]	0.7973	0.0289
ENSXETG00000025707	ASNS	asparagine synthetase (glutamine-hydrolyzing) [Source:Jamboree;Acc:XB-GENE-1006768]	0.2725	0.0140
ENSXETG00000023215	ATAD2	ATPase family, AAA domain containing 2 [Source:Jamboree;Acc:XB-GENE-995542]	0.0918	0.0000
ENSXETG00000012959	ATAD3A	ATPase family, AAA domain containing 3A [Source:Jamboree;Acc:XB-GENE-946129]	0.5616	0.0000
ENSXETG00000025818	ATAD5	ATPase family, AAA domain containing 5 [Source:Jamboree;Acc:XB-GENE-6257545]	0.6640	0.0001
ENSXETG00000007299	ATF1	activating transcription factor 1 [Source:Jamboree;Acc:XB-GENE-971677]	0.6832	0.0002
ENSXETG00000014375	ATF3	activating transcription factor 3 [Source:Jamboree;Acc:XB-GENE-6085251]	0.7837	0.0477
ENSXETG00000008803	ATF5	activating transcription factor 5 [Source:Jamboree;Acc:XB-GENE-5808898]	0.3406	0.0000
ENSXETG00000008804	ATF5.2	activating transcription factor 5, gene 2 [Source:Jamboree;Acc:XB-GENE-5902427]	0.2990	0.0000
ENSXETG00000025087	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Source:Jamboree;Acc:XB-GENE-998807]	0.7594	0.0161
ENSXETG00000023279	ATOH1	atonal homolog 1 [Source:Jamboree;Acc:XB-GENE-6452084]	0.1554	0.0000
ENSXETG00000016836	ATP13A4	ATPase type 13A4 [Source:Jamboree;Acc:XB-GENE-978090]	0.2885	0.0000
ENSXETG00000009695	ATP2A1	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 [Source:Jamboree;Acc:XB-GENE-975115]	0.0697	0.0000
ENSXETG00000022255	ATP5F1	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit B1 [Source:Jamboree;Acc:XB-GENE-972907]	0.8182	0.0443
ENSXETG00000024423	ATP5G3	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C3 (subunit 9) [Source:Jamboree;Acc:XB-GENE-853227]	0.7779	0.0031
ENSXETG00000012507	ATP5H	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d [Source:Jamboree;Acc:XB-GENE-993879]	0.7940	0.0266
ENSXETG00000013610	ATP5J	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6 [Source:Jamboree;Acc:XB-GENE-987263]	0.7830	0.0194
ENSXETG00000008135	ATP8B3	ATPase, aminophospholipid transporter, class I, type 8B, member 3 [Source:Jamboree;Acc:XB-GENE-992174]	0.5338	0.0003
ENSXETG00000012153	ATPAF2	ATP synthase mitochondrial F1 complex assembly factor 2 [Source:Jamboree;Acc:XB-GENE-972826]	0.7155	0.0030
ENSXETG00000012897	ATPBD4	ATP binding domain 4 [Source:Jamboree;Acc:XB-GENE-949971]	0.5996	0.0002
ENSXETG00000000617	ATR	ataxia telangiectasia and Rad3 related [Source:Jamboree;Acc:XB-GENE-1012722]	0.6874	0.0063
ENSXETG00000012032	AURKA	aurora kinase A [Source:Jamboree;Acc:XB-GENE-853082]	0.3951	0.0208
ENSXETG00000009097	AURKB	aurora kinase B [Source:Jamboree;Acc:XB-GENE-1019626]	0.1015	0.0000
ENSXETG00000012143	AXIN1	axin 1 [Source:Jamboree;Acc:XB-GENE-486781]	0.8084	0.0336
ENSXETG00000020389	B3GALT4	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 [Source:Jamboree;Acc:XB-GENE-919694]	0.7205	0.0234
ENSXETG00000009422	B4GALNT3	beta-1,4-N-acetyl-galactosaminyl transferase 3 [Source:Jamboree;Acc:XB-GENE-6051199]	0.6135	0.0280
ENSXETG00000024147	B4GALT1.1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1, gene 1 [Source:Jamboree;Acc:XB-GENE-5871724]	0.3948	0.0012
ENSXETG00000022659	B9D1	B9 protein domain 1 [Source:Jamboree;Acc:XB-GENE-971084]	0.6890	0.0185
ENSXETG00000011430	BANF1	barrier to autointegration factor 1 [Source:Jamboree;Acc:XB-GENE-5745250]	0.7555	0.0012
ENSXETG00000011159	BANK1	B-cell scaffold protein with ankyrin repeats 1 [Source:Jamboree;Acc:XB-GENE-952296]	0.5649	0.0093
ENSXETG00000014241	BARD1	BRCA1 associated RING domain 1 [Source:Jamboree;Acc:XB-GENE-492035]	0.5813	0.0278
ENSXETG00000023986	BARHL2	BarH-like homeobox 2 [Source:Jamboree;Acc:XB-GENE-482777]	0.5898	0.0000
ENSXETG00000007584	BAZ2B	bromodomain adjacent to zinc finger domain, 2B [Source:Jamboree;Acc:XB-GENE-964622]	0.8067	0.0125
ENSXETG00000004606	BBOX1	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1 [Source:Jamboree;Acc:XB-GENE-956892]	0.4928	0.0052
ENSXETG00000019324	BCAM	basal cell adhesion molecule (Lutheran blood group) [Source:Jamboree;Acc:XB-GENE-921467]	0.5757	0.0002
ENSXETG00000019908	BCAN	brevican [Source:HGNC Symbol;Acc:HGNC:23059]	0.7657	0.0055
ENSXETG00000003772	BCL7A	B-cell CLL/lymphoma 7A [Source:Jamboree;Acc:XB-GENE-5754603]	0.6547	0.0000

ENSXETG00000015528	BCOR	BCL6 corepressor [Source:Jamboree;Acc:XB-GENE-1010841]	0.7981	0.0294
ENSXETG00000002605	BGLAP	bone gamma-carboxyglutamate (gla) protein [Source:Jamboree;Acc:XB-GENE-1018467]	0.6759	0.0460
ENSXETG00000000523	BHMT	betaine--homocysteine S-methyltransferase [Source:Jamboree;Acc:XB-GENE-1008382]	0.3812	0.0017
ENSXETG00000022183	BIRC2	baculoviral IAP repeat containing 2 [Source:Jamboree;Acc:XB-GENE-966171]	0.8113	0.0389
ENSXETG00000009983	BIRC5.2	baculoviral IAP repeat containing 5 [Source:Jamboree;Acc:XB-GENE-966741]	0.2055	0.0000
ENSXETG00000007847	BLM	Bloom syndrome, RecQ helicase-like [Source:Jamboree;Acc:XB-GENE-982561]	0.5279	0.0006
ENSXETG00000021538	BMP3	bone morphogenetic protein 3 [Source:Jamboree;Acc:XB-GENE-483484]	0.6444	0.0310
ENSXETG00000007071	BMP5	bone morphogenetic protein 5 [Source:Jamboree;Acc:XB-GENE-479371]	0.3648	0.0104
ENSXETG00000016386	BMP7.2	bone morphogenetic protein 7, gene 2 [Source:Jamboree;Acc:XB-GENE-855954]	0.6794	0.0016
ENSXETG00000008158	BMS1	BMS1 homolog, ribosome assembly protein [Source:Jamboree;Acc:XB-GENE-5796193]	0.5016	0.0000
ENSXETG00000018036	BNC2	basonuclin 2 [Source:Jamboree;Acc:XB-GENE-953157]	0.5441	0.0000
ENSXETG00000012171	BOC	Boc homolog [Source:Jamboree;Acc:XB-GENE-923398]	0.4356	0.0000
ENSXETG00000022543	BOD1	biorientation of chromosomes in cell division 1 [Source:Jamboree;Acc:XB-GENE-5810100]	0.7720	0.0083
ENSXETG00000018034	BPHL	biphenyl hydrolase-like (serine hydrolase) [Source:Jamboree;Acc:XB-GENE-988291]	0.7608	0.0004
ENSXETG00000024564	BRCA1	breast cancer 1, early onset [Source:Jamboree;Acc:XB-GENE-490624]	0.3085	0.0000
ENSXETG00000014519	BRD1	bromodomain containing 1 [Source:Jamboree;Acc:XB-GENE-949377]	0.8011	0.0179
ENSXETG00000018460	BRD7	bromodomain containing 7 [Source:Jamboree;Acc:XB-GENE-1017005]	0.7602	0.0008
ENSXETG00000013106	BRD9	bromodomain containing 9 [Source:Jamboree;Acc:XB-GENE-969470]	0.7703	0.0034
ENSXETG00000010720	BRIP1	BRCA1 interacting protein C-terminal helicase 1 [Source:Jamboree;Acc:XB-GENE-492370]	0.1184	0.0000
ENSXETG00000000703	BRIX1	BRX1, biogenesis of ribosomes, homolog [Source:Jamboree;Acc:XB-GENE-1007993]	0.5857	0.0004
ENSXETG00000026594	BTG1	B-cell translocation gene 1, anti-proliferative [Source:Jamboree;Acc:XB-GENE-1002920]	0.7304	0.0003
ENSXETG00000019020	BTN1A1	butyrophilin, subfamily 1, member A1 [Source:Jamboree;Acc:XB-GENE-5867805]	0.7570	0.0017
ENSXETG00000022448	BUB1	BUB1 budding uninhibited by benzimidazoles 1 homolog [Source:Jamboree;Acc:XB-GENE-974762]	0.1541	0.0000
ENSXETG00000000287	BUB1B	budding uninhibited by benzimidazoles 1 homolog beta [Source:Jamboree;Acc:XB-GENE-1010857]	0.0783	0.0000
ENSXETG00000009564	BUB3	budding uninhibited by benzimidazoles 3 homolog [Source:Jamboree;Acc:XB-GENE-955683]	0.6917	0.0001
ENSXETG00000007394	C10ORF140	chromosome 10 open reading frame 140 [Source:Jamboree;Acc:XB-GENE-976606]	0.1969	0.0000
ENSXETG00000012666	C12ORF10	chromosome 12 open reading frame 10 [Source:Jamboree;Acc:XB-GENE-1004333]	0.8021	0.0046
ENSXETG00000009782	C12ORF41	chromosome 12 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-972363]	0.7760	0.0054
ENSXETG00000012353	C13ORF34	chromosome 13 open reading frame 34 [Source:Jamboree;Acc:XB-GENE-5865524]	0.7296	0.0172
ENSXETG00000002847	C14ORF45	chromosome 14 open reading frame 45 [Source:Jamboree;Acc:XB-GENE-5831965]	0.7184	0.0063
ENSXETG00000006028	C15ORF40	chromosome 15 open reading frame 40 [Source:Jamboree;Acc:XB-GENE-946779]	0.7661	0.0057
ENSXETG00000015486	C15ORF63	chromosome 15 open reading frame 63 [Source:Jamboree;Acc:XB-GENE-999052]	0.7454	0.0077
ENSXETG00000008699	C16ORF72	chromosome 16 open reading frame 72 [Source:Jamboree;Acc:XB-GENE-957508]	0.8233	0.0416
ENSXETG00000019929	C16ORF91	chromosome 16 open reading frame 91 [Source:Jamboree;Acc:XB-GENE-877214]	0.6208	0.0042
ENSXETG00000013698	C18ORF54	chromosome 18 open reading frame 54 [Source:Jamboree;Acc:XB-GENE-1015211]	0.4994	0.0221
ENSXETG00000004738	C1ORF112	chromosome 1 open reading frame 112 [Source:Jamboree;Acc:XB-GENE-5952633]	0.3495	0.0000
ENSXETG00000002510	C1ORF144	chromosome 1 open reading frame 144 [Source:Jamboree;Acc:XB-GENE-5785975]	0.7927	0.0217
ENSXETG00000021242	C1ORF93	chromosome 1 open reading frame 93 [Source:Jamboree;Acc:XB-GENE-968463]	0.5508	0.0000
ENSXETG00000021363	C1QBP	complement component 1, q subcomponent binding protein [Source:Jamboree;Acc:XB-GENE-973232]	0.7226	0.0005
ENSXETG00000009896	C21ORF63	chromosome 21 open reading frame 63 [Source:Jamboree;Acc:XB-GENE-1013210]	0.3917	0.0001
ENSXETG00000018690	C21ORF70	chromosome 21 open reading frame 70 [Source:Jamboree;Acc:XB-GENE-954075]	0.7304	0.0043
ENSXETG00000002049	C21ORF91	chromosome 21 open reading frame 91 [Source:Jamboree;Acc:XB-GENE-950288]	0.6665	0.0017
ENSXETG00000025128	C2ORF47	chromosome 2 open reading frame 47 [Source:Jamboree;Acc:XB-GENE-990590]	0.7460	0.0082
ENSXETG00000014934	C2ORF62	chromosome 2 open reading frame 62 [Source:Jamboree;Acc:XB-GENE-942706]	0.5416	0.0000
ENSXETG00000015189	C2ORF73	chromosome 2 open reading frame 73 [Source:Jamboree;Acc:XB-GENE-5797228]	0.4964	0.0293
ENSXETG00000013102	C2ORF89	chromosome 2 open reading frame 89 [Source:Jamboree;Acc:XB-GENE-6050974]	0.1769	0.0000
ENSXETG00000002741	C3ORF17	chromosome 3 open reading frame 17 [Source:Jamboree;Acc:XB-GENE-5928587]	0.6689	0.0004
ENSXETG00000011858	C3ORF26	chromosome 3 open reading frame 26 [Source:Jamboree;Acc:XB-GENE-958019]	0.7080	0.0227
ENSXETG00000015634	C3ORF31	chromosome 3 open reading frame 31 [Source:Jamboree;Acc:XB-GENE-995882]	0.7301	0.0184
ENSXETG00000024098	C4ORF21	chromosome 4 open reading frame 21 [Source:Jamboree;Acc:XB-GENE-6461443]	0.1761	0.0000
ENSXETG00000027527	C7ORF30	chromosome 7 open reading frame 30 [Source:Jamboree;Acc:XB-GENE-1000345]	0.5329	0.0003
ENSXETG00000015814	C7ORF44	chromosome 7 open reading frame 44 [Source:Jamboree;Acc:XB-GENE-6036209]	0.2509	0.0000
ENSXETG00000007782	C8ORF4	chromosome 8 open reading frame 4 [Source:Jamboree;Acc:XB-GENE-949744]	0.5873	0.0299
ENSXETG00000024506	C8ORF42	chromosome 8 open reading frame 42 [Source:Jamboree;Acc:XB-GENE-952640]	0.7083	0.0170
ENSXETG00000006616	C8ORF76	chromosome 8 open reading frame 76 [Source:Jamboree;Acc:XB-GENE-972589]	0.6842	0.0065
ENSXETG00000000585	C9ORF46	chromosome 9 open reading frame 46 [Source:Jamboree;Acc:XB-GENE-1011541]	0.6317	0.0010
ENSXETG00000006883	C9ORF7	chromosome 9 open reading frame 7 [Source:Jamboree;Acc:XB-GENE-6257568]	0.6594	0.0001
ENSXETG00000016426	CA14	carbonic anhydrase 14 [Source:Jamboree;Acc:XB-GENE-855636]	0.8070	0.0433
ENSXETG00000020410	CACHD1	cache domain containing 1 [Source:Jamboree;Acc:XB-GENE-1010398]	0.7433	0.0012
ENSXETG00000010044	CACNG7	calcium channel, voltage-dependent, gamma subunit 7 [Source:Jamboree;Acc:XB-GENE-966233]	0.7075	0.0000
ENSXETG00000016401	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase [Source:Jamboree;Acc:XB-GENE-5878289]	0.7551	0.0052
ENSXETG00000023618	CALD1	caldesmon 1 [Source:Jamboree;Acc:XB-GENE-963931]	0.7541	0.0066
ENSXETG00000003985	CAPRIN1	cell cycle associated protein 1 [Source:Jamboree;Acc:XB-GENE-942720]	0.7204	0.0002
ENSXETG00000013774	CAR1_PREDICTED	carbonic anhydrase I [Source:RefSeq peptide;Acc:NP_001072785]	0.6324	0.0000
ENSXETG00000000740	CARD9	caspase recruitment domain family, member 9 [Source:Jamboree;Acc:XB-GENE-986414]	0.6702	0.0397
ENSXETG00000009357	CARM1	coactivator-associated arginine methyltransferase 1 [Source:Jamboree;Acc:XB-GENE-484572]	0.7809	0.0070
ENSXETG00000021868	CARS	cysteinyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5825933]	0.5670	0.0101
ENSXETG00000015968	CASC5	cancer susceptibility candidate 5 [Source:HGNC Symbol;Acc:HGNC:24054]	0.0866	0.0000
ENSXETG00000006978	CASP2	caspase 2, apoptosis-related cysteine peptidase (neural precursor cell expressed, developmentally down-regulated 2) [Source:Jamboree;Acc:XB-GENE-482390]	0.5436	0.0000
ENSXETG00000001537	CASP3	caspase 3, apoptosis-related cysteine peptidase [Source:Jamboree;Acc:XB-GENE-479960]	0.7789	0.0021
ENSXETG00000016471	CASP7	caspase 7, apoptosis-related cysteine peptidase [Source:Jamboree;Acc:XB-GENE-484041]	0.2778	0.0000
ENSXETG00000012029	CASS4	Cas scaffolding protein family member 4 [Source:Jamboree;Acc:XB-GENE-5775796]	0.2963	0.0003
ENSXETG00000007561	CAT.1	catalase, gene 1 [Source:Jamboree;Acc:XB-GENE-5918489]	0.0740	0.0000
ENSXETG00000021431	CBFA2T2	core-binding factor, runt domain, alpha subunit 2; translocated to, 2 [Source:Jamboree;Acc:XB-GENE-950034]	0.7837	0.0082
ENSXETG00000020027	CBFB	core-binding factor, beta subunit [Source:Jamboree;Acc:XB-GENE-1016003]	0.7548	0.0046
ENSXETG00000012262	CBLL1	Cas-Br-M (murine) ecotropic retroviral transforming sequence-like 1 [Source:Jamboree;Acc:XB-GENE-6458353]	0.7982	0.0146
ENSXETG00000004944	CBR4	carbonyl reductase 4 [Source:Jamboree;Acc:XB-GENE-5935857]	0.7136	0.0019
ENSXETG00000021962	CBX1	chromobox homolog 1 [Source:Jamboree;Acc:XB-GENE-1005974]	0.7137	0.0000
ENSXETG00000003005	CBX2	chromobox homolog 2 [Source:Jamboree;Acc:XB-GENE-970247]	0.5175	0.0000
ENSXETG00000012175	CBX3	chromobox homolog 3 [Source:Jamboree;Acc:XB-GENE-492315]	0.6449	0.0000
ENSXETG00000013779	CCDC102A	coiled-coil domain containing 102A [Source:Jamboree;Acc:XB-GENE-948705]	0.4451	0.0074
ENSXETG00000019437	CCDC39	coiled-coil domain containing 39 [Source:Jamboree;Acc:XB-GENE-989047]	0.8253	0.0319
ENSXETG00000003386	CCDC43	coiled-coil domain containing 43 [Source:Jamboree;Acc:XB-GENE-972630]	0.6970	0.0006
ENSXETG00000002796	CCDC58	coiled-coil domain containing 58 [Source:Jamboree;Acc:XB-GENE-5730553]	0.6141	0.0034
ENSXETG00000015797	CCDC88C	coiled-coil domain containing 88C [Source:Jamboree;Acc:XB-GENE-1033686]	0.3574	0.0000
ENSXETG00000019919	CCDC99	coiled-coil domain containing 99 [Source:Jamboree;Acc:XB-GENE-5754925]	0.7886	0.0311
ENSXETG00000001016	CCNA2	cyclin A2 [Source:Jamboree;Acc:XB-GENE-923016]	0.0797	0.0000
ENSXETG00000026059	CCNB2	cyclin B2 [Source:Jamboree;Acc:XB-GENE-1005599]	0.1038	0.0000
ENSXETG00000022597	CCNB3	cyclin B3 [Source:Jamboree;Acc:XB-GENE-920213]	0.0630	0.0000
ENSXETG00000003800	CCND1	cyclin D1 [Source:Jamboree;Acc:XB-GENE-6077306]	0.5694	0.0109
ENSXETG00000005972	CCND2	cyclin D2 [Source:Jamboree;Acc:XB-GENE-481219]	0.7903	0.0043
ENSXETG00000000267	CCNDX	cyclin Dx [Source:Jamboree;Acc:XB-GENE-483042]	0.3958	0.0013
ENSXETG00000012929	CCNE1	cyclin E1 [Source:Jamboree;Acc:XB-GENE-972042]	0.5472	0.0004
ENSXETG00000006660	CCNE2	cyclin E2 [Source:Jamboree;Acc:XB-GENE-923043]	0.7733	0.0399
ENSXETG00000012459	CCNF	cyclin F [Source:Jamboree;Acc:XB-GENE-963729]	0.5816	0.0001
ENSXETG00000006402	CCNG2	cyclin G2 [Source:Jamboree;Acc:XB-GENE-920883]	0.7804	0.0216
ENSXETG00000000488	CCNT2	cyclin T2 [Source:Jamboree;Acc:XB-GENE-5963189]	0.7596	0.0034
ENSXETG00000001410	CCT2	chaperonin containing TCP1, subunit 2 (beta) [Source:Jamboree;Acc:XB-GENE-1006535]	0.7929	0.0087
ENSXETG00000007748	CCT3	chaperonin containing TCP1, subunit 3 (gamma) [Source:Jamboree;Acc:XB-GENE-6250478]	0.7516	0.0034
ENSXETG00000002227	CCT4	chaperonin containing TCP1, subunit 4 (delta) [Source:Jamboree;Acc:XB-GENE-974483]	0.7105	0.0000
ENSXETG00000010077	CCT6A	chaperonin containing TCP1, subunit 6A (zeta 1) [Source:Jamboree;Acc:XB-GENE-987462]	0.6900	0.0000
ENSXETG00000011778	CCT7	chaperonin containing TCP1, subunit 7 (eta) [Source:Jamboree;Acc:XB-GENE-988120]	0.7311	0.0001
ENSXETG00000020262	CCT8	chaperonin containing TCP1, subunit 8 (theta) [Source:Jamboree;Acc:XB-GENE-974316]	0.7122	0.0000
ENSXETG00000016316	CD200	CD200 molecule [Source:HGNC Symbol;Acc:HGNC:7203]	0.7166	0.0465

ENSXETG00000020537	CD248	CD248 molecule, endosialin [Source:Jamboree;Acc:XB-GENE-992999]	0.5721	0.0037
ENSXETG00000022237	CD82	CD82 molecule [Source:Jamboree;Acc:XB-GENE-945242]	0.3573	0.0000
ENSXETG00000020610	CD97	CD97 molecule [Source:Jamboree;Acc:XB-GENE-952950]	0.5348	0.0000
ENSXETG00000013234	CDC14A	CDC14 cell division cycle 14 homolog A [Source:Jamboree;Acc:XB-GENE-960625]	0.7560	0.0094
ENSXETG00000025623	CDC20	cell division cycle 20 homolog [Source:Jamboree;Acc:XB-GENE-970663]	0.7016	0.0033
ENSXETG00000021310	CDC25A	cell division cycle 25 homolog A [Source:Jamboree;Acc:XB-GENE-5809292]	0.2187	0.0000
ENSXETG00000012740	CDC25B	cell division cycle 25 homolog B [Source:Jamboree;Acc:XB-GENE-1012329]	0.8260	0.0366
ENSXETG00000000595	CDC37L1	cell division cycle 37 homolog-like 1 [Source:Jamboree;Acc:XB-GENE-984706]	0.7785	0.0330
ENSXETG00000018602	CDC45	cell division cycle 45 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-976058]	0.0967	0.0000
ENSXETG00000024394	CDC6	cell division cycle 6 homolog [Source:Jamboree;Acc:XB-GENE-974720]	0.2496	0.0000
ENSXETG00000023034	CDC7	cell division cycle 7 homolog [Source:Jamboree;Acc:XB-GENE-951314]	0.3037	0.0000
ENSXETG00000006803	CDCA4	cell division cycle associated 4 [Source:Jamboree;Acc:XB-GENE-992111]	0.6518	0.0000
ENSXETG00000023094	CDCA5	cell division cycle associated 5 [Source:Jamboree;Acc:XB-GENE-5908127]	0.1954	0.0000
ENSXETG00000002167	CDCA8	cell division cycle associated 8 [Source:Jamboree;Acc:XB-GENE-946929]	0.0635	0.0000
ENSXETG00000020009	CDH5	cadherin 5, type 2, VE-cadherin (vascular epithelium) [Source:Jamboree;Acc:XB-GENE-480937]	0.4888	0.0013
ENSXETG00000003123	CDK1	cyclin-dependent kinase 1 [Source:Jamboree;Acc:XB-GENE-482750]	0.0391	0.0000
ENSXETG00000023695	CDK12	cyclin-dependent kinase 12 [Source:Jamboree;Acc:XB-GENE-493308]	0.7790	0.0288
ENSXETG00000001437	CDK4	cyclin-dependent kinase 4 [Source:Jamboree;Acc:XB-GENE-5900655]	0.6912	0.0004
ENSXETG00000019049	CDKN2AIP	CDKN2A interacting protein [Source:Jamboree;Acc:XB-GENE-984876]	0.7419	0.0473
ENSXETG00000018739	CDO1	cysteine dioxygenase, type I [Source:Jamboree;Acc:XB-GENE-998513]	0.5729	0.0000
ENSXETG00000012286	CEBPB	CCAAT/enhancer binding protein (C/EBP), beta [Source:Jamboree;Acc:XB-GENE-479779]	0.5669	0.0368
ENSXETG00000027337	CEBPG	CCAAT/enhancer binding protein (C/EBP), gamma [Source:Jamboree;Acc:XB-GENE-919758]	0.4007	0.0003
ENSXETG00000000654	CEBPZ	CCAAT/enhancer binding protein (C/EBP), zeta [Source:Jamboree;Acc:XB-GENE-853892]	0.7182	0.0027
ENSXETG00000000873	CECR2	cat eye syndrome chromosome region, candidate 2 [Source:Jamboree;Acc:XB-GENE-6461178]	0.5379	0.0000
ENSXETG00000023306	CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 [Source:Jamboree;Acc:XB-GENE-853455]	0.7237	0.0003
ENSXETG00000005197	CENPA	centromere protein A [Source:Jamboree;Acc:XB-GENE-484234]	0.6380	0.0001
ENSXETG00000021319	CENPE	centromere protein E, 312kDa [Source:Jamboree;Acc:XB-GENE-952286]	0.1778	0.0000
ENSXETG00000023124	CENPF	centromere protein F, 350/400kDa (mitosin) [Source:Jamboree;Acc:XB-GENE-1002205]	0.2212	0.0000
ENSXETG00000009626	CENPI	centromere protein I [Source:Jamboree;Acc:XB-GENE-1013447]	0.4209	0.0009
ENSXETG00000000456	CENPK	centromere protein K [Source:Jamboree;Acc:XB-GENE-965498]	0.7265	0.0463
ENSXETG00000027331	CENPM	centromere protein M [Source:Jamboree;Acc:XB-GENE-966035]	0.6010	0.0071
ENSXETG00000006717	CENPV	centromere protein V [Source:Jamboree;Acc:XB-GENE-956917]	0.7528	0.0133
ENSXETG00000008781	CEP152	centrosomal protein 152kDa [Source:Jamboree;Acc:XB-GENE-988609]	0.6167	0.0086
ENSXETG00000021289	CEP57L1	centrosomal protein 57kDa-like 1 [Source:Jamboree;Acc:XB-GENE-5897356]	0.2604	0.0000
ENSXETG00000019671	CEP76	centrosomal protein 76kDa [Source:Jamboree;Acc:XB-GENE-966809]	0.6817	0.0251
ENSXETG00000007039	CETN3	centrin, EF-hand protein, 3 [Source:Jamboree;Acc:XB-GENE-1001054]	0.7415	0.0181
ENSXETG00000021646	CFD	complement factor D (adipsin) [Source:Jamboree;Acc:XB-GENE-973605]	0.3313	0.0000
ENSXETG00000026161	CFL1	cofilin 1 (non-muscle) [Source:Jamboree;Acc:XB-GENE-1016481]	0.8292	0.0150
ENSXETG00000012301	CFL2	cofilin 2 (non-muscle) [Source:Jamboree;Acc:XB-GENE-1002956]	0.3654	0.0003
ENSXETG00000013748	CFP	complement factor properdin [Source:Jamboree;Acc:XB-GENE-5941221]	0.2614	0.0000
ENSXETG00000018063	CGA	glycoprotein hormones, alpha polypeptide [Source:Jamboree;Acc:XB-GENE-478483]	0.3782	0.0000
ENSXETG00000024157	CHAF1A	chromatin assembly factor 1, subunit A (p150) [Source:Jamboree;Acc:XB-GENE-1001155]	0.7861	0.0034
ENSXETG00000013014	CHAF1B	chromatin assembly factor 1, subunit B (p60) [Source:Jamboree;Acc:XB-GENE-996578]	0.0580	0.0000
ENSXETG00000026434	CHCHD7	coiled-coil-helix-coiled-coil-helix domain containing 7 [Source:Jamboree;Acc:XB-GENE-1001357]	0.6218	0.0056
ENSXETG00000026410	CHD4	chromodomain helicase DNA binding protein 4 [Source:Jamboree;Acc:XB-GENE-995848]	0.7210	0.0001
ENSXETG00000014861	CHEK1	CHK1 checkpoint homolog [Source:Jamboree;Acc:XB-GENE-491846]	0.5334	0.0006
ENSXETG00000021608	CHEK2	CHK2 checkpoint homolog [Source:Jamboree;Acc:XB-GENE-5765421]	0.4689	0.0000
ENSXETG00000013409	CHMP6	chromatin modifying protein 6 [Source:Jamboree;Acc:XB-GENE-973527]	0.7093	0.0002
ENSXETG00000023896	CHRNA5	cholinergic receptor, nicotinic, alpha 5 [Source:Jamboree;Acc:XB-GENE-5755296]	0.6357	0.0001
ENSXETG00000005776	CHTF18	CTF18, chromosome transmission fidelity factor 18 homolog [Source:Jamboree;Acc:XB-GENE-987602]	0.2767	0.0000
ENSXETG00000021948	CHTF8	CTF8, chromosome transmission fidelity factor 8 homolog [Source:Jamboree;Acc:XB-GENE-5729735]	0.5522	0.0004
ENSXETG00000003281	CIRBP	cold inducible RNA binding protein [Source:Jamboree;Acc:XB-GENE-492781]	0.8283	0.0209
ENSXETG00000016376	CIRH1A	cirrhosis, autosomal recessive 1A (cirhin) [Source:Jamboree;Acc:XB-GENE-977755]	0.6963	0.0001
ENSXETG00000000078	CISH	cytokine inducible SH2-containing protein [Source:Jamboree;Acc:XB-GENE-490099]	0.4418	0.0006
ENSXETG00000019718	CITED4	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 [Source:Jamboree;Acc:XB-GENE-946639]	0.7247	0.0106
ENSXETG00000020708	CKAP2	cytoskeleton associated protein 2 [Source:Jamboree;Acc:XB-GENE-1004436]	0.0395	0.0000
ENSXETG00000015421	CKS1B	CDC28 protein kinase regulatory subunit 1B [Source:Jamboree;Acc:XB-GENE-921479]	0.0917	0.0000
ENSXETG00000005228	CLCC1	chloride channel CLIC-like 1 [Source:Jamboree;Acc:XB-GENE-1010583]	0.8026	0.0270
ENSXETG00000020877	CLCF1	cardiotrophin-like cytokine factor 1 [Source:Jamboree;Acc:XB-GENE-494214]	0.4874	0.0016
ENSXETG00000015050	CLDN1	claudin 1 [Source:Jamboree;Acc:XB-GENE-951609]	0.1708	0.0000
ENSXETG00000004749	CLDN19	claudin 19 [Source:Jamboree;Acc:XB-GENE-954659]	0.1387	0.0000
ENSXETG00000007794	CLDN3	claudin 3 [Source:Jamboree;Acc:XB-GENE-972426]	0.2072	0.0043
ENSXETG00000024073	CLIC1	chloride intracellular channel 1 [Source:Jamboree;Acc:XB-GENE-479419]	0.5184	0.0001
ENSXETG00000003634	CLIC6	chloride intracellular channel 6 [Source:Jamboree;Acc:XB-GENE-6039572]	0.3336	0.0008
ENSXETG00000010623	CLK3	CDC-like kinase 3 [Source:Jamboree;Acc:XB-GENE-5861130]	0.6274	0.0000
ENSXETG00000001242	CLMP	CXADR-like membrane protein [Source:Jamboree;Acc:XB-GENE-973667]	0.4907	0.0000
ENSXETG00000010442	CLNS1A	chloride channel, nucleotide-sensitive, 1A [Source:Jamboree;Acc:XB-GENE-973104]	0.7879	0.0102
ENSXETG00000024916	CMTM7	CKLF-like MARVEL transmembrane domain containing 7 [Source:Jamboree;Acc:XB-GENE-995961]	0.4536	0.0038
ENSXETG00000025147	CNBP	CCHC-type zinc finger, nucleic acid binding protein [Source:Jamboree;Acc:XB-GENE-919590]	0.8228	0.0149
ENSXETG00000018919	CNN3	calponin 3, acidic [Source:Jamboree;Acc:XB-GENE-951266]	0.6286	0.0000
ENSXETG00000025941	CNO	cappuccino homolog (mouse) [Source:Jamboree;Acc:XB-GENE-5771057]	0.7823	0.0450
ENSXETG00000000372	CNOT6L	CCR4-NOT transcription complex, subunit 6-like [Source:Jamboree;Acc:XB-GENE-977551]	0.7674	0.0018
ENSXETG00000000701	CNOT7	CCR4-NOT transcription complex, subunit 7 [Source:Jamboree;Acc:XB-GENE-969324]	0.7720	0.0055
ENSXETG00000015847	COG4	component of oligomeric golgi complex 4 [Source:Jamboree;Acc:XB-GENE-6085196]	0.7464	0.0004
ENSXETG00000005761	COL14A1	collagen, type XIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-990916]	0.3594	0.0000
ENSXETG00000010655	COL2A1	collagen, type II, alpha 1 [Source:Jamboree;Acc:XB-GENE-6258353]	0.5895	0.0000
ENSXETG00000022341	COL5A1	collagen, type V, alpha 1 [Source:Jamboree;Acc:XB-GENE-5954567]	0.8151	0.0363
ENSXETG00000010784	COL5A2	collagen, type V, alpha 2 [Source:HGNC Symbol;Acc:HGNC:2210]	0.3281	0.0000
ENSXETG00000003154	COLEC12	collectin sub-family member 12 [Source:Jamboree;Acc:XB-GENE-984626]	0.3163	0.0000
ENSXETG00000004328	COMMD5	COMM domain containing 5 [Source:Jamboree;Acc:XB-GENE-952087]	0.7982	0.0017
ENSXETG00000006315	COMT	catechol-O-methyltransferase [Source:Jamboree;Acc:XB-GENE-948947]	0.7026	0.0027
ENSXETG00000012036	COQ10B	coenzyme Q10 homolog B [Source:Jamboree;Acc:XB-GENE-5784252]	0.3736	0.0013
ENSXETG00000008131	COX18	COX18 cytochrome c oxidase assembly homolog [Source:Jamboree;Acc:XB-GENE-1008496]	0.7607	0.0091
ENSXETG00000025853	COX7A2	cytochrome c oxidase subunit VIIa polypeptide 2 (liver) [Source:Jamboree;Acc:XB-GENE-1003868]	0.8055	0.0234
ENSXETG00000017037	CPE	carboxypeptidase E [Source:Jamboree;Acc:XB-GENE-952270]	0.6529	0.0002
ENSXETG00000001438	CPM	carboxypeptidase M [Source:Jamboree;Acc:XB-GENE-991713]	0.2931	0.0270
ENSXETG00000007428	CPNE1	copine I [Source:Jamboree;Acc:XB-GENE-982405]	0.7446	0.0013
ENSXETG00000019927	CRABP2	cellular retinoic acid binding protein 2 [Source:Jamboree;Acc:XB-GENE-959098]	0.6817	0.0011
ENSXETG00000016392	CREB1	cAMP responsive element binding protein 1 [Source:Jamboree;Acc:XB-GENE-945015]	0.7140	0.0004
ENSXETG00000022904	CRK	v-crk sarcoma virus CT10 oncogene homolog [Source:Jamboree;Acc:XB-GENE-996357]	0.7507	0.0022
ENSXETG00000020053	CRLF3	cytokine receptor-like factor 3 [Source:Jamboree;Acc:XB-GENE-997453]	0.7248	0.0212
ENSXETG00000002494	CROT	carnitine O-octanoyltransferase [Source:Jamboree;Acc:XB-GENE-988067]	0.7496	0.0060
ENSXETG00000007851	CRTAP	cartilage associated protein [Source:Jamboree;Acc:XB-GENE-1009954]	0.4904	0.0000
ENSXETG00000016951	CRY1	cryptochrome 1 (photolyase-like) [Source:Jamboree;Acc:XB-GENE-946007]	0.8367	0.0351
ENSXETG00000013865	CRYBA2	crystallin, beta A2 [Source:Jamboree;Acc:XB-GENE-965120]	0.0107	0.0000
ENSXETG00000013728	CSNK2A2	casein kinase 2, alpha prime polypeptide [Source:Jamboree;Acc:XB-GENE-487069]	0.8127	0.0196
ENSXETG00000000363	CSPG4	chondroitin sulfate proteoglycan 4 [Source:Jamboree;Acc:XB-GENE-5893460]	0.3617	0.0030
ENSXETG00000009646	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2 [Source:Jamboree;Acc:XB-GENE-951111]	0.8045	0.0074
ENSXETG00000008245	CTGF	connective tissue growth factor [Source:Jamboree;Acc:XB-GENE-855547]	0.4786	0.0000
ENSXETG00000011183	CTH	cystathionase (cystathionine gamma-lyase) [Source:Jamboree;Acc:XB-GENE-5784449]	0.4047	0.0015
ENSXETG00000008405	CTNNA1	catenin (cadherin-associated protein), alpha 1, 102kDa [Source:Jamboree;Acc:XB-GENE-479599]	0.4328	0.0000
ENSXETG00000012949	CTPS	CTP synthase [Source:Jamboree;Acc:XB-GENE-957432]	0.6460	0.0025
ENSXETG00000011748	CTSC	cathepsin C [Source:Jamboree;Acc:XB-GENE-940480]	0.7086	0.0084
ENSXETG00000023890	CTSL1	cathepsin L1 [Source:Jamboree;Acc:XB-GENE-5907229]	0.4994	0.0027

ENSXETG00000014207	CUEDC2	CUE domain containing 2 [Source:Jamboree;Acc:XB-GENE-1015746]	0.7695	0.0239
ENSXETG00000014890	CXCR4	chemokine (C-X-C motif) receptor 4 [Source:Jamboree;Acc:XB-GENE-489917]	0.5735	0.0000
ENSXETG00000003296	CXCR7	chemokine (C-X-C motif) receptor 7 [Source:Jamboree;Acc:XB-GENE-939861]	0.4988	0.0001
ENSXETG00000009054	CYB5R2	cytochrome b5 reductase 2 [Source:Jamboree;Acc:XB-GENE-1006041]	0.5791	0.0000
ENSXETG00000022592	CYB5R4	cytochrome b5 reductase 4 [Source:Jamboree;Acc:XB-GENE-984179]	0.7759	0.0313
ENSXETG00000018825	CYBRD1	cytochrome b reductase 1 [Source:Jamboree;Acc:XB-GENE-1011687]	0.7045	0.0352
ENSXETG00000027531	CYCS	cytochrome c, somatic [Source:Jamboree;Acc:XB-GENE-971588]	0.7539	0.0052
ENSXETG00000015938	CYP1C1	cytochrome P450 family 1 subfamily C polypeptide 1 [Source:RefSeq peptide;Acc:NP_001191176]	0.3267	0.0000
ENSXETG00000021546	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-991500]	0.4893	0.0000
ENSXETG00000013630	CYYR1	cysteine and tyrosine-rich 1 [Source:Jamboree;Acc:XB-GENE-854805]	0.2729	0.0000
ENSXETG00000012355	DACH1	dachshund homolog 1 [Source:Jamboree;Acc:XB-GENE-980849]	0.5512	0.0000
ENSXETG00000027492	DAPL1	death associated protein-like 1 [Source:Jamboree;Acc:XB-GENE-1014847]	0.7111	0.0043
ENSXETG00000025033	DARS	aspartyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-951509]	0.6927	0.0000
ENSXETG00000003387	DBF4B	DBF4 homolog B (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5829758]	0.7226	0.0011
ENSXETG00000014193	DBX1	developing brain homeobox 1 [Source:Jamboree;Acc:XB-GENE-480177]	0.1148	0.0000
ENSXETG00000023649	DCK.1	deoxycytidine kinase, gene 1 [Source:Jamboree;Acc:XB-GENE-956567]	0.2214	0.0000
ENSXETG00000018331	DCK.2	deoxycytidine kinase, gene 2 [Source:Jamboree;Acc:XB-GENE-5727742]	0.0940	0.0000
ENSXETG00000013186	DCLRE1B	DNA cross-link repair 1B [Source:Jamboree;Acc:XB-GENE-981156]	0.6676	0.0015
ENSXETG00000019042	DCTD	dCMP deaminase [Source:Jamboree;Acc:XB-GENE-971992]	0.2759	0.0005
ENSXETG00000018900	DCTPP1	dCTP pyrophosphatase 1 [Source:Jamboree;Acc:XB-GENE-958670]	0.5744	0.0006
ENSXETG00000006245	DDIT3	DNA-damage-inducible transcript 3 [Source:Jamboree;Acc:XB-GENE-1011286]	0.4659	0.0055
ENSXETG00000026976	DDIT4	DNA-damage-inducible transcript 4 [Source:Jamboree;Acc:XB-GENE-944276]	0.6191	0.0139
ENSXETG00000024086	DDR1	discoidin domain receptor tyrosine kinase 1 [Source:Jamboree;Acc:XB-GENE-485346]	0.4325	0.0000
ENSXETG00000003629	DDX11	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 [Source:Jamboree;Acc:XB-GENE-969935]	0.2872	0.0000
ENSXETG00000020819	DDX18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 [Source:Jamboree;Acc:XB-GENE-6085268]	0.7736	0.0442
ENSXETG00000010314	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24 [Source:Jamboree;Acc:XB-GENE-983004]	0.6447	0.0000
ENSXETG00000019762	DDX26B	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B [Source:Jamboree;Acc:XB-GENE-964063]	0.7119	0.0013
ENSXETG00000017231	DDX27	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 [Source:Jamboree;Acc:XB-GENE-923338]	0.7045	0.0010
ENSXETG00000020607	DDX39A	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A [Source:Jamboree;Acc:XB-GENE-966447]	0.5139	0.0000
ENSXETG00000011767	DDX43	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 [Source:Jamboree;Acc:XB-GENE-988016]	0.2247	0.0000
ENSXETG00000012580	DDX5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5 [Source:Jamboree;Acc:XB-GENE-1009995]	0.7728	0.0003
ENSXETG00000025903	DDX52	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52 [Source:Jamboree;Acc:XB-GENE-993518]	0.7043	0.0152
ENSXETG00000016410	DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54 [Source:Jamboree;Acc:XB-GENE-1011576]	0.8039	0.0267
ENSXETG00000005825	DDX55	DEAD (Asp-Glu-Ala-Asp) box polypeptide 55 [Source:Jamboree;Acc:XB-GENE-972462]	0.7511	0.0021
ENSXETG00000019000	DDX56	DEAD (Asp-Glu-Ala-Asp) box polypeptide 56 [Source:Jamboree;Acc:XB-GENE-941616]	0.7281	0.0267
ENSXETG00000014181	DEK	DEK oncogene [Source:Jamboree;Acc:XB-GENE-941718]	0.6875	0.0002
ENSXETG00000012376	DEPDC1	DEP domain containing 1 [Source:Jamboree;Acc:XB-GENE-1016421]	0.1246	0.0000
ENSXETG00000006073	DEPDC1B	DEP domain containing 1B [Source:Jamboree;Acc:XB-GENE-991208]	0.0468	0.0000
ENSXETG00000027988	DEPDC4	DEP domain containing 4 [Source:Jamboree;Acc:XB-GENE-6258254]	0.5588	0.0159
ENSXETG00000019275	DES.1	desmin, gene 1 [Source:Jamboree;Acc:XB-GENE-494931]	0.2278	0.0000
ENSXETG00000008945	DHCR7	7-dehydrocholesterol reductase [Source:Jamboree;Acc:XB-GENE-920362]	0.7537	0.0067
ENSXETG00000023444	DHODH	dihydroorotate dehydrogenase [Source:Jamboree;Acc:XB-GENE-967864]	0.7586	0.0125
ENSXETG00000002036	DHRS11	dehydrogenase/reductase (SDR family) member 11 [Source:Jamboree;Acc:XB-GENE-6048420]	0.6968	0.0000
ENSXETG00000014346	DHRS13	dehydrogenase/reductase (SDR family) member 13 [Source:Jamboree;Acc:XB-GENE-1006231]	0.7571	0.0260
ENSXETG00000001388	DHRS3	dehydrogenase/reductase (SDR family) member 3 [Source:Jamboree;Acc:XB-GENE-955324]	0.6574	0.0013
ENSXETG00000001202	DHX37	DEAH (Asp-Glu-Ala-His) box polypeptide 37 [Source:Jamboree;Acc:XB-GENE-986494]	0.7124	0.0110
ENSXETG00000012389	DIRAS3	DIRAS family, GTP-binding RAS-like 3 [Source:Jamboree;Acc:XB-GENE-978992]	0.6452	0.0000
ENSXETG00000002875	DLC	putative ortholog of delta-like protein C precursor (SwissPro) [Source:Jamboree;Acc:XB-GENE-968497]	0.0896	0.0000
ENSXETG00000015731	DLGAP5	discs, large homolog-associated protein 5 [Source:Jamboree;Acc:XB-GENE-481549]	0.1244	0.0000
ENSXETG00000022525	DLL1	delta-like 1 [Source:Jamboree;Acc:XB-GENE-479210]	0.3359	0.0000
ENSXETG00000021584	DLL4	delta-like 4 [Source:Jamboree;Acc:XB-GENE-480902]	0.7133	0.0245
ENSXETG00000004360	DMBX1	diencephalon/mesencephalon homeobox 1 [Source:Jamboree;Acc:XB-GENE-486746]	0.2430	0.0068
ENSXETG00000002846	DMRTA2	DMRT-like family A2 [Source:Jamboree;Acc:XB-GENE-997963]	0.4620	0.0127
ENSXETG00000007483	DNA2	DNA replication helicase 2 homolog [Source:Jamboree;Acc:XB-GENE-5828964]	0.7337	0.0014
ENSXETG00000007390	DNAJC1	DnaJ (Hsp40) homolog, subfamily C, member 1 [Source:Jamboree;Acc:XB-GENE-9504311]	0.5876	0.0000
ENSXETG00000007481	DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9 [Source:Jamboree;Acc:XB-GENE-1012221]	0.5636	0.0000
ENSXETG00000025076	DNASE2B	deoxyribonuclease II beta [Source:Jamboree;Acc:XB-GENE-980313]	0.7636	0.0040
ENSXETG00000003739	DNMBP	dynamin binding protein [Source:Jamboree;Acc:XB-GENE-967684]	0.4902	0.0000
ENSXETG00000022035	DNMT1	DNA (cytosine-5-)-methyltransferase 1 [Source:Jamboree;Acc:XB-GENE-965562]	0.7586	0.0051
ENSXETG00000019047	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1) [Source:Jamboree;Acc:XB-GENE-5968250]	0.7213	0.0294
ENSXETG00000001672	DPF2	D4, zinc and double PHD fingers family 2 [Source:Jamboree;Acc:XB-GENE-945337]	0.7224	0.0003
ENSXETG00000013835	DPH3	DPH3, KTI11 homolog [Source:Jamboree;Acc:XB-GENE-5819448]	0.4408	0.0002
ENSXETG00000020577	DPP3	dipeptidyl-peptidase 3 [Source:Jamboree;Acc:XB-GENE-5844045]	0.5882	0.0000
ENSXETG00000012718	DPYSL3	dihydropyrimidinase-like 3 [Source:Jamboree;Acc:XB-GENE-944729]	0.7841	0.0030
ENSXETG00000023585	DPYSL4	dihydropyrimidinase-like 4 [Source:Jamboree;Acc:XB-GENE-960292]	0.7843	0.0047
ENSXETG00000027990	DRAM1	DNA-damage regulated autophagy modulator 1 [Source:Jamboree;Acc:XB-GENE-489272]	0.5160	0.0002
ENSXETG00000004191	DRG1	developmentally regulated GTP binding protein 1 [Source:Jamboree;Acc:XB-GENE-980752]	0.7310	0.0128
ENSXETG00000026399	DSN1	DSN1, MIND kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-6257745]	0.7663	0.0188
ENSXETG00000020444	DSP	desmoplakin [Source:Jamboree;Acc:XB-GENE-492195]	0.4382	0.0000
ENSXETG00000003345	DTX3	protein deltex-3 [Source:RefSeq peptide;Acc:NP_001017353]	0.5306	0.0300
ENSXETG00000011970	DTX4	deltex homolog 4 [Source:Jamboree;Acc:XB-GENE-996046]	0.3311	0.0000
ENSXETG00000005925	DUS4L	dihydrouridine synthase 4-like [Source:Jamboree;Acc:XB-GENE-982821]	0.5438	0.0002
ENSXETG00000008156	DUSP4	dual specificity phosphatase 4 [Source:Jamboree;Acc:XB-GENE-1007215]	0.7681	0.0159
ENSXETG00000021428	E2F1	E2F transcription factor 1 [Source:Jamboree;Acc:XB-GENE-481741]	0.2457	0.0000
ENSXETG00000000021	E2F3	E2F transcription factor 3 [Source:Jamboree;Acc:XB-GENE-974737]	0.4248	0.0000
ENSXETG00000013780	E2F5	E2F transcription factor 5, p130-binding [Source:Jamboree;Acc:XB-GENE-481326]	0.5603	0.0000
ENSXETG00000014320	E2F7	E2F transcription factor 7 [Source:Jamboree;Acc:XB-GENE-1018445]	0.0902	0.0000
ENSXETG00000004436	E2F8	E2F transcription factor 8 [Source:Jamboree;Acc:XB-GENE-1219148]	0.1121	0.0000
ENSXETG00000010153	EBF2	early B-cell factor 2 [Source:Jamboree;Acc:XB-GENE-971136]	0.5586	0.0000
ENSXETG00000011309	EBF3	early B-cell factor 3 [Source:Jamboree;Acc:XB-GENE-962543]	0.6584	0.0000
ENSXETG00000012756	EBF4	early B-cell factor 4 [Source:Jamboree;Acc:XB-GENE-6030626]	0.6598	0.0000
ENSXETG00000009545	EBNA1BP2	EBNA1 binding protein 2 [Source:Jamboree;Acc:XB-GENE-998147]	0.6695	0.0003
ENSXETG00000020918	ECM2.1	extracellular matrix protein 2, female organ and adipocyte specific, gene 1 [Source:Jamboree;Acc:XB-GENE-951818]	0.3317	0.0130
ENSXETG00000023596	ECT2	epithelial cell transforming sequence 2 oncogene [Source:Jamboree;Acc:XB-GENE-998093]	0.1062	0.0000
ENSXETG00000011522	EDA2R	ectodysplasin A2 receptor [Source:Jamboree;Acc:XB-GENE-940659]	0.0300	0.0155
ENSXETG00000015454	EDNRB	endothelin receptor type B [Source:Jamboree;Acc:XB-GENE-963709]	0.0917	0.0000
ENSXETG00000001182	EEF1A1	eukaryotic translation elongation factor 1 alpha 1 [Source:Jamboree;Acc:XB-GENE-480094]	0.6057	0.0000
ENSXETG00000022604	EEF1A1O	eukaryotic translation elongation factor 1 alpha 1, oocyte form [Source:Jamboree;Acc:XB-GENE-1218983]	0.0733	0.0000
ENSXETG00000010098	EEF1B2	eukaryotic translation elongation factor 1 beta 2 [Source:Jamboree;Acc:XB-GENE-966955]	0.5800	0.0000
ENSXETG00000004674	EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) [Source:Jamboree;Acc:XB-GENE-958968]	0.7788	0.0010
ENSXETG00000006391	EEF2.1	eukaryotic translation elongation factor 2, gene 1 [Source:Jamboree;Acc:XB-GENE-969739]	0.8148	0.0352
ENSXETG00000003278	EFNA2	ephrin-A2 [Source:Jamboree;Acc:XB-GENE-488616]	0.7509	0.0004
ENSXETG00000013368	EGF	epidermal growth factor [Source:Jamboree;Acc:XB-GENE-951823]	0.5981	0.0000
ENSXETG00000013340	EGFL6	EGF-like-domain, multiple 6 [Source:Jamboree;Acc:XB-GENE-983966]	0.6958	0.0425
ENSXETG00000002600	EGLN2	egl nine homolog 2 [Source:Jamboree;Acc:XB-GENE-961781]	0.4959	0.0000
ENSXETG00000020093	EIF2A	eukaryotic translation initiation factor 2A, 65kDa [Source:Jamboree;Acc:XB-GENE-944996]	0.8027	0.0357
ENSXETG00000005830	EIF2B1	eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa [Source:Jamboree;Acc:XB-GENE-972471]	0.7616	0.0051
ENSXETG00000023678	EIF2D	eukaryotic translation initiation factor 2D [Source:Jamboree;Acc:XB-GENE-947279]	0.6962	0.0027
ENSXETG00000011221	EIF2S1	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa [Source:Jamboree;Acc:XB-GENE-989630]	0.6449	0.0000
ENSXETG00000010241	EIF3A	eukaryotic translation initiation factor 3, subunit A [Source:Jamboree;Acc:XB-GENE-994394]	0.8258	0.0184
ENSXETG00000020593	EIF3B	eukaryotic translation initiation factor 3, subunit B [Source:Jamboree;Acc:XB-GENE-963850]	0.7418	0.0017
ENSXETG00000003602	EIF3E	eukaryotic translation initiation factor 3, subunit E [Source:Jamboree;Acc:XB-GENE-946246]	0.7318	0.0013
ENSXETG00000027008	EIF3G	eukaryotic translation initiation factor 3, subunit G [Source:Jamboree;Acc:XB-GENE-6070198]	0.7442	0.0106
ENSXETG00000005247	EIF3I	eukaryotic translation initiation factor 3, subunit I [Source:Jamboree;Acc:XB-GENE-974377]	0.8035	0.0075
ENSXETG00000008167	EIF3M	eukaryotic translation initiation factor 3, subunit M [Source:Jamboree;Acc:XB-GENE-968605]	0.6674	0.0000

ENSXETG00000020123	EIF4A1	eukaryotic translation initiation factor 4A1 [Source:Jamboree;Acc:XB-GENE-491256]	0.7862	0.0023
ENSXETG00000001829	EIF4B	eukaryotic translation initiation factor 4B [Source:Jamboree;Acc:XB-GENE-988676]	0.8270	0.0172
ENSXETG00000009316	EIF4E	eukaryotic translation initiation factor 4E [Source:Jamboree;Acc:XB-GENE-855435]	0.8207	0.0374
ENSXETG00000025651	EIF4EBP2	eukaryotic translation initiation factor 4E binding protein 2 [Source:Jamboree;Acc:XB-GENE-485270]	0.8079	0.0082
ENSXETG00000017287	EIF4G1	eukaryotic translation initiation factor 4 gamma, 1 [Source:Jamboree;Acc:XB-GENE-986249]	0.8332	0.0443
ENSXETG00000026436	EIF5A	eukaryotic translation initiation factor 5A [Source:Jamboree;Acc:XB-GENE-998075]	0.8378	0.0219
ENSXETG00000019377	EIF5B	eukaryotic translation initiation factor 5B [Source:Jamboree;Acc:XB-GENE-6258156]	0.7169	0.0022
ENSXETG00000026867	EIF6	eukaryotic translation initiation factor 6 [Source:Jamboree;Acc:XB-GENE-868337]	0.6684	0.0065
ENSXETG00000027126	ELAC1	elaC homolog 1 [Source:Jamboree;Acc:XB-GENE-1015217]	0.6766	0.0149
ENSXETG00000001891	ELK3	ELK3, ETS-domain protein (SRF accessory protein 2) [Source:Jamboree;Acc:XB-GENE-853037]	0.5393	0.0001
ENSXETG00000016731	ELOF1	elongation factor 1 homolog [Source:Jamboree;Acc:XB-GENE-940560]	0.6114	0.0000
ENSXETG00000024641	ELOVL2	ELOVL fatty acid elongase 2 [Source:Jamboree;Acc:XB-GENE-489753]	0.7397	0.0021
ENSXETG00000017712	EMB	embigin [Source:Jamboree;Acc:XB-GENE-6258633]	0.4909	0.0000
ENSXETG00000023917	EMG1	EMG1 nucleolar protein homolog [Source:Jamboree;Acc:XB-GENE-958956]	0.7697	0.0086
ENSXETG00000001223	EMILIN1	elastin microfibril interfacer 1 [Source:Jamboree;Acc:XB-GENE-997654]	0.6871	0.0052
ENSXETG00000017316	EMILIN3	elastin microfibril interfacer 3 [Source:Jamboree;Acc:XB-GENE-982469]	0.5315	0.0378
ENSXETG00000012783	EMP2	epithelial membrane protein 2 [Source:Jamboree;Acc:XB-GENE-957163]	0.1874	0.0000
ENSXETG00000010619	EMP3	epithelial membrane protein 3 [Source:Jamboree;Acc:XB-GENE-952486]	0.2354	0.0000
ENSXETG00000022080	EMX2	empty spiracles homeobox 2 [Source:Jamboree;Acc:XB-GENE-481028]	0.5707	0.0000
ENSXETG00000014994	EN1	engrailed homeobox 1 [Source:Jamboree;Acc:XB-GENE-5737237]	0.4291	0.0424
ENSXETG00000006439	ENC1.2	ectodermal-neural cortex (with BTB-like domain), gene 2 [Source:Jamboree;Acc:XB-GENE-5914613]	0.6807	0.0000
ENSXETG00000012582	ENOPH1	enolase-phosphatase 1 [Source:Jamboree;Acc:XB-GENE-954014]	0.8201	0.0099
ENSXETG00000001534	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6 [Source:Jamboree;Acc:XB-GENE-977063]	0.3105	0.0000
ENSXETG00000014407	EPB41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked) [Source:Jamboree;Acc:XB-GENE-481625]	0.7171	0.0000
ENSXETG00000021731	EPHA2	EPH receptor A2 [Source:Jamboree;Acc:XB-GENE-5761259]	0.3872	0.0012
ENSXETG00000016749	EPPK1	epiplakin 1 [Source:Jamboree;Acc:XB-GENE-5881528]	0.3237	0.0404
ENSXETG00000002019	EPS8L3	EPS8-like 3 [Source:Jamboree;Acc:XB-GENE-982663]	0.3120	0.0294
ENSXETG00000019727	EPX	eosinophil peroxidase [Source:Jamboree;Acc:XB-GENE-6039946]	0.1428	0.0000
ENSXETG00000019633	ERAL1	Era G-protein-like 1 [Source:Jamboree;Acc:XB-GENE-5887346]	0.7831	0.0351
ENSXETG00000000448	ERBB2IP	erbb2 interacting protein [Source:Jamboree;Acc:XB-GENE-977040]	0.7270	0.0007
ENSXETG00000026664	ERCC6	excision repair cross-complementing rodent repair deficiency, complementation group 6 [Source:RefSeq peptide;Acc:NP_001016056]	0.7651	0.0046
ENSXETG00000022574	ERCC6L	excision repair cross-complementing rodent repair deficiency, complementation group 6-like [Source:Jamboree;Acc:XB-GENE-988849]	0.0850	0.0000
ENSXETG00000016659	ERI2	ERI1 exoribonuclease family member 2 [Source:Jamboree;Acc:XB-GENE-970828]	0.3337	0.0000
ENSXETG00000006017	ERRFI1	ERBB receptor feedback inhibitor 1 [Source:Jamboree;Acc:XB-GENE-1005334]	0.6288	0.0021
ENSXETG00000020442	ESCO2	establishment of cohesion 1 homolog 2 (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5955289]	0.0727	0.0000
ENSXETG00000015425	ESD	esterase D [Source:Jamboree;Acc:XB-GENE-952572]	0.7255	0.0071
ENSXETG00000012668	ESPL1	extra spindle pole bodies homolog 1 [Source:Jamboree;Acc:XB-GENE-1004361]	0.1900	0.0000
ENSXETG00000025522	ESR10	enhancer of split related 10 [Source:Jamboree;Acc:XB-GENE-6492485]	0.2081	0.0000
ENSXETG00000009481	ESYT1	extended synaptotagmin-like protein 1 [Source:Jamboree;Acc:XB-GENE-985213]	0.7687	0.0002
ENSXETG00000000736	EVX1	even-skipped homeobox 1 [Source:Jamboree;Acc:XB-GENE-483664]	0.4418	0.0000
ENSXETG00000007572	EVX2	even-skipped homeobox 2 [Source:Jamboree;Acc:XB-GENE-852923]	0.5839	0.0034
ENSXETG00000003957	EXD3	exonuclease 3'-5' domain containing 3 [Source:Jamboree;Acc:XB-GENE-6046956]	0.5507	0.0004
ENSXETG00000019032	EXO1	exonuclease 1 [Source:Jamboree;Acc:XB-GENE-982078]	0.2463	0.0000
ENSXETG00000006318	EXOSC10	exosome component 10 [Source:Jamboree;Acc:XB-GENE-946594]	0.6375	0.0000
ENSXETG00000004668	EXOSC4	exosome component 4 [Source:Jamboree;Acc:XB-GENE-969649]	0.6527	0.0115
ENSXETG00000021118	EXOSC9	exosome component 9 [Source:Jamboree;Acc:XB-GENE-992913]	0.5174	0.0000
ENSXETG00000020146	EZH2	enhancer of zeste homolog 2 [Source:Jamboree;Acc:XB-GENE-956215]	0.4908	0.0000
ENSXETG00000014574	F13B	coagulation factor 13, B polypeptide [Source:Jamboree;Acc:XB-GENE-5836257]	0.2382	0.0000
ENSXETG00000003338	F2R	coagulation factor 2 (thrombin) receptor [Source:Jamboree;Acc:XB-GENE-985799]	0.6958	0.0409
ENSXETG00000001932	F7	coagulation factor 7 (serum prothrombin conversion accelerator) [Source:Jamboree;Acc:XB-GENE-5787186]	0.1094	0.0117
ENSXETG00000023297	FABP7	fatty acid binding protein 7, brain [Source:Jamboree;Acc:XB-GENE-967704]	0.3536	0.0000
ENSXETG00000024287	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:Jamboree;Acc:XB-GENE-964392]	0.3571	0.0000
ENSXETG00000025265	FAM100B	family with sequence similarity 100, member B [Source:Jamboree;Acc:XB-GENE-987732]	0.7643	0.0024
ENSXETG00000009120	FAM107B	family with sequence similarity 107, member B [Source:Jamboree;Acc:XB-GENE-952741]	0.6616	0.0155
ENSXETG00000022076	FAM117B	family with sequence similarity 117, member B [Source:Jamboree;Acc:XB-GENE-990574]	0.7883	0.0064
ENSXETG00000005936	FAM126A	family with sequence similarity 126, member A [Source:Jamboree;Acc:XB-GENE-854836]	0.6464	0.0000
ENSXETG00000008511	FAM136A	family with sequence similarity 136, member A [Source:Jamboree;Acc:XB-GENE-943724]	0.6846	0.0076
ENSXETG00000018162	FAM151B	family with sequence similarity 151, member B [Source:Jamboree;Acc:XB-GENE-5954319]	0.4840	0.0015
ENSXETG00000014838	FAM175A	family with sequence similarity 175, member A [Source:Jamboree;Acc:XB-GENE-5730310]	0.6558	0.0000
ENSXETG00000019736	FAM185A	family with sequence similarity 185, member A [Source:Jamboree;Acc:XB-GENE-950334]	0.7709	0.0447
ENSXETG00000022020	FAM198A	family with sequence similarity 198, member A [Source:Jamboree;Acc:XB-GENE-990752]	0.4343	0.0023
ENSXETG00000011253	FAM38A	family with sequence similarity 38, member A [Source:Jamboree;Acc:XB-GENE-6050252]	0.4421	0.0000
ENSXETG00000003878	FAM53A	family with sequence similarity 53, member A [Source:Jamboree;Acc:XB-GENE-920487]	0.3989	0.0000
ENSXETG00000017718	FAM54A	family with sequence similarity 54, member A [Source:Jamboree;Acc:XB-GENE-987506]	0.2909	0.0000
ENSXETG00000002679	FAM60A	family with sequence similarity 60, member A [Source:Jamboree;Acc:XB-GENE-995755]	0.2202	0.0000
ENSXETG00000026473	FAM64A	family with sequence similarity 64, member A [Source:Jamboree;Acc:XB-GENE-983497]	0.0698	0.0000
ENSXETG00000012297	FAM65C	family with sequence similarity 65, member C [Source:Jamboree;Acc:XB-GENE-5935939]	0.5914	0.0032
ENSXETG00000012144	FAM83D	family with sequence similarity 83, member D [Source:Jamboree;Acc:XB-GENE-964363]	0.2516	0.0000
ENSXETG00000003617	FANCD2	Fanconi anemia, complementation group D2 [Source:Jamboree;Acc:XB-GENE-984801]	0.4464	0.0000
ENSXETG00000009606	FANCF	Fanconi anemia, complementation group F [Source:Jamboree;Acc:XB-GENE-5796325]	0.5340	0.0077
ENSXETG00000020481	FANCL	Fanconi anemia, complementation group L [Source:Jamboree;Acc:XB-GENE-978042]	0.4657	0.0001
ENSXETG00000007936	FARSA	phenylalanyl-tRNA synthetase, alpha subunit [Source:Jamboree;Acc:XB-GENE-946393]	0.5825	0.0000
ENSXETG00000002934	FARSB	phenylalanyl-tRNA synthetase, beta subunit [Source:Jamboree;Acc:XB-GENE-1015823]	0.4937	0.0004
ENSXETG00000017830	FBL	fibrillarin [Source:Jamboree;Acc:XB-GENE-970225]	0.6791	0.0007
ENSXETG00000013772	FBLN7	fibulin 7 [Source:Jamboree;Acc:XB-GENE-1008557]	0.4995	0.0001
ENSXETG00000001781	FBN3	fibrillin 3 [Source:Jamboree;Acc:XB-GENE-1217676]	0.7284	0.0000
ENSXETG00000017588	FBP1	fructose-1,6-bisphosphatase 1 [Source:Jamboree;Acc:XB-GENE-1002596]	0.3877	0.0004
ENSXETG00000023851	FBRSL1	fibrosin-like 1 [Source:Jamboree;Acc:XB-GENE-6464685]	0.7815	0.0029
ENSXETG00000017882	FBXO43	F-box protein 43 [Source:Jamboree;Acc:XB-GENE-951946]	0.1152	0.0000
ENSXETG00000018545	FBXO5	F-box protein 5 [Source:Jamboree;Acc:XB-GENE-953946]	0.2615	0.0019
ENSXETG00000013930	FDX1	ferredoxin 1 [Source:Jamboree;Acc:XB-GENE-990886]	0.8103	0.0493
ENSXETG00000010172	FDXACB1	ferredoxin-fold anticodon binding domain containing 1 [Source:Jamboree;Acc:XB-GENE-950096]	0.7216	0.0481
ENSXETG00000008069	FGF11	fibroblast growth factor 11 [Source:Jamboree;Acc:XB-GENE-479522]	0.6284	0.0015
ENSXETG00000014474	FGF8	fibroblast growth factor 8 (androgen-induced) [Source:Jamboree;Acc:XB-GENE-480983]	0.6545	0.0471
ENSXETG00000016775	FGFR1	fibroblast growth factor receptor 1 [Source:Jamboree;Acc:XB-GENE-1018554]	0.7135	0.0009
ENSXETG00000007231	FGFR4	fibroblast growth factor receptor 4 [Source:Jamboree;Acc:XB-GENE-478699]	0.1980	0.0000
ENSXETG00000003608	FILIP1	filamin A interacting protein 1 [Source:Jamboree;Acc:XB-GENE-1003881]	0.3241	0.0000
ENSXETG00000011679	FIP1L1	FIP1 like 1 [Source:Jamboree;Acc:XB-GENE-985496]	0.7847	0.0067
ENSXETG00000002288	FKBP10	FK506 binding protein 10, 65 kDa [Source:Jamboree;Acc:XB-GENE-1007111]	0.7046	0.0241
ENSXETG00000009816	FKBP11	FK506 binding protein 11, 19 kDa [Source:Jamboree;Acc:XB-GENE-966311]	0.7173	0.0023
ENSXETG00000008998	FKBP14	FK506 binding protein 14, 22 kDa [Source:Jamboree;Acc:XB-GENE-949902]	0.7333	0.0373
ENSXETG00000015018	FKBP7	FK506 binding protein 7 [Source:Jamboree;Acc:XB-GENE-977646]	0.3818	0.0000
ENSXETG00000022780	FLI1	Fli-1 proto-oncogene, ETS transcription factor [Source:RefSeq peptide;Acc:NP_001096189]	0.4676	0.0003
ENSXETG00000027282	FLVCR2	feline leukemia virus subgroup C cellular receptor family, member 2 [Source:Jamboree;Acc:XB-GENE-1016322]	0.5183	0.0262
ENSXETG00000010898	FN1	fibronectin 1 [Source:Jamboree;Acc:XB-GENE-484447]	0.7628	0.0232
ENSXETG00000025867	FOXA1	forkhead box A1 [Source:Jamboree;Acc:XB-GENE-487352]	0.2604	0.0000
ENSXETG00000026998	FOXA2	forkhead box A2 [Source:Jamboree;Acc:XB-GENE-480476]	0.2987	0.0000
ENSXETG00000017708	FOXB1	forkhead box B1 [Source:Jamboree;Acc:XB-GENE-1018255]	0.5669	0.0000
ENSXETG00000016387	FOXC2	forkhead box C2 (MFH-1, mesenchyme forkhead 1) [Source:Jamboree;Acc:XB-GENE-481382]	0.4204	0.0006
ENSXETG00000016818	FOXD1	forkhead box D1 [Source:Jamboree;Acc:XB-GENE-488077]	0.3288	0.0000
ENSXETG00000019549	FOXJ1	forkhead box J1 [Source:Jamboree;Acc:XB-GENE-853648]	0.6265	0.0223
ENSXETG00000024431	FOXJ1.2	forkhead box J1, gene 2 [Source:Jamboree;Acc:XB-GENE-919738]	0.3437	0.0072
ENSXETG00000001315	FOXM1	forkhead box M1 [Source:Jamboree;Acc:XB-GENE-854081]	0.0588	0.0000
ENSXETG00000014847	FOXO3	forkhead box O3 [Source:Jamboree;Acc:XB-GENE-945072]	0.7495	0.0065

ENSXETG00000011856	FOXP4	forkhead box P4 [Source:Jamboree;Acc:XB-GENE-982692]	0.4140	0.0000
ENSXETG00000008529	FOXQ1	forkhead box Q1 [Source:Jamboree;Acc:XB-GENE-483842]	0.6383	0.0139
ENSXETG00000000247	FOXRED2	FAD-dependent oxidoreductase domain containing 2 [Source:Jamboree;Acc:XB-GENE-5873019]	0.7751	0.0036
ENSXETG00000022007	FPGS	folylpolyglutamate synthase [Source:Jamboree;Acc:XB-GENE-1003162]	0.5664	0.0015
ENSXETG00000023119	FRMD8	FERM domain containing 8 [Source:Jamboree;Acc:XB-GENE-5852953]	0.6868	0.0104
ENSXETG00000001426	FRS2	fibroblast growth factor receptor substrate 2 [Source:Jamboree;Acc:XB-GENE-479760]	0.7889	0.0132
ENSXETG00000001339	FRZB	frizzled-related protein [Source:Jamboree;Acc:XB-GENE-481353]	0.6729	0.0177
ENSXETG00000000909	FSD1L	fibronectin type III and SPRY domain containing 1-like [Source:Jamboree;Acc:XB-GENE-984316]	0.7389	0.0459
ENSXETG00000005816	FTO	fat mass and obesity associated [Source:Jamboree;Acc:XB-GENE-972564]	0.5719	0.0008
ENSXETG00000006939	FTSJ3	FtsJ homolog 3 [Source:Jamboree;Acc:XB-GENE-5797493]	0.5661	0.0000
ENSXETG00000017502	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase) [Source:Jamboree;Acc:XB-GENE-976919]	0.5400	0.0006
ENSXETG00000002931	FZD10	frizzled family receptor 10 [Source:Jamboree;Acc:XB-GENE-480379]	0.3450	0.0000
ENSXETG00000008840	FZD2	frizzled family receptor 2 [Source:Jamboree;Acc:XB-GENE-487022]	0.3408	0.0000
ENSXETG00000004106	FZD6	frizzled family receptor 6 [Source:Jamboree;Acc:XB-GENE-478813]	0.5862	0.0000
ENSXETG00000014180	G2E3	G2/M-phase specific E3 ubiquitin protein ligase [Source:Jamboree;Acc:XB-GENE-999810]	0.5899	0.0001
ENSXETG00000010712	G3BP1	GTPase activating protein (SH3 domain) binding protein 1 [Source:Jamboree;Acc:XB-GENE-6036635]	0.7326	0.0002
ENSXETG00000013611	GABPA	GA binding protein transcription factor, alpha subunit 60kDa [Source:Jamboree;Acc:XB-GENE-987250]	0.7889	0.0367
ENSXETG00000016116	GABPB1	GA binding protein transcription factor, beta subunit 1 [Source:Jamboree;Acc:XB-GENE-993505]	0.7499	0.0102
ENSXETG00000012392	GADD45A	growth arrest and DNA-damage-inducible, alpha [Source:Jamboree;Acc:XB-GENE-482257]	0.5443	0.0322
ENSXETG00000026537	GADD45G	growth arrest and DNA-damage-inducible, gamma [Source:Jamboree;Acc:XB-GENE-481955]	0.4982	0.0000
ENSXETG00000012573	GALK1	galactokinase 1 [Source:Jamboree;Acc:XB-GENE-969127]	0.7835	0.0053
ENSXETG00000024114	GAR1	GAR1 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-6258514]	0.6062	0.0000
ENSXETG00000018474	GARS	glycyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-963079]	0.5808	0.0000
ENSXETG00000014148	GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase [Source:Jamboree;Acc:XB-GENE-993017]	0.7561	0.0190
ENSXETG00000016171	GATA2	GATA binding protein 2 [Source:Jamboree;Acc:XB-GENE-478165]	0.6385	0.0000
ENSXETG00000025398	GATA3	GATA binding protein 3 [Source:Jamboree;Acc:XB-GENE-485930]	0.5569	0.0000
ENSXETG00000015966	GCAT	glycine C-acetyltransferase [Source:Jamboree;Acc:XB-GENE-984769]	0.7018	0.0005
ENSXETG00000000187	GCSH	glycine cleavage system protein H (aminomethyl carrier) [Source:Jamboree;Acc:XB-GENE-956061]	0.6691	0.0001
ENSXETG00000001264	GGCX	gamma-glutamyl carboxylase [Source:Jamboree;Acc:XB-GENE-949715]	0.7367	0.0006
ENSXETG00000014248	GH1	growth hormone 1 [Source:Jamboree;Acc:XB-GENE-487882]	0.1796	0.0000
ENSXETG00000023610	GHSR	growth hormone secretagogue receptor [Source:Jamboree;Acc:XB-GENE-484475]	0.5857	0.0150
ENSXETG00000004469	GINS2	GINS complex subunit 2 (Psf2 homolog) [Source:Jamboree;Acc:XB-GENE-1003828]	0.5677	0.0000
ENSXETG00000013741	GINS3	GINS complex subunit 3 (Psf3 homolog) [Source:Jamboree;Acc:XB-GENE-998288]	0.6546	0.0123
ENSXETG00000016809	GINS4	GINS complex subunit 4 (Sld5 homolog) [Source:Jamboree;Acc:XB-GENE-949838]	0.4603	0.0000
ENSXETG00000022097	GIPC3	GIPC PDZ domain containing family, member 3 [Source:Jamboree;Acc:XB-GENE-6046859]	0.4037	0.0393
ENSXETG00000016303	GJA5	gap junction protein, alpha 5, 40kDa [Source:Jamboree;Acc:XB-GENE-490481]	0.6270	0.0473
ENSXETG00000003391	GJC1	gap junction protein, gamma 1, 45kDa [Source:Jamboree;Acc:XB-GENE-491089]	0.1250	0.0000
ENSXETG00000018610	GK	glycerol kinase [Source:Jamboree;Acc:XB-GENE-961541]	0.7878	0.0355
ENSXETG00000000543	GLDC	glycine dehydrogenase (decarboxylating) [Source:Jamboree;Acc:XB-GENE-1221322]	0.5591	0.0003
ENSXETG00000017144	GLI1.1	GLI family zinc finger 1, gene 1 [Source:Jamboree;Acc:XB-GENE-482644]	0.3079	0.0000
ENSXETG00000006226	GLI1.2	GLI family zinc finger 1, gene 2 [Source:Jamboree;Acc:XB-GENE-1000647]	0.4633	0.0217
ENSXETG00000001856	GLI3	GLI family zinc finger 3 [Source:Jamboree;Acc:XB-GENE-484855]	0.4730	0.0000
ENSXETG00000023455	GLIPR2	GLI pathogenesis-related 2 [Source:Jamboree;Acc:XB-GENE-5758336]	0.7652	0.0331
ENSXETG00000004534	GLRX2	glutaredoxin 2 [Source:Jamboree;Acc:XB-GENE-963812]	0.7354	0.0030
ENSXETG00000000380	GLUL	glutamate-ammonia ligase [Source:Jamboree;Acc:XB-GENE-5923225]	0.5933	0.0035
ENSXETG00000014814	GMNN	geminin, DNA replication inhibitor [Source:Jamboree;Acc:XB-GENE-966994]	0.2857	0.0000
ENSXETG00000005954	GMPPB	GDP-mannose pyrophosphorylase B [Source:Jamboree;Acc:XB-GENE-922650]	0.6988	0.0088
ENSXETG00000025073	GNG5	guanine nucleotide binding protein (G protein), gamma 5 [Source:Jamboree;Acc:XB-GENE-963560]	0.5365	0.0000
ENSXETG00000013901	GNGT1	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1 [Source:Jamboree;Acc:XB-GENE-952138]	0.5292	0.0071
ENSXETG00000024087	GNL1	guanine nucleotide binding protein-like 1 [Source:Jamboree;Acc:XB-GENE-481292]	0.7290	0.0018
ENSXETG00000002161	GNL2	guanine nucleotide binding protein-like 2 (nucleolar) [Source:Jamboree;Acc:XB-GENE-946916]	0.7492	0.0011
ENSXETG00000020533	GOLM1	golgi membrane protein 1 [Source:Jamboree;Acc:XB-GENE-1002584]	0.6506	0.0078
ENSXETG00000003496	GPBP1L1	GC-rich promoter binding protein 1-like 1 [Source:Jamboree;Acc:XB-GENE-941038]	0.8001	0.0367
ENSXETG00000004002	GPC2	glypican 2 [Source:Jamboree;Acc:XB-GENE-6258957]	0.4531	0.0151
ENSXETG00000005400	GPC4	glypican 4 [Source:Jamboree;Acc:XB-GENE-976427]	0.5455	0.0000
ENSXETG00000003034	GPC5	glypican 5 [Source:Jamboree;Acc:XB-GENE-6031723]	0.5242	0.0000
ENSXETG00000015784	GPR143	G protein-coupled receptor 143 [Source:Jamboree;Acc:XB-GENE-5848649]	0.6529	0.0279
ENSXETG00000026559	GPR157	G protein-coupled receptor 157 [Source:Jamboree;Acc:XB-GENE-492646]	0.5146	0.0003
ENSXETG00000002410	GPR161	G protein-coupled receptor 161 [Source:Jamboree;Acc:XB-GENE-1003408]	0.3407	0.0000
ENSXETG00000013476	GPR172B	G protein-coupled receptor 172B [Source:Jamboree;Acc:XB-GENE-5786440]	0.7506	0.0313
ENSXETG00000023749	GPR20	G protein-coupled receptor 20 [Source:Jamboree;Acc:XB-GENE-6040269]	0.3375	0.0000
ENSXETG00000019628	GPR98	G protein-coupled receptor 98 [Source:Jamboree;Acc:XB-GENE-1010012]	0.4686	0.0000
ENSXETG00000004596	GPRC5C	G protein-coupled receptor, family C, group 5, member C [Source:Jamboree;Acc:XB-GENE-923223]	0.7184	0.0003
ENSXETG00000005230	GPSM2	G-protein signaling modulator 2 [Source:Jamboree;Acc:XB-GENE-949357]	0.7897	0.0185
ENSXETG00000003895	GPT	glutamic-pyruvate transaminase (alanine aminotransferase) [Source:Jamboree;Acc:XB-GENE-998352]	0.7206	0.0036
ENSXETG00000005933	GPX1	glutathione peroxidase 1 [Source:Jamboree;Acc:XB-GENE-922630]	0.5567	0.0001
ENSXETG00000028092	GPX8	glutathione peroxidase 8 (putative) [Source:Jamboree;Acc:XB-GENE-6257701]	0.4045	0.0001
ENSXETG00000005193	GRAMD3	GRAM domain containing 3 [Source:Jamboree;Acc:XB-GENE-490792]	0.6213	0.0080
ENSXETG00000022900	GRPEL1	GrpE-like 1, mitochondrial [Source:Jamboree;Acc:XB-GENE-973857]	0.6620	0.0011
ENSXETG00000001972	GRTP1	growth hormone regulated TBC protein 1 [Source:Jamboree;Acc:XB-GENE-950226]	0.5638	0.0122
ENSXETG00000004598	GRWD1	glutamate-rich WD repeat containing 1 [Source:Jamboree;Acc:XB-GENE-986093]	0.7224	0.0004
ENSXETG00000026601	GSTO1	glutathione S-transferase omega 1 [Source:Jamboree;Acc:XB-GENE-5771576]	0.0638	0.0094
ENSXETG00000011079	GSTZ1	glutathione transferase zeta 1 [Source:Jamboree;Acc:XB-GENE-978910]	0.7776	0.0121
ENSXETG00000011784	GSX1	GS homeobox 1 [Source:Jamboree;Acc:XB-GENE-855502]	0.3649	0.0000
ENSXETG00000021030	GSX2	GS homeobox 2 [Source:Jamboree;Acc:XB-GENE-492505]	0.1696	0.0129
ENSXETG00000002001	GTPBP5	GTP binding protein 5 (putative) [Source:Jamboree;Acc:XB-GENE-974614]	0.6744	0.0199
ENSXETG00000008719	GZMH	granzyme H (cathepsin G-like 2, protein h-CCPX) [Source:Jamboree;Acc:XB-GENE-5954079]	0.7748	0.0203
ENSXETG00000024745	H1FX	H1 histone family, member X [Source:Jamboree;Acc:XB-GENE-5928644]	0.4318	0.0000
ENSXETG00000017150	H2AFY2	H2A histone family, member Y2 [Source:Jamboree;Acc:XB-GENE-1015564]	0.6506	0.0000
ENSXETG00000022641	H3F3A	Histone H3.3 [Source:UniProtKB/Swiss-Prot;Acc:Q6P823]	0.7626	0.0098
ENSXETG00000014841	HABP4	hyaluronan binding protein 4 [Source:Jamboree;Acc:XB-GENE-490018]	0.2756	0.0000
ENSXETG00000021105	HADH	hydroxyacyl-CoA dehydrogenase [Source:Jamboree;Acc:XB-GENE-1007278]	0.7465	0.0076
ENSXETG00000012489	HAP1	huntingtin-associated protein 1 [Source:Jamboree;Acc:XB-GENE-493040]	0.3482	0.0000
ENSXETG00000007569	HAPLN3	hyaluronan and proteoglycan link protein 3 [Source:Jamboree;Acc:XB-GENE-5867355]	0.1927	0.0000
ENSXETG00000002665	HARS2	histidyl-tRNA synthetase 2, mitochondrial (putative) [Source:Jamboree;Acc:XB-GENE-5941573]	0.6281	0.0000
ENSXETG00000006863	HAS2	hyaluronan synthase 2 [Source:Jamboree;Acc:XB-GENE-5775581]	0.4446	0.0336
ENSXETG00000007535	HAT1	histone acetyltransferase 1 [Source:Jamboree;Acc:XB-GENE-952148]	0.6789	0.0000
ENSXETG00000021500	HAUS1	HAUS augmin-like complex, subunit 1 [Source:Jamboree;Acc:XB-GENE-962939]	0.1836	0.0000
ENSXETG00000022630	HAUS4	HAUS augmin-like complex, subunit 4 [Source:Jamboree;Acc:XB-GENE-995661]	0.4027	0.0000
ENSXETG00000024486	HAUS6	HAUS augmin-like complex, subunit 6 [Source:Jamboree;Acc:XB-GENE-987220]	0.2338	0.0000
ENSXETG00000018379	HAUS7	HAUS augmin-like complex, subunit 7 [Source:Jamboree;Acc:XB-GENE-5773864]	0.6183	0.0000
ENSXETG00000024626	HBD	hemoglobin, delta [Source:Jamboree;Acc:XB-GENE-5844531]	0.3280	0.0000
ENSXETG00000005253	HDAC1	histone deacetylase 1 [Source:Jamboree;Acc:XB-GENE-479583]	0.6372	0.0000
ENSXETG00000019831	HDC	histidine decarboxylase [Source:Jamboree;Acc:XB-GENE-979207]	0.5694	0.0384
ENSXETG00000009013	HEATR1	HEAT repeat containing 1 [Source:Jamboree;Acc:XB-GENE-951479]	0.6924	0.0109
ENSXETG00000007323	HELB	helicase (DNA) B [Source:Jamboree;Acc:XB-GENE-6258166]	0.7402	0.0109
ENSXETG00000008830	HELLS	helicase, lymphoid-specific [Source:Jamboree;Acc:XB-GENE-5883772]	0.5364	0.0000
ENSXETG00000001831	HELQ	helicase, POLQ-like [Source:Jamboree;Acc:XB-GENE-993428]	0.5919	0.0000
ENSXETG00000016852	HES1	hairy and enhancer of split 1 [Source:Jamboree;Acc:XB-GENE-487995]	0.6923	0.0062
ENSXETG00000001163	HES2	hairy and enhancer of split 2 [Source:Jamboree;Acc:XB-GENE-486138]	0.0433	0.0002
ENSXETG00000011110	HES3.3	hairy and enhancer of split 3, gene 3 [Source:Jamboree;Acc:XB-GENE-480450]	0.2162	0.0000
ENSXETG00000001769	HES4	hairy and enhancer of split 4 [Source:Jamboree;Acc:XB-GENE-487830]	0.6912	0.0001
ENSXETG00000012081	HES5.1	hairy and enhancer of split 5, gene 1 [Source:Jamboree;Acc:XB-GENE-481135]	0.1915	0.0000
ENSXETG00000012080	HES5.2	hairy and enhancer of split 5, gene 2 [Source:Jamboree;Acc:XB-GENE-876635]	0.4447	0.0000

ENSXETG00000005911	HES6.1	hairy and enhancer of split 6, gene 1 [Source:Jamboree;Acc:XB-GENE-1018104]	0.6529	0.0000
ENSXETG00000009079	HES7.1	hairy and enhancer of split 7, gene 1 [Source:Jamboree;Acc:XB-GENE-876465]	0.0277	0.0001
ENSXETG00000022245	HES9.1	hairy and enhancer of split 9, gene 1 [Source:Jamboree;Acc:XB-GENE-5922592]	0.2045	0.0000
ENSXETG00000009916	HGD	homogentisate 1,2-dioxygenase [Source:Jamboree;Acc:XB-GENE-996013]	0.6873	0.0170
ENSXETG00000017616	HHIP	hedgehog interacting protein [Source:Jamboree;Acc:XB-GENE-487499]	0.3950	0.0000
ENSXETG00000023803	HIC1	hypermethylated in cancer 1 [Source:Jamboree;Acc:XB-GENE-989486]	0.5035	0.0015
ENSXETG00000018598	HIRA	HIR histone cell cycle regulation defective homolog A [Source:Jamboree;Acc:XB-GENE-976072]	0.8148	0.0132
ENSXETG00000027927	HIST2H3D	histone cluster 2, H3d [Source:Jamboree;Acc:XB-GENE-5889771]	0.7021	0.0010
ENSXETG00000008520	HKDC1	hexokinase domain containing 1 [Source:Jamboree;Acc:XB-GENE-1002857]	0.4341	0.0052
ENSXETG00000016916	HMGB2	high mobility group box 2 [Source:Jamboree;Acc:XB-GENE-1000246]	0.3117	0.0000
ENSXETG00000007740	HMGB3	high mobility group box 3 [Source:Jamboree;Acc:XB-GENE-1002014]	0.7981	0.0080
ENSXETG00000005084	HMGCR	3-hydroxy-3-methylglutaryl-CoA reductase [Source:Jamboree;Acc:XB-GENE-5840593]	0.7884	0.0059
ENSXETG00000025097	HMGN1	high mobility group nucleosome binding domain 1 [Source:Jamboree;Acc:XB-GENE-5782073]	0.6735	0.0000
ENSXETG00000012323	HMGN2	high mobility group nucleosomal binding domain 2 [Source:Jamboree;Acc:XB-GENE-1015271]	0.5569	0.0000
ENSXETG00000025850	HMGN3	high mobility group nucleosomal binding domain 3 [Source:Jamboree;Acc:XB-GENE-482143]	0.6592	0.0001
ENSXETG00000003287	HMHA1	histocompatibility (minor) HA-1 [Source:Jamboree;Acc:XB-GENE-990078]	0.6100	0.0000
ENSXETG00000007906	HMMR	hyaluronan-mediated motility receptor (RHAMM) [Source:Jamboree;Acc:XB-GENE-5851601]	0.0466	0.0000
ENSXETG00000003833	HNRNPA0	heterogeneous nuclear ribonucleoprotein A0 [Source:Jamboree;Acc:XB-GENE-1000573]	0.6375	0.0000
ENSXETG00000021277	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1 [Source:Jamboree;Acc:XB-GENE-493963]	0.7233	0.0000
ENSXETG00000012170	HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1 [Source:Jamboree;Acc:XB-GENE-490993]	0.8271	0.0094
ENSXETG00000001806	HNRNPA3	heterogeneous nuclear ribonucleoprotein A3 [Source:Jamboree;Acc:XB-GENE-5878765]	0.7517	0.0001
ENSXETG00000018321	HNRNPH1	heterogeneous nuclear ribonucleoprotein H1 (H) [Source:Jamboree;Acc:XB-GENE-978505]	0.7783	0.0030
ENSXETG00000023567	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9) [Source:Jamboree;Acc:XB-GENE-876768]	0.6319	0.0000
ENSXETG00000023026	HNRPDL	heterogeneous nuclear ribonucleoprotein D-like [Source:Jamboree;Acc:XB-GENE-495016]	0.8507	0.0495
ENSXETG00000004765	HOOK2	hook homolog 2 [Source:Jamboree;Acc:XB-GENE-991660]	0.8269	0.0355
ENSXETG00000000716	HOXA2	homeobox A2 [Source:Jamboree;Acc:XB-GENE-488087]	0.2738	0.0000
ENSXETG00000000717	HOXA3	homeobox A3 [Source:Jamboree;Acc:XB-GENE-482267]	0.2981	0.0000
ENSXETG00000000722	HOXA7	homeobox A7 [Source:Jamboree;Acc:XB-GENE-483655]	0.2566	0.0104
ENSXETG00000027353	HOXB2	homeobox B2 [Source:Jamboree;Acc:XB-GENE-478525]	0.2307	0.0000
ENSXETG00000021967	HOXB3	homeobox B3 [Source:Jamboree;Acc:XB-GENE-482576]	0.1576	0.0008
ENSXETG00000025183	HOXC5	homeobox C5 [Source:Jamboree;Acc:XB-GENE-485672]	0.0211	0.0165
ENSXETG00000001800	HOXD3	homeobox D3 [Source:Jamboree;Acc:XB-GENE-478462]	0.1651	0.0000
ENSXETG00000009487	HP1BP3	heterochromatin protein 1, binding protein 3 [Source:Jamboree;Acc:XB-GENE-997427]	0.7637	0.0018
ENSXETG00000003766	HPD	4-hydroxyphenylpyruvate dioxygenase [Source:Jamboree;Acc:XB-GENE-955609]	0.8177	0.0188
ENSXETG00000019215	HPGDS	hematopoietic prostaglandin D synthase [Source:Jamboree;Acc:XB-GENE-944778]	0.3201	0.0000
ENSXETG00000019581	HS3ST3A1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1 [Source:Jamboree;Acc:XB-GENE-989270]	0.6834	0.0000
ENSXETG00000007214	HS3ST6	heparan sulfate (glucosamine) 3-O-sulfotransferase 6 [Source:Jamboree;Acc:XB-GENE-966707]	0.3414	0.0000
ENSXETG00000004704	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2 [Source:Jamboree;Acc:XB-GENE-1012826]	0.2518	0.0188
ENSXETG00000016838	HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) [Source:Jamboree;Acc:XB-GENE-480060]	0.8062	0.0058
ENSXETG00000008404	HSPA9	heat shock 70kDa protein 9 (mortalin) [Source:Jamboree;Acc:XB-GENE-960228]	0.6556	0.0000
ENSXETG00000007509	HSPD1	heat shock 60kDa protein 1 (chaperonin) [Source:Jamboree;Acc:XB-GENE-980059]	0.7169	0.0001
ENSXETG00000007330	HYAL2	hyaluronoglucosaminidase 2 [Source:Jamboree;Acc:XB-GENE-5799791]	0.3388	0.0000
ENSXETG00000002253	HYI	hydroxypyruvate isomerase (putative) [Source:Jamboree;Acc:XB-GENE-5847279]	0.4670	0.0348
ENSXETG00000008032	IDH1	isocitrate dehydrogenase 1 (NADP+), soluble [Source:Jamboree;Acc:XB-GENE-1004994]	0.6683	0.0000
ENSXETG00000027622	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial [Source:Jamboree;Acc:XB-GENE-976315]	0.6418	0.0000
ENSXETG00000023129	IER5	immediate early response 5 [Source:Jamboree;Acc:XB-GENE-1004819]	0.7180	0.0264
ENSXETG00000007325	IFRD2	interferon-related developmental regulator 2 [Source:Jamboree;Acc:XB-GENE-1003246]	0.8090	0.0420
ENSXETG00000014020	IGF2	insulin-like growth factor 2 (somatomedin A) [Source:Jamboree;Acc:XB-GENE-482586]	0.5767	0.0057
ENSXETG00000007396	IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-483018]	0.2420	0.0000
ENSXETG00000014721	IGFBPL1	insulin-like growth factor binding protein-like 1 [Source:Jamboree;Acc:XB-GENE-484137]	0.6972	0.0000
ENSXETG00000014290	ILF2	interleukin enhancer binding factor 2, 45kDa [Source:Jamboree;Acc:XB-GENE-876477]	0.6899	0.0000
ENSXETG00000011651	ILF3	interleukin enhancer binding factor 3, 90kDa [Source:Jamboree;Acc:XB-GENE-494367]	0.8184	0.0066
ENSXETG00000016795	IMP4	IMP4, U3 small nucleolar ribonucleoprotein, homolog [Source:Jamboree;Acc:XB-GENE-6040852]	0.4830	0.0000
ENSXETG00000009343	IMPDH2	IMP (inosine 5'-monophosphate) dehydrogenase 2 [Source:Jamboree;Acc:XB-GENE-478728]	0.5907	0.0000
ENSXETG00000006735	INCENP	inner centromere protein antigens 135/155kDa [Source:Jamboree;Acc:XB-GENE-990398]	0.1018	0.0000
ENSXETG00000009686	INSM1	insulinoma-associated 1 [Source:Jamboree;Acc:XB-GENE-993149]	0.6182	0.0000
ENSXETG00000010721	INTS2	integrator complex subunit 2 [Source:Jamboree;Acc:XB-GENE-5787298]	0.7571	0.0119
ENSXETG00000022533	INTU	inturned planar cell polarity effector homolog [Source:Jamboree;Acc:XB-GENE-919872]	0.7097	0.0132
ENSXETG00000014621	IPO4	importin 4 [Source:Jamboree;Acc:XB-GENE-493034]	0.8056	0.0267
ENSXETG00000024201	IPO7	importin 7 [Source:Jamboree;Acc:XB-GENE-919773]	0.6921	0.0000
ENSXETG00000007974	IPO9	importin 9 [Source:Jamboree;Acc:XB-GENE-5960761]	0.7389	0.0004
ENSXETG00000020384	IQGAP3	IQ motif containing GTPase activating protein 3 [Source:Jamboree;Acc:XB-GENE-493015]	0.2913	0.0000
ENSXETG00000003631	IQSEC3	IQ motif and Sec7 domain 3 [Source:Jamboree;Acc:XB-GENE-5902559]	0.4769	0.0006
ENSXETG00000016586	IRF1	interferon regulatory factor 1 [Source:Jamboree;Acc:XB-GENE-942994]	0.5354	0.0002
ENSXETG00000006958	IRX1	iroquois homeobox 1 [Source:Jamboree;Acc:XB-GENE-486817]	0.7095	0.0002
ENSXETG00000012653	IRX2	iroquois homeobox 2 [Source:Jamboree;Acc:XB-GENE-480618]	0.7487	0.0017
ENSXETG00000005818	IRX3	iroquois homeobox 3 [Source:Jamboree;Acc:XB-GENE-480486]	0.4902	0.0000
ENSXETG00000008892	IRX4	iroquois homeobox 4 [Source:Jamboree;Acc:XB-GENE-480570]	0.5603	0.0001
ENSXETG00000002816	IRX5	iroquois homeobox 5 [Source:Jamboree;Acc:XB-GENE-484376]	0.5632	0.0000
ENSXETG00000014072	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) [Source:Jamboree;Acc:XB-GENE-960093]	0.3574	0.0000
ENSXETG00000007527	ITGA6	integrin, alpha 6 [Source:Jamboree;Acc:XB-GENE-489982]	0.5567	0.0000
ENSXETG00000002340	JAG1	jagged 1 [Source:Jamboree;Acc:XB-GENE-485662]	0.5947	0.0000
ENSXETG00000013609	JAM2	junctional adhesion molecule 2 [Source:Jamboree;Acc:XB-GENE-493973]	0.5776	0.0000
ENSXETG00000019501	JMJD6	jumonji domain containing 6 [Source:Jamboree;Acc:XB-GENE-966778]	0.7202	0.0042
ENSXETG00000000049	JMJD7	jumonji domain containing 7 [Source:Jamboree;Acc:XB-GENE-1000701]	0.7470	0.0126
ENSXETG00000012120	JMJD8	jumonji domain containing 8 [Source:Jamboree;Acc:XB-GENE-6070939]	0.6631	0.0044
ENSXETG00000003569	KARS	lysyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-943468]	0.5320	0.0000
ENSXETG00000013891	KCNJ13	potassium inwardly-rectifying channel, subfamily J, member 13 [Source:Jamboree;Acc:XB-GENE-983214]	0.2927	0.0001
ENSXETG00000009961	KCNK5	potassium channel, subfamily K, member 5 [Source:Jamboree;Acc:XB-GENE-979847]	0.3854	0.0000
ENSXETG00000019965	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1 [Source:Jamboree;Acc:XB-GENE-5921462]	0.4253	0.0046
ENSXETG00000014993	KCP	kielin/chordin-like protein [Source:Jamboree;Acc:XB-GENE-486713]	0.7641	0.0012
ENSXETG00000018588	KCTD10	potassium channel tetramerisation domain containing 10 [Source:Jamboree;Acc:XB-GENE-970871]	0.6618	0.0002
ENSXETG00000016868	KCTD15	potassium channel tetramerisation domain containing 15 [Source:Jamboree;Acc:XB-GENE-944069]	0.6574	0.0001
ENSXETG00000016053	KCTD17	potassium channel tetramerisation domain containing 17 [Source:Jamboree;Acc:XB-GENE-6035411]	0.6475	0.0001
ENSXETG00000004026	KCTD5	potassium channel tetramerisation domain containing 5 [Source:Jamboree;Acc:XB-GENE-1016270]	0.7127	0.0071
ENSXETG00000010606	KDELR2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2 [Source:Jamboree;Acc:XB-GENE-943535]	0.7968	0.0373
ENSXETG00000003698	KDM1A	lysine (K)-specific demethylase 1A [Source:Jamboree;Acc:XB-GENE-5816927]	0.7497	0.0021
ENSXETG00000017975	KDM3A	lysine (K)-specific demethylase 3A [Source:Jamboree;Acc:XB-GENE-1012801]	0.6152	0.0000
ENSXETG00000007973	KDM5B	lysine (K)-specific demethylase 5B [Source:Jamboree;Acc:XB-GENE-856240]	0.7761	0.0013
ENSXETG00000007178	KDM5C	lysine (K)-specific demethylase 5C [Source:Jamboree;Acc:XB-GENE-1033025]	0.8354	0.0251
ENSXETG00000021061	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase) [Source:Jamboree;Acc:XB-GENE-6053213]	0.5011	0.0023
ENSXETG00000005246	KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1 [Source:Jamboree;Acc:XB-GENE-479347]	0.7836	0.0015
ENSXETG00000021862	KHSRP	KH-type splicing regulatory protein [Source:Jamboree;Acc:XB-GENE-493317]	0.7775	0.0021
ENSXETG00000011707	KIAA0020	KIAA0020 [Source:Jamboree;Acc:XB-GENE-1001484]	0.5682	0.0000
ENSXETG00000027460	KIAA0101	KIAA0101 [Source:Jamboree;Acc:XB-GENE-1006964]	0.2334	0.0000
ENSXETG00000004847	KIAA0146	KIAA0146 [Source:Jamboree;Acc:XB-GENE-5813435]	0.5169	0.0001
ENSXETG00000004468	KIAA0182	KIAA0182 [Source:Jamboree;Acc:XB-GENE-5880740]	0.8006	0.0382
ENSXETG00000018910	KIAA0564	KIAA0564 [Source:Jamboree;Acc:XB-GENE-5820566]	0.5722	0.0384
ENSXETG00000013796	KIAA0895L	KIAA0895-like [Source:Jamboree;Acc:XB-GENE-6039311]	0.7973	0.0244
ENSXETG00000001833	KIAA0922	KIAA0922 [Source:Jamboree;Acc:XB-GENE-983404]	0.7890	0.0039
ENSXETG00000016909	KIAA1456	KIAA1456 [Source:Jamboree;Acc:XB-GENE-5952997]	0.7536	0.0160
ENSXETG00000000990	KIAA1522	KIAA1522 [Source:Jamboree;Acc:XB-GENE-6469276]	0.7681	0.0438
ENSXETG00000016139	KIAA1524	KIAA1524 [Source:Jamboree;Acc:XB-GENE-5926363]	0.3175	0.0000
ENSXETG00000021381	KIAA1826	KIAA1826 [Source:Jamboree;Acc:XB-GENE-5752051]	0.8034	0.0139
ENSXETG00000012213	KIF11	kinesin family member 11 [Source:Jamboree;Acc:XB-GENE-978999]	0.1199	0.0000
ENSXETG00000008497	KIF15	kinesin family member 15 [Source:Jamboree;Acc:XB-GENE-1005654]	0.1805	0.0000

ENSXETG00000004282	KIF18A	kinesin family member 18A [Source:Jamboree;Acc:XB-GENE-990470]	0.3238	0.0000
ENSXETG00000006721	KIF20A	kinesin family member 20A [Source:Jamboree;Acc:XB-GENE-967269]	0.0340	0.0000
ENSXETG00000004673	KIF22	kinesin family member 22 [Source:Jamboree;Acc:XB-GENE-979888]	0.1320	0.0000
ENSXETG00000007829	KIF23	kinesin family member 23 [Source:Jamboree;Acc:XB-GENE-999865]	0.0778	0.0000
ENSXETG00000023080	KIF26A	kinesin family member 26A [Source:Jamboree;Acc:XB-GENE-6051360]	0.7175	0.0008
ENSXETG00000013598	KIF2C	kinesin family member 2C [Source:Jamboree;Acc:XB-GENE-961445]	0.2143	0.0000
ENSXETG00000005552	KIF4A	kinesin family member 4A [Source:Jamboree;Acc:XB-GENE-5932310]	0.6649	0.0001
ENSXETG00000017738	KIF7	kinesin family member 7 [Source:Jamboree;Acc:XB-GENE-6034962]	0.7004	0.0023
ENSXETG00000001252	KIRREL2	kin of IRRE like 2 [Source:Jamboree;Acc:XB-GENE-854070]	0.6708	0.0019
ENSXETG00000004120	KLF10	Kruppel-like factor 10 [Source:Jamboree;Acc:XB-GENE-854761]	0.7862	0.0033
ENSXETG00000007622	KLHL25	kelch-like 25 [Source:Jamboree;Acc:XB-GENE-964636]	0.5472	0.0001
ENSXETG00000012118	KLHL30	kelch-like 30 [Source:Jamboree;Acc:XB-GENE-1011185]	0.4547	0.0195
ENSXETG00000015058	KLHL35	kelch-like 35 [Source:Jamboree;Acc:XB-GENE-1009038]	0.6701	0.0000
ENSXETG00000007799	KNTC1	kinetochore associated 1 [Source:Jamboree;Acc:XB-GENE-1011946]	0.1515	0.0000
ENSXETG00000001594	KPNA2	karyopherin alpha-2 subunit like [Source:Jamboree;Acc:XB-GENE-979796]	0.3017	0.0000
ENSXETG00000014717	KPNB1	karyopherin (importin) beta 1 [Source:Jamboree;Acc:XB-GENE-994068]	0.7017	0.0000
ENSXETG00000025345	KRT12	keratin family [Source:RefSeq peptide;Acc:NP_001016659]	0.1090	0.0487
ENSXETG00000012482	KRT17	keratin 17 [Source:Jamboree;Acc:XB-GENE-490369]	0.4962	0.0000
ENSXETG00000020417	KRT5.7	keratin 5, gene 7 [Source:Jamboree;Acc:XB-GENE-876869]	0.5803	0.0000
ENSXETG00000020454	KRT8	keratin 8 [Source:Jamboree;Acc:XB-GENE-876929]	0.4940	0.0000
ENSXETG00000024834	KTI12	KTI12 homolog, chromatin associated [Source:Jamboree;Acc:XB-GENE-5813863]	0.7475	0.0243
ENSXETG00000004956	LAMA1	laminin, alpha 1 [Source:Jamboree;Acc:XB-GENE-968308]	0.3814	0.0000
ENSXETG00000012279	LAMB1	laminin, beta 1 [Source:Jamboree;Acc:XB-GENE-1011014]	0.4063	0.0000
ENSXETG00000012525	LAMC1	laminin, gamma 1 [Source:Jamboree;Acc:XB-GENE-478553]	0.5993	0.0000
ENSXETG00000024963	LAMTOR1	late endosomal/lysosomal adaptor, MAPK and MTOR activator 1 [Source:Jamboree;Acc:XB-GENE-5879626]	0.8127	0.0241
ENSXETG00000024097	LARP7	La ribonucleoprotein domain family, member 7 [Source:Jamboree;Acc:XB-GENE-984850]	0.6417	0.0007
ENSXETG00000002320	LARS	leucyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-972511]	0.7312	0.0219
ENSXETG00000009599	LATS2	LATS, large tumor suppressor, homolog 2 [Source:Jamboree;Acc:XB-GENE-994907]	0.7296	0.0188
ENSXETG00000007948	LBH	limb bud and heart development homolog [Source:Jamboree;Acc:XB-GENE-5945476]	0.7218	0.0001
ENSXETG00000018551	LBR	lamin B receptor [Source:Jamboree;Acc:XB-GENE-979300]	0.2894	0.0000
ENSXETG00000025995	LCOR	ligand dependent nuclear receptor corepressor isoform 1 [Source:RefSeq peptide;Acc:NP_001182625]	0.7055	0.0011
ENSXETG00000009352	LDLR	low density lipoprotein receptor [Source:Jamboree;Acc:XB-GENE-962372]	0.6901	0.0012
ENSXETG00000003693	LDLRAP1	low density lipoprotein receptor adaptor protein 1 [Source:Jamboree;Acc:XB-GENE-954261]	0.5488	0.0016
ENSXETG00000021102	LEF1	lymphoid enhancer-binding factor 1 [Source:Jamboree;Acc:XB-GENE-485517]	0.5613	0.0094
ENSXETG00000020387	LEPR	leptin receptor [Source:Jamboree;Acc:XB-GENE-980270]	0.6560	0.0247
ENSXETG00000021768	LFNG	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Source:Jamboree;Acc:XB-GENE-487975]	0.3639	0.0052
ENSXETG00000009015	LGALS8	lectin, galactoside-binding, soluble, 8 (galectin 8) [Source:Jamboree;Acc:XB-GENE-494605]	0.6482	0.0421
ENSXETG00000016034	LHFP	lipoma HMGIC fusion partner [Source:Jamboree;Acc:XB-GENE-944757]	0.6858	0.0005
ENSXETG00000000546	LHFPL2	lipoma HMGIC fusion partner-like 2 [Source:Jamboree;Acc:XB-GENE-958342]	0.4602	0.0000
ENSXETG00000008963	LHX1	LIM homeobox 1 [Source:Jamboree;Acc:XB-GENE-482482]	0.6648	0.0000
ENSXETG00000020776	LHX2	LIM homeobox 2 [Source:Jamboree;Acc:XB-GENE-490331]	0.7866	0.0226
ENSXETG00000000726	LHX3	LIM homeobox 3 [Source:Jamboree;Acc:XB-GENE-490075]	0.1561	0.0000
ENSXETG00000017665	LHX5	LIM homeobox 5 [Source:Jamboree;Acc:XB-GENE-490400]	0.6495	0.0000
ENSXETG00000024783	LIF	leukemia inhibitory factor (cholinergic differentiation factor) [Source:Jamboree;Acc:XB-GENE-984971]	0.1022	0.0374
ENSXETG00000003251	LIMD2	LIM domain containing 2 [Source:Jamboree;Acc:XB-GENE-986974]	0.7627	0.0017
ENSXETG00000013293	LIN28B	lin-28 homolog B [Source:Jamboree;Acc:XB-GENE-1218969]	0.1742	0.0006
ENSXETG00000017560	LIN37	lin-37 homolog [Source:Jamboree;Acc:XB-GENE-994770]	0.6138	0.0012
ENSXETG00000022391	LIPG	lipase, endothelial [Source:Jamboree;Acc:XB-GENE-1011639]	0.4241	0.0269
ENSXETG00000024896	LITAF	lipopolysaccharide-induced TNF factor [Source:Jamboree;Acc:XB-GENE-1017030]	0.4861	0.0000
ENSXETG00000014034	LIX1L	Lix1 homolog-like [Source:Jamboree;Acc:XB-GENE-6040737]	0.7422	0.0006
ENSXETG00000013512	LMBR1	limb region 1 homolog [Source:Jamboree;Acc:XB-GENE-981846]	0.7276	0.0010
ENSXETG00000005162	LMNB1	lamin B1 [Source:Jamboree;Acc:XB-GENE-489658]	0.3046	0.0000
ENSXETG00000001795	LMNB2	lamin B2 [Source:Jamboree;Acc:XB-GENE-490443]	0.6799	0.0002
ENSXETG00000015792	LMNB3	lamin B3 [Source:Jamboree;Acc:XB-GENE-920613]	0.7648	0.0019
ENSXETG00000007976	LMOD1	leiomodin 1 (smooth muscle) [Source:Jamboree;Acc:XB-GENE-979212]	0.6657	0.0019
ENSXETG00000016168	LMOD3	leiomodin 3 (fetal) [Source:Jamboree;Acc:XB-GENE-5737414]	0.4830	0.0000
ENSXETG00000013183	LMX1A	LIM homeobox transcription factor 1, alpha [Source:Jamboree;Acc:XB-GENE-481569]	0.3225	0.0000
ENSXETG00000000742	LMX1B.1	LIM homeobox transcription factor 1, beta, gene 1 [Source:Jamboree;Acc:XB-GENE-494750]	0.4251	0.0000
ENSXETG00000000641	LMX1B.2	LIM homeobox transcription factor 1, beta, gene 2 [Source:Jamboree;Acc:XB-GENE-920041]	0.5016	0.0000
ENSXETG00000021888	LONP1	lon peptidase 1, mitochondrial [Source:Jamboree;Acc:XB-GENE-1013275]	0.7627	0.0129
ENSXETG00000004679	LOX	lysyl oxidase [Source:Jamboree;Acc:XB-GENE-491965]	0.3795	0.0065
ENSXETG00000020627	LPAR2	lysophosphatidic acid receptor 2 [Source:Jamboree;Acc:XB-GENE-5791365]	0.7928	0.0250
ENSXETG00000018445	LPAR4	lysophosphatidic acid receptor 4 [Source:Jamboree;Acc:XB-GENE-989373]	0.5581	0.0000
ENSXETG00000012850	LPP	LIM domain containing preferred translocation partner in lipoma [Source:Jamboree;Acc:XB-GENE-951633]	0.6777	0.0453
ENSXETG00000021653	LPPR3	lipid phosphate phosphatase-related protein type 3 [Source:Jamboree;Acc:XB-GENE-990099]	0.8276	0.0261
ENSXETG00000021481	LRIG3	leucine-rich repeats and immunoglobulin-like domains 3 [Source:Jamboree;Acc:XB-GENE-1219309]	0.4590	0.0003
ENSXETG00000024115	LRIT3	leucine-rich repeat, immunoglobulin-like and transmembrane domains 3 [Source:Jamboree;Acc:XB-GENE-6076513]	0.2405	0.0000
ENSXETG00000016214	LRP2	low density lipoprotein receptor-related protein 2 [Source:Jamboree;Acc:XB-GENE-486052]	0.6425	0.0010
ENSXETG00000010024	LRP5	low density lipoprotein receptor-related protein 5 [Source:Jamboree;Acc:XB-GENE-485117]	0.3638	0.0000
ENSXETG00000009119	LRR1	leucine rich repeat protein 1 [Source:Jamboree;Acc:XB-GENE-1006187]	0.6196	0.0352
ENSXETG00000006576	LRRC32.2	leucine rich repeat containing 32, gene 2 [Source:Jamboree;Acc:XB-GENE-6461207]	0.5405	0.0024
ENSXETG00000018013	LRRC58	leucine rich repeat containing 58 [Source:Jamboree;Acc:XB-GENE-963289]	0.7595	0.0096
ENSXETG00000013785	LRRCC1	leucine rich repeat and coiled-coil domain containing 1 [Source:Jamboree;Acc:XB-GENE-992687]	0.5667	0.0004
ENSXETG00000005147	LRRN1	leucine rich repeat neuronal 1 [Source:Jamboree;Acc:XB-GENE-492890]	0.6436	0.0000
ENSXETG00000003371	LSM12	LSM12 homolog [Source:Jamboree;Acc:XB-GENE-5780031]	0.7685	0.0291
ENSXETG00000011534	LSM3	LSM3 homolog, U6 small nuclear RNA associated [Source:Jamboree;Acc:XB-GENE-991265]	0.5832	0.0000
ENSXETG00000024933	LSM4	LSM4 homolog, U6 small nuclear RNA associated [Source:Jamboree;Acc:XB-GENE-945533]	0.7974	0.0086
ENSXETG00000022166	LSM7	LSM7 homolog, U6 small nuclear RNA associated [Source:Jamboree;Acc:XB-GENE-1008123]	0.6953	0.0086
ENSXETG00000008233	LSR	lipolysis stimulated lipoprotein receptor [Source:Jamboree;Acc:XB-GENE-5720897]	0.4039	0.0013
ENSXETG00000004899	LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) [Source:Jamboree;Acc:XB-GENE-5786978]	0.7294	0.0017
ENSXETG00000019349	LTBP1	latent transforming growth factor beta binding protein 1 [Source:Jamboree;Acc:XB-GENE-488058]	0.6863	0.0009
ENSXETG00000008431	LTBP3	latent transforming growth factor beta binding protein 3 [Source:Jamboree;Acc:XB-GENE-6050660]	0.6843	0.0085
ENSXETG00000016967	LTBP4	latent transforming growth factor beta binding protein 4 [Source:Jamboree;Acc:XB-GENE-992148]	0.2457	0.0000
ENSXETG00000009783	LTV1	LTV1 homolog [Source:Jamboree;Acc:XB-GENE-1005068]	0.7844	0.0195
ENSXETG00000008101	LYPLA1	lysophospholipase I [Source:Jamboree;Acc:XB-GENE-942736]	0.6597	0.0001
ENSXETG00000015201	LZTS2	leucine zipper, putative tumor suppressor 2 [Source:Jamboree;Acc:XB-GENE-1216151]	0.4947	0.0000
ENSXETG00000002100	MAD2L1	MAD2 mitotic arrest deficient-like 1 [Source:Jamboree;Acc:XB-GENE-947153]	0.0346	0.0000
ENSXETG00000000172	MAF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog [Source:Jamboree;Acc:XB-GENE-6053271]	0.7193	0.0017
ENSXETG00000016495	MAK16	MAK16 homolog [Source:Jamboree;Acc:XB-GENE-5928119]	0.7515	0.0070
ENSXETG00000009127	MAP4K5	mitogen-activated protein kinase kinase kinase kinase 5 [Source:RefSeq peptide;Acc:NP_001135521]	0.6864	0.0013
ENSXETG00000002479	MAP7	microtubule-associated protein 7 [Source:Jamboree;Acc:XB-GENE-961210]	0.7941	0.0062
ENSXETG00000023673	MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2 [Source:Jamboree;Acc:XB-GENE-5896875]	0.7440	0.0127
ENSXETG00000027751	MARCKS	myristoylated alanine-rich protein kinase C substrate [Source:Jamboree;Acc:XB-GENE-6258237]	0.8390	0.0253
ENSXETG00000025174	MARS	methionyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5952509]	0.4530	0.0080
ENSXETG00000019757	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) [Source:Jamboree;Acc:XB-GENE-984453]	0.4703	0.0000
ENSXETG00000018741	MASTL	microtubule associated serine/threonine kinase-like [Source:Jamboree;Acc:XB-GENE-964548]	0.4781	0.0104
ENSXETG00000001263	MAT2A	methionine adenosyltransferase II, alpha [Source:Jamboree;Acc:XB-GENE-981938]	0.6921	0.0000
ENSXETG00000013593	MBD3	methyl-CpG binding domain protein 3 [Source:Jamboree;Acc:XB-GENE-491553]	0.7013	0.0000
ENSXETG00000002911	MBIP	MAP3K12 binding inhibitory protein 1 [Source:Jamboree;Acc:XB-GENE-478230]	0.7967	0.0335
ENSXETG00000025771	MBTPS2	membrane-bound transcription factor peptidase, site 2 [Source:Jamboree;Acc:XB-GENE-953524]	0.7771	0.0463
ENSXETG00000009113	MCM10	minichromosome maintenance complex component 10 [Source:Jamboree;Acc:XB-GENE-1015391]	0.5249	0.0003
ENSXETG00000020538	MCM3	minichromosome maintenance complex component 3 [Source:Jamboree;Acc:XB-GENE-5857845]	0.5634	0.0016
ENSXETG00000004854	MCM4	minichromosome maintenance complex component 4 [Source:Jamboree;Acc:XB-GENE-1011481]	0.0909	0.0000
ENSXETG00000014891	MCM6.2	minichromosome maintenance complex component 6 [Source:Jamboree;Acc:XB-GENE-962678]	0.2739	0.0000
ENSXETG00000012868	MCM9	minichromosome maintenance complex component 9 [Source:Jamboree;Acc:XB-GENE-949288]	0.3573	0.0000

ENSXETG00000010237	MCMBP	minichromosome maintenance complex binding protein [Source:Jamboree;Acc:XB-GENE-5897999]	0.6430	0.0001
ENSXETG00000015950	MCPH1	microcephalin 1 [Source:Jamboree;Acc:XB-GENE-487210]	0.3375	0.0000
ENSXETG00000001967	MDK	midkine (neurite growth-promoting factor 2) [Source:Jamboree;Acc:XB-GENE-488502]	0.5938	0.0000
ENSXETG00000022839	MECOM	MDS1 and EVI1 complex locus [Source:Jamboree;Acc:XB-GENE-980195]	0.3288	0.0000
ENSXETG00000011847	MED20	mediator complex subunit 20 [Source:Jamboree;Acc:XB-GENE-5950042]	0.6934	0.0153
ENSXETG00000000549	MED4	mediator complex subunit 4 [Source:Jamboree;Acc:XB-GENE-972352]	0.7521	0.0479
ENSXETG00000011473	MEIS1	Meis homeobox 1 [Source:Jamboree;Acc:XB-GENE-479439]	0.7336	0.0008
ENSXETG00000002807	MEIS3	Meis homeobox 3 [Source:Jamboree;Acc:XB-GENE-485337]	0.5096	0.0000
ENSXETG00000006551	MELK	maternal embryonic leucine zipper kinase [Source:Jamboree;Acc:XB-GENE-987654]	0.1199	0.0000
ENSXETG00000012980	MESDC2	mesoderm development candidate 2 [Source:Jamboree;Acc:XB-GENE-940834]	0.7385	0.0083
ENSXETG00000010438	METTL13	methyltransferase like 13 [Source:Jamboree;Acc:XB-GENE-965488]	0.7050	0.0205
ENSXETG00000004037	METTL14	methyltransferase like 14 [Source:Jamboree;Acc:XB-GENE-5813560]	0.7952	0.0264
ENSXETG00000019432	METTL16	methyltransferase like 16 [Source:Jamboree;Acc:XB-GENE-952802]	0.7079	0.0015
ENSXETG00000012806	METTL18	methyltransferase like 18 [Source:Jamboree;Acc:XB-GENE-5811219]	0.4464	0.0001
ENSXETG00000007856	METTL2B	methyltransferase like 2B [Source:Jamboree;Acc:XB-GENE-947877]	0.5893	0.0001
ENSXETG00000017182	METTL3	methyltransferase like 3 [Source:Jamboree;Acc:XB-GENE-922807]	0.8150	0.0468
ENSXETG00000018894	METTL5	methyltransferase like 5 [Source:Jamboree;Acc:XB-GENE-985451]	0.7784	0.0028
ENSXETG00000012544	METTL6	methyltransferase like 6 [Source:Jamboree;Acc:XB-GENE-5809155]	0.7557	0.0313
ENSXETG00000022367	MEX3C	mex-3 homolog C [Source:Jamboree;Acc:XB-GENE-492459]	0.7279	0.0041
ENSXETG00000021602	MFRP	membrane frizzled-related protein [Source:Jamboree;Acc:XB-GENE-482030]	0.1640	0.0001
ENSXETG00000000396	MGC108470	MGC108470 protein precursor [Source:RefSeq peptide;Acc:NP_001015804]	0.3836	0.0204
ENSXETG00000013536	MGC147419	uncharacterized protein LOC780218 [Source:RefSeq peptide;Acc:NP_001072761]	0.5237	0.0000
ENSXETG00000025209	MGMT	O-6-methylguanine-DNA methyltransferase [Source:Jamboree;Acc:XB-GENE-941688]	0.3914	0.0000
ENSXETG00000025213	MGP	matrix Gla protein [Source:Jamboree;Acc:XB-GENE-1003218]	0.1933	0.0000
ENSXETG00000002588	MIA	melanoma inhibitory activity [Source:Jamboree;Acc:XB-GENE-974167]	0.5937	0.0000
ENSXETG00000018105	MICALL2	MICAL-like 2 [Source:Jamboree;Acc:XB-GENE-979747]	0.5644	0.0000
ENSXETG00000015715	MID1	midline 1 (Opitz/BBB syndrome) [Source:Jamboree;Acc:XB-GENE-494584]	0.7123	0.0214
ENSXETG00000003282	MIDN	midnolin [Source:Jamboree;Acc:XB-GENE-1005232]	0.6736	0.0000
ENSXETG00000002045	MINA	MYC induced nuclear antigen [Source:Jamboree;Acc:XB-GENE-982790]	0.2278	0.0000
ENSXETG00000009185	MIS12	MIS12, MIND kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-1014628]	0.6965	0.0231
ENSXETG00000019706	MIS18BP1	MIS18 binding protein 1 [Source:Jamboree;Acc:XB-GENE-6468517]	0.4411	0.0000
ENSXETG00000000839	MKI67IP	MKI67 (FHA domain) interacting nucleolar phosphoprotein [Source:Jamboree;Acc:XB-GENE-940532]	0.6528	0.0000
ENSXETG00000007391	MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 10 [Source:Jamboree;Acc:XB-GENE-6408100]	0.7460	0.0016
ENSXETG00000022190	MMP13	matrix metallopeptidase 13 (collagenase 3) [Source:Jamboree;Acc:XB-GENE-6540414]	0.6265	0.0001
ENSXETG00000008703	MMP9	matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) [Source:Jamboree;Acc:XB-GENE-876295]	0.1082	0.0000
ENSXETG00000000796	MMS22L	MMS22-like, DNA repair protein [Source:Jamboree;Acc:XB-GENE-5932293]	0.4765	0.0001
ENSXETG00000001836	MND1	meiotic nuclear divisions 1 homolog [Source:Jamboree;Acc:XB-GENE-950994]	0.1871	0.0000
ENSXETG00000012095	MOBKL1B	MOB1, Mps One Binder kinase activator-like 1B [Source:Jamboree;Acc:XB-GENE-950160]	0.6313	0.0000
ENSXETG00000013664	MOBKL2A	MOB1, Mps One Binder kinase activator-like 2A [Source:Jamboree;Acc:XB-GENE-494152]	0.6682	0.0013
ENSXETG00000009377	MOBKL2B	MOB1, Mps One Binder kinase activator-like 2B [Source:Jamboree;Acc:XB-GENE-1011429]	0.5186	0.0025
ENSXETG00000022273	MOV10L1	Mov10l1, Moloney leukemia virus 10-like 1, homolog [Source:Jamboree;Acc:XB-GENE-1217451]	0.3199	0.0195
ENSXETG00000016497	MPHOSPH10	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein) [Source:Jamboree;Acc:XB-GENE-940335]	0.7954	0.0119
ENSXETG00000018317	MPV17L2	MPV17 mitochondrial membrane protein-like 2 [Source:Jamboree;Acc:XB-GENE-1002324]	0.7173	0.0031
ENSXETG00000005331	MRC2	mannose receptor, C type 2 [Source:Jamboree;Acc:XB-GENE-486996]	0.5262	0.0000
ENSXETG00000027422	MRPL27	mitochondrial ribosomal protein L27 [Source:Jamboree;Acc:XB-GENE-993418]	0.6680	0.0016
ENSXETG00000015206	MRPL43	mitochondrial ribosomal protein L43 [Source:Jamboree;Acc:XB-GENE-1006776]	0.7482	0.0115
ENSXETG00000027254	MRPL53	mitochondrial ribosomal protein L53 [Source:Jamboree;Acc:XB-GENE-944653]	0.7226	0.0028
ENSXETG00000020699	MRPS31	mitochondrial ribosomal protein S31 [Source:Jamboree;Acc:XB-GENE-988773]	0.7104	0.0277
ENSXETG00000001312	MRPS35	mitochondrial ribosomal protein S35 [Source:Jamboree;Acc:XB-GENE-1017075]	0.7776	0.0138
ENSXETG00000027658	MRPS36	mitochondrial ribosomal protein S36 [Source:Jamboree;Acc:XB-GENE-5729393]	0.6952	0.0035
ENSXETG00000020828	MRTO4	mRNA turnover 4 homolog [Source:Jamboree;Acc:XB-GENE-948010]	0.5786	0.0000
ENSXETG00000012216	MSI1	musashi homolog 1 [Source:Jamboree;Acc:XB-GENE-490596]	0.4538	0.0000
ENSXETG00000009770	MSN	moesin [Source:Jamboree;Acc:XB-GENE-1004600]	0.5569	0.0000
ENSXETG00000016052	MSX1	msh homeobox 1 [Source:Jamboree;Acc:XB-GENE-490378]	0.1666	0.0002
ENSXETG00000003129	MTBP	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein binding protein, 104kDa [Source:Jamboree;Acc:XB-GENE-990920]	0.5824	0.0006
ENSXETG00000023001	MTF2	metal response element binding transcription factor 2 [Source:Jamboree;Acc:XB-GENE-1014957]	0.7212	0.0017
ENSXETG00000013956	MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like [Source:Jamboree;Acc:XB-GENE-1011645]	0.6957	0.0484
ENSXETG00000012094	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:Jamboree;Acc:XB-GENE-941965]	0.4388	0.0000
ENSXETG00000003563	MTHFSD	methenyltetrahydrofolate synthetase domain containing [Source:Jamboree;Acc:XB-GENE-5787582]	0.2115	0.0019
ENSXETG00000020588	MUS81	MUS81 endonuclease homolog [Source:Jamboree;Acc:XB-GENE-5904230]	0.8314	0.0173
ENSXETG00000017427	MVD	mevalonate (diphospho) decarboxylase [Source:Jamboree;Acc:XB-GENE-975218]	0.6497	0.0001
ENSXETG00000019503	MXRA7	matrix-remodelling associated 7 [Source:Jamboree;Acc:XB-GENE-953446]	0.8300	0.0140
ENSXETG00000003725	MYB	v-myb myeloblastosis viral oncogene homolog [Source:Jamboree;Acc:XB-GENE-867553]	0.1933	0.0000
ENSXETG00000012125	MYBL2	v-myb myeloblastosis viral oncogene homolog-like 2 [Source:Jamboree;Acc:XB-GENE-982419]	0.4379	0.0000
ENSXETG00000025372	MYC	v-myc myelocytomatosis viral oncogene homolog [Source:Jamboree;Acc:XB-GENE-6052814]	0.6991	0.0017
ENSXETG00000010956	MYCL1	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived [Source:Jamboree;Acc:XB-GENE-6453835]	0.5371	0.0000
ENSXETG00000026651	MYH1	myosin, heavy chain 1, skeletal muscle, adult [Source:Jamboree;Acc:XB-GENE-5835504]	0.3111	0.0101
ENSXETG00000000233	MYH9	myosin, heavy chain 9, non-muscle [Source:Jamboree;Acc:XB-GENE-1002222]	0.5083	0.0000
ENSXETG00000006917	MYL1	myosin, light chain 1, alkali; skeletal, fast [Source:Jamboree;Acc:XB-GENE-970333]	0.1111	0.0000
ENSXETG00000003682	MYL3	myosin, light chain 3, alkali; ventricular, skeletal, slow [Source:Jamboree;Acc:XB-GENE-946570]	0.2699	0.0018
ENSXETG00000025505	MYL9	myosin, light chain 9, regulatory [Source:Jamboree;Acc:XB-GENE-5949813]	0.4073	0.0000
ENSXETG00000004422	MYO1A	myosin IA [Source:Jamboree;Acc:XB-GENE-979281]	0.4517	0.0000
ENSXETG00000010446	MYOC	myocilin, trabecular meshwork inducible glucocorticoid response [Source:Jamboree;Acc:XB-GENE-6258532]	0.4542	0.0009
ENSXETG00000011499	MYT1	myelin transcription factor 1 [Source:Jamboree;Acc:XB-GENE-1009975]	0.6460	0.0000
ENSXETG00000000354	N/A	N/A	0.3157	0.0000
ENSXETG00000000493	N/A	N/A	0.5556	0.0164
ENSXETG00000000576	N/A	N/A	0.2153	0.0000
ENSXETG00000000901	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7ADH0]	0.0447	0.0003
ENSXETG00000001006	N/A	N/A	0.3266	0.0000
ENSXETG00000001279	N/A	N/A	0.2732	0.0000
ENSXETG00000001715	N/A	N/A	0.2965	0.0000
ENSXETG00000002849	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7D6Z3]	0.7054	0.0284
ENSXETG00000003093	N/A	N/A	0.4519	0.0005
ENSXETG00000003099	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7C991]	0.6765	0.0344
ENSXETG00000003136	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YFY1]	0.2820	0.0074
ENSXETG00000003700	N/A	N/A	0.6302	0.0000
ENSXETG00000004494	N/A	N/A	0.5651	0.0013
ENSXETG00000005537	N/A	N/A	0.6571	0.0002
ENSXETG00000005572	N/A	N/A	0.7997	0.0071
ENSXETG00000005639	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YU25]	0.7855	0.0038
ENSXETG00000005910	N/A	N/A	0.7634	0.0232
ENSXETG00000006293	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7A5K6]	0.2526	0.0049
ENSXETG00000006636	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U0Q2]	0.0912	0.0000
ENSXETG00000006974	N/A	N/A	0.7158	0.0025
ENSXETG00000007037	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J7V9]	0.3072	0.0357
ENSXETG00000007433	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N303]	0.4442	0.0000
ENSXETG00000007669	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6PWP4]	0.5456	0.0000
ENSXETG00000007715	N/A	N/A	0.7635	0.0375
ENSXETG00000007779	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N309]	0.3281	0.0004
ENSXETG00000007884	N/A	uncharacterized protein LOC100038305 [Source:RefSeq peptide;Acc:NP_001090879]	0.1529	0.0010
ENSXETG00000008088	N/A	N/A	0.6794	0.0033
ENSXETG00000008188	N/A	N/A	0.5709	0.0000

ENSXETG00000008283	N/A	N/A	0.7635	0.0267
ENSXETG00000008328	N/A	N/A	0.2211	0.0000
ENSXETG00000008447	N/A	N/A	0.4536	0.0100
ENSXETG00000008553	N/A	N/A	0.7272	0.0180
ENSXETG00000009203	N/A	N/A	0.5360	0.0041
ENSXETG00000009442	N/A	uncharacterized protein LOC100127867 precursor [Source:RefSeq peptide;Acc:NP_001106629]	0.6088	0.0004
ENSXETG00000009841	N/A	N/A	0.1186	0.0000
ENSXETG00000010419	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YY56]	0.6030	0.0000
ENSXETG00000010504	N/A	N/A	0.5830	0.0000
ENSXETG00000010668	N/A	N/A	0.5459	0.0047
ENSXETG00000010685	N/A	N/A	0.8187	0.0370
ENSXETG00000010890	N/A	N/A	0.4348	0.0146
ENSXETG00000011112	N/A	novel helix-loop-helix DNA binding domain protein [Source:RefSeq peptide;Acc:NP_001037951]	0.0680	0.0027
ENSXETG00000011448	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7EI34]	0.3181	0.0422
ENSXETG00000011669	N/A	N/A	0.4507	0.0000
ENSXETG00000012168	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N3B4]	0.6073	0.0066
ENSXETG00000013191	N/A	N/A	0.1139	0.0170
ENSXETG00000013521	N/A	N/A	0.3094	0.0000
ENSXETG00000013709	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J862]	0.7366	0.0025
ENSXETG00000013810	N/A	N/A	0.0365	0.0000
ENSXETG00000014690	N/A	N/A	0.4991	0.0247
ENSXETG00000014777	N/A	opsin-VA-like [Source:RefSeq peptide;Acc:NP_001265680]	0.6069	0.0128
ENSXETG00000015200	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7A074]	0.6182	0.0159
ENSXETG00000015608	N/A	N/A	0.6166	0.0171
ENSXETG00000015882	N/A	N/A	0.6242	0.0071
ENSXETG00000017104	N/A	N/A	0.1095	0.0190
ENSXETG00000018459	N/A	N/A	0.6367	0.0007
ENSXETG00000018578	N/A	N/A	0.1159	0.0000
ENSXETG00000018867	N/A	N/A	0.7970	0.0129
ENSXETG00000019005	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6VD39]	0.5297	0.0006
ENSXETG00000019054	N/A	N/A	0.7137	0.0370
ENSXETG00000019103	N/A	N/A	0.4264	0.0000
ENSXETG00000019406	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CCX7]	0.2981	0.0006
ENSXETG00000019411	N/A	N/A	0.5146	0.0000
ENSXETG00000019414	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CCU3]	0.3007	0.0005
ENSXETG00000019451	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Z7H1]	0.7159	0.0000
ENSXETG00000019594	N/A	N/A	0.3785	0.0007
ENSXETG00000019741	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CY94]	0.4387	0.0093
ENSXETG00000020180	N/A	N/A	0.4548	0.0000
ENSXETG00000020482	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DPN9]	0.5956	0.0028
ENSXETG00000021078	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6ZB06]	0.7814	0.0008
ENSXETG00000021165	N/A	N/A	0.7572	0.0012
ENSXETG00000021349	N/A	N/A	0.4437	0.0208
ENSXETG00000021705	N/A	N/A	0.6296	0.0080
ENSXETG00000021786	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T577]	0.7368	0.0024
ENSXETG00000021805	N/A	N/A	0.2001	0.0000
ENSXETG00000022061	N/A	N/A	0.5880	0.0065
ENSXETG00000022064	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q7T3]	0.6197	0.0022
ENSXETG00000023382	N/A	N/A	0.6359	0.0351
ENSXETG00000023790	N/A	N/A	0.8063	0.0285
ENSXETG00000023941	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DDR5]	0.5840	0.0002
ENSXETG00000024075	N/A	N/A	0.3154	0.0000
ENSXETG00000024090	N/A	N/A	0.5526	0.0000
ENSXETG00000024413	N/A	N/A	0.7664	0.0047
ENSXETG00000024495	N/A	N/A	0.8318	0.0225
ENSXETG00000024600	N/A	N/A	0.3307	0.0019
ENSXETG00000024633	N/A	uncharacterized protein LOC100135367 [Source:RefSeq peptide;Acc:NP_001107511]	0.4968	0.0035
ENSXETG00000024639	N/A	N/A	0.7971	0.0390
ENSXETG00000024879	N/A	N/A	0.4312	0.0000
ENSXETG00000024912	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7D824]	0.6005	0.0476
ENSXETG00000024968	N/A	N/A	0.2224	0.0053
ENSXETG00000025046	N/A	N/A	0.6246	0.0058
ENSXETG00000025085	N/A	N/A	0.4364	0.0290
ENSXETG00000025123	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N344]	0.3331	0.0473
ENSXETG00000025145	N/A	Dimethylaniline monooxygenase [N-oxide-forming] [Source:UniProtKB/TrEMBL;Acc:F6TKY1]	0.7217	0.0430
ENSXETG00000025268	N/A	N/A	0.2708	0.0000
ENSXETG00000025483	N/A	N/A	0.7018	0.0047
ENSXETG00000025627	N/A	N/A	0.5305	0.0289
ENSXETG00000025817	N/A	N/A	0.5430	0.0000
ENSXETG00000025852	N/A	N/A	0.5199	0.0000
ENSXETG00000026082	N/A	N/A	0.5382	0.0000
ENSXETG00000026105	N/A	N/A	0.6609	0.0131
ENSXETG00000026160	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Y745]	0.4170	0.0017
ENSXETG00000026181	N/A	N/A	0.7530	0.0313
ENSXETG00000026214	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YWQ7]	0.3230	0.0004
ENSXETG00000026889	N/A	N/A	0.7892	0.0179
ENSXETG00000027082	N/A	N/A	0.8396	0.0416
ENSXETG00000027093	N/A	uncharacterized protein LOC100170590 [Source:RefSeq peptide;Acc:NP_001123834]	0.6273	0.0014
ENSXETG00000027258	N/A	N/A	0.1554	0.0000
ENSXETG00000027561	N/A	uncharacterized protein LOC100145695 [Source:RefSeq peptide;Acc:NP_001120541]	0.5879	0.0000
ENSXETG00000027836	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WCH7]	0.5086	0.0419
ENSXETG00000028006	N/A	N/A	0.7340	0.0069
ENSXETG00000028037	N/A	uncharacterized protein LOC100135188 [Source:RefSeq peptide;Acc:NP_001107363]	0.8233	0.0224
ENSXETG00000029277	N/A	N/A	0.5508	0.0000
XLOC_000094	N/A	N/A	0.3309	0.0001
XLOC_000141	N/A	N/A	0.8005	0.0253
XLOC_000678	N/A	N/A	0.2445	0.0008
XLOC_000681	N/A	N/A	0.0237	0.0140
XLOC_000802	N/A	N/A	0.6963	0.0117
XLOC_001617	N/A	N/A	0.6091	0.0004
XLOC_001797	N/A	N/A	0.1624	0.0214
XLOC_001821	N/A	N/A	0.2235	0.0444
XLOC_001902	N/A	N/A	0.3998	0.0002
XLOC_001980	N/A	N/A	0.2814	0.0011
XLOC_002390	N/A	N/A	0.5823	0.0001
XLOC_002493	N/A	N/A	0.6196	0.0191
XLOC_002616	N/A	N/A	0.4461	0.0000
XLOC_002710	N/A	N/A	0.7053	0.0265
XLOC_002820	N/A	N/A	0.3730	0.0020
XLOC_002824	N/A	N/A	0.0633	0.0000
XLOC_002844	N/A	N/A	0.7406	0.0052
XLOC_002910	N/A	N/A	0.3931	0.0000
XLOC_002911	N/A	N/A	0.4338	0.0302
XLOC_003040	N/A	N/A	0.6810	0.0000
XLOC_003347	N/A	N/A	0.2283	0.0000
XLOC_003362	N/A	N/A	0.3960	0.0015

XLOC_003593	N/A	N/A	0.7753	0.0246
XLOC_003634	N/A	N/A	0.4955	0.0000
XLOC_004178	N/A	N/A	0.6096	0.0299
XLOC_004386	N/A	N/A	0.7873	0.0273
XLOC_004427	N/A	N/A	0.2114	0.0000
XLOC_004789	N/A	N/A	0.4375	0.0390
XLOC_004926	N/A	N/A	0.7785	0.0328
XLOC_005136	N/A	N/A	0.2589	0.0059
XLOC_005260	N/A	N/A	0.6576	0.0000
XLOC_005321	N/A	N/A	0.6931	0.0296
XLOC_005399	N/A	N/A	0.3622	0.0001
XLOC_005690	N/A	N/A	0.7152	0.0281
XLOC_005691	N/A	N/A	0.7192	0.0296
XLOC_005983	N/A	N/A	0.5703	0.0123
XLOC_006007	N/A	N/A	0.7445	0.0269
XLOC_006163	N/A	N/A	0.6103	0.0043
XLOC_006217	N/A	N/A	0.4590	0.0000
XLOC_006303	N/A	N/A	0.8370	0.0310
XLOC_006385	N/A	N/A	0.3721	0.0000
XLOC_006685	N/A	N/A	0.1947	0.0002
XLOC_007028	N/A	N/A	0.4765	0.0304
XLOC_007319	N/A	N/A	0.6134	0.0039
XLOC_007587	N/A	N/A	0.5856	0.0038
XLOC_008012	N/A	N/A	0.7420	0.0116
XLOC_008267	N/A	N/A	0.6358	0.0003
XLOC_008638	N/A	N/A	0.0251	0.0016
XLOC_008769	N/A	N/A	0.2989	0.0000
XLOC_008773	N/A	N/A	0.1214	0.0000
XLOC_009052	N/A	N/A	0.4190	0.0035
XLOC_009191	N/A	N/A	0.0583	0.0209
XLOC_009194	N/A	N/A	0.2966	0.0412
XLOC_009297	N/A	N/A	0.6938	0.0001
XLOC_009557	N/A	N/A	0.6796	0.0009
XLOC_009901	N/A	N/A	0.6258	0.0000
XLOC_009986	N/A	N/A	0.3925	0.0427
XLOC_010407	N/A	N/A	0.3162	0.0000
XLOC_010679	N/A	N/A	0.3787	0.0005
XLOC_010881	N/A	N/A	0.2771	0.0000
XLOC_010925	N/A	N/A	0.5788	0.0006
XLOC_011312	N/A	N/A	0.7641	0.0080
XLOC_011684	N/A	N/A	0.3801	0.0000
XLOC_011781	N/A	N/A	0.4254	0.0000
XLOC_011982	N/A	N/A	0.0834	0.0101
XLOC_012821	N/A	N/A	0.2001	0.0488
XLOC_013001	N/A	N/A	0.4847	0.0001
XLOC_013095	N/A	N/A	0.3754	0.0253
XLOC_013135	N/A	N/A	0.7647	0.0500
XLOC_013203	N/A	N/A	0.4687	0.0188
XLOC_013746	N/A	N/A	0.3880	0.0002
XLOC_013832	N/A	N/A	0.5005	0.0294
XLOC_013989	N/A	N/A	0.7173	0.0223
XLOC_014048	N/A	N/A	0.2665	0.0000
XLOC_014055	N/A	N/A	0.7210	0.0213
XLOC_014077	N/A	N/A	0.5059	0.0097
XLOC_014177	N/A	N/A	0.5621	0.0274
XLOC_014318	N/A	N/A	0.3692	0.0000
XLOC_014458	N/A	N/A	0.7556	0.0310
XLOC_014543	N/A	N/A	0.5145	0.0164
XLOC_014555	N/A	N/A	0.7690	0.0030
XLOC_014562	N/A	N/A	0.6762	0.0000
XLOC_014585	N/A	N/A	0.6082	0.0001
XLOC_014755	N/A	N/A	0.8169	0.0260
XLOC_014771	N/A	N/A	0.5336	0.0000
XLOC_014787	N/A	N/A	0.7514	0.0040
XLOC_014982	N/A	N/A	0.7134	0.0037
XLOC_015091	N/A	N/A	0.3429	0.0006
XLOC_015118	N/A	N/A	0.5885	0.0079
XLOC_015452	N/A	N/A	0.0831	0.0000
XLOC_015497	N/A	N/A	0.1947	0.0099
XLOC_015504	N/A	N/A	0.6774	0.0007
XLOC_015892	N/A	N/A	0.5581	0.0003
XLOC_015935	N/A	N/A	0.1606	0.0000
XLOC_015944	N/A	N/A	0.8053	0.0259
XLOC_016292	N/A	N/A	0.5322	0.0001
XLOC_016345	N/A	N/A	0.7748	0.0193
XLOC_016528	N/A	N/A	0.7518	0.0101
XLOC_016809	N/A	N/A	0.4140	0.0000
XLOC_016825	N/A	N/A	0.6132	0.0080
XLOC_016927	N/A	N/A	0.6437	0.0120
XLOC_017024	N/A	N/A	0.4287	0.0000
XLOC_017336	N/A	N/A	0.4467	0.0000
XLOC_017369	N/A	N/A	0.7169	0.0138
XLOC_017375	N/A	N/A	0.5043	0.0052
XLOC_017481	N/A	N/A	0.7412	0.0172
XLOC_017531	N/A	N/A	0.6606	0.0209
XLOC_017804	N/A	N/A	0.7975	0.0168
XLOC_017843	N/A	N/A	0.7688	0.0048
XLOC_017864	N/A	N/A	0.7929	0.0244
XLOC_017868	N/A	N/A	0.6319	0.0000
XLOC_018162	N/A	N/A	0.7443	0.0012
XLOC_018223	N/A	N/A	0.3537	0.0000
XLOC_018227	N/A	N/A	0.6989	0.0002
XLOC_018502	N/A	N/A	0.2405	0.0001
XLOC_018862	N/A	N/A	0.5342	0.0461
XLOC_018863	N/A	N/A	0.4839	0.0207
XLOC_019007	N/A	N/A	0.5458	0.0000
XLOC_019308	N/A	N/A	0.6990	0.0065
XLOC_019411	N/A	N/A	0.6773	0.0423
XLOC_019422	N/A	N/A	0.6554	0.0309
XLOC_019432	N/A	N/A	0.5995	0.0000
XLOC_019478	N/A	N/A	0.2628	0.0000
XLOC_019481	N/A	N/A	0.4442	0.0002
XLOC_019482	N/A	N/A	0.1589	0.0122
XLOC_019630	N/A	N/A	0.6064	0.0211
XLOC_019667	N/A	N/A	0.6294	0.0283
XLOC_019731	N/A	N/A	0.6396	0.0008

XLOC_019751	N/A	N/A	0.6957	0.0088
XLOC_020052	N/A	N/A	0.5665	0.0001
XLOC_020054	N/A	N/A	0.0857	0.0000
XLOC_020464	N/A	N/A	0.0692	0.0000
XLOC_020548	N/A	N/A	0.3016	0.0001
XLOC_020731	N/A	N/A	0.7164	0.0037
XLOC_020741	N/A	N/A	0.6134	0.0002
XLOC_020791	N/A	N/A	0.5818	0.0006
XLOC_021534	N/A	N/A	0.4325	0.0232
XLOC_021724	N/A	N/A	0.5567	0.0000
XLOC_021796	N/A	N/A	0.3296	0.0002
XLOC_021862	N/A	N/A	0.6720	0.0019
XLOC_022003	N/A	N/A	0.6760	0.0200
XLOC_022010	N/A	N/A	0.6760	0.0200
XLOC_022308	N/A	N/A	0.1183	0.0000
XLOC_023423	N/A	N/A	0.5862	0.0000
XLOC_023540	N/A	N/A	0.4261	0.0014
XLOC_023802	N/A	N/A	0.1227	0.0009
XLOC_024223	N/A	N/A	0.5374	0.0000
XLOC_024230	N/A	N/A	0.7249	0.0031
XLOC_024262	N/A	N/A	0.4869	0.0000
XLOC_024308	N/A	N/A	0.2339	0.0000
XLOC_024508	N/A	N/A	0.4077	0.0084
XLOC_024578	N/A	N/A	0.5100	0.0006
XLOC_024848	N/A	N/A	0.4009	0.0003
XLOC_024873	N/A	N/A	0.6427	0.0000
XLOC_024916	N/A	N/A	0.4924	0.0000
XLOC_024930	N/A	N/A	0.7500	0.0028
XLOC_025026	N/A	N/A	0.1715	0.0001
XLOC_025532	N/A	N/A	0.7887	0.0127
XLOC_025696	N/A	N/A	0.7086	0.0026
XLOC_025897	N/A	N/A	0.6904	0.0051
XLOC_025928	N/A	N/A	0.5157	0.0007
XLOC_026151	N/A	N/A	0.5609	0.0039
XLOC_026412	N/A	N/A	0.7247	0.0096
XLOC_026754	N/A	N/A	0.0883	0.0000
XLOC_027302	N/A	N/A	0.7664	0.0152
XLOC_027318	N/A	N/A	0.7779	0.0465
XLOC_027465	N/A	N/A	0.0548	0.0000
XLOC_027504	N/A	N/A	0.4688	0.0370
XLOC_027693	N/A	N/A	0.6887	0.0000
XLOC_027855	N/A	N/A	0.6222	0.0000
XLOC_027862	N/A	N/A	0.5434	0.0000
XLOC_027868	N/A	N/A	0.5178	0.0003
XLOC_027869	N/A	N/A	0.6364	0.0350
XLOC_028062	N/A	N/A	0.7395	0.0092
XLOC_028544	N/A	N/A	0.6810	0.0001
XLOC_028642	N/A	N/A	0.6459	0.0187
XLOC_028653	N/A	N/A	0.5491	0.0017
XLOC_028863	N/A	N/A	0.7843	0.0350
XLOC_028869	N/A	N/A	0.3112	0.0002
XLOC_028971	N/A	N/A	0.3506	0.0011
XLOC_029112	N/A	N/A	0.7958	0.0220
XLOC_029148	N/A	N/A	0.1963	0.0004
XLOC_029447	N/A	N/A	0.0987	0.0005
XLOC_029670	N/A	N/A	0.0456	0.0051
XLOC_029674	N/A	N/A	0.7707	0.0046
XLOC_029679	N/A	N/A	0.7387	0.0060
XLOC_029682	N/A	N/A	0.0732	0.0000
XLOC_029741	N/A	N/A	0.6774	0.0051
XLOC_029913	N/A	N/A	0.6893	0.0005
XLOC_030068	N/A	N/A	0.5220	0.0012
XLOC_030071	N/A	N/A	0.8150	0.0375
XLOC_030074	N/A	N/A	0.5731	0.0012
XLOC_030156	N/A	N/A	0.5676	0.0003
XLOC_030355	N/A	N/A	0.5789	0.0059
XLOC_030718	N/A	N/A	0.5922	0.0065
XLOC_031002	N/A	N/A	0.5404	0.0050
XLOC_031106	N/A	N/A	0.4995	0.0000
XLOC_031353	N/A	N/A	0.6625	0.0313
XLOC_031420	N/A	N/A	0.5429	0.0080
XLOC_031421	N/A	N/A	0.2618	0.0000
XLOC_031447	N/A	N/A	0.2349	0.0000
XLOC_031911	N/A	N/A	0.6491	0.0158
XLOC_031974	N/A	N/A	0.7938	0.0232
XLOC_032126	N/A	N/A	0.7124	0.0001
XLOC_032258	N/A	N/A	0.1574	0.0000
XLOC_032446	N/A	N/A	0.4458	0.0209
XLOC_032674	N/A	N/A	0.0815	0.0000
XLOC_032678	N/A	N/A	0.2492	0.0000
XLOC_032909	N/A	N/A	0.1153	0.0000
XLOC_032925	N/A	N/A	0.5685	0.0030
XLOC_033222	N/A	N/A	0.5678	0.0027
XLOC_033267	N/A	N/A	0.2563	0.0025
XLOC_033466	N/A	N/A	0.0390	0.0000
XLOC_033579	N/A	N/A	0.4007	0.0047
XLOC_033586	N/A	N/A	0.5360	0.0001
XLOC_033629	N/A	N/A	0.1496	0.0412
XLOC_033950	N/A	N/A	0.7909	0.0076
XLOC_034545	N/A	N/A	0.3861	0.0029
XLOC_034615	N/A	N/A	0.5641	0.0007
XLOC_034789	N/A	N/A	0.4777	0.0270
XLOC_035008	N/A	N/A	0.3643	0.0000
XLOC_035012	N/A	N/A	0.3215	0.0000
XLOC_035027	N/A	N/A	0.0798	0.0000
XLOC_035105	N/A	N/A	0.4961	0.0005
XLOC_035249	N/A	N/A	0.2793	0.0000
XLOC_035326	N/A	N/A	0.5765	0.0127
XLOC_035483	N/A	N/A	0.7690	0.0066
XLOC_036205	N/A	N/A	0.5218	0.0070
XLOC_036298	N/A	N/A	0.7464	0.0465
XLOC_036626	N/A	N/A	0.4994	0.0052
XLOC_037131	N/A	N/A	0.3129	0.0003
XLOC_037212	N/A	N/A	0.0825	0.0000
XLOC_037497	N/A	N/A	0.7784	0.0228
XLOC_037516	N/A	N/A	0.5263	0.0000

XLOC_037631	N/A	N/A	0.6956	0.0020
XLOC_037903	N/A	N/A	0.4151	0.0000
XLOC_038082	N/A	N/A	0.1261	0.0000
XLOC_038083	N/A	N/A	0.0596	0.0000
XLOC_038426	N/A	N/A	0.5817	0.0000
XLOC_038594	N/A	N/A	0.1624	0.0000
XLOC_038595	N/A	N/A	0.1480	0.0000
XLOC_038753	N/A	N/A	0.1262	0.0000
XLOC_038805	N/A	N/A	0.8141	0.0080
XLOC_039026	N/A	N/A	0.1990	0.0000
XLOC_039241	N/A	N/A	0.5461	0.0041
XLOC_039264	N/A	N/A	0.6612	0.0037
XLOC_039502	N/A	N/A	0.7809	0.0265
XLOC_039552	N/A	N/A	0.7329	0.0047
XLOC_039813	N/A	N/A	0.6155	0.0079
XLOC_040003	N/A	N/A	0.7832	0.0257
XLOC_040032	N/A	N/A	0.5783	0.0012
XLOC_040130	N/A	N/A	0.1953	0.0358
XLOC_040433	N/A	N/A	0.7447	0.0043
XLOC_040523	N/A	N/A	0.6287	0.0241
XLOC_040619	N/A	N/A	0.6664	0.0000
XLOC_040812	N/A	N/A	0.2889	0.0002
XLOC_040815	N/A	N/A	0.0948	0.0000
XLOC_040828	N/A	N/A	0.3294	0.0003
XLOC_041015	N/A	N/A	0.6911	0.0470
XLOC_041389	N/A	N/A	0.3729	0.0322
XLOC_041645	N/A	N/A	0.1747	0.0000
XLOC_041704	N/A	N/A	0.3939	0.0000
XLOC_041725	N/A	N/A	0.4386	0.0000
XLOC_041728	N/A	N/A	0.4061	0.0000
XLOC_041831	N/A	N/A	0.2908	0.0000
XLOC_041889	N/A	N/A	0.2010	0.0088
XLOC_042219	N/A	N/A	0.0563	0.0000
XLOC_042376	N/A	N/A	0.5553	0.0405
XLOC_042390	N/A	N/A	0.5760	0.0040
XLOC_042473	N/A	N/A	0.7003	0.0215
XLOC_042521	N/A	N/A	0.4751	0.0088
XLOC_042653	N/A	N/A	0.4860	0.0009
XLOC_042744	N/A	N/A	0.7383	0.0023
XLOC_042803	N/A	N/A	0.4969	0.0029
XLOC_043007	N/A	N/A	0.4217	0.0000
XLOC_043649	N/A	N/A	0.4414	0.0015
XLOC_043654	N/A	N/A	0.5586	0.0035
XLOC_044119	N/A	N/A	0.5414	0.0002
XLOC_044254	N/A	N/A	0.6636	0.0137
XLOC_044255	N/A	N/A	0.6212	0.0005
XLOC_045346	N/A	N/A	0.3225	0.0318
XLOC_045433	N/A	N/A	0.5869	0.0001
ENSXETG00000006733	N4BP3	NEDD4 binding protein 3 [Source:Jamboree;Acc:XB-GENE-988982]	0.5970	0.0139
ENSXETG00000021724	NAA10	N(alpha)-acetyltransferase 10, NatA catalytic subunit [Source:Jamboree;Acc:XB-GENE-966356]	0.7759	0.0064
ENSXETG00000016900	NAA15	N(alpha)-acetyltransferase 15, NatA auxiliary subunit [Source:Jamboree;Acc:XB-GENE-960101]	0.7330	0.0008
ENSXETG00000002713	NAA40	N(alpha)-acetyltransferase 40, NatD catalytic subunit, homolog [Source:Jamboree;Acc:XB-GENE-5846020]	0.6635	0.0000
ENSXETG00000009909	NAA50	N(alpha)-acetyltransferase 50, NatE catalytic subunit [Source:Jamboree;Acc:XB-GENE-996002]	0.7560	0.0221
ENSXETG00000011728	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2 [Source:Jamboree;Acc:XB-GENE-954117]	0.4198	0.0077
ENSXETG00000004407	NACA.2	nascent polypeptide-associated complex alpha subunit [Source:Jamboree;Acc:XB-GENE-969062]	0.6730	0.0001
ENSXETG00000013323	NAP1L1	nucleosome assembly protein 1-like 1 [Source:Jamboree;Acc:XB-GENE-484197]	0.8420	0.0454
ENSXETG00000002892	NAPSA	napsin A aspartic peptidase [Source:Jamboree;Acc:XB-GENE-947098]	0.5381	0.0256
ENSXETG00000003498	NASP	nuclear autoantigenic sperm protein (histone-binding) [Source:Jamboree;Acc:XB-GENE-980254]	0.6981	0.0000
ENSXETG00000002389	NAT8L	N-acetyltransferase 8-like (GCN5-related, putative) [Source:Jamboree;Acc:XB-GENE-5817008]	0.6996	0.0000
ENSXETG00000023826	NCAPG	non-SMC condensin I complex, subunit G [Source:Jamboree;Acc:XB-GENE-5783775]	0.2980	0.0000
ENSXETG00000007162	NCAPG2	non-SMC condensin II complex, subunit G2 [Source:Jamboree;Acc:XB-GENE-1002744]	0.4388	0.0000
ENSXETG00000001245	NCAPH	non-SMC condensin I complex, subunit H [Source:Jamboree;Acc:XB-GENE-5738397]	0.2092	0.0000
ENSXETG00000023090	NCAPH2	non-SMC condensin II complex, subunit H2 [Source:Jamboree;Acc:XB-GENE-993063]	0.1150	0.0000
ENSXETG00000010179	NCBP1	nuclear cap binding protein subunit 1, 80kDa [Source:Jamboree;Acc:XB-GENE-5841194]	0.7664	0.0246
ENSXETG00000012530	NCF2	neutrophil cytosolic factor 2 [Source:Jamboree;Acc:XB-GENE-482959]	0.5703	0.0225
ENSXETG00000021669	NCK2	NCK adaptor protein 2 [Source:Jamboree;Acc:XB-GENE-6083355]	0.6017	0.0000
ENSXETG00000009517	NCL	nucleolin [Source:Jamboree;Acc:XB-GENE-989986]	0.6920	0.0000
ENSXETG00000020840	NDC80	NDC80 homolog, kinetochore complex component [Source:Jamboree;Acc:XB-GENE-997352]	0.2624	0.0000
ENSXETG00000005528	NDE1	nudE nuclear distribution gene E homolog 1 (A. nidulans) [Source:Jamboree;Acc:XB-GENE-1005616]	0.7626	0.0457
ENSXETG00000000256	NDUFA6	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa [Source:Jamboree;Acc:XB-GENE-1002262]	0.8529	0.0405
ENSXETG00000024755	NDUFAF3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 3 [Source:Jamboree;Acc:XB-GENE-999944]	0.6275	0.0000
ENSXETG00000022674	NDUFAF4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4 [Source:Jamboree;Acc:XB-GENE-5852768]	0.6091	0.0062
ENSXETG00000025316	NDUFB7	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa [Source:Jamboree;Acc:XB-GENE-1005640]	0.7657	0.0047
ENSXETG00000010108	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase) [Source:Jamboree;Acc:XB-GENE-961231]	0.7355	0.0001
ENSXETG00000023384	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase) [Source:Jamboree;Acc:XB-GENE-947419]	0.8017	0.0321
ENSXETG00000021683	NEDD1	neural precursor cell expressed, developmentally down-regulated 1 [Source:Jamboree;Acc:XB-GENE-489625]	0.7459	0.0121
ENSXETG00000015461	NEDD9	neural precursor cell expressed, developmentally down-regulated 9 [Source:Jamboree;Acc:XB-GENE-490926]	0.7023	0.0303
ENSXETG00000023886	NEIL1	nei endonuclease VIII-like 1 [Source:Jamboree;Acc:XB-GENE-1013384]	0.6114	0.0102
ENSXETG00000019915	NES	nestin [Source:Jamboree;Acc:XB-GENE-490506]	0.2507	0.0000
ENSXETG00000004295	NEUROD4	neurogenic differentiation 4 [Source:Jamboree;Acc:XB-GENE-972704]	0.2526	0.0000
ENSXETG00000007898	NEUROG1	neurogenin 1 [Source:Jamboree;Acc:XB-GENE-491452]	0.0245	0.0000
ENSXETG00000024100	NEUROG2	neurogenin 2 [Source:Jamboree;Acc:XB-GENE-491040]	0.1201	0.0000
ENSXETG00000026423	NEUROG3	neurogenin 3 [Source:Jamboree;Acc:XB-GENE-876279]	0.0389	0.0007
ENSXETG00000012174	NFE2L3	nuclear factor (erythroid-derived 2)-like 3 [Source:Jamboree;Acc:XB-GENE-483338]	0.7015	0.0004
ENSXETG00000000013	NFKB2	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) [Source:Jamboree;Acc:XB-GENE-970084]	0.7015	0.0174
ENSXETG00000011865	NFYA	nuclear transcription factor Y, alpha [Source:Jamboree;Acc:XB-GENE-942007]	0.8200	0.0284
ENSXETG00000019656	NFYB	nuclear transcription factor Y, beta [Source:Jamboree;Acc:XB-GENE-1006106]	0.7696	0.0300
ENSXETG00000025363	NFYC	nuclear transcription factor Y, gamma [Source:Jamboree;Acc:XB-GENE-1218938]	0.7588	0.0009
ENSXETG00000014562	NGDN	neuroguidin, EIF4E binding protein [Source:Jamboree;Acc:XB-GENE-946309]	0.7130	0.0028
ENSXETG00000023872	NGFR	nerve growth factor receptor [Source:Jamboree;Acc:XB-GENE-947583]	0.4905	0.0457
ENSXETG00000005841	NHLH1	nescient helix loop helix 1 [Source:Jamboree;Acc:XB-GENE-989790]	0.5232	0.0000
ENSXETG00000016032	NHLRC3	NHL repeat containing 3 [Source:Jamboree;Acc:XB-GENE-988782]	0.7474	0.0019
ENSXETG00000006731	NHP2	NHP2 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-973261]	0.5567	0.0000
ENSXETG00000001112	NHS	Nance-Horan syndrome (congenital cataracts and dental anomalies) [Source:Jamboree;Acc:XB-GENE-5872334]	0.5294	0.0042
ENSXETG00000016220	NID1	nidogen 1 [Source:Jamboree;Acc:XB-GENE-1003556]	0.4918	0.0000
ENSXETG00000012198	NID2	nidogen 2 (osteonidogen) [Source:Jamboree;Acc:XB-GENE-967329]	0.6665	0.0040
ENSXETG00000008516	NIF	low molecular weight neuronal intermediate filament [Source:Jamboree;Acc:XB-GENE-876557]	0.7373	0.0002
ENSXETG00000016467	NIN	ninein (GSK3B interacting protein) [Source:Jamboree;Acc:XB-GENE-954251]	0.7822	0.0168
ENSXETG00000012699	NIT1	nitrilase 1 [Source:Jamboree;Acc:XB-GENE-975428]	0.5375	0.0000
ENSXETG00000012908	NKAIN1	Na+/K+ transporting ATPase interacting 1 [Source:Jamboree;Acc:XB-GENE-946558]	0.5997	0.0000
ENSXETG00000023499	NKX2-2	NK2 homeobox 2 [Source:Jamboree;Acc:XB-GENE-482219]	0.6715	0.0009
ENSXETG00000002908	NKX2-8	NK2 homeobox 8 [Source:Jamboree;Acc:XB-GENE-853981]	0.1672	0.0018
ENSXETG00000013227	NKX6-1	NK6 homeobox 1 [Source:Jamboree;Acc:XB-GENE-483574]	0.3592	0.0000

ENSXETG00000023614	NKX6-2	NK6 homeobox 2 [Source:Jamboree;Acc:XB-GENE-484527]	0.3595	0.0000
ENSXETG00000013488	NLE1	notchless homolog 1 [Source:Jamboree;Acc:XB-GENE-984059]	0.5108	0.0020
ENSXETG00000011349	NLK.2	nemo-like kinase, gene 2 [Source:Jamboree;Acc:XB-GENE-1218923]	0.7868	0.0190
ENSXETG00000000451	NLN	neurolysin (metallopeptidase M3 family) [Source:Jamboree;Acc:XB-GENE-960645]	0.7136	0.0002
ENSXETG00000027727	NMD3	NMD3 homolog [Source:Jamboree;Acc:XB-GENE-942228]	0.6971	0.0003
ENSXETG00000020975	NOC3L	nucleolar complex associated 3 homolog [Source:Jamboree;Acc:XB-GENE-5957761]	0.6712	0.0001
ENSXETG00000002153	NOL6	nucleolar protein family 6 (RNA-associated) [Source:Jamboree;Acc:XB-GENE-994692]	0.7729	0.0081
ENSXETG00000010014	NOLC1	nucleolar and coiled-body phosphoprotein 1 [Source:Jamboree;Acc:XB-GENE-6454592]	0.6519	0.0003
ENSXETG00000021611	NOM1	nucleolar protein with MIF4G domain 1 [Source:Jamboree;Acc:XB-GENE-5954463]	0.7578	0.0023
ENSXETG00000020868	NONO	non-POU domain containing, octamer-binding [Source:Jamboree;Acc:XB-GENE-1002494]	0.7182	0.0001
ENSXETG00000014711	NOP14	NOP14 nucleolar protein homolog [Source:Jamboree;Acc:XB-GENE-992782]	0.7249	0.0015
ENSXETG00000011515	NOP2	NOP2 nucleolar protein homolog [Source:Jamboree;Acc:XB-GENE-962291]	0.6825	0.0003
ENSXETG00000014962	NOP56	NOP56 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-5879910]	0.5898	0.0000
ENSXETG00000022073	NOP58	NOP58 ribonucleoprotein homolog [Source:Jamboree;Acc:XB-GENE-990556]	0.5959	0.0000
ENSXETG00000000757	NOTCH1	notch 1 [Source:Jamboree;Acc:XB-GENE-479318]	0.4600	0.0000
ENSXETG00000002570	NOTCH3	notch 3 [Source:Jamboree;Acc:XB-GENE-6450008]	0.6580	0.0000
ENSXETG00000003001	NOTUM	notum pectinacetylesterase homolog [Source:Jamboree;Acc:XB-GENE-996986]	0.4465	0.0000
ENSXETG00000007216	NOXO1	NADPH oxidase organizer 1 [Source:Jamboree;Acc:XB-GENE-987621]	0.5919	0.0000
ENSXETG00000024016	NR4A2	nuclear receptor subfamily 4, group A, member 2 [Source:Jamboree;Acc:XB-GENE-480893]	0.7648	0.0250
ENSXETG00000021449	NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog [Source:Jamboree;Acc:XB-GENE-6085898]	0.6975	0.0032
ENSXETG00000016306	NRF1	nuclear respiratory factor 1 [Source:Jamboree;Acc:XB-GENE-980602]	0.7690	0.0139
ENSXETG00000005077	NSA2	NSA2 ribosome biogenesis homolog [Source:Jamboree;Acc:XB-GENE-478113]	0.6130	0.0000
ENSXETG00000025443	NSMCE1	non-SMC element 1 homolog [Source:Jamboree;Acc:XB-GENE-1006456]	0.6581	0.0064
ENSXETG00000001732	NSUN2	NOP2/Sun domain family, member 2 [Source:Jamboree;Acc:XB-GENE-962623]	0.7327	0.0011
ENSXETG00000013678	NT5DC2	5'-nucleotidase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25717]	0.8364	0.0462
ENSXETG00000018955	NT5DC4	5'-nucleotidase domain containing 4 [Source:Jamboree;Acc:XB-GENE-5867778]	0.2790	0.0000
ENSXETG00000014390	NTN1	netrin 1 precursor [Source:RefSeq peptide;Acc:NP_001072385]	0.5162	0.0000
ENSXETG00000019519	NTN1	netrin 1 [Source:Jamboree;Acc:XB-GENE-989335]	0.6322	0.0001
ENSXETG00000020288	NTN3	netrin 3 [Source:Jamboree;Acc:XB-GENE-960264]	0.3442	0.0000
ENSXETG00000000974	NUAK2	NUAK family, SNF1-like kinase, 2 [Source:Jamboree;Acc:XB-GENE-5857794]	0.2362	0.0000
ENSXETG00000001000	NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1 [Source:Jamboree;Acc:XB-GENE-490974]	0.7495	0.0001
ENSXETG00000016542	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1 [Source:Jamboree;Acc:XB-GENE-975736]	0.1495	0.0000
ENSXETG00000006153	NUDT13	nudix (nucleoside diphosphate linked moiety X)-type motif 13 [Source:Jamboree;Acc:XB-GENE-987788]	0.6090	0.0116
ENSXETG00000010463	NUF2	NUF2, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-1001441]	0.1273	0.0000
ENSXETG00000001244	NUP133	nucleoporin 133kDa [Source:Jamboree;Acc:XB-GENE-999348]	0.5549	0.0030
ENSXETG00000010597	NUP205	nucleoporin 205kDa [Source:Jamboree;Acc:XB-GENE-1009711]	0.5933	0.0000
ENSXETG00000016373	NUP43	nucleoporin 43kDa [Source:Jamboree;Acc:XB-GENE-1017294]	0.7306	0.0032
ENSXETG00000027060	NUP85	nucleoporin 85kDa [Source:Jamboree;Acc:XB-GENE-1008050]	0.7777	0.0418
ENSXETG00000018461	NUP93	nucleoporin 93kDa [Source:Jamboree;Acc:XB-GENE-5823109]	0.6973	0.0077
ENSXETG00000027499	NUSAP1	nucleolar and spindle associated protein 1 [Source:Jamboree;Acc:XB-GENE-479486]	0.0645	0.0000
ENSXETG00000003732	O3FAR1	omega-3 fatty acid receptor 1 [Source:Jamboree;Acc:XB-GENE-954927]	0.5995	0.0013
ENSXETG00000011674	OCIAD2	OCIA domain containing 2 [Source:Jamboree;Acc:XB-GENE-966006]	0.2173	0.0377
ENSXETG00000003519	ODC1	ornithine decarboxylase 1 [Source:Jamboree;Acc:XB-GENE-478945]	0.5565	0.0000
ENSXETG00000023668	OGG1	8-oxoguanine DNA glycosylase [Source:Jamboree;Acc:XB-GENE-995809]	0.5769	0.0003
ENSXETG00000022490	OLIG3	oligodendrocyte transcription factor 3 [Source:Jamboree;Acc:XB-GENE-919789]	0.1283	0.0000
ENSXETG00000018240	OPA3	optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia) [Source:Jamboree;Acc:XB-GENE-941637]	0.8027	0.0394
ENSXETG00000021718	ORC4	origin recognition complex, subunit 4 [Source:Jamboree;Acc:XB-GENE-1012480]	0.6268	0.0001
ENSXETG00000003891	ORC6	origin recognition complex, subunit 6 [Source:Jamboree;Acc:XB-GENE-963541]	0.4624	0.0000
ENSXETG00000009883	OSGEPL1	O-sialoglycoprotein endopeptidase-like 1 [Source:Jamboree;Acc:XB-GENE-948324]	0.5949	0.0022
ENSXETG00000007992	OSR1	odd-skipped related 1 [Source:Jamboree;Acc:XB-GENE-481410]	0.3151	0.0110
ENSXETG00000008729	OTOL1	otolin 1 [Source:HGNC Symbol;Acc:HGNC:34071]	0.0033	0.0000
ENSXETG00000016028	OTOP1	otopetrin 1 [Source:Jamboree;Acc:XB-GENE-876999]	0.0227	0.0185
ENSXETG00000026803	OTOS	otospiralin [Source:Jamboree;Acc:XB-GENE-971579]	0.3395	0.0043
ENSXETG00000010313	OTUB2	OTU domain, ubiquitin aldehyde binding 2 [Source:Jamboree;Acc:XB-GENE-950643]	0.6346	0.0000
ENSXETG00000013025	OTX1	orthodenticle homeobox 1 [Source:Jamboree;Acc:XB-GENE-939804]	0.4405	0.0000
ENSXETG00000015687	OTX2	orthodenticle homeobox 2 [Source:Jamboree;Acc:XB-GENE-485220]	0.4590	0.0000
ENSXETG00000022059	P2RY11	purinergic receptor P2Y, G-protein coupled, 11 [Source:Jamboree;Acc:XB-GENE-6465757]	0.2124	0.0016
ENSXETG00000023193	P2RY4	pyrimidinergic receptor P2Y, G-protein coupled, 4 [Source:Jamboree;Acc:XB-GENE-943446]	0.2459	0.0024
ENSXETG00000010724	P2RY6	pyrimidinergic receptor P2Y, G-protein coupled, 6 [Source:Jamboree;Acc:XB-GENE-955049]	0.7381	0.0031
ENSXETG00000012567	P4HA3	prolyl 4-hydroxylase, alpha polypeptide 3 [Source:Jamboree;Acc:XB-GENE-962355]	0.3199	0.0277
ENSXETG00000006635	PABPC1	poly(A) binding protein, cytoplasmic 1 [Source:Jamboree;Acc:XB-GENE-963457]	0.7212	0.0000
ENSXETG00000002902	PAF1	Paf1, RNA polymerase II associated factor, homolog [Source:Jamboree;Acc:XB-GENE-5797651]	0.7965	0.0332
ENSXETG00000012063	PAFAH1B3	platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa) [Source:Jamboree;Acc:XB-GENE-485956]	0.7819	0.0094
ENSXETG00000010418	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1 [Source:Jamboree;Acc:XB-GENE-5852172]	0.8131	0.0284
ENSXETG00000019626	PAH	phenylalanine hydroxylase [Source:Jamboree;Acc:XB-GENE-991085]	0.2754	0.0000
ENSXETG00000009264	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2 [Source:Jamboree;Acc:XB-GENE-986763]	0.5415	0.0003
ENSXETG00000018364	PAQR4	progestin and adipoQ receptor family member IV [Source:Jamboree;Acc:XB-GENE-1013999]	0.7287	0.0003
ENSXETG00000022610	PARP1	poly (ADP-ribose) polymerase 1 [Source:Jamboree;Acc:XB-GENE-974935]	0.7042	0.0001
ENSXETG00000004190	PATZ1	POZ (BTB) and AT hook containing zinc finger 1 [Source:Jamboree;Acc:XB-GENE-976137]	0.7956	0.0088
ENSXETG00000007640	PAX3	paired box 3 [Source:Jamboree;Acc:XB-GENE-482740]	0.3156	0.0000
ENSXETG00000008175	PAX6	paired box 6 [Source:Jamboree;Acc:XB-GENE-484088]	0.7570	0.0028
ENSXETG00000018527	PAX7	paired box 7 [Source:Jamboree;Acc:XB-GENE-487140]	0.5692	0.0000
ENSXETG00000001272	PAX8	paired box 8 [Source:Jamboree;Acc:XB-GENE-483693]	0.3125	0.0000
ENSXETG00000020438	PBK	PDZ binding kinase [Source:Jamboree;Acc:XB-GENE-1017083]	0.0588	0.0000
ENSXETG00000010464	PBX1	pre-B-cell leukemia homeobox 1 [Source:Jamboree;Acc:XB-GENE-1217592]	0.7596	0.0015
ENSXETG00000005223	PBX2	pre-B-cell leukemia homeobox 2 [Source:Jamboree;Acc:XB-GENE-484669]	0.7363	0.0002
ENSXETG00000010491	PCBP2	poly(rC) binding protein 2 [Source:Jamboree;Acc:XB-GENE-5903797]	0.7011	0.0006
ENSXETG00000012658	PCBP3	poly(rC) binding protein 3 [Source:Jamboree;Acc:XB-GENE-944665]	0.8115	0.0053
ENSXETG00000013634	PCF11	PCF11, cleavage and polyadenylation factor subunit, homolog [Source:Jamboree;Acc:XB-GENE-5846364]	0.7724	0.0008
ENSXETG00000014608	PCK2	phosphoenolpyruvate carboxykinase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-974262]	0.4383	0.0033
ENSXETG00000009482	PDCD11	programmed cell death 11 [Source:Jamboree;Acc:XB-GENE-967218]	0.8090	0.0100
ENSXETG00000020032	PDCD2L	programmed cell death 2-like [Source:Jamboree;Acc:XB-GENE-5805051]	0.4665	0.0000
ENSXETG00000025248	PDCD4	programmed cell death 4 (neoplastic transformation inhibitor) [Source:Jamboree;Acc:XB-GENE-959687]	0.8188	0.0205
ENSXETG00000013573	PDCD5	programmed cell death 5 [Source:Jamboree;Acc:XB-GENE-1001834]	0.7647	0.0082
ENSXETG00000006912	PDGFB	platelet-derived growth factor beta polypeptide [Source:Jamboree;Acc:XB-GENE-487583]	0.7654	0.0003
ENSXETG00000009194	PDIK1L	PDLIM1 interacting kinase 1 like [Source:Jamboree;Acc:XB-GENE-919812]	0.7772	0.0263
ENSXETG00000008826	PDLIM1	PDZ and LIM domain 1 [Source:Jamboree;Acc:XB-GENE-1004691]	0.5263	0.0000
ENSXETG00000016579	PDLIM4	PDZ and LIM domain 4 [Source:Jamboree;Acc:XB-GENE-1001790]	0.7133	0.0016
ENSXETG00000027782	PERP	PERP, TP53 apoptosis effector [Source:Jamboree;Acc:XB-GENE-876436]	0.6942	0.0081
ENSXETG00000017731	PEX11A	peroxisomal biogenesis factor 11 alpha [Source:Jamboree;Acc:XB-GENE-970930]	0.5876	0.0010
ENSXETG00000012702	PFDN2	prefoldin subunit 2 [Source:Jamboree;Acc:XB-GENE-997342]	0.5133	0.0000
ENSXETG00000017525	PFDN4	prefoldin subunit 4 [Source:Jamboree;Acc:XB-GENE-856231]	0.7625	0.0224
ENSXETG00000015309	PFN1	profilin 1 [Source:Jamboree;Acc:XB-GENE-5747742]	0.6872	0.0000
ENSXETG00000014629	PGPEP1	pyroglutamyl-peptidase I [Source:Jamboree;Acc:XB-GENE-961493]	0.6953	0.0220
ENSXETG00000020644	PHACTR4	phosphatase and actin regulator 4 [Source:Jamboree;Acc:XB-GENE-5930004]	0.7466	0.0001
ENSXETG00000027802	PHB	prohibitin [Source:Jamboree;Acc:XB-GENE-977670]	0.8163	0.0414
ENSXETG00000001031	PHF21A	PHD finger protein 21A [Source:Jamboree;Acc:XB-GENE-6032673]	0.6971	0.0000
ENSXETG00000003257	PHF21B	PHD finger protein 21B [Source:Jamboree;Acc:XB-GENE-969993]	0.6676	0.0000
ENSXETG00000008530	PHGDH	phosphoglycerate dehydrogenase [Source:Jamboree;Acc:XB-GENE-5854283]	0.6738	0.0286
ENSXETG00000021083	PHOX2B	paired-like homeobox 2b [Source:Jamboree;Acc:XB-GENE-1000415]	0.4963	0.0000
ENSXETG00000006386	PIAS4	protein inhibitor of activated STAT, 4 [Source:Jamboree;Acc:XB-GENE-486199]	0.7889	0.0327
ENSXETG00000009544	PIF1	PIF1 5'-to-3' DNA helicase homolog [Source:Jamboree;Acc:XB-GENE-5924613]	0.0726	0.0000
ENSXETG00000010194	PIH1D2	PIH1 domain containing 2 [Source:Jamboree;Acc:XB-GENE-5749918]	0.8322	0.0453
ENSXETG00000012933	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (beta) [Source:Jamboree;Acc:XB-GENE-6077418]	0.6428	0.0000
ENSXETG00000000688	PINX1	PIN2/TERF1 interacting, telomerase inhibitor 1 [Source:Jamboree;Acc:XB-GENE-951063]	0.7659	0.0393
ENSXETG00000013330	PITX2	paired-like homeodomain 2 [Source:Jamboree;Acc:XB-GENE-482492]	0.5221	0.0000

ENSXETG00000010022	PITX3	paired-like homeodomain 3 [Source:Jamboree;Acc:XB-GENE-486162]	0.3492	0.0000
ENSXETG00000016464	PKDCC.1	protein kinase domain containing, cytoplasmic homolog, gene 1 [Source:Jamboree;Acc:XB-GENE-5993401]	0.3860	0.0007
ENSXETG00000021681	PKHD1	polycystic kidney and hepatic disease 1 (autosomal recessive) [Source:Jamboree;Acc:XB-GENE-854495]	0.3772	0.0096
ENSXETG00000013164	PKLR	pyruvate kinase, liver and RBC [Source:Jamboree;Acc:XB-GENE-5918041]	0.6957	0.0159
ENSXETG00000012867	PKN3	protein kinase N3 [Source:Jamboree;Acc:XB-GENE-6085008]	0.5206	0.0013
ENSXETG00000006706	PKP3	plakophilin 3 [Source:Jamboree;Acc:XB-GENE-489317]	0.4385	0.0000
ENSXETG00000025326	PLA2G2E	phospholipase A2, group IIE [Source:Jamboree;Acc:XB-GENE-5756014]	0.0268	0.0000
ENSXETG00000016792	PLAT	plasminogen activator, tissue [Source:Jamboree;Acc:XB-GENE-1010818]	0.6271	0.0250
ENSXETG00000007201	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific) [Source:Jamboree;Acc:XB-GENE-1008413]	0.5120	0.0000
ENSXETG00000018458	PLCD1	phospholipase C, delta 1 [Source:Jamboree;Acc:XB-GENE-1013054]	0.6339	0.0164
ENSXETG00000026876	PLEC	plectin [Source:Jamboree;Acc:XB-GENE-6459396]	0.7536	0.0460
ENSXETG00000008997	PLEKHA8	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8 [Source:Jamboree;Acc:XB-GENE-949914]	0.6404	0.0058
ENSXETG00000006669	PLEKHF2	pleckstrin homology domain containing, family F (with FYVE domain) member 2 [Source:Jamboree;Acc:XB-GENE-959911]	0.6295	0.0053
ENSXETG00000022522	PLK4	polo-like kinase 4 [Source:Jamboree;Acc:XB-GENE-493608]	0.1252	0.0000
ENSXETG00000007726	PLP2	proteolipid protein 2 (colonic epithelium-enriched) [Source:Jamboree;Acc:XB-GENE-1015503]	0.7722	0.0052
ENSXETG00000003677	PLS3	plastin 3 [Source:Jamboree;Acc:XB-GENE-922728]	0.6876	0.0002
ENSXETG00000009439	PMEL	premelanosome protein [Source:Jamboree;Acc:XB-GENE-6454505]	0.1338	0.0000
ENSXETG00000010420	PMP2	peripheral myelin protein 2 [Source:Jamboree;Acc:XB-GENE-977969]	0.3585	0.0000
ENSXETG00000019579	PMP22	peripheral myelin protein 22 [Source:Jamboree;Acc:XB-GENE-1004858]	0.4313	0.0000
ENSXETG00000017349	PNO1	partner of NOB1 homolog [Source:Jamboree;Acc:XB-GENE-491293]	0.5031	0.0000
ENSXETG00000021865	POC1B	POC1 centriolar protein homolog B (Chlamydomonas) [Source:Jamboree;Acc:XB-GENE-944930]	0.4606	0.0009
ENSXETG00000023289	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit) [Source:Jamboree;Acc:XB-GENE-5916783]	0.6555	0.0006
ENSXETG00000013412	POLDIP3	polymerase (DNA-directed), delta interacting protein 3 [Source:Jamboree;Acc:XB-GENE-952215]	0.8147	0.0088
ENSXETG00000016151	POLE	polymerase (DNA directed), epsilon [Source:Jamboree;Acc:XB-GENE-1011589]	0.4772	0.0000
ENSXETG00000009123	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit) [Source:Jamboree;Acc:XB-GENE-973812]	0.4311	0.0001
ENSXETG00000012579	POLG2	polymerase (DNA directed), gamma 2, accessory subunit [Source:Jamboree;Acc:XB-GENE-1009985]	0.6385	0.0043
ENSXETG00000002388	POLN	polymerase (DNA directed) nu [Source:Jamboree;Acc:XB-GENE-988834]	0.6287	0.0000
ENSXETG00000009913	POLQ	polymerase (DNA directed), theta [Source:Jamboree;Acc:XB-GENE-996022]	0.4785	0.0006
ENSXETG00000013749	POLR1B	polymerase (RNA) I polypeptide B, 128kDa [Source:Jamboree;Acc:XB-GENE-1008539]	0.4700	0.0000
ENSXETG00000006533	POLR1E	polymerase (RNA) I polypeptide E, 53kDa [Source:Jamboree;Acc:XB-GENE-1003651]	0.6594	0.0028
ENSXETG00000003291	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa [Source:Jamboree;Acc:XB-GENE-1005304]	0.7367	0.0028
ENSXETG00000006022	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G [Source:Jamboree;Acc:XB-GENE-1006751]	0.6977	0.0070
ENSXETG00000017291	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H [Source:Jamboree;Acc:XB-GENE-491773]	0.6019	0.0001
ENSXETG00000025768	POLR2L.1	polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa, gene 1 [Source:Jamboree;Acc:XB-GENE-1003788]	0.5147	0.0000
ENSXETG00000011053	POLR3GL	polymerase (RNA) III (DNA directed) polypeptide G (32kD)-like [Source:Jamboree;Acc:XB-GENE-945834]	0.6391	0.0059
ENSXETG00000017532	POMC	proopiomelanocortin [Source:Jamboree;Acc:XB-GENE-483703]	0.5457	0.0007
ENSXETG00000007637	POU1F1	POU class 1 homeobox 1 [Source:Jamboree;Acc:XB-GENE-854097]	0.3111	0.0338
ENSXETG00000011510	POU3F1	POU class 3 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853354]	0.6232	0.0000
ENSXETG00000028057	POU3F2	POU class 3 homeobox 2 [Source:Jamboree;Acc:XB-GENE-483174]	0.5352	0.0000
ENSXETG00000014504	POU3F4	POU class 3 homeobox 4 [Source:Jamboree;Acc:XB-GENE-479667]	0.6524	0.0000
ENSXETG00000017814	POU4F1	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853139]	0.6160	0.0000
ENSXETG00000018386	POU4F1.2	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-5996034]	0.4583	0.0000
ENSXETG00000006145	PPA2	pyrophosphatase (inorganic) 2 [Source:Jamboree;Acc:XB-GENE-961143]	0.7309	0.0011
ENSXETG00000022055	PPAN	peter pan homolog [Source:Jamboree;Acc:XB-GENE-6465745]	0.7385	0.0057
ENSXETG00000026886	PPAP2C	phosphatidic acid phosphatase type 2C [Source:Jamboree;Acc:XB-GENE-5816438]	0.4548	0.0000
ENSXETG00000010944	PPIE	peptidylprolyl isomerase E (cyclophilin E) [Source:Jamboree;Acc:XB-GENE-979639]	0.7778	0.0253
ENSXETG00000018366	PPIF	peptidylprolyl isomerase F [Source:Jamboree;Acc:XB-GENE-1008626]	0.7812	0.0459
ENSXETG00000017097	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1 [Source:Jamboree;Acc:XB-GENE-963801]	0.5536	0.0000
ENSXETG00000013514	PPM1D	protein phosphatase, Mg2+/Mn2+ dependent, 1D [Source:Jamboree;Acc:XB-GENE-1011380]	0.7459	0.0129
ENSXETG00000000341	PPM1K	protein phosphatase, Mg2+/Mn2+ dependent, 1K [Source:Jamboree;Acc:XB-GENE-956545]	0.7905	0.0301
ENSXETG00000009689	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isozyme [Source:Jamboree;Acc:XB-GENE-5948033]	0.6837	0.0000
ENSXETG00000000157	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A [Source:Jamboree;Acc:XB-GENE-489487]	0.6663	0.0004
ENSXETG00000007199	PPP1R14B	protein phosphatase 1, regulatory (inhibitor) subunit 14B [Source:Jamboree;Acc:XB-GENE-485314]	0.4036	0.0000
ENSXETG00000020984	PPP1R3C.1	protein phosphatase 1, regulatory (inhibitor) subunit 3C, gene 1 [Source:Jamboree;Acc:XB-GENE-969181]	0.4723	0.0487
ENSXETG00000011507	PPP1R8	protein phosphatase 1, regulatory (inhibitor) subunit 8 [Source:Jamboree;Acc:XB-GENE-479608]	0.7346	0.0479
ENSXETG00000010159	PPP2R2A	protein phosphatase 2, regulatory subunit B, alpha [Source:Jamboree;Acc:XB-GENE-971147]	0.7370	0.0001
ENSXETG00000020670	PPP4C	protein phosphatase 4, catalytic subunit [Source:Jamboree;Acc:XB-GENE-970535]	0.7588	0.0019
ENSXETG00000004042	PPP4R1	protein phosphatase 4, regulatory subunit 1 [Source:Jamboree;Acc:XB-GENE-945302]	0.7899	0.0262
ENSXETG00000001712	PPRC1	peroxisome proliferator-activated receptor gamma, coactivator-related 1 [Source:Jamboree;Acc:XB-GENE-6469512]	0.6715	0.0071
ENSXETG00000000454	PPWD1	peptidylprolyl isomerase domain and WD repeat containing 1 [Source:Jamboree;Acc:XB-GENE-1001509]	0.7327	0.0116
ENSXETG00000015449	PRC1	protein regulator of cytokinesis 1 [Source:Jamboree;Acc:XB-GENE-963901]	0.1145	0.0000
ENSXETG00000003501	PRDX1	peroxiredoxin 1 [Source:Jamboree;Acc:XB-GENE-481165]	0.7622	0.0019
ENSXETG00000004763	PRDX2	peroxiredoxin 2 [Source:Jamboree;Acc:XB-GENE-945852]	0.6929	0.0000
ENSXETG00000000525	PRDX6	peroxiredoxin 6 [Source:Jamboree;Acc:XB-GENE-951731]	0.6968	0.0004
ENSXETG00000007235	PRELID1	PRELI domain containing 1 [Source:Jamboree;Acc:XB-GENE-1004789]	0.7116	0.0009
ENSXETG00000027124	PRELID2	PRELI domain containing 2 [Source:Jamboree;Acc:XB-GENE-943679]	0.4518	0.0005
ENSXETG00000025421	PRIM1	primase, DNA, polypeptide 1 (49kDa) [Source:Jamboree;Acc:XB-GENE-969075]	0.5518	0.0000
ENSXETG00000004450	PRIM2	primase, DNA, polypeptide 2 (58kDa) [Source:Jamboree;Acc:XB-GENE-1004020]	0.6055	0.0018
ENSXETG00000011175	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit [Source:Jamboree;Acc:XB-GENE-943598]	0.7380	0.0059
ENSXETG00000010248	PRKD1	protein kinase D1 [Source:Jamboree;Acc:XB-GENE-487626]	0.6684	0.0001
ENSXETG00000005000	PRKX	protein kinase, X-linked [Source:Jamboree;Acc:XB-GENE-6046135]	0.6096	0.0001
ENSXETG00000002877	PRMT1	protein arginine methyltransferase 1 [Source:Jamboree;Acc:XB-GENE-484022]	0.7971	0.0060
ENSXETG00000022626	PRMT5	protein arginine methyltransferase 5 [Source:Jamboree;Acc:XB-GENE-975034]	0.6708	0.0000
ENSXETG00000004342	PROM2	prominin 2 [Source:Jamboree;Acc:XB-GENE-853506]	0.4664	0.0500
ENSXETG00000018654	PRPF3	PRP3 pre-mRNA processing factor 3 homolog [Source:Jamboree;Acc:XB-GENE-996787]	0.7578	0.0046
ENSXETG00000021713	PRPF40A	PRP40 pre-mRNA processing factor 40 homolog A [Source:Jamboree;Acc:XB-GENE-988694]	0.7717	0.0037
ENSXETG00000011188	PRPH	peripherin [Source:Jamboree;Acc:XB-GENE-493857]	0.5761	0.0000
ENSXETG00000026988	PRR11	proline rich 11 [Source:Jamboree;Acc:XB-GENE-942986]	0.1896	0.0000
ENSXETG00000022636	PRSS35	protease, serine, 35 [Source:Jamboree;Acc:XB-GENE-991610]	0.4416	0.0000
ENSXETG00000021647	PRTN3	proteinase 3 [Source:Jamboree;Acc:XB-GENE-5805214]	0.4778	0.0479
ENSXETG00000002431	PRX	periaxin [Source:Jamboree;Acc:XB-GENE-1006847]	0.8085	0.0360
ENSXETG00000003623	PSAT1	phosphoserine aminotransferase 1 [Source:Jamboree;Acc:XB-GENE-1016013]	0.3703	0.0000
ENSXETG00000001853	PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2 [Source:Jamboree;Acc:XB-GENE-964711]	0.7872	0.0211
ENSXETG00000021040	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6 [Source:Jamboree;Acc:XB-GENE-6257763]	0.1531	0.0000
ENSXETG00000009522	PSMD1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1 [Source:Jamboree;Acc:XB-GENE-989959]	0.7657	0.0004
ENSXETG00000010074	PSPH	phosphoserine phosphatase [Source:Jamboree;Acc:XB-GENE-953316]	0.4863	0.0059
ENSXETG00000021661	PTBP1	polypyrimidine tract binding protein 1 [Source:Jamboree;Acc:XB-GENE-5818206]	0.6054	0.0000
ENSXETG00000009891	PTCD1	pentatricopeptide repeat domain 1 [Source:Jamboree;Acc:XB-GENE-940576]	0.6615	0.0047
ENSXETG00000014834	PTCH1	patched 1 [Source:Jamboree;Acc:XB-GENE-488222]	0.7569	0.0060
ENSXETG00000018892	PTCH2	patched 2 [Source:Jamboree;Acc:XB-GENE-1033868]	0.5988	0.0000
ENSXETG00000005914	PTF1A	pancreas specific transcription factor, 1a [Source:Jamboree;Acc:XB-GENE-484425]	0.1083	0.0117
ENSXETG00000003954	PTGDS	prostaglandin D2 synthase 21kDa (brain) [Source:Jamboree;Acc:XB-GENE-481708]	0.3315	0.0001
ENSXETG00000024683	PTGR1.1	prostaglandin reductase 1, gene 1 [Source:Jamboree;Acc:XB-GENE-5789488]	0.1307	0.0000
ENSXETG00000023764	PTK2	PTK2 protein tyrosine kinase 2 [Source:Jamboree;Acc:XB-GENE-952025]	0.7398	0.0003
ENSXETG00000022757	PTMA	prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-978347]	0.7477	0.0001
ENSXETG00000005239	PTP4A2	protein tyrosine phosphatase type IVA, member 2 [Source:Jamboree;Acc:XB-GENE-1007312]	0.7874	0.0137
ENSXETG00000023744	PTP4A3	protein tyrosine phosphatase type IVA, member 3 [Source:Jamboree;Acc:XB-GENE-943078]	0.6708	0.0000
ENSXETG00000012288	PTPN1	protein tyrosine phosphatase, non-receptor type 1 [Source:Jamboree;Acc:XB-GENE-950442]	0.7462	0.0034
ENSXETG00000019728	PTPN12	protein tyrosine phosphatase, non-receptor type 12 [Source:Jamboree;Acc:XB-GENE-942122]	0.7347	0.0022
ENSXETG00000012558	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase) [Source:Jamboree;Acc:XB-GENE-939886]	0.7286	0.0024
ENSXETG00000011378	PTPRB	protein tyrosine phosphatase, receptor type, B [Source:Jamboree;Acc:XB-GENE-991728]	0.7024	0.0021
ENSXETG00000007735	PTPRJ	protein tyrosine phosphatase, receptor type, J [Source:HGNC Symbol;Acc:HGNC:9673]	0.5887	0.0161
ENSXETG00000012244	PTX3	pentraxin 3, long [Source:HGNC Symbol;Acc:HGNC:9692]	0.1329	0.0000

ENSXETG00000002210	PUS10	pseudouridylate synthase 10 [Source:Jamboree;Acc:XB-GENE-5903759]	0.6737	0.0048
ENSXETG00000024532	PUS3	pseudouridylate synthase 3 [Source:Jamboree;Acc:XB-GENE-5897110]	0.5849	0.0004
ENSXETG00000006809	PUS7L	pseudouridylate synthase 7 homolog-like [Source:Jamboree;Acc:XB-GENE-999746]	0.6649	0.0067
ENSXETG00000027606	PVALB	parvalbumin [Source:RefSeq peptide;Acc:NP_001011134]	0.0157	0.0000
ENSXETG00000018002	PWP2	PWP2 periodic tryptophan protein homolog [Source:Jamboree;Acc:XB-GENE-6257709]	0.7647	0.0370
ENSXETG00000012201	PXN	paxillin [Source:Jamboree;Acc:XB-GENE-941407]	0.5914	0.0001
ENSXETG00000005381	PYCR1	pyrroline-5-carboxylate reductase family, member 1 [Source:Jamboree;Acc:XB-GENE-1016046]	0.7623	0.0087
ENSXETG00000009351	QARS	glutaminyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5802152]	0.5765	0.0000
ENSXETG00000002805	QTRTD1	queuine tRNA-ribosyltransferase domain containing 1 [Source:Jamboree;Acc:XB-GENE-1007716]	0.6645	0.0235
ENSXETG00000020729	RAB13	RAB13, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-6070728]	0.7792	0.0075
ENSXETG00000014011	RAB1A	RAB1A, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-485527]	0.7023	0.0000
ENSXETG00000007375	RAB27A	RAB27A, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-490563]	0.5701	0.0321
ENSXETG00000013383	RACGAP1	Rac GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-943983]	0.1337	0.0000
ENSXETG00000000705	RAD1	RAD1 homolog [Source:Jamboree;Acc:XB-GENE-979329]	0.6986	0.0111
ENSXETG00000015951	RAD51	RAD51 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-1016881]	0.2353	0.0000
ENSXETG00000011389	RAD51AP1	RAD51 associated protein 1 [Source:Jamboree;Acc:XB-GENE-963252]	0.0758	0.0000
ENSXETG00000025924	RAD54B	RAD54 homolog B [Source:Jamboree;Acc:XB-GENE-5839240]	0.6887	0.0217
ENSXETG00000000696	RAI14	retinoic acid induced 14 [Source:Jamboree;Acc:XB-GENE-979322]	0.5265	0.0000
ENSXETG00000027832	RAN	RAN, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-489468]	0.7598	0.0004
ENSXETG00000006324	RANBP1	RAN binding protein 1 [Source:Jamboree;Acc:XB-GENE-490910]	0.5915	0.0000
ENSXETG00000009048	RAPSN	receptor-associated protein of the synapse [Source:Jamboree;Acc:XB-GENE-990995]	0.5948	0.0211
ENSXETG00000000156	RASIP1	Ras interacting protein 1 [Source:Jamboree;Acc:XB-GENE-6033970]	0.6281	0.0263
ENSXETG00000007332	RASSF1	Ras association (RalGDS/AF-6) domain family member 1 [Source:Jamboree;Acc:XB-GENE-494691]	0.6574	0.0010
ENSXETG00000023554	RASSF4	Ras association (RalGDS/AF-6) domain family member 4 [Source:Jamboree;Acc:XB-GENE-493110]	0.2492	0.0027
ENSXETG00000006038	RASSF7	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7 [Source:Jamboree;Acc:XB-GENE-956640]	0.2424	0.0000
ENSXETG00000011622	RAVER1	ribonucleoprotein, PTB-binding 1 [Source:Jamboree;Acc:XB-GENE-1007876]	0.7125	0.0040
ENSXETG00000007414	RBL1	retinoblastoma-like 1 (p107) [Source:Jamboree;Acc:XB-GENE-976494]	0.7862	0.0400
ENSXETG00000000072	RBM15B	RNA binding motif protein 15B [Source:Jamboree;Acc:XB-GENE-961063]	0.6582	0.0000
ENSXETG00000017668	RBM19	RNA binding motif protein 19 [Source:Jamboree;Acc:XB-GENE-922190]	0.5662	0.0003
ENSXETG00000020435	RBM22	RNA binding motif protein 22 [Source:Jamboree;Acc:XB-GENE-971198]	0.7457	0.0014
ENSXETG00000009271	RBM28	RNA binding motif protein 28 [Source:Jamboree;Acc:XB-GENE-919947]	0.7932	0.0133
ENSXETG00000012802	RBM47	RNA binding motif protein 47 [Source:Jamboree;Acc:XB-GENE-976707]	0.4192	0.0002
ENSXETG00000003731	RBP4	retinol binding protein 4, plasma [Source:Jamboree;Acc:XB-GENE-5841608]	0.4375	0.0000
ENSXETG00000012969	RCC1	regulator of chromosome condensation 1 [Source:Jamboree;Acc:XB-GENE-979094]	0.4229	0.0000
ENSXETG00000008174	RCN1	reticulocalbin 1, EF-hand calcium binding domain [Source:Jamboree;Acc:XB-GENE-490301]	0.6641	0.0054
ENSXETG00000011825	RDH10	retinol dehydrogenase 10 (all-trans) [Source:Jamboree;Acc:XB-GENE-944961]	0.6385	0.0000
ENSXETG00000016582	RECQL4	RecQ protein-like 4 [Source:Jamboree;Acc:XB-GENE-997814]	0.2883	0.0000
ENSXETG00000005323	REST	RE1-silencing transcription factor [Source:Jamboree;Acc:XB-GENE-955466]	0.6865	0.0031
ENSXETG00000018234	RFC2	replication factor C (activator 1) 2, 40kDa [Source:Jamboree;Acc:XB-GENE-999114]	0.7976	0.0452
ENSXETG00000016918	RFC3	replication factor C (activator 1) 3, 38kDa [Source:Jamboree;Acc:XB-GENE-984444]	0.7364	0.0189
ENSXETG00000019391	RFC4	replication factor C (activator 1) 4, 37kDa [Source:Jamboree;Acc:XB-GENE-955724]	0.7589	0.0138
ENSXETG00000005567	RFX1	regulatory factor X, 1 (influences HLA class II expression) [Source:Jamboree;Acc:XB-GENE-994757]	0.7203	0.0002
ENSXETG00000014145	RFX4	regulatory factor X, 4 (influences HLA class II expression) [Source:Jamboree;Acc:XB-GENE-1018509]	0.5897	0.0000
ENSXETG00000016747	RGL3	ral guanine nucleotide dissociation stimulator-like 3 [Source:Jamboree;Acc:XB-GENE-493046]	0.7421	0.0197
ENSXETG00000023880	RGMB	RGM domain family, member B [Source:Jamboree;Acc:XB-GENE-868420]	0.7586	0.0008
ENSXETG00000004127	RGN	regucalcin (senescence marker protein-30) [Source:Jamboree;Acc:XB-GENE-483637]	0.7984	0.0206
ENSXETG00000005627	RGR	retinal G protein coupled receptor [Source:Jamboree;Acc:XB-GENE-1011414]	0.5375	0.0248
ENSXETG00000024669	RGS16	regulator of G-protein signaling 16 [Source:Jamboree;Acc:XB-GENE-5753967]	0.7175	0.0068
ENSXETG00000003427	RHBDD2	rhomboid domain containing 2 [Source:Jamboree;Acc:XB-GENE-1000874]	0.6378	0.0020
ENSXETG00000019898	RHBG	Rh family, B glycoprotein [Source:Jamboree;Acc:XB-GENE-1009286]	0.1193	0.0006
ENSXETG00000011180	RHEBL1	Ras homolog enriched in brain like 1 [Source:Jamboree;Acc:XB-GENE-493839]	0.1368	0.0131
ENSXETG00000002589	RHOU	ras homolog gene family, member U [Source:Jamboree;Acc:XB-GENE-491190]	0.5886	0.0012
ENSXETG00000004530	RIF1	rap1 interacting factor homolog [Source:Jamboree;Acc:XB-GENE-920162]	0.7563	0.0121
ENSXETG00000020436	RIOK1	RIO kinase 1 [Source:Jamboree;Acc:XB-GENE-492176]	0.6672	0.0009
ENSXETG00000017770	RLBP1	retinaldehyde binding protein 1 [Source:Jamboree;Acc:XB-GENE-976303]	0.4919	0.0003
ENSXETG00000016219	RNASET2	ribonuclease T2 [Source:Jamboree;Acc:XB-GENE-944135]	0.5034	0.0000
ENSXETG00000025335	RND3	Rho family GTPase 3 [Source:Jamboree;Acc:XB-GENE-495412]	0.7654	0.0024
ENSXETG00000014618	RNF31	ring finger protein 31 [Source:Jamboree;Acc:XB-GENE-968731]	0.7824	0.0171
ENSXETG00000009272	RNLS	renalase, FAD-dependent amine oxidase [Source:Jamboree;Acc:XB-GENE-5831223]	0.6800	0.0268
ENSXETG00000003938	ROBO3	roundabout, axon guidance receptor, homolog 3 [Source:Jamboree;Acc:XB-GENE-1032334]	0.7942	0.0238
ENSXETG00000003937	ROBO4	roundabout homolog 4, magic roundabout [Source:Jamboree;Acc:XB-GENE-955396]	0.5040	0.0000
ENSXETG00000013538	RPA1	replication protein A1, 70kDa [Source:Jamboree;Acc:XB-GENE-945047]	0.8059	0.0493
ENSXETG00000008642	RPF1	ribosome production factor 1 homolog [Source:Jamboree;Acc:XB-GENE-5777492]	0.6641	0.0001
ENSXETG00000017215	RPGRIP1	retinitis pigmentosa GTPase regulator interacting protein 1 [Source:Jamboree;Acc:XB-GENE-1007974]	0.6906	0.0487
ENSXETG00000010878	RPL10	ribosomal protein L10 [Source:Jamboree;Acc:XB-GENE-970510]	0.6654	0.0014
ENSXETG00000012374	RPL10A	ribosomal protein L10a [Source:Jamboree;Acc:XB-GENE-974206]	0.5967	0.0000
ENSXETG00000001178	RPL11	ribosomal protein L11 [Source:Jamboree;Acc:XB-GENE-1000977]	0.5626	0.0000
ENSXETG00000022018	RPL14	ribosomal protein L14 [Source:Jamboree;Acc:XB-GENE-5819035]	0.5656	0.0002
ENSXETG00000003164	RPL18	ribosomal protein L18 [Source:Jamboree;Acc:XB-GENE-1006303]	0.5514	0.0000
ENSXETG00000021667	RPL18A	ribosomal protein L18a [Source:Jamboree;Acc:XB-GENE-5774784]	0.6425	0.0000
ENSXETG00000009802	RPL21	ribosomal protein L21 [Source:Jamboree;Acc:XB-GENE-979608]	0.6245	0.0001
ENSXETG00000002914	RPL22	ribosomal protein L22 [Source:Jamboree;Acc:XB-GENE-978439]	0.6990	0.0053
ENSXETG00000009154	RPL22L1	ribosomal protein L22-like 1 [Source:Jamboree;Acc:XB-GENE-6073103]	0.6439	0.0000
ENSXETG00000023719	RPL23	ribosomal protein L23 [Source:Jamboree;Acc:XB-GENE-958306]	0.5442	0.0003
ENSXETG00000026189	RPL23A	ribosomal protein L23a [Source:Jamboree;Acc:XB-GENE-5891038]	0.5849	0.0001
ENSXETG00000003912	RPL27A	ribosomal protein L27a [Source:Jamboree;Acc:XB-GENE-5853519]	0.7957	0.0042
ENSXETG00000000132	RPL28	ribosomal protein L28 [Source:Jamboree;Acc:XB-GENE-1016753]	0.6215	0.0028
ENSXETG00000010811	RPL29	ribosomal protein L29 [Source:Jamboree;Acc:XB-GENE-5789751]	0.6784	0.0059
ENSXETG00000006914	RPL3	ribosomal protein L3 [Source:Jamboree;Acc:XB-GENE-971703]	0.5272	0.0000
ENSXETG00000015507	RPL32	ribosomal protein L32 [Source:Jamboree;Acc:XB-GENE-948155]	0.5404	0.0278
ENSXETG00000021095	RPL34	ribosomal protein L34 [Source:Jamboree;Acc:XB-GENE-957318]	0.5910	0.0005
ENSXETG00000027840	RPL36	ribosomal protein L36 [Source:Jamboree;Acc:XB-GENE-969192]	0.6004	0.0003
ENSXETG00000018150	RPL36A	ribosomal protein L36a [Source:Jamboree;Acc:XB-GENE-974799]	0.5690	0.0040
ENSXETG00000027024	RPL37	ribosomal protein L37 [Source:Jamboree;Acc:XB-GENE-956873]	0.7051	0.0001
ENSXETG00000015468	RPL37A	ribosomal protein L37a [Source:Jamboree;Acc:XB-GENE-5811555]	0.6139	0.0004
ENSXETG00000015898	RPL4	ribosomal protein L4 [Source:Jamboree;Acc:XB-GENE-968395]	0.6241	0.0000
ENSXETG00000023004	RPL5	ribosomal protein L5 [Source:Jamboree;Acc:XB-GENE-983912]	0.6035	0.0000
ENSXETG00000004304	RPL6	ribosomal protein L6 [Source:Jamboree;Acc:XB-GENE-958284]	0.6485	0.0000
ENSXETG00000025457	RPL7	ribosomal protein L7 [Source:Jamboree;Acc:XB-GENE-954734]	0.6324	0.0007
ENSXETG00000005009	RPL7A	ribosomal protein L7a [Source:Jamboree;Acc:XB-GENE-959321]	0.5915	0.0003
ENSXETG00000015483	RPL8	ribosomal protein L8 [Source:Jamboree;Acc:XB-GENE-482209]	0.7482	0.0008
ENSXETG00000012856	RPL9	ribosomal protein L9 [Source:Jamboree;Acc:XB-GENE-964745]	0.5902	0.0001
ENSXETG00000019024	RPLP2	ribosomal protein, large, P2 [Source:Jamboree;Acc:XB-GENE-944337]	0.5433	0.0000
ENSXETG00000015129	RPS10	ribosomal protein S10 [Source:Jamboree;Acc:XB-GENE-969777]	0.5932	0.0002
ENSXETG00000014146	RPS11	ribosomal protein S11 [Source:Jamboree;Acc:XB-GENE-5893562]	0.6777	0.0008
ENSXETG00000000109	RPS12	ribosomal protein S12 [Source:Jamboree;Acc:XB-GENE-972800]	0.5227	0.0000
ENSXETG00000026454	RPS13	ribosomal protein S13 [Source:Jamboree;Acc:XB-GENE-940105]	0.5566	0.0003
ENSXETG00000003706	RPS15	ribosomal protein S15 [Source:Jamboree;Acc:XB-GENE-5832673]	0.5651	0.0003
ENSXETG00000002942	RPS15A	ribosomal protein S15a [Source:Jamboree;Acc:XB-GENE-981311]	0.6102	0.0000
ENSXETG00000020394	RPS18	ribosomal protein S18 [Source:Jamboree;Acc:XB-GENE-488842]	0.5813	0.0000
ENSXETG00000025510	RPS19	ribosomal protein S19 [Source:Jamboree;Acc:XB-GENE-968799]	0.5499	0.0000
ENSXETG00000002012	RPS21	ribosomal protein S21 [Source:Jamboree;Acc:XB-GENE-1007930]	0.5631	0.0004
ENSXETG00000018137	RPS24	ribosomal protein S24 [Source:Jamboree;Acc:XB-GENE-967645]	0.6253	0.0000
ENSXETG00000024836	RPS27	ribosomal protein S27 [Source:Jamboree;Acc:XB-GENE-5953676]	0.5644	0.0000
ENSXETG00000027734	RPS29	ribosomal protein S29 [Source:Jamboree;Acc:XB-GENE-1016214]	0.5923	0.0002
ENSXETG00000010729	RPS3	ribosomal protein S3 [Source:Jamboree;Acc:XB-GENE-978298]	0.5787	0.0001

ENSXETG00000009396	RPS3A	ribosomal protein S3A [Source:Jamboree;Acc:XB-GENE-976731]	0.7643	0.0002
ENSXETG00000023100	RPS6	ribosomal protein S6 [Source:Jamboree;Acc:XB-GENE-1003287]	0.5986	0.0000
ENSXETG00000010285	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3 [Source:Jamboree;Acc:XB-GENE-480947]	0.8254	0.0438
ENSXETG00000014506	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6 [Source:Jamboree;Acc:XB-GENE-487733]	0.7892	0.0044
ENSXETG00000009030	RPS9	ribosomal protein S9 [Source:Jamboree;Acc:XB-GENE-5930153]	0.8455	0.0320
ENSXETG00000015973	RPUSD2	RNA pseudouridylate synthase domain containing 2 [Source:Jamboree;Acc:XB-GENE-994596]	0.7069	0.0325
ENSXETG00000019685	RRAS2	related RAS viral (r-ras) oncogene homolog 2 [Source:HGNC Symbol;Acc:HGNC:17271]	0.7937	0.0193
ENSXETG00000015435	RREB1	ras responsive element binding protein 1 [Source:Jamboree;Acc:XB-GENE-492150]	0.5363	0.0409
ENSXETG00000024113	RRH	retinal pigment epithelium-derived rhodopsin homolog [Source:Jamboree;Acc:XB-GENE-6076482]	0.1782	0.0000
ENSXETG00000003999	RRM1	ribonucleotide reductase M1 [Source:Jamboree;Acc:XB-GENE-1014077]	0.3049	0.0000
ENSXETG00000003527	RRM2.1	ribonucleotide reductase M2, gene 1 [Source:Jamboree;Acc:XB-GENE-947052]	0.0776	0.0000
ENSXETG00000003430	RRP12	ribosomal RNA processing 12 homolog [Source:Jamboree;Acc:XB-GENE-993600]	0.8052	0.0455
ENSXETG00000013414	RRP7A	ribosomal RNA processing 7 homolog A [Source:Jamboree;Acc:XB-GENE-966048]	0.6801	0.0262
ENSXETG00000007376	RSL24D1	ribosomal L24 domain containing 1 [Source:Jamboree;Acc:XB-GENE-979826]	0.7464	0.0237
ENSXETG00000014056	RTKN2	rhotekin 2 [Source:Jamboree;Acc:XB-GENE-993318]	0.3152	0.0000
ENSXETG00000024454	RTN2	reticulon 2 [Source:Jamboree;Acc:XB-GENE-941644]	0.7686	0.0022
ENSXETG00000002064	RUVBL1	RuvB-like 1 [Source:Jamboree;Acc:XB-GENE-486361]	0.6449	0.0000
ENSXETG00000025105	RUVBL2	RuvB-like 2 [Source:Jamboree;Acc:XB-GENE-483344]	0.6761	0.0013
ENSXETG00000002554	RXFP3	relaxin/insulin-like family peptide receptor 3 [Source:Jamboree;Acc:XB-GENE-478939]	0.5931	0.0000
ENSXETG00000008324	S100A11	S100 calcium binding protein A11 [Source:Jamboree;Acc:XB-GENE-5784685]	0.6124	0.0092
ENSXETG00000011640	S1PR5	sphingosine-1-phosphate receptor 5 [Source:Jamboree;Acc:XB-GENE-5902381]	0.3215	0.0000
ENSXETG00000018417	SALL1	sal-like 1 [Source:Jamboree;Acc:XB-GENE-491393]	0.4408	0.0000
ENSXETG00000017176	SALL2	sal-like 2 [Source:Jamboree;Acc:XB-GENE-494377]	0.4281	0.0000
ENSXETG00000012326	SALL4	sal-like 4 [Source:Jamboree;Acc:XB-GENE-485252]	0.2101	0.0000
ENSXETG00000009598	SAP18	Sin3A-associated protein, 18kDa [Source:Jamboree;Acc:XB-GENE-481689]	0.7646	0.0461
ENSXETG00000008009	SARS	seryl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-969040]	0.6334	0.0004
ENSXETG00000013202	SASS6.2	spindle assembly 6 homolog [Source:Jamboree;Acc:XB-GENE-962704]	0.6554	0.0098
ENSXETG00000020354	SCAP	SREBF chaperone [Source:Jamboree;Acc:XB-GENE-996521]	0.8175	0.0211
ENSXETG00000029703	SCARNA16	Small Cajal body specific RNA 16 [Source:RFAM;Acc:RF00424]	0.4883	0.0307
ENSXETG00000018954	SCNN1A	sodium channel, nonvoltage-gated 1 alpha [Source:Jamboree;Acc:XB-GENE-996083]	0.0476	0.0000
ENSXETG00000004424	SCUBE2	signal peptide, CUB domain, EGF-like 2 [Source:Jamboree;Acc:XB-GENE-5945055]	0.3889	0.0000
ENSXETG00000020871	SDAD1	SDA1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-1008732]	0.6858	0.0085
ENSXETG00000022838	SDC4	syndecan 4 [Source:Jamboree;Acc:XB-GENE-5727116]	0.3674	0.0000
ENSXETG00000027356	SEC61B	Sec61 beta subunit [Source:Jamboree;Acc:XB-GENE-493431]	0.7873	0.0088
ENSXETG00000020722	SELENBP1	selenium binding protein 1 [Source:Jamboree;Acc:XB-GENE-959074]	0.6008	0.0002
ENSXETG00000007179	SEMA3F	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F precursor [Source:RefSeq peptide;Acc:NP_001006924]	0.8276	0.0143
ENSXETG00000012021	SEMA5B	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B [Source:Jamboree;Acc:XB-GENE-959729]	0.7376	0.0004
ENSXETG00000009151	SEPT12	septin 12 [Source:Jamboree;Acc:XB-GENE-5894593]	0.4690	0.0000
ENSXETG00000012166	SEPT2	septin 2 [Source:Jamboree;Acc:XB-GENE-480201]	0.7314	0.0089
ENSXETG00000018605	SEPT2-A	Septin-2A [Source:UniProtKB/Swiss-Prot;Acc:Q5BKN4]	0.7357	0.0005
ENSXETG00000000261	SEPT3	septin 3 [Source:Jamboree;Acc:XB-GENE-1002286]	0.6778	0.0000
ENSXETG00000012394	SERBP1	SERPINE1 mRNA binding protein 1 [Source:Jamboree;Acc:XB-GENE-494265]	0.7293	0.0005
ENSXETG00000018832	SERP1	stress-associated endoplasmic reticulum protein 1 [Source:Jamboree;Acc:XB-GENE-1004958]	0.6275	0.0000
ENSXETG00000027686	SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1 [Source:Jamboree;Acc:XB-GENE-945026]	0.3839	0.0000
ENSXETG00000001921	SETD1A	SET domain containing 1A [Source:Jamboree;Acc:XB-GENE-6046043]	0.8252	0.0077
ENSXETG00000008434	SF1	splicing factor 1 [Source:Jamboree;Acc:XB-GENE-994148]	0.7234	0.0000
ENSXETG00000024943	SF3A2	splicing factor 3a, subunit 2, 66kDa [Source:Jamboree;Acc:XB-GENE-492856]	0.7224	0.0008
ENSXETG00000022923	SF3A3	splicing factor 3a, subunit 3, 60kDa [Source:Jamboree;Acc:XB-GENE-947674]	0.6407	0.0000
ENSXETG00000008422	SF3B2	splicing factor 3b, subunit 2, 145kDa [Source:Jamboree;Acc:XB-GENE-5875780]	0.7446	0.0035
ENSXETG00000011038	SF3B4	splicing factor 3b, subunit 4, 49kDa [Source:Jamboree;Acc:XB-GENE-492933]	0.8052	0.0336
ENSXETG00000007776	SFRP1	secreted frizzled-related protein 1 [Source:Jamboree;Acc:XB-GENE-488230]	0.2906	0.0000
ENSXETG00000026087	SFRP2	secreted frizzled-related protein 2 [Source:Jamboree;Acc:XB-GENE-485147]	0.3212	0.0000
ENSXETG00000024699	SFRP5	secreted frizzled-related protein 5 [Source:Jamboree;Acc:XB-GENE-482920]	0.6923	0.0068
ENSXETG00000015227	SFXN2	sideroflexin 2 [Source:Jamboree;Acc:XB-GENE-956699]	0.5140	0.0002
ENSXETG00000017090	SGK223	homolog of rat pragma of Rnd2 [Source:Jamboree;Acc:XB-GENE-5933625]	0.4748	0.0017
ENSXETG00000012330	SH3BGRL3	SH3 domain binding glutamic acid-rich protein like 3 [Source:Jamboree;Acc:XB-GENE-965976]	0.7848	0.0011
ENSXETG00000010910	SH3BP4	SH3-domain binding protein 4 [Source:Jamboree;Acc:XB-GENE-970857]	0.7558	0.0318
ENSXETG00000018790	SH3PXD2B	SH3 and PX domains 2B [Source:Jamboree;Acc:XB-GENE-1009043]	0.6638	0.0000
ENSXETG00000017069	SHCBP1	SHC SH2-domain binding protein 1 [Source:Jamboree;Acc:XB-GENE-5807675]	0.4265	0.0000
ENSXETG00000024151	SHD	Src homology 2 domain containing transforming protein D [Source:Jamboree;Acc:XB-GENE-492409]	0.0769	0.0000
ENSXETG00000013504	SHH	sonic hedgehog [Source:Jamboree;Acc:XB-GENE-488039]	0.4889	0.0000
ENSXETG00000021072	SHISA3	shisa 3 [Source:Jamboree;Acc:XB-GENE-939878]	0.6089	0.0037
ENSXETG00000017162	SHMT2	serine hydroxymethyltransferase 2 (mitochondrial) [Source:Jamboree;Acc:XB-GENE-957476]	0.7350	0.0009
ENSXETG00000016879	SHOX	short stature homeobox [Source:Jamboree;Acc:XB-GENE-920752]	0.7211	0.0001
ENSXETG00000014058	SHOX2	short stature homeobox 2 [Source:Jamboree;Acc:XB-GENE-480993]	0.6253	0.0000
ENSXETG00000019941	SHROOM3	shroom family member 3 [Source:Jamboree;Acc:XB-GENE-490224]	0.4223	0.0000
ENSXETG00000024697	SIVA1	SIVA1, apoptosis-inducing factor [Source:Jamboree;Acc:XB-GENE-5854215]	0.4318	0.0003
ENSXETG00000016943	SIX1	SIX homeobox 1 [Source:Jamboree;Acc:XB-GENE-480717]	0.2415	0.0072
ENSXETG00000026158	SIX2	SIX homeobox 2 [Source:Jamboree;Acc:XB-GENE-481504]	0.1757	0.0027
ENSXETG00000009595	SKA3	spindle and kinetochore associated complex subunit 3 [Source:Jamboree;Acc:XB-GENE-994918]	0.3357	0.0000
ENSXETG00000007811	SKOR1	SKI family transcriptional corepressor 1 [Source:Jamboree;Acc:XB-GENE-877133]	0.5321	0.0000
ENSXETG00000004797	SKP2	S-phase kinase-associated protein 2 (p45) [Source:Jamboree;Acc:XB-GENE-919619]	0.6042	0.0004
ENSXETG00000003876	SLBP	stem-loop binding protein [Source:Jamboree;Acc:XB-GENE-480369]	0.6163	0.0000
ENSXETG00000005430	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4 [Source:Jamboree;Acc:XB-GENE-1014107]	0.6137	0.0000
ENSXETG00000007850	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3 [Source:Jamboree;Acc:XB-GENE-5765054]	0.5419	0.0336
ENSXETG00000008163	SLC13A4	solute carrier family 13 (sodium/sulfate symporter), member 4 [Source:RefSeq peptide;Acc:NP_001025671]	0.7862	0.0174
ENSXETG00000021337	SLC16A10	solute carrier family 16, member 10 (aromatic amino acid transporter) [Source:Jamboree;Acc:XB-GENE-1012623]	0.5550	0.0164
ENSXETG00000011482	SLC19A1	solute carrier family 19 (folate transporter), member 1 [Source:Jamboree;Acc:XB-GENE-949159]	0.7299	0.0276
ENSXETG00000018275	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5 [Source:Jamboree;Acc:XB-GENE-482596]	0.5017	0.0004
ENSXETG00000018957	SLC20A1	solute carrier family 20 (phosphate transporter), member 1 [Source:Jamboree;Acc:XB-GENE-482940]	0.6325	0.0000
ENSXETG00000015362	SLC25A22	solute carrier family 25 (mitochondrial carrier: glutamate), member 22 [Source:RefSeq peptide;Acc:NP_001005430]	0.5443	0.0000
ENSXETG00000018767	SLC25A3	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3 [Source:Jamboree;Acc:XB-GENE-489634]	0.8398	0.0293
ENSXETG00000004096	SLC25A32	solute carrier family 25, member 32 [Source:Jamboree;Acc:XB-GENE-948423]	0.7037	0.0091
ENSXETG00000006224	SLC26A10	solute carrier family 26, member 10 [Source:Jamboree;Acc:XB-GENE-6043616]	0.4092	0.0165
ENSXETG00000012233	SLC26A3.1	solute carrier family 26, member 3, gene 1 [Source:Jamboree;Acc:XB-GENE-855719]	0.2151	0.0059
ENSXETG00000012196	SLC26A4	solute carrier family 26, member 4 [Source:Jamboree;Acc:XB-GENE-950380]	0.2487	0.0003
ENSXETG00000006884	SLC2A6	solute carrier family 2 (facilitated glucose transporter), member 6 [Source:Jamboree;Acc:XB-GENE-5944908]	0.6608	0.0006
ENSXETG00000021580	SLC2A7	solute carrier family 2 (facilitated glucose transporter), member 7 [Source:Jamboree;Acc:XB-GENE-5811422]	0.4819	0.0000
ENSXETG00000009196	SLC30A2	solute carrier family 30 (zinc transporter), member 2 [Source:Jamboree;Acc:XB-GENE-494395]	0.4354	0.0058
ENSXETG00000000954	SLC34A2	solute carrier family 34 (sodium phosphate), member 2 [Source:Jamboree;Acc:XB-GENE-483740]	0.1549	0.0005
ENSXETG00000011939	SLC38A5	solute carrier family 38, member 5 [Source:Jamboree;Acc:XB-GENE-5856213]	0.2529	0.0000
ENSXETG00000001368	SLC39A12	solute carrier family 39 (zinc transporter), member 12 [Source:Jamboree;Acc:XB-GENE-6051312]	0.3279	0.0000
ENSXETG00000022503	SLC4A1AP	solute carrier family 4 (anion exchanger), member 1, adaptor protein [Source:Jamboree;Acc:XB-GENE-478512]	0.7264	0.0010
ENSXETG00000012098	SLC4A5	solute carrier family 4, sodium bicarbonate cotransporter, member 5 [Source:Jamboree;Acc:XB-GENE-854491]	0.3286	0.0001
ENSXETG00000003633	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1 [Source:Jamboree;Acc:XB-GENE-5824076]	0.8039	0.0394
ENSXETG00000023526	SLC6A16	solute carrier family 6, member 16 [Source:Jamboree;Acc:XB-GENE-996340]	0.5924	0.0443
ENSXETG00000005504	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 [Source:Jamboree;Acc:XB-GENE-984439]	0.6644	0.0006
ENSXETG00000003335	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 [Source:Jamboree;Acc:XB-GENE-960114]	0.3521	0.0000
ENSXETG00000000683	SLC7A2.1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 1 [Source:Jamboree;Acc:XB-GENE-994549]	0.3951	0.0000

ENSXETG00000015899	SLC7A2.2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 2 [Source:Jamboree;Acc:XB-GENE-5763997]	0.1357	0.0001
ENSXETG00000005526	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3 [Source:Jamboree;Acc:XB-GENE-1002485]	0.3104	0.0007
ENSXETG00000016585	SLC7A5	solute carrier family 7 (amino acid transporter light chain, L system), member 5 [Source:Jamboree;Acc:XB-GENE-480035]	0.5051	0.0028
ENSXETG00000014603	SLC7A8	solute carrier family 7 (amino acid transporter light chain, L system), member 8 [Source:Jamboree;Acc:XB-GENE-485467]	0.7331	0.0003
ENSXETG00000015232	SLCO5A1	solute carrier organic anion transporter family, member 5A1 [Source:Jamboree;Acc:XB-GENE-480413]	0.5633	0.0000
ENSXETG00000020473	SLIT2	slit homolog 2 [Source:Jamboree;Acc:XB-GENE-1004410]	0.8169	0.0300
ENSXETG00000026047	SMAD1	SMAD family member 1 [Source:Jamboree;Acc:XB-GENE-1018193]	0.7343	0.0020
ENSXETG00000009355	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 [Source:Jamboree;Acc:XB-GENE-483983]	0.7646	0.0008
ENSXETG00000017566	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 [Source:Jamboree;Acc:XB-GENE-494817]	0.4578	0.0000
ENSXETG00000014492	SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 [Source:Jamboree;Acc:XB-GENE-5906750]	0.6769	0.0000
ENSXETG00000013357	SMARCD1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1 [Source:Jamboree;Acc:XB-GENE-491104]	0.5231	0.0000
ENSXETG00000021355	SMARCE1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 [Source:Jamboree;Acc:XB-GENE-482511]	0.7709	0.0027
ENSXETG00000010209	SMC2	structural maintenance of chromosomes 2 [Source:Jamboree;Acc:XB-GENE-5826169]	0.0686	0.0000
ENSXETG00000008717	SMC4	structural maintenance of chromosomes 4 [Source:Jamboree;Acc:XB-GENE-5865855]	0.2074	0.0000
ENSXETG00000015569	SMC6	structural maintenance of chromosomes 6 [Source:Jamboree;Acc:XB-GENE-6071284]	0.6881	0.0061
ENSXETG00000001609	SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1 [Source:Jamboree;Acc:XB-GENE-968672]	0.7926	0.0092
ENSXETG00000018189	SMN2	survival of motor neuron 2, centromeric [Source:Jamboree;Acc:XB-GENE-489160]	0.7734	0.0086
ENSXETG00000014939	SMO	smoothened, frizzled family receptor [Source:Jamboree;Acc:XB-GENE-487420]	0.3658	0.0000
ENSXETG00000016155	SMTN	smoothelin [Source:Jamboree;Acc:XB-GENE-951898]	0.4382	0.0000
ENSXETG00000013541	SMYD4	SET and MYND domain containing 4 [Source:Jamboree;Acc:XB-GENE-945037]	0.4273	0.0000
ENSXETG00000011764	SMYD5	SMYD family member 5 [Source:Jamboree;Acc:XB-GENE-988091]	0.5352	0.0000
ENSXETG00000027366	SNAI1	snail homolog 1 [Source:Jamboree;Acc:XB-GENE-479970]	0.4010	0.0104
ENSXETG00000027392	SNCAIP	synuclein, alpha interacting protein [Source:Jamboree;Acc:XB-GENE-948743]	0.7515	0.0045
ENSXETG00000029625	SNORA27	Small nucleolar RNA SNORA27 [Source:RFAM;Acc:RF00443]	0.7484	0.0154
ENSXETG00000029688	SNORA36	Small nucleolar RNA SNORA36 family [Source:RFAM;Acc:RF00340]	0.6835	0.0000
ENSXETG00000029626	SNORA5	Small nucleolar RNA SNORA5 [Source:RFAM;Acc:RF00392]	0.7952	0.0453
ENSXETG00000029268	SNORA69	Small nucleolar RNA SNORA69 [Source:RFAM;Acc:RF00265]	0.5784	0.0000
ENSXETG00000029813	SNORA79	Small nucleolar RNA SNORA79 [Source:RFAM;Acc:RF00600]	0.6469	0.0000
ENSXETG00000029234	SNORA8	Small nucleolar RNA SNORA8 [Source:RFAM;Acc:RF00393]	0.7460	0.0119
ENSXETG00000029279	SNORD12	Small nucleolar SNORD12/SNORD106 [Source:RFAM;Acc:RF00581]	0.6611	0.0234
ENSXETG00000029250	SNORD35	Small nucleolar RNA SNORD35 [Source:RFAM;Acc:RF00211]	0.6948	0.0015
ENSXETG00000029745	SNORD89	Small nucleolar RNA SNORD89 [Source:RFAM;Acc:RF00578]	0.1662	0.0000
ENSXETG00000002585	SNRPA	small nuclear ribonucleoprotein polypeptide A [Source:Jamboree;Acc:XB-GENE-494246]	0.6616	0.0001
ENSXETG00000003550	SNRPB2	small nuclear ribonucleoprotein polypeptide B [Source:Jamboree;Acc:XB-GENE-1010457]	0.7310	0.0045
ENSXETG00000002173	SNRPD2	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa [Source:Jamboree;Acc:XB-GENE-964248]	0.5821	0.0000
ENSXETG00000004471	SNRPE	small nuclear ribonucleoprotein polypeptide E [Source:Jamboree;Acc:XB-GENE-5922245]	0.7495	0.0002
ENSXETG00000021630	SNRPF	small nuclear ribonucleoprotein polypeptide F [Source:Jamboree;Acc:XB-GENE-1017067]	0.6251	0.0000
ENSXETG00000008512	SNRPG	small nuclear ribonucleoprotein polypeptide G [Source:Jamboree;Acc:XB-GENE-5874501]	0.6508	0.0026
ENSXETG00000011087	SNW1	SNW domain containing 1 [Source:Jamboree;Acc:XB-GENE-1006928]	0.8305	0.0357
ENSXETG00000023815	SOCS2	suppressor of cytokine signaling 2 [Source:Jamboree;Acc:XB-GENE-487261]	0.6000	0.0000
ENSXETG00000024632	SOCS3	suppressor of cytokine signaling 3 [Source:Jamboree;Acc:XB-GENE-488199]	0.3292	0.0419
ENSXETG00000023439	SOX11	SRY (sex determining region Y)-box 11 [Source:Jamboree;Acc:XB-GENE-483418]	0.5700	0.0000
ENSXETG00000017139	SOX13	SRY (sex determining region Y)-box 13 [Source:Jamboree;Acc:XB-GENE-481889]	0.4656	0.0175
ENSXETG00000022689	SOX14	SRY (sex determining region Y)-box 14 [Source:Jamboree;Acc:XB-GENE-485370]	0.6118	0.0000
ENSXETG00000026292	SOX2	SRY (sex determining region Y)-box 2 [Source:Jamboree;Acc:XB-GENE-484553]	0.7943	0.0096
ENSXETG00000010955	SOX21	SRY (sex determining region Y)-box 21 [Source:Jamboree;Acc:XB-GENE-486445]	0.6548	0.0000
ENSXETG00000007607	SOX3	SRY (sex determining region Y)-box 3 [Source:Jamboree;Acc:XB-GENE-484815]	0.3776	0.0000
ENSXETG00000012660	SP1	Sp1 transcription factor [Source:Jamboree;Acc:XB-GENE-853336]	0.6431	0.0000
ENSXETG00000025407	SP5	Sp5 transcription factor [Source:Jamboree;Acc:XB-GENE-1217606]	0.5038	0.0000
ENSXETG00000007384	SPAG6	sperm associated antigen 6 [Source:Jamboree;Acc:XB-GENE-942175]	0.5356	0.0036
ENSXETG00000010707	SPARC	secreted protein, acidic, cysteine-rich (osteonectin) [Source:Jamboree;Acc:XB-GENE-1009630]	0.8123	0.0293
ENSXETG00000010306	SPC25	SPC25, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-950628]	0.4928	0.0000
ENSXETG00000021044	SPON2	spondin 2, extracellular matrix protein [Source:Jamboree;Acc:XB-GENE-945214]	0.1822	0.0002
ENSXETG00000008083	SPTLC3	serine palmitoyltransferase, long chain base subunit 3 [Source:Jamboree;Acc:XB-GENE-5791607]	0.5860	0.0008
ENSXETG00000023050	SQLE	squalene epoxidase [Source:Jamboree;Acc:XB-GENE-1013583]	0.7924	0.0259
ENSXETG00000022046	SQRDL	sulfide quinone reductase-like [Source:Jamboree;Acc:XB-GENE-957726]	0.4632	0.0000
ENSXETG00000002760	SRBD1	S1 RNA binding domain 1 [Source:Jamboree;Acc:XB-GENE-6035351]	0.5265	0.0060
ENSXETG00000017318	SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog [Source:Jamboree;Acc:XB-GENE-489820]	0.7243	0.0003
ENSXETG00000001731	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1) [Source:Jamboree;Acc:XB-GENE-1000046]	0.7066	0.0035
ENSXETG00000004681	SRFBP1	serum response factor binding protein 1 [Source:Jamboree;Acc:XB-GENE-941165]	0.7317	0.0124
ENSXETG00000008793	SRI	sorcin [Source:Jamboree;Acc:XB-GENE-952117]	0.7151	0.0013
ENSXETG00000012631	SRP68	signal recognition particle 68kDa [Source:Jamboree;Acc:XB-GENE-993904]	0.8171	0.0248
ENSXETG00000000426	SRPK1	SRSF protein kinase 1 [Source:Jamboree;Acc:XB-GENE-941978]	0.6891	0.0002
ENSXETG00000008954	SRSF1	serine/arginine-rich splicing factor 1 [Source:Jamboree;Acc:XB-GENE-486875]	0.7842	0.0008
ENSXETG00000027112	SRSF10	serine/arginine-rich splicing factor 10 [Source:Jamboree;Acc:XB-GENE-492982]	0.7981	0.0095
ENSXETG00000001701	SRSF3	serine/arginine-rich splicing factor 3 [Source:Jamboree;Acc:XB-GENE-490817]	0.7703	0.0006
ENSXETG00000014380	SRSF4	serine/arginine-rich splicing factor 4 [Source:Jamboree;Acc:XB-GENE-493077]	0.8514	0.0360
ENSXETG00000006922	SS18	synovial sarcoma translocation, chromosome 18 [Source:Jamboree;Acc:XB-GENE-995006]	0.7572	0.0025
ENSXETG00000025402	SSB	Sjogren syndrome antigen B (autoantigen La) [Source:Jamboree;Acc:XB-GENE-491374]	0.7773	0.0025
ENSXETG00000020197	SSBP1	single-stranded DNA binding protein 1 [Source:Jamboree;Acc:XB-GENE-979709]	0.6449	0.0014
ENSXETG00000022940	SSBP4	single stranded DNA binding protein 4 [Source:Jamboree;Acc:XB-GENE-994793]	0.7842	0.0025
ENSXETG00000027723	SSR3	signal sequence receptor, gamma (translocon-associated protein gamma) [Source:Jamboree;Acc:XB-GENE-964603]	0.7435	0.0385
ENSXETG00000007763	STC1	stanniocalcin 1 [Source:Jamboree;Acc:XB-GENE-949749]	0.1916	0.0000
ENSXETG00000012730	STC2	stanniocalcin 2 [Source:Jamboree;Acc:XB-GENE-1015863]	0.3812	0.0000
ENSXETG00000014423	STK10	serine/threonine kinase 10 [Source:Jamboree;Acc:XB-GENE-494456]	0.5879	0.0247
ENSXETG00000002497	STK19	serine/threonine kinase 19 [Source:Jamboree;Acc:XB-GENE-479237]	0.7460	0.0020
ENSXETG00000022832	STK4	serine/threonine kinase 4 [Source:Jamboree;Acc:XB-GENE-955920]	0.6810	0.0108
ENSXETG00000009198	STMN1	stathmin 1 [Source:Jamboree;Acc:XB-GENE-481615]	0.7368	0.0002
ENSXETG00000025791	STOML2	stomatin (EPB72)-like 2 [Source:Jamboree;Acc:XB-GENE-1017042]	0.6391	0.0000
ENSXETG00000017775	STT3A	STT3, subunit of the oligosaccharyltransferase complex, homolog A [Source:Jamboree;Acc:XB-GENE-973638]	0.7724	0.0120
ENSXETG00000027901	STXBP4	syntaxin binding protein 4 [Source:Jamboree;Acc:XB-GENE-973737]	0.7127	0.0039
ENSXETG00000027218	SUB1	SUB1 homolog [Source:Jamboree;Acc:XB-GENE-1015843]	0.8210	0.0114
ENSXETG00000002522	SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit [Source:Jamboree;Acc:XB-GENE-956242]	0.5906	0.0000
ENSXETG00000022377	SUDS3	suppressor of defective silencing 3 homolog [Source:Jamboree;Acc:XB-GENE-5887379]	0.8126	0.0246
ENSXETG00000015231	SULF1	sulfatase 1 [Source:Jamboree;Acc:XB-GENE-966419]	0.2582	0.0000
ENSXETG00000012821	SULT1A1	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1 [Source:Jamboree;Acc:XB-GENE-970475]	0.5491	0.0090
ENSXETG00000009267	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2 [Source:Jamboree;Acc:XB-GENE-6041310]	0.3632	0.0004
ENSXETG00000014385	SULT2B1	sulfotransferase family, cytosolic, 2B, member 1 [Source:Jamboree;Acc:XB-GENE-5805878]	0.4717	0.0007
ENSXETG00000007889	SULT6B1	sulfotransferase family, cytosolic, 6B, member 1 [Source:Jamboree;Acc:XB-GENE-5735978]	0.2120	0.0000
ENSXETG00000012516	SUMO2	SMT3 suppressor of mif two 3 homolog 2 [Source:Jamboree;Acc:XB-GENE-969139]	0.7814	0.0096
ENSXETG00000027526	SURF1	surfeit 1 [Source:Jamboree;Acc:XB-GENE-6453389]	0.7611	0.0499
ENSXETG00000027524	SURF2	surfeit 2 [Source:Jamboree;Acc:XB-GENE-5845092]	0.6503	0.0005
ENSXETG00000005018	SURF6	surfeit 6 [Source:Jamboree;Acc:XB-GENE-969953]	0.6489	0.0002
ENSXETG00000019936	SUSD2	sushi domain containing 2 [Source:Jamboree;Acc:XB-GENE-5887491]	0.5269	0.0066
ENSXETG00000005401	SUV39H2	suppressor of variegation 3-9 homolog 2 [Source:Jamboree;Acc:XB-GENE-852675]	0.2927	0.0270
ENSXETG00000018075	SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein [Source:Jamboree;Acc:XB-GENE-920046]	0.6550	0.0000

ENSXETG00000001322	SYNGR2	synaptogyrin 2 [Source:Jamboree;Acc:XB-GENE-1005721]	0.7296	0.0145
ENSXETG00000011869	SYPL2	synaptophysin-like 2 [Source:Jamboree;Acc:XB-GENE-950184]	0.3588	0.0028
ENSXETG00000001696	SYT6	synaptotagmin VI [Source:Jamboree;Acc:XB-GENE-953252]	0.8072	0.0387
ENSXETG00000023327	SYVN1	synovial apoptosis inhibitor 1, synoviolin [Source:Jamboree;Acc:XB-GENE-1005361]	0.7609	0.0003
ENSXETG00000003874	TACC3	transforming, acidic coiled-coil containing protein 3 [Source:Jamboree;Acc:XB-GENE-483950]	0.1164	0.0000
ENSXETG00000023330	TAF5L	TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa [Source:Jamboree;Acc:XB-GENE-998039]	0.7615	0.0223
ENSXETG00000000908	TAL2	T-cell acute lymphocytic leukemia 2 [Source:Jamboree;Acc:XB-GENE-965184]	0.6770	0.0000
ENSXETG00000001671	TALDO1	transaldolase 1 [Source:Jamboree;Acc:XB-GENE-1005380]	0.6979	0.0042
ENSXETG00000016570	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) [Source:Jamboree;Acc:XB-GENE-481680]	0.7047	0.0236
ENSXETG00000012644	TARBP2	TAR (HIV-1) RNA binding protein 2 [Source:Jamboree;Acc:XB-GENE-491800]	0.7166	0.0003
ENSXETG00000009868	TARS	threonyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-975289]	0.3724	0.0000
ENSXETG00000007217	TBL3	transducin (beta)-like 3 [Source:Jamboree;Acc:XB-GENE-1012176]	0.6657	0.0008
ENSXETG00000018148	TBX18	T-box 18 [Source:Jamboree;Acc:XB-GENE-489907]	0.3244	0.0000
ENSXETG00000020557	TBX2	T-box 2 [Source:Jamboree;Acc:XB-GENE-1018115]	0.6268	0.0411
ENSXETG00000006579	TBX3	T-box 3 [Source:Jamboree;Acc:XB-GENE-1018231]	0.6576	0.0281
ENSXETG00000015819	TC2N	tandem C2 domains, nuclear [Source:Jamboree;Acc:XB-GENE-983033]	0.5114	0.0000
ENSXETG00000008099	TCEA1	transcription elongation factor A (SII), 1 [Source:Jamboree;Acc:XB-GENE-1001315]	0.6984	0.0000
ENSXETG00000013589	TCF3	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) [Source:Jamboree;Acc:XB-GENE-478265]	0.6962	0.0001
ENSXETG00000016100	TCF7	transcription factor 7 (T-cell specific, HMG-box) [Source:Jamboree;Acc:XB-GENE-855462]	0.5584	0.0118
ENSXETG00000010891	TCTE1	t-complex-associated-testis-expressed 1 [Source:Jamboree;Acc:XB-GENE-996398]	0.4258	0.0161
ENSXETG00000025927	TDG	thymine-DNA glycosylase [Source:Jamboree;Acc:XB-GENE-1006128]	0.7796	0.0050
ENSXETG00000003395	TEAD4	TEA domain family member 4 [Source:Jamboree;Acc:XB-GENE-956369]	0.4863	0.0000
ENSXETG00000001074	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha) [Source:Jamboree;Acc:XB-GENE-481201]	0.5265	0.0000
ENSXETG00000021674	TFAP2B	transcription factor AP-2 beta (activating enhancer binding protein 2 beta) [Source:Jamboree;Acc:XB-GENE-485026]	0.6438	0.0000
ENSXETG00000027719	TFAP2E	transcription factor AP-2 epsilon (activating enhancer binding protein 2 epsilon) [Source:Jamboree;Acc:XB-GENE-876803]	0.3887	0.0000
ENSXETG00000007852	TFB1M	transcription factor B1, mitochondrial [Source:Jamboree;Acc:XB-GENE-5721420]	0.5610	0.0002
ENSXETG00000014750	TFDP2	transcription factor Dp-2 (E2F dimerization partner 2) [Source:Jamboree;Acc:XB-GENE-1000260]	0.4048	0.0000
ENSXETG00000013900	TFPI2	tissue factor pathway inhibitor 2 [Source:Jamboree;Acc:XB-GENE-1002090]	0.3180	0.0000
ENSXETG00000003077	TFRC	transferrin receptor (p90, CD71) [Source:Jamboree;Acc:XB-GENE-487708]	0.7676	0.0069
ENSXETG00000024911	TGFA	transforming growth factor, alpha [Source:Jamboree;Acc:XB-GENE-852694]	0.5204	0.0074
ENSXETG00000018738	TGFB1	transforming growth factor, beta 1 [Source:Jamboree;Acc:XB-GENE-488111]	0.4783	0.0027
ENSXETG00000023394	TGFBR1	transforming growth factor, beta receptor 1 [Source:Jamboree;Acc:XB-GENE-478587]	0.7574	0.0073
ENSXETG00000025010	TGIF1	TGFB-induced factor homeobox 1 [Source:Jamboree;Acc:XB-GENE-853021]	0.2014	0.0000
ENSXETG00000017312	TGIF2	TGFB-induced factor homeobox 2 [Source:Jamboree;Acc:XB-GENE-876497]	0.0782	0.0000
ENSXETG00000014626	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) [Source:Jamboree;Acc:XB-GENE-1013422]	0.3153	0.0183
ENSXETG00000009985	THA1P	threonine aldolase 1 pseudogene [Source:Jamboree;Acc:XB-GENE-972838]	0.2350	0.0000
ENSXETG00000011217	THBS1	thrombospondin 1 [Source:Jamboree;Acc:XB-GENE-486189]	0.7561	0.0446
ENSXETG00000007902	THG1L	tRNA-histidine guanylyltransferase 1-like [Source:Jamboree;Acc:XB-GENE-966760]	0.7224	0.0217
ENSXETG00000022316	THOC3	THO complex 3 [Source:Jamboree;Acc:XB-GENE-1006090]	0.7222	0.0100
ENSXETG00000005391	THOC4	THO complex 4 [Source:Jamboree;Acc:XB-GENE-973553]	0.7308	0.0002
ENSXETG00000016384	THSD4	thrombospondin, type I, domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25835]	0.6586	0.0005
ENSXETG00000001447	THUMPD3	THUMP domain containing 3 [Source:Jamboree;Acc:XB-GENE-877264]	0.4842	0.0000
ENSXETG00000017769	TICRR	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:HGNC:28704]	0.5268	0.0018
ENSXETG00000027231	TIMM10	translocase of inner mitochondrial membrane 10 homolog [Source:Jamboree;Acc:XB-GENE-967786]	0.5803	0.0000
ENSXETG00000026175	TIMM23	translocase of inner mitochondrial membrane 23 homolog [Source:Jamboree;Acc:XB-GENE-994532]	0.8037	0.0201
ENSXETG00000026270	TIMM9	translocase of inner mitochondrial membrane 9 homolog [Source:Jamboree;Acc:XB-GENE-983801]	0.6056	0.0002
ENSXETG00000017634	TINAGL1	tubulointerstitial nephritis antigen-like 1 [Source:Jamboree;Acc:XB-GENE-991634]	0.5179	0.0012
ENSXETG00000012260	TIPARP	TCDD-inducible poly(ADP-ribose) polymerase [Source:Jamboree;Acc:XB-GENE-1000138]	0.7387	0.0214
ENSXETG00000001683	TJP2	tight junction protein 2 (zona occludens 2) [Source:Jamboree;Acc:XB-GENE-480467]	0.7005	0.0020
ENSXETG00000013999	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog) [Source:Jamboree;Acc:XB-GENE-868100]	0.4738	0.0000
ENSXETG00000018477	TLR6	toll-like receptor 6 [Source:Jamboree;Acc:XB-GENE-492949]	0.6382	0.0010
ENSXETG00000023319	TM7SF2	transmembrane 7 superfamily member 2 [Source:Jamboree;Acc:XB-GENE-1005373]	0.7936	0.0409
ENSXETG00000023000	TMED5	transmembrane emp24 protein transport domain containing 5 [Source:Jamboree;Acc:XB-GENE-951292]	0.7016	0.0008
ENSXETG00000017856	TMED6	transmembrane emp24 protein transport domain containing 6 [Source:Jamboree;Acc:XB-GENE-967876]	0.6528	0.0006
ENSXETG00000027666	TMEFF1	transmembrane protein with EGF-like and two follistatin-like domains 1 [Source:Jamboree;Acc:XB-GENE-876375]	0.7881	0.0054
ENSXETG00000001267	TMEM150A	transmembrane protein 150A [Source:Jamboree;Acc:XB-GENE-853147]	0.7143	0.0009
ENSXETG00000014335	TMEM161A	transmembrane protein 161A [Source:Jamboree;Acc:XB-GENE-1004051]	0.7194	0.0155
ENSXETG00000004702	TMEM170A	transmembrane protein 170A [Source:Jamboree;Acc:XB-GENE-955221]	0.7722	0.0303
ENSXETG00000004426	TMEM194A	transmembrane protein 194A [Source:Jamboree;Acc:XB-GENE-974573]	0.5596	0.0131
ENSXETG00000020218	TMEM204	transmembrane protein 204 [Source:Jamboree;Acc:XB-GENE-6258710]	0.5201	0.0001
ENSXETG00000023963	TMEM216	transmembrane protein 216 [Source:Jamboree;Acc:XB-GENE-5943045]	0.7823	0.0044
ENSXETG00000003133	TMEM26	transmembrane protein 26 [Source:Jamboree;Acc:XB-GENE-954810]	0.2050	0.0000
ENSXETG00000019603	TMEM52	transmembrane protein 52 [Source:Jamboree;Acc:XB-GENE-992217]	0.7135	0.0007
ENSXETG00000025626	TMEM69	transmembrane protein 69 [Source:Jamboree;Acc:XB-GENE-1014364]	0.6777	0.0055
ENSXETG00000018649	TMEM98	transmembrane protein 98 [Source:Jamboree;Acc:XB-GENE-5859301]	0.3298	0.0000
ENSXETG00000007294	TMPRSS12	transmembrane (C-terminal) protease, serine 12 [Source:Jamboree;Acc:XB-GENE-964846]	0.6634	0.0371
ENSXETG00000010125	TMPRSS13	transmembrane protease, serine 13 [Source:Jamboree;Acc:XB-GENE-940757]	0.6487	0.0375
ENSXETG00000005347	TMSB4X	thymosin beta 4, X-linked [Source:Jamboree;Acc:XB-GENE-6258559]	0.7312	0.0015
ENSXETG00000017493	TMTOPS	multiple tissue opsin [Source:Jamboree;Acc:XB-GENE-1018915]	0.4032	0.0002
ENSXETG00000003024	TMTOPS.2	multiple tissue opsin, gene 2 [Source:Jamboree;Acc:XB-GENE-1018917]	0.3241	0.0000
ENSXETG00000001175	TNK1	tyrosine kinase, non-receptor, 1 [Source:HGNC Symbol;Acc:HGNC:11940]	0.4752	0.0002
ENSXETG00000004621	TNNI2	troponin I type 2 (skeletal, fast) [Source:Jamboree;Acc:XB-GENE-478629]	0.0914	0.0000
ENSXETG00000015009	TNPO3	transportin 3 [Source:Jamboree;Acc:XB-GENE-998615]	0.8093	0.0195
ENSXETG00000019319	TOMM40	translocase of outer mitochondrial membrane 40 homolog [Source:Jamboree;Acc:XB-GENE-995150]	0.8050	0.0434
ENSXETG00000021362	TOP2A	topoisomerase (DNA) II alpha 170kDa [Source:Jamboree;Acc:XB-GENE-970178]	0.1241	0.0025
ENSXETG00000018565	TOP3B	topoisomerase (DNA) III beta [Source:Jamboree;Acc:XB-GENE-976087]	0.7610	0.0049
ENSXETG00000001854	TOPBP1	topoisomerase (DNA) II binding protein 1 [Source:Jamboree;Acc:XB-GENE-990637]	0.4649	0.0000
ENSXETG00000020167	TOX	thymocyte selection-associated high mobility group box [Source:Jamboree;Acc:XB-GENE-1019590]	0.8145	0.0235
ENSXETG00000006442	TOX3	TOX high mobility group box family member 3 [Source:Jamboree;Acc:XB-GENE-5887160]	0.6042	0.0000
ENSXETG00000025055	TP53	tumor protein p53 [Source:Jamboree;Acc:XB-GENE-484286]	0.6533	0.0000
ENSXETG00000014661	TPT1	tumor protein, translationally-controlled 1 [Source:Jamboree;Acc:XB-GENE-854747]	0.6668	0.0002
ENSXETG00000020701	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2 [Source:Jamboree;Acc:XB-GENE-1015881]	0.3363	0.0000
ENSXETG00000002548	TPX2	TPX2 protein, microtubule-associated [Source:Jamboree;Acc:XB-GENE-5810264]	0.2651	0.0000
ENSXETG00000007397	TRA2A	transformer 2 alpha homolog [Source:Jamboree;Acc:XB-GENE-492325]	0.8380	0.0227
ENSXETG00000027014	TRAF4	TNF receptor-associated factor 4 [Source:Jamboree;Acc:XB-GENE-990354]	0.5909	0.0000
ENSXETG00000007549	TRAF6	TNF receptor-associated factor 6 [Source:Jamboree;Acc:XB-GENE-480628]	0.7606	0.0447
ENSXETG00000005959	TRAIP	TRAF interacting protein [Source:Jamboree;Acc:XB-GENE-922321]	0.5480	0.0001
ENSXETG00000000663	TRAM2	translocation associated membrane protein 2 [Source:Jamboree;Acc:XB-GENE-960498]	0.5144	0.0001
ENSXETG00000019245	TRIM28	tripartite motif containing 28 [Source:Jamboree;Acc:XB-GENE-1005536]	0.7762	0.0036
ENSXETG00000011294	TRIM36	tripartite motif containing 36 [Source:Jamboree;Acc:XB-GENE-1017281]	0.7011	0.0212
ENSXETG00000016266	TRIM69.1	tripartite motif-containing 69, gene 1 [Source:Jamboree;Acc:XB-GENE-6462279]	0.7795	0.0061
ENSXETG00000015970	TRIOBP	TRIO and F-actin binding protein [Source:Jamboree;Acc:XB-GENE-492450]	0.6709	0.0037
ENSXETG00000013105	TRIP13	thyroid hormone receptor interactor 13 [Source:Jamboree;Acc:XB-GENE-974898]	0.0777	0.0000
ENSXETG00000004501	TRMT6	tRNA methyltransferase 6 homolog [Source:Jamboree;Acc:XB-GENE-973293]	0.7264	0.0062
ENSXETG00000023304	TRMU	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase [Source:Jamboree;Acc:XB-GENE-1010591]	0.5771	0.0000
ENSXETG00000016479	TRPM1	transient receptor potential cation channel, subfamily M, member 1 [Source:Jamboree;Acc:XB-GENE-492528]	0.8268	0.0482
ENSXETG00000009653	TSFM	Ts translation elongation factor, mitochondrial [Source:Jamboree;Acc:XB-GENE-964861]	0.7590	0.0367
ENSXETG00000005030	TSPYL2	TSPY-like 2 [Source:Jamboree;Acc:XB-GENE-1016996]	0.7785	0.0205
ENSXETG00000010177	TSTD2	thiosulfate sulfurtransferase (rhodanese)-like domain containing 2 [Source:Jamboree;Acc:XB-GENE-1015854]	0.7280	0.0023
ENSXETG00000019435	TTC14	tetratricopeptide repeat domain 14 [Source:Jamboree;Acc:XB-GENE-989065]	0.8205	0.0271
ENSXETG00000002263	TTC28	tetratricopeptide repeat domain 28 [Source:Jamboree;Acc:XB-GENE-998938]	0.7204	0.0022
ENSXETG00000021244	TTC34	tetratricopeptide repeat domain 34 [Source:Jamboree;Acc:XB-GENE-991680]	0.3165	0.0000

ENSXETG00000022003	TTF2	transcription termination factor, RNA polymerase II [Source:HGNC Symbol;Acc:HGNC:12398]	0.4670	0.0001
ENSXETG00000011768	TTK	TTK protein kinase [Source:Jamboree;Acc:XB-GENE-953775]	0.3244	0.0000
ENSXETG00000013887	TTLL4	tubulin tyrosine ligase-like family, member 4 [Source:Jamboree;Acc:XB-GENE-492394]	0.7747	0.0400
ENSXETG00000007975	TUBA3C	tubulin, alpha 3c [Source:Jamboree;Acc:XB-GENE-5788469]	0.7707	0.0007
ENSXETG00000019288	TUBA4B	tubulin, alpha 4b [Source:Jamboree;Acc:XB-GENE-489927]	0.7183	0.0065
ENSXETG00000024084	TUBB	tubulin, beta [Source:Jamboree;Acc:XB-GENE-482185]	0.7372	0.0000
ENSXETG00000018032	TUBB2B	tubulin, beta 2B [Source:Jamboree;Acc:XB-GENE-491121]	0.7474	0.0002
ENSXETG00000023413	TUBB3	tubulin, beta 3 [Source:Jamboree;Acc:XB-GENE-5886292]	0.7557	0.0001
ENSXETG00000000422	TULP1	tubby like protein 1 [Source:Jamboree;Acc:XB-GENE-5732938]	0.1911	0.0006
ENSXETG00000005640	TUT1	terminal uridylyl transferase 1, U6 snRNA-specific [Source:Jamboree;Acc:XB-GENE-491663]	0.7512	0.0000
ENSXETG00000025630	TWIST1	twist homolog 1 [Source:Jamboree;Acc:XB-GENE-479802]	0.3313	0.0382
ENSXETG00000014602	TWSG2	twisted gastrulation homolog 2 [Source:Jamboree;Acc:XB-GENE-487717]	0.7452	0.0121
ENSXETG00000020457	TXNDC5	thioredoxin domain containing 5 [Source:Jamboree;Acc:XB-GENE-490945]	0.7098	0.0002
ENSXETG00000019374	TXNDC9	thioredoxin domain containing 9 [Source:Jamboree;Acc:XB-GENE-990778]	0.8029	0.0211
ENSXETG00000011050	TXNIP	thioredoxin interacting protein [Source:Jamboree;Acc:XB-GENE-968442]	0.5399	0.0101
ENSXETG00000012905	TYRP1	tyrosinase-related protein 1 [Source:Jamboree;Acc:XB-GENE-1001464]	0.0624	0.0000
ENSXETG00000019128	U2AF2	U2 small nuclear RNA auxiliary factor 2 [Source:Jamboree;Acc:XB-GENE-494184]	0.8494	0.0424
ENSXETG00000029638	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	0.4853	0.0000
ENSXETG00000023202	UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1 [Source:Jamboree;Acc:XB-GENE-939925]	0.5802	0.0000
ENSXETG00000014881	UBE2C	ubiquitin-conjugating enzyme E2C [Source:Jamboree;Acc:XB-GENE-971108]	0.2925	0.0000
ENSXETG00000026975	UBE2E1	ubiquitin-conjugating enzyme E2E 1 [Source:Jamboree;Acc:XB-GENE-941508]	0.7837	0.0080
ENSXETG00000004027	UBE2I	ubiquitin-conjugating enzyme E2I [Source:Jamboree;Acc:XB-GENE-974017]	0.7893	0.0049
ENSXETG00000014428	UBTD2	ubiquitin domain containing 2 [Source:Jamboree;Acc:XB-GENE-947514]	0.7422	0.0123
ENSXETG00000018210	UBXN2A	UBX domain protein 2A [Source:Jamboree;Acc:XB-GENE-972873]	0.6835	0.0001
ENSXETG00000024158	UBXN6	UBX domain protein 6 [Source:Jamboree;Acc:XB-GENE-971811]	0.7885	0.0038
ENSXETG00000017357	UCK2	uridine-cytidine kinase 2 [Source:Jamboree;Acc:XB-GENE-942591]	0.5656	0.0000
ENSXETG00000022306	UHRF1	ubiquitin-like with PHD and ring finger domains 1 [Source:Jamboree;Acc:XB-GENE-5821474]	0.1587	0.0000
ENSXETG00000021215	UMPS	uridine monophosphate synthetase [Source:Jamboree;Acc:XB-GENE-5874685]	0.7505	0.0327
ENSXETG00000004021	UNCX	UNC homeobox [Source:Jamboree;Acc:XB-GENE-920201]	0.6984	0.0002
ENSXETG00000022298	UNG	uracil-DNA glycosylase [Source:Jamboree;Acc:XB-GENE-960119]	0.4675	0.0000
ENSXETG00000004225	UPB1	ureidopropionase, beta [Source:Jamboree;Acc:XB-GENE-976127]	0.2269	0.0000
ENSXETG00000007440	UPF3B	UPF3 regulator of nonsense transcripts homolog B [Source:Jamboree;Acc:XB-GENE-994258]	0.7939	0.0068
ENSXETG00000023331	URB2	URB2 ribosome biogenesis 2 homolog [Source:Jamboree;Acc:XB-GENE-6035083]	0.4461	0.0411
ENSXETG00000001269	USP39	ubiquitin specific peptidase 39 [Source:Jamboree;Acc:XB-GENE-853496]	0.7961	0.0159
ENSXETG00000019167	USPL1	ubiquitin specific peptidase like 1 [Source:Jamboree;Acc:XB-GENE-984428]	0.7467	0.0001
ENSXETG00000007465	UTP14A	UTP14, U3 small nucleolar ribonucleoprotein, homolog A [Source:Jamboree;Acc:XB-GENE-5954840]	0.7464	0.0151
ENSXETG00000001293	UTP18	UTP18, small subunit (SSU) processome component, homolog [Source:Jamboree;Acc:XB-GENE-981919]	0.6189	0.0026
ENSXETG00000005842	VANGL2	vang-like 2 [Source:Jamboree;Acc:XB-GENE-973460]	0.7641	0.0028
ENSXETG00000024076	VARS	valyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-487344]	0.5499	0.0023
ENSXETG00000013214	VASH1	vasohibin 1 [Source:Jamboree;Acc:XB-GENE-956494]	0.7290	0.0003
ENSXETG00000014363	VASH2	vasohibin 2 [Source:Jamboree;Acc:XB-GENE-985620]	0.7250	0.0018
ENSXETG00000019578	VAV2	vav 2 guanine nucleotide exchange factor [Source:Jamboree;Acc:XB-GENE-6067166]	0.7891	0.0195
ENSXETG00000027815	VCAN	versican [Source:Jamboree;Acc:XB-GENE-922302]	0.3906	0.0000
ENSXETG00000016375	VEGFA	vascular endothelial growth factor A [Source:Jamboree;Acc:XB-GENE-485744]	0.7576	0.0002
ENSXETG00000012240	VEPH1	ventricular zone expressed PH domain homolog 1 [Source:Jamboree;Acc:XB-GENE-6041921]	0.3543	0.0000
ENSXETG00000007462	VIM	vimentin [Source:Jamboree;Acc:XB-GENE-493024]	0.3657	0.0000
ENSXETG00000027906	VIP	vasoactive intestinal peptide [Source:Jamboree;Acc:XB-GENE-988257]	0.6459	0.0221
ENSXETG00000000104	VNN1	vanin 1 [Source:Jamboree;Acc:XB-GENE-961108]	0.1046	0.0457
ENSXETG00000017980	VPS24	vacuolar protein sorting 24 homolog [Source:Jamboree;Acc:XB-GENE-1005141]	0.7407	0.0003
ENSXETG00000013948	VRK1	vaccinia related kinase 1 [Source:Jamboree;Acc:XB-GENE-1003796]	0.7110	0.0023
ENSXETG00000020477	VRK2	vaccinia related kinase 2 [Source:Jamboree;Acc:XB-GENE-954461]	0.6232	0.0103
ENSXETG00000012958	VWA1	von Willebrand factor A domain containing 1 [Source:Jamboree;Acc:XB-GENE-956807]	0.6550	0.0041
ENSXETG00000002524	WARS	tryptophanyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-954237]	0.6300	0.0017
ENSXETG00000009920	WDR3	WD repeat domain 3 [Source:Jamboree;Acc:XB-GENE-975167]	0.8161	0.0355
ENSXETG00000011004	WDR36	WD repeat domain 36 [Source:Jamboree;Acc:XB-GENE-972602]	0.5966	0.0001
ENSXETG00000020398	WDR46	WD repeat domain 46 [Source:Jamboree;Acc:XB-GENE-489373]	0.5268	0.0000
ENSXETG00000003043	WDR62	WD repeat domain 62 [Source:Jamboree;Acc:XB-GENE-6052321]	0.0428	0.0027
ENSXETG00000019440	WDR74	WD repeat domain 74 [Source:Jamboree;Acc:XB-GENE-969801]	0.7710	0.0191
ENSXETG00000009873	WDR75	WD repeat domain 75 [Source:Jamboree;Acc:XB-GENE-5864415]	0.6741	0.0020
ENSXETG00000007846	WDR76	WD repeat domain 76 [Source:Jamboree;Acc:XB-GENE-5868423]	0.6331	0.0454
ENSXETG00000006758	WDR77	WD repeat domain 77 [Source:Jamboree;Acc:XB-GENE-972898]	0.7403	0.0104
ENSXETG00000003583	WDR89	WD repeat domain 89 [Source:Jamboree;Acc:XB-GENE-1007512]	0.6891	0.0498
ENSXETG00000026376	WHSC1	Wolf-Hirschhorn syndrome candidate 1 [Source:Jamboree;Acc:XB-GENE-988824]	0.2996	0.0000
ENSXETG00000002392	WHSC2	Wolf-Hirschhorn syndrome candidate 2 [Source:Jamboree;Acc:XB-GENE-988837]	0.7705	0.0044
ENSXETG00000006908	WNT2B	wingless-type MMTV integration site family, member 2B [Source:Jamboree;Acc:XB-GENE-960148]	0.5000	0.0000
ENSXETG00000004742	WNT4	wingless-type MMTV integration site family, member 4 [Source:Jamboree;Acc:XB-GENE-484098]	0.6201	0.0245
ENSXETG00000003073	WNT7B	wingless-type MMTV integration site family, member 7B [Source:Jamboree;Acc:XB-GENE-481936]	0.7986	0.0427
ENSXETG00000023739	WRB	tryptophan rich basic protein [Source:Jamboree;Acc:XB-GENE-956728]	0.7174	0.0002
ENSXETG00000016011	WWTR1	WW domain containing transcription regulator 1 [Source:Jamboree;Acc:XB-GENE-489279]	0.4123	0.0036
ENSXETG00000010058	XARP	Axin-related protein [Source:Jamboree;Acc:XB-GENE-6449828]	0.4275	0.0000
ENSXETG00000005035	XB-GENE-5722383	hypothetical protein LOC733945 [Source:Jamboree;Acc:XB-GENE-5722383]	0.1689	0.0000
ENSXETG00000019416	XB-GENE-5727515	novel protein containing an Inosine-uridine preferring nucleoside hydrolase domain [Source:Jamboree;Acc:XB-GENE-5727515]	0.2626	0.0000
ENSXETG00000006008	XB-GENE-5727893	novel protein similar to prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-5727893]	0.6447	0.0000
ENSXETG00000027090	XB-GENE-5768884	MGC86492 protein [Source:Jamboree;Acc:XB-GENE-5768884]	0.8239	0.0102
ENSXETG00000011117	XB-GENE-5779150	hypothetical protein LOC100124967 [Source:Jamboree;Acc:XB-GENE-5779150]	0.6670	0.0071
ENSXETG00000011152	XB-GENE-5779195	cysteine-rich secretory protein 3 [Source:Jamboree;Acc:XB-GENE-5779195]	0.0044	0.0000
ENSXETG00000017641	XB-GENE-5781886	calumenin [Source:Jamboree;Acc:XB-GENE-5781886]	0.3379	0.0001
ENSXETG00000003689	XB-GENE-5796437	microsomal glutathione S-transferase 3-like [Source:Jamboree;Acc:XB-GENE-5796437]	0.5978	0.0000
ENSXETG00000022384	XB-GENE-5797210	carbonic anhydrase 15 [Source:Jamboree;Acc:XB-GENE-5797210]	0.0640	0.0073
ENSXETG00000024882	XB-GENE-5809273	suppressor of cytokine signaling 3 [Source:Jamboree;Acc:XB-GENE-5809273]	0.4086	0.0000
ENSXETG00000023747	XB-GENE-5813855	putative transient receptor potential channel [Source:Jamboree;Acc:XB-GENE-5813855]	0.4102	0.0037
ENSXETG00000013902	XB-GENE-5814061	acyl-CoA dehydrogenase (3J649) [Source:Jamboree;Acc:XB-GENE-5814061]	0.3827	0.0000
ENSXETG00000006036	XB-GENE-5831587	Uncharacterized protein C1orf174 homolog [Source:Jamboree;Acc:XB-GENE-5831587]	0.6207	0.0033
ENSXETG00000004897	XB-GENE-5839548	hypothetical protein LOC100101308 [Source:Jamboree;Acc:XB-GENE-5839548]	0.5418	0.0062
ENSXETG00000018022	XB-GENE-5839942	hypothetical protein LOC100037859 [Source:Jamboree;Acc:XB-GENE-5839942]	0.5073	0.0059
ENSXETG00000017748	XB-GENE-5843131	hypothetical protein LOC100135138 [Source:Jamboree;Acc:XB-GENE-5843131]	0.5315	0.0000
ENSXETG00000026767	XB-GENE-5854345	hypothetical protein LOC100145486 [Source:Jamboree;Acc:XB-GENE-5854345]	0.8233	0.0313
ENSXETG00000019849	XB-GENE-5870986	hypothetical protein LOC100049770 [Source:Jamboree;Acc:XB-GENE-5870986]	0.5476	0.0101
ENSXETG00000018827	XB-GENE-5897024	phosphatidylserine decarboxylase [Source:Jamboree;Acc:XB-GENE-5897024]	0.6499	0.0000
ENSXETG00000026169	XB-GENE-5904605	hypothetical protein LOC100124841 [Source:Jamboree;Acc:XB-GENE-5904605]	0.5637	0.0012
ENSXETG00000014395	XB-GENE-5905096	gap junction protein, alpha 7, 45kDa (connexin 45) [Source:Jamboree;Acc:XB-GENE-5905096]	0.4150	0.0000
ENSXETG00000012378	XB-GENE-5906920	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q8U9]	0.6849	0.0082
ENSXETG00000025361	XB-GENE-5911701	clone X2.0 melatonin receptor [Source:Jamboree;Acc:XB-GENE-5911701]	0.0568	0.0015
ENSXETG00000009660	XB-GENE-5929403	26 serine protease [Source:Jamboree;Acc:XB-GENE-5929403]	0.2199	0.0100
ENSXETG00000015354	XB-GENE-5945160	Cry1 protein [Source:Jamboree;Acc:XB-GENE-5945160]	0.1582	0.0000
ENSXETG00000007834	XB-GENE-5947586	hypothetical protein LOC100125155 [Source:Jamboree;Acc:XB-GENE-5947586]	0.7370	0.0310
ENSXETG00000019764	XB-GENE-5949754	hypothetical protein LOC100135222 [Source:Jamboree;Acc:XB-GENE-5949754]	0.4261	0.0379
ENSXETG00000026630	XB-GENE-5956431	hypothetical LOC493204 [Source:Jamboree;Acc:XB-GENE-5956431]	0.4393	0.0000
ENSXETG00000005248	XB-GENE-5960520	hypothetical protein LOC100101282 [Source:Jamboree;Acc:XB-GENE-5960520]	0.8022	0.0397
ENSXETG00000002422	XB-GENE-953257	Putative ortholog of thiamine transporter 1 (Solute carrier family 19 (Thiamine transporter), member 2) (High affinity thiamine transporter THTR-1) (High-affinity thiamin transporter), 1 of 1 [Source:Jamboree;Acc:XB-GENE-953257]	0.6763	0.0004
ENSXETG00000011440	XB-GENE-969052	Putative ortholog of cytochrome p450 46A1 (EC 1.14.-.-) (Cholesterol 24-hydroxylase), 1 of 1 [Source:Jamboree;Acc:XB-GENE-969052]	0.6975	0.0007
ENSXETG00000021701	XB-GENE-971646	Putative ortholog of dNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (RLF beta subunit) (P102 protein) (P1-MCM3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-971646]	0.0559	0.0000

ENSXETG00000024924	XB-GENE-980731	Putative ortholog of glutathione S-transferase, theta 3, 2 of 2 [Source:Jamboree;Acc:XB-GENE-980731]	0.3592	0.0000
ENSXETG00000000312	XB-GENE-981231	Putative ortholog of kinesin-like protein KIF14, 1 of 1 [Source:Jamboree;Acc:XB-GENE-981231]	0.0714	0.0000
ENSXETG00000016178	XB-GENE-982799	conserved hypothetical protein, 1 of 1 [Source:Jamboree;Acc:XB-GENE-982799]	0.7073	0.0000
ENSXETG00000007789	XB-GENE-986330	Putative ortholog of 4-hydroxyphenylpyruvate dioxygenase (4-hydroxyphenylpyruvic acid dioxygenase), 2 of 2 [Source:Jamboree;Acc:XB-GENE-986330]	0.8019	0.0268
ENSXETG00000004635	XB-GENE-990339	Putative ortholog of g-protein coupled receptor family C group 5 member C precursor (Retinoic acid induced gene 3 protein) (RAIG-3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-990339]	0.7648	0.0011
ENSXETG00000025559	XB-GENE-992351	Putative ortholog of calcium/calmodulin-dependent protein kinase kinase 1 (EC 2.7.1.37) (Calcium/calmodulin-dependent protein kinase kinase alpha) (CaM-kinase kinase alpha) (CaM-KK alpha) (CaMKK alpha) (CaMKK 1) (CaM-kinase IV kinase), 2 of 3 [Source:Jamboree;Acc:XB-GENE-992351]	0.7669	0.0235
ENSXETG00000011949	XB-GENE-994785	conserved hypothetical protein similar to mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933430J11 product:hypothetical Proline-rich region/von Willebrand factor type A domain containing protein, full insert sequence, 1 of 1 [Source:Jamboree;Acc:XB-GENE-994785]	0.7201	0.0001
ENSXETG00000000291	XGB	x globin [Source:Jamboree;Acc:XB-GENE-5749914]	0.5800	0.0000
ENSXETG00000000668	XKR5	XK, Kell blood group complex subunit-related family, member 5 [Source:Jamboree;Acc:XB-GENE-5870731]	0.2358	0.0001
ENSXETG00000009649	XKRX	XK, Kell blood group complex subunit-related, X-linked [Source:Jamboree;Acc:XB-GENE-957186]	0.4443	0.0000
ENSXETG00000002224	XPO1	exportin 1 (CRM1 homolog) [Source:Jamboree;Acc:XB-GENE-993240]	0.6803	0.0000
ENSXETG00000015128	XRCC1	X-ray repair complementing defective repair in Chinese hamster cells 1 [Source:Jamboree;Acc:XB-GENE-968809]	0.7783	0.0244
ENSXETG00000023061	XRCC3	X-ray repair complementing defective repair in Chinese hamster cells 3 [Source:Jamboree;Acc:XB-GENE-1016741]	0.7200	0.0027
ENSXETG00000004548	XRCC6	X-ray repair complementing defective repair in Chinese hamster cells 6 [Source:Jamboree;Acc:XB-GENE-970899]	0.6847	0.0000
ENSXETG00000023501	XRN2	5'-3' exoribonuclease 2 [Source:Jamboree;Acc:XB-GENE-993157]	0.7703	0.0032
ENSXETG00000029005	XTR-MIR-101A-1	xtr-mir-101a-1 [Source:miRBase;Acc:MI0004928]	0.6722	0.0047
ENSXETG00000029014	XTR-MIR-130B	xtr-mir-130b [Source:miRBase;Acc:MI0004833]	0.2627	0.0000
ENSXETG00000029114	XTR-MIR-135-2	xtr-mir-135-2 [Source:miRBase;Acc:MI0004933]	0.5970	0.0000
ENSXETG00000029093	XTR-MIR-15C	xtr-mir-15c [Source:miRBase;Acc:MI0004892]	0.1481	0.0019
ENSXETG00000029188	XTR-MIR-16A	xtr-mir-16a [Source:miRBase;Acc:MI0004802]	0.4295	0.0000
ENSXETG00000029190	XTR-MIR-16C	xtr-mir-16c [Source:miRBase;Acc:MI0004801]	0.5404	0.0000
ENSXETG00000029157	XTR-MIR-210	xtr-mir-210 [Source:miRBase;Acc:MI0004864]	0.2902	0.0000
ENSXETG00000029161	XTR-MIR-25-2	xtr-mir-25-1 [Source:miRBase;Acc:MI0004914]	0.2289	0.0000
ENSXETG00000029151	XTR-MIR-363	xtr-mir-363 [Source:miRBase;Acc:MI0004955]	0.2464	0.0000
ENSXETG00000028970	XTR-MIR-7-1	xtr-mir-7-1 [Source:miRBase;Acc:MI0004790]	0.8190	0.0118
ENSXETG00000029113	XTR-MIR-9B	xtr-mir-9b [Source:miRBase;Acc:MI0004795]	0.7079	0.0000
ENSXETG00000013436	YBX1	Y box binding protein 1 [Source:Jamboree;Acc:XB-GENE-480746]	0.7520	0.0003
ENSXETG00000014526	ZBED4	zinc finger, BED-type containing 4 [Source:Jamboree;Acc:XB-GENE-6076969]	0.6263	0.0000
ENSXETG00000012362	ZBTB2	zinc finger and BTB domain containing 2 [Source:Jamboree;Acc:XB-GENE-977864]	0.7398	0.0025
ENSXETG00000006025	ZBTB3	zinc finger and BTB domain containing 3 [Source:Jamboree;Acc:XB-GENE-991962]	0.7651	0.0414
ENSXETG00000004479	ZBTB33	zinc finger and BTB domain containing 33 [Source:Jamboree;Acc:XB-GENE-486567]	0.6977	0.0002
ENSXETG00000004417	ZBTB39	zinc finger and BTB domain containing 39 [Source:Jamboree;Acc:XB-GENE-957946]	0.5929	0.0000
ENSXETG00000006162	ZBTB47	zinc finger and BTB domain containing 47 [Source:Jamboree;Acc:XB-GENE-992955]	0.8268	0.0377
ENSXETG00000020357	ZBTB9	zinc finger and BTB domain containing 9 [Source:Jamboree;Acc:XB-GENE-491893]	0.7977	0.0323
ENSXETG00000013336	ZC3H15	zinc finger CCCH-type containing 15 [Source:Jamboree;Acc:XB-GENE-5800360]	0.8181	0.0377
ENSXETG00000006542	ZCCHC7	zinc finger, CCHC domain containing 7 [Source:Jamboree;Acc:XB-GENE-6258335]	0.6623	0.0048
ENSXETG00000007797	ZCCHC8	zinc finger, CCHC domain containing 8 [Source:Jamboree;Acc:XB-GENE-977402]	0.8009	0.0294
ENSXETG00000017151	ZFHX4	zinc finger homeobox 4 [Source:Jamboree;Acc:XB-GENE-957673]	0.8078	0.0126
ENSXETG00000016987	ZFP36L1	zinc finger protein 36, C3H type-like 1 [Source:Jamboree;Acc:XB-GENE-966625]	0.3493	0.0000
ENSXETG00000009274	ZFP36L2	zinc finger protein 36, C3H type-like 2 [Source:Jamboree;Acc:XB-GENE-971012]	0.6783	0.0460
ENSXETG00000019457	ZHX3	zinc fingers and homeoboxes 3 [Source:Jamboree;Acc:XB-GENE-853511]	0.7743	0.0305
ENSXETG00000018864	ZIC2	Zic family member 2 [Source:Jamboree;Acc:XB-GENE-482654]	0.7313	0.0000
ENSXETG00000024458	ZIC3	Zic family member 3 [Source:Jamboree;Acc:XB-GENE-480431]	0.7596	0.0185
ENSXETG00000016118	ZMAT2	zinc finger, matrin-type 2 [Source:Jamboree;Acc:XB-GENE-1217476]	0.6406	0.0000
ENSXETG00000002643	ZMYM2	zinc finger, MYM-type 2 [Source:Jamboree;Acc:XB-GENE-961591]	0.7461	0.0010
ENSXETG00000016062	ZNF184	zinc finger protein 184 [Source:Jamboree;Acc:XB-GENE-5794876]	0.7852	0.0322
ENSXETG00000026635	ZNF207	zinc finger protein 207 [Source:Jamboree;Acc:XB-GENE-997701]	0.8229	0.0481
ENSXETG00000016157	ZNF219	zinc finger protein 219 [Source:Jamboree;Acc:XB-GENE-1001695]	0.7813	0.0045
ENSXETG00000008601	ZNF238.2	zinc finger protein 238, gene 2 [Source:Jamboree;Acc:XB-GENE-1219066]	0.5108	0.0000
ENSXETG00000016560	ZNF280D	zinc finger protein 280D [Source:Jamboree;Acc:XB-GENE-479902]	0.7649	0.0300
ENSXETG00000018018	ZNF292	zinc finger protein 292 [Source:Jamboree;Acc:XB-GENE-976882]	0.7815	0.0171
ENSXETG00000006087	ZNF326	zinc finger protein 326 [Source:Jamboree;Acc:XB-GENE-483978]	0.6743	0.0000
ENSXETG00000014840	ZNF367	zinc finger protein 367 [Source:Jamboree;Acc:XB-GENE-986040]	0.6955	0.0001
ENSXETG00000027163	ZNF383	zinc finger protein 383 [Source:Jamboree;Acc:XB-GENE-5722500]	0.6847	0.0131
ENSXETG00000002298	ZNF385C	zinc finger protein 385C [Source:Jamboree;Acc:XB-GENE-6258007]	0.7656	0.0118
ENSXETG00000009866	ZNF503	zinc finger protein 503 [Source:Jamboree;Acc:XB-GENE-1005005]	0.6996	0.0007
ENSXETG00000009189	ZNF593	zinc finger protein 593 [Source:Jamboree;Acc:XB-GENE-1217394]	0.7320	0.0003
ENSXETG00000003817	ZNF605	zinc finger protein 605 [Source:Jamboree;Acc:XB-GENE-5942644]	0.7997	0.0150
ENSXETG00000007539	ZNF622	zinc finger protein 622 [Source:Jamboree;Acc:XB-GENE-982881]	0.7534	0.0219
ENSXETG00000018641	ZNF652	zinc finger protein 652 [Source:Jamboree;Acc:XB-GENE-1020912]	0.7025	0.0003
ENSXETG00000024347	ZNF703	zinc finger protein 703 [Source:Jamboree;Acc:XB-GENE-1217460]	0.7019	0.0016
ENSXETG00000010417	ZNF704	zinc finger protein 704 [Source:Jamboree;Acc:XB-GENE-988666]	0.1033	0.0000
ENSXETG00000023995	ZNF84	zinc finger protein 84 [Source:Jamboree;Acc:XB-GENE-5721064]	0.7259	0.0016
ENSXETG00000023323	ZNHIT2	zinc finger, HIT-type containing 2 [Source:Jamboree;Acc:XB-GENE-978417]	0.7376	0.0468
ENSXETG00000025713	ZNHIT3	zinc finger, HIT-type containing 3 [Source:Jamboree;Acc:XB-GENE-5750415]	0.7825	0.0435
ENSXETG00000019942	ZNRF3	zinc and ring finger 3 [Source:Jamboree;Acc:XB-GENE-5937936]	0.6671	0.0012
ENSXETG00000022977	ZW10	ZW10, kinetochore associated, homolog [Source:Jamboree;Acc:XB-GENE-990692]	0.7782	0.0397
ENSXETG00000015894	ZWILCH	Zwilch, kinetochore associated, homolog [Source:Jamboree;Acc:XB-GENE-5861097]	0.2533	0.0000

Complete List of Upregulated Genes Between NF stage 56 and 62

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000013407	AATK	apoptosis-associated tyrosine kinase [Source:Jamboree;Acc:XB-GENE-989910]	1.2811	0.0039
ENSXETG00000019661	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1 [Source:Jamboree;Acc:XB-GENE-960171]	1.3105	0.0349
ENSXETG00000008670	ABHD6	abhydrolase domain containing 6 [Source:Jamboree;Acc:XB-GENE-966285]	1.5165	0.0004
ENSXETG00000013366	ACCN2	amiloride-sensitive cation channel 2, neuronal [Source:Jamboree;Acc:XB-GENE-977699]	1.2121	0.0317
ENSXETG00000027806	ACOT12	acyl-CoA thioesterase 12 [Source:Jamboree;Acc:XB-GENE-987297]	1.3781	0.0097
ENSXETG00000019720	ACOT7	acyl-CoA thioesterase 7 [Source:Jamboree;Acc:XB-GENE-976869]	1.3215	0.0038
ENSXETG00000016588	ACSL6	acyl-CoA synthetase long-chain family member 6 [Source:Jamboree;Acc:XB-GENE-5834989]	1.2887	0.0069
ENSXETG00000010380	ACVR1	activin A receptor, type I [Source:Jamboree;Acc:XB-GENE-478850]	1.6152	0.0000
ENSXETG00000022538	ADAM12	ADAM metallopeptidase domain 12 [Source:Jamboree;Acc:XB-GENE-982139]	1.5024	0.0086
ENSXETG00000008262	ADAM17	ADAM metallopeptidase domain 17 [Source:Jamboree;Acc:XB-GENE-492534]	1.3054	0.0061
ENSXETG00000008129	ADAMTS3	ADAM metallopeptidase with thrombospondin type 1 motif, 3 [Source:Jamboree;Acc:XB-GENE-490472]	1.4633	0.0371
ENSXETG00000017676	ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif, 4 [Source:Jamboree;Acc:XB-GENE-996659]	1.9364	0.0001
ENSXETG00000013638	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif, 5 [Source:Jamboree;Acc:XB-GENE-961098]	1.9704	0.0000
ENSXETG00000000457	ADAMTS6	ADAM metallopeptidase with thrombospondin type 1 motif, 6 [Source:Jamboree;Acc:XB-GENE-951750]	2.1378	0.0000
ENSXETG00000016889	ADCY4	adenylate cyclase 4 [Source:Jamboree;Acc:XB-GENE-984909]	1.2852	0.0115
ENSXETG00000021098	AGXT2L1	alanine-glyoxylate aminotransferase 2-like 1 [Source:Jamboree;Acc:XB-GENE-968831]	2.1654	0.0000
ENSXETG00000011083	AHSA1	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 [Source:Jamboree;Acc:XB-GENE-1006913]	1.4645	0.0079
ENSXETG00000006260	AK8	adenylate kinase 8 [Source:Jamboree;Acc:XB-GENE-5831327]	1.5962	0.0103
ENSXETG00000017280	ALG3	asparagine-linked glycosylation 3, alpha-1,3- mannosyltransferase homolog [Source:Jamboree;Acc:XB-GENE-986278]	1.3771	0.0022
ENSXETG00000001327	ANKFN1	ankyrin-repeat and fibronectin type III domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26766]	1.4372	0.0472
ENSXETG00000020302	ANKFN1	ankyrin-repeat and fibronectin type III domain containing 1 [Source:Jamboree;Acc:XB-GENE-6035383]	1.3676	0.0005
ENSXETG00000013387	ANKRD32	ankyrin repeat domain 32 [Source:Jamboree;Acc:XB-GENE-983324]	1.4260	0.0059
ENSXETG00000019117	ANKRD6	ankyrin repeat domain 6 [Source:Jamboree;Acc:XB-GENE-478656]	1.5767	0.0020
ENSXETG00000027478	ANXA1	annexin A1 [Source:Jamboree;Acc:XB-GENE-977623]	1.5669	0.0040
ENSXETG00000015832	ANXA6	annexin A6 [Source:Jamboree;Acc:XB-GENE-989741]	1.4600	0.0013
ENSXETG00000013509	APPBP2	amyloid beta precursor protein (cytoplasmic tail) binding protein 2 [Source:Jamboree;Acc:XB-GENE-951373]	1.2243	0.0450
ENSXETG00000017110	ARC3	amphibian RCA protein 3 [Source:Jamboree;Acc:XB-GENE-6454074]	1.3908	0.0313

ENSXETG00000006200	ARHGAP24	Rho GTPase activating protein 24 [Source:Jamboree;Acc:XB-GENE-996257]	2.7146	0.0000
ENSXETG00000001880	ARHGAP26	Rho GTPase activating protein 26 [Source:Jamboree;Acc:XB-GENE-1011980]	1.3746	0.0417
ENSXETG00000005487	ARHGAP42	Rho GTPase activating protein 42 [Source:HGNC Symbol;Acc:HGNC:26545]	1.9887	0.0000
ENSXETG00000025477	ARHGDIA	Rho GDP dissociation inhibitor (GDI) alpha [Source:Jamboree;Acc:XB-GENE-973541]	1.2681	0.0219
ENSXETG00000006227	ARHGEF25	Rho guanine nucleotide exchange factor (GEF) 25 [Source:Jamboree;Acc:XB-GENE-6084380]	1.2935	0.0367
ENSXETG00000010311	ASB2	ankyrin repeat and SOCS box containing 2 [Source:Jamboree;Acc:XB-GENE-983015]	1.4386	0.0025
ENSXETG00000010335	ASB8	ankyrin repeat and SOCS box containing 8 [Source:Jamboree;Acc:XB-GENE-6049046]	1.4397	0.0246
ENSXETG00000009266	ATAD1	ATPase family, AAA domain containing 1 [Source:Jamboree;Acc:XB-GENE-5779938]	1.2697	0.0373
ENSXETG00000008125	ATP1A2	ATPase, Na+/K+ transporting, alpha 2 polypeptide [Source:Jamboree;Acc:XB-GENE-6034696]	1.2022	0.0457
ENSXETG00000004357	ATRN	attractin [Source:Jamboree;Acc:XB-GENE-953934]	1.3201	0.0033
ENSXETG00000017979	AVP	arginine vasopressin [Source:Jamboree;Acc:XB-GENE-478869]	1.6479	0.0273
ENSXETG00000019184	B3GALTL	beta 1,3-galactosyltransferase-like [Source:Jamboree;Acc:XB-GENE-951583]	1.3108	0.0454
ENSXETG00000023018	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) [Source:Jamboree;Acc:XB-GENE-5956386]	1.3948	0.0015
ENSXETG00000010233	BAG3	BCL2-associated athanogene 3 [Source:Jamboree;Acc:XB-GENE-969277]	2.5840	0.0005
ENSXETG00000005802	BCL7B	B-cell CLL/lymphoma 7B [Source:Jamboree;Acc:XB-GENE-973849]	1.7123	0.0000
ENSXETG00000005207	BHLHE40	basic helix-loop-helix family, member e40 [Source:Jamboree;Acc:XB-GENE-486416]	1.8495	0.0003
ENSXETG00000000289	BMF	Bcl2 modifying factor [Source:Jamboree;Acc:XB-GENE-982389]	1.4647	0.0472
ENSXETG00000010536	BMP1	bone morphogenetic protein 1 [Source:Jamboree;Acc:XB-GENE-479191]	1.3492	0.0040
ENSXETG00000008620	BMP4	bone morphogenetic protein 4 [Source:Jamboree;Acc:XB-GENE-483058]	1.4588	0.0319
ENSXETG00000024635	BMP6	bone morphogenetic protein 6 [Source:Jamboree;Acc:XB-GENE-479134]	2.5728	0.0075
ENSXETG00000021129	BMPER	BMP binding endothelial regulator [Source:Jamboree;Acc:XB-GENE-480927]	1.8006	0.0396
ENSXETG00000023616	BPGM	2,3-bisphosphoglycerate mutase [Source:Jamboree;Acc:XB-GENE-981498]	1.3481	0.0028
ENSXETG00000019750	BRS3	bombesin-like receptor 3 [Source:Jamboree;Acc:XB-GENE-960289]	4.6832	0.0395
ENSXETG00000002336	BTBD3	BTB (POZ) domain containing 3 [Source:Jamboree;Acc:XB-GENE-975947]	1.2871	0.0048
ENSXETG00000017940	C11ORF41	chromosome 11 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-6258146]	1.2957	0.0032
ENSXETG00000005096	C11ORF49	chromosome 11 open reading frame 49 [Source:Jamboree;Acc:XB-GENE-5808736]	1.6897	0.0008
ENSXETG00000006725	C11ORF66	chromosome 11 open reading frame 66 [Source:Jamboree;Acc:XB-GENE-961528]	2.0737	0.0002
ENSXETG00000010439	C11ORF73	chromosome 11 open reading frame 73 [Source:Jamboree;Acc:XB-GENE-967059]	1.5266	0.0000
ENSXETG00000006702	C11ORF9	chromosome 11 open reading frame 9 [Source:Jamboree;Acc:XB-GENE-1020968]	1.7479	0.0101
ENSXETG00000018908	C13ORF15	chromosome 13 open reading frame 15 [Source:Jamboree;Acc:XB-GENE-1006063]	2.5930	0.0000
ENSXETG00000020260	C16ORF13	chromosome 16 open reading frame 13 [Source:Jamboree;Acc:XB-GENE-981693]	1.3910	0.0426
ENSXETG00000027066	C17ORF28	chromosome 17 open reading frame 28 [Source:Jamboree;Acc:XB-GENE-5807373]	1.2690	0.0281
ENSXETG00000019659	C18ORF1	chromosome 18 open reading frame 1 [Source:Jamboree;Acc:XB-GENE-953560]	1.3567	0.0014
ENSXETG00000021932	C18ORF21	chromosome 18 open reading frame 21 [Source:Jamboree;Acc:XB-GENE-995470]	1.3751	0.0388
ENSXETG00000024675	C19ORF51	chromosome 19 open reading frame 51 [Source:Jamboree;Acc:XB-GENE-6258114]	1.8971	0.0004
ENSXETG00000002421	C1ORF114	chromosome 1 open reading frame 114 [Source:Jamboree;Acc:XB-GENE-972794]	1.3979	0.0154
ENSXETG00000003175	C1QL1	complement component 1, q subcomponent-like 1 [Source:Jamboree;Acc:XB-GENE-962848]	1.9106	0.0040
ENSXETG00000007450	C1QL3	complement component 1, q subcomponent-like 3 [Source:Jamboree;Acc:XB-GENE-992410]	1.8860	0.0016
ENSXETG00000012747	C20ORF27	chromosome 20 open reading frame 27 [Source:Jamboree;Acc:XB-GENE-5956504]	1.4471	0.0006
ENSXETG00000016165	C3ORF64	chromosome 3 open reading frame 64 [Source:Jamboree;Acc:XB-GENE-994619]	1.4710	0.0387
ENSXETG00000025397	C5ORF32	chromosome 5 open reading frame 32 homolog [Source:Jamboree;Acc:XB-GENE-5727646]	1.2777	0.0401
ENSXETG00000000108	C6ORF192	chromosome 6 open reading frame 192 [Source:Jamboree;Acc:XB-GENE-953331]	2.8354	0.0346
ENSXETG00000023441	C7ORF16	chromosome 7 open reading frame 16 [Source:Jamboree;Acc:XB-GENE-947109]	1.8004	0.0004
ENSXETG00000004015	C7ORF52	chromosome 7 open reading frame 52 [Source:Jamboree;Acc:XB-GENE-5881951]	1.4870	0.0000
ENSXETG00000016422	CABP7	calcium binding protein 7 [Source:Jamboree;Acc:XB-GENE-951867]	1.3174	0.0140
ENSXETG00000006824	CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit [Source:Jamboree;Acc:XB-GENE-993391]	1.2833	0.0031
ENSXETG00000022755	CACNB2	calcium channel, voltage-dependent, beta 2 subunit [Source:Jamboree;Acc:XB-GENE-962360]	1.2747	0.0095
ENSXETG00000022749	CADPS2	Ca++-dependent secretion activator 2 [Source:Jamboree;Acc:XB-GENE-6033825]	1.3259	0.0097
ENSXETG00000014607	CALB1	calbindin 1, 28kDa [Source:Jamboree;Acc:XB-GENE-951983]	1.3286	0.0154
ENSXETG00000023299	CAPN1	calpain 1, (mu/I) large subunit [Source:Jamboree;Acc:XB-GENE-990196]	1.5523	0.0000
ENSXETG00000011400	CASR	calcium-sensing receptor [Source:Jamboree;Acc:XB-GENE-6065247]	1.9399	0.0185
ENSXETG00000015716	CBLN4	cerebellin 4 precursor [Source:Jamboree;Acc:XB-GENE-986703]	1.2199	0.0396
ENSXETG00000006910	CBX6	chromobox homolog 6 [Source:Jamboree;Acc:XB-GENE-951161]	1.3648	0.0316
ENSXETG00000014950	CCDC136	coiled-coil domain containing 136 [Source:Jamboree;Acc:XB-GENE-5992991]	1.3766	0.0000
ENSXETG00000013442	CCDC30	coiled-coil domain containing 30 [Source:Jamboree;Acc:XB-GENE-1004904]	1.4791	0.0003
ENSXETG00000000355	CCK	cholecystokinin [Source:Jamboree;Acc:XB-GENE-495439]	1.3925	0.0167
ENSXETG00000013314	CDADC1	cytidine and dCMP deaminase domain containing 1 [Source:Jamboree;Acc:XB-GENE-1012120]	1.3880	0.0396
ENSXETG00000022051	CDC42SE2	CDC42 small effector 2 [Source:Jamboree;Acc:XB-GENE-5744421]	1.4567	0.0002
ENSXETG00000006627	CDH13	cadherin 13, H-cadherin (heart) [Source:Jamboree;Acc:XB-GENE-5752189]	1.2142	0.0268
ENSXETG00000012238	CDH18	cadherin 18, type 2 [Source:Jamboree;Acc:XB-GENE-982900]	1.2983	0.0202
ENSXETG00000015623	CDH19	cadherin 19, type 2 [Source:Jamboree;Acc:XB-GENE-6045915]	1.8711	0.0023
ENSXETG00000022648	CDH24	cadherin 24, type 2 [Source:Jamboree;Acc:XB-GENE-995690]	1.2692	0.0148
ENSXETG00000025992	CDH3	cadherin 3, type 1, P-cadherin (placental) [Source:Jamboree;Acc:XB-GENE-482277]	2.7211	0.0000
ENSXETG00000020131	CDH9	cadherin 9, type 2 (T1-cadherin) [Source:Jamboree;Acc:XB-GENE-6039319]	1.5980	0.0014
ENSXETG00000024887	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1) [Source:Jamboree;Acc:XB-GENE-487802]	1.8936	0.0002
ENSXETG00000024528	CFAP70	cilia and flagella associated protein 70 [Source:HGNC Symbol;Acc:HGNC:30726]	1.3968	0.0442
ENSXETG00000006832	CHAD	chondroadherin [Source:Jamboree;Acc:XB-GENE-957654]	1.2102	0.0420
ENSXETG00000022956	CHCHD10	coiled-coil-helix-coiled-coil-helix domain containing 10 [Source:Jamboree;Acc:XB-GENE-5962008]	1.6089	0.0005
ENSXETG00000007638	CHMP2B	chromatin modifying protein 2B [Source:Jamboree;Acc:XB-GENE-948820]	1.5191	0.0001
ENSXETG00000019690	CIDEA	cell death-inducing DFFA-like effector a [Source:Jamboree;Acc:XB-GENE-953574]	1.3738	0.0033
ENSXETG00000007574	CLDN7	claudin 7 [Source:Jamboree;Acc:XB-GENE-5786134]	1.4051	0.0496
ENSXETG00000013750	CNGB1	cyclic nucleotide gated channel beta 1 [Source:Jamboree;Acc:XB-GENE-980342]	1.3464	0.0403
ENSXETG00000020201	CNTNAP1	contactin associated protein 1 [Source:Jamboree;Acc:XB-GENE-963972]	1.5444	0.0000
ENSXETG00000003603	COL12A1	collagen, type XII, alpha 1 [Source:Jamboree;Acc:XB-GENE-1012295]	1.8394	0.0000
ENSXETG00000017148	COL13A1	collagen, type XIII, alpha 1 [Source:Jamboree;Acc:XB-GENE-6462746]	1.3569	0.0127
ENSXETG00000021972	COL27A1	collagen, type XXVII, alpha 1 [Source:Jamboree;Acc:XB-GENE-6032747]	1.3711	0.0113
ENSXETG00000004773	COL9A2	collagen, type IX, alpha 2 [Source:Jamboree;Acc:XB-GENE-1006524]	1.4315	0.0301
ENSXETG00000004712	COMMD6	COMM domain containing 6 [Source:Jamboree;Acc:XB-GENE-963717]	1.3870	0.0390
ENSXETG00000025308	CORO2B	coronin, actin binding protein, 2B [Source:Jamboree;Acc:XB-GENE-1014762]	1.4147	0.0006
ENSXETG00000007163	CPLX1	complexin 1 [Source:Jamboree;Acc:XB-GENE-5815523]	1.1975	0.0339
ENSXETG00000021136	CPLX3	complexin 3 [Source:Jamboree;Acc:XB-GENE-978410]	1.4918	0.0121
ENSXETG00000014527	CRELD2	cysteine-rich with EGF-like domains 2 [Source:Jamboree;Acc:XB-GENE-999014]	1.5034	0.0195
ENSXETG00000010373	CRIM1	cysteine rich transmembrane BMP regulator 1 (chordin-like) [Source:Jamboree;Acc:XB-GENE-481452]	1.2351	0.0264
ENSXETG00000025547	CRYGC	crystallin, gamma C [Source:Jamboree;Acc:XB-GENE-954819]	1.9112	0.0001
ENSXETG00000007710	CSMD1	CUB and Sushi multiple domains 1 [Source:HGNC Symbol;Acc:HGNC:14026]	1.3554	0.0248
ENSXETG00000007899	CXCL14	chemokine (C-X-C motif) ligand 14 [Source:Jamboree;Acc:XB-GENE-944199]	1.3913	0.0058
ENSXETG00000020758	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-953895]	2.5696	0.0000
ENSXETG00000025024	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-5871552]	4.3772	0.0045
ENSXETG00000024063	CYTH3	cytohesin 3 [Source:Jamboree;Acc:XB-GENE-941327]	1.2237	0.0344
ENSXETG00000023110	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase) [Source:Jamboree;Acc:XB-GENE-959495]	1.6076	0.0000
ENSXETG00000019847	DBNDD1	dysbindin (dystrobrevin binding protein 1) domain containing 1 [Source:Jamboree;Acc:XB-GENE-983679]	1.5266	0.0000
ENSXETG00000003160	DBP	D site of albumin promoter (albumin D-box) binding protein [Source:Jamboree;Acc:XB-GENE-5995286]	1.6547	0.0000
ENSXETG00000001810	DCHS2	dachsous 2 [Source:Jamboree;Acc:XB-GENE-6048959]	1.8069	0.0000
ENSXETG00000000311	DDX59	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59 [Source:Jamboree;Acc:XB-GENE-976229]	1.7355	0.0026
ENSXETG00000012858	DEGS3	degenerative spermatocyte homolog 3, lipid desaturase [Source:Jamboree;Acc:XB-GENE-5801015]	3.2710	0.0018
ENSXETG00000014264	DFNB31	deafness, autosomal recessive 31 [Source:Jamboree;Acc:XB-GENE-989669]	1.4012	0.0049
ENSXETG00000025317	DGAT2	diacylglycerol O-acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-1017054]	1.5036	0.0024
ENSXETG00000001324	DGKE	diacylglycerol kinase, epsilon 64kDa [Source:Jamboree;Acc:XB-GENE-990685]	1.4053	0.0002
ENSXETG00000006052	DHRS7B	dehydrogenase/reductase (SDR family) member 7B [Source:Jamboree;Acc:XB-GENE-946473]	1.3716	0.0128
ENSXETG00000012145	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35 [Source:Jamboree;Acc:XB-GENE-5868299]	1.4700	0.0061
ENSXETG00000024414	DIO3	deiodinase, iodothyronine, type 3 [Source:Jamboree;Acc:XB-GENE-487490]	19.1738	0.0000
ENSXETG00000010185	DIXDC1	DIX domain containing 1 [Source:Jamboree;Acc:XB-GENE-6039929]	1.3109	0.0065
ENSXETG00000012737	DLG2	discs, large homolog 2 [Source:Jamboree;Acc:XB-GENE-940638]	1.4805	0.0000
ENSXETG00000007097	DLGAP3	discs, large homolog-associated protein 3 [Source:Jamboree;Acc:XB-GENE-1013367]	1.2561	0.0412
ENSXETG00000016572	DLX5	distal-less homeobox 5 [Source:Jamboree;Acc:XB-GENE-853057]	1.3125	0.0394
ENSXETG00000014155	DNAJB5	DnaJ (Hsp40) homolog, subfamily B, member 5 [Source:Jamboree;Acc:XB-GENE-995211]	2.5756	0.0001

ENSXETG00000001232	DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha [Source:Jamboree;Acc:XB-GENE-959529]	1.2219	0.0185
ENSXETG00000000074	DOCK3	dedicator of cytokinesis 3 [Source:Jamboree;Acc:XB-GENE-855883]	1.2743	0.0029
ENSXETG00000018387	EDNRB2	endothelin receptor B subtype 2 [Source:Jamboree;Acc:XB-GENE-1219159]	1.5387	0.0068
ENSXETG00000004863	EFCAB6	EF-hand calcium binding domain 6 [Source:Jamboree;Acc:XB-GENE-996672]	1.8054	0.0014
ENSXETG00000013467	EFHD2	EF-hand domain family, member D2 [Source:Jamboree;Acc:XB-GENE-954641]	1.6754	0.0000
ENSXETG00000019612	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2 [Source:Jamboree;Acc:XB-GENE-5810181]	2.2614	0.0000
ENSXETG00000026167	EPAS1	endothelial PAS domain protein 1 [Source:Jamboree;Acc:XB-GENE-981612]	1.8334	0.0000
ENSXETG00000002168	EPHA10	EPH receptor A10 [Source:Jamboree;Acc:XB-GENE-5893530]	1.4895	0.0001
ENSXETG00000017584	EPHA6	EPH receptor A6 [Source:Jamboree;Acc:XB-GENE-6032564]	1.6008	0.0000
ENSXETG00000012364	ESR1	estrogen receptor 1 [Source:Jamboree;Acc:XB-GENE-482193]	4.6239	0.0466
ENSXETG00000007676	FA2H	fatty acid 2-hydroxylase [Source:Jamboree;Acc:XB-GENE-1014400]	1.6901	0.0137
ENSXETG00000024500	FAAH.1	fatty acid amide hydrolase, gene 1 [Source:Jamboree;Acc:XB-GENE-5837110]	1.7483	0.0081
ENSXETG00000004361	FAAH.3	fatty acid amide hydrolase, gene 3 [Source:Jamboree;Acc:XB-GENE-997956]	1.8484	0.0004
ENSXETG00000012916	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) [Source:Jamboree;Acc:XB-GENE-974423]	1.2910	0.0168
ENSXETG00000008652	FAM107A	family with sequence similarity 107, member A [Source:Jamboree;Acc:XB-GENE-986180]	1.2526	0.0367
ENSXETG00000016766	FAM110C	family with sequence similarity 110, member C [Source:Jamboree;Acc:XB-GENE-7007322]	1.3696	0.0023
ENSXETG00000016511	FAM189A1	family with sequence similarity 189, member A1 [Source:Jamboree;Acc:XB-GENE-5873424]	1.4922	0.0027
ENSXETG00000025405	FAM196B	family with sequence similarity 196, member B [Source:HGNC Symbol;Acc:HGNC:37271]	1.3332	0.0469
ENSXETG00000022986	FAM5C	family with sequence similarity 5, member C [Source:Jamboree;Acc:XB-GENE-985662]	1.3191	0.0104
ENSXETG00000023002	FAM69A	family with sequence similarity 69, member A [Source:Jamboree;Acc:XB-GENE-951303]	1.3521	0.0163
ENSXETG00000013724	FAM82B	family with sequence similarity 82, member B [Source:Jamboree;Acc:XB-GENE-974332]	1.3996	0.0279
ENSXETG00000022667	FAM83G	family with sequence similarity 83, member G [Source:Jamboree;Acc:XB-GENE-6258742]	4.1852	0.0000
ENSXETG00000003046	FANCM	Fanconi anemia, complementation group M [Source:Jamboree;Acc:XB-GENE-994655]	1.3845	0.0083
ENSXETG00000022551	FANK1	fibronectin type III and ankyrin repeat domains 1 [Source:Jamboree;Acc:XB-GENE-6084370]	1.5395	0.0067
ENSXETG00000011776	FBXO41	F-box protein 41 [Source:Jamboree;Acc:XB-GENE-966908]	1.2553	0.0123
ENSXETG00000022748	FEZF1	FEZ family zinc finger 1 [Source:Jamboree;Acc:XB-GENE-985988]	1.3943	0.0072
ENSXETG00000019566	FGF1	fibroblast growth factor 1 (acidic) [Source:Jamboree;Acc:XB-GENE-485966]	1.9442	0.0001
ENSXETG00000002144	FGF12	fibroblast growth factor 12 [Source:Jamboree;Acc:XB-GENE-479999]	1.4337	0.0001
ENSXETG00000000916	FKTN	fukutin [Source:Jamboree;Acc:XB-GENE-971788]	1.2903	0.0300
ENSXETG00000014366	FLVCR1	feline leukemia virus subgroup C cellular receptor 1 [Source:Jamboree;Acc:XB-GENE-6050557]	1.3490	0.0141
ENSXETG00000010247	FOXG1	forkhead box G1 [Source:Jamboree;Acc:XB-GENE-480076]	7.0295	0.0000
ENSXETG00000016048	FOXO1	forkhead box O1 [Source:Jamboree;Acc:XB-GENE-482528]	1.4576	0.0061
ENSXETG00000021565	FOXR1	forkhead box R1 [Source:Jamboree;Acc:XB-GENE-484980]	1.3146	0.0124
ENSXETG00000005344	FRMPD4	FERM and PDZ domain containing 4 [Source:Jamboree;Acc:XB-GENE-6050308]	1.2269	0.0384
ENSXETG00000022970	FSTL3	follistatin-like 3 (secreted glycoprotein) [Source:Jamboree;Acc:XB-GENE-876426]	2.0970	0.0000
ENSXETG00000021716	GALNT13	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13) [Source:Jamboree;Acc:XB-GENE-1012445]	1.2420	0.0457
ENSXETG00000014693	GALR1	galanin receptor 1 [Source:Jamboree;Acc:XB-GENE-5797254]	1.6205	0.0039
ENSXETG00000013828	GAS6	growth arrest-specific 6 [Source:Jamboree;Acc:XB-GENE-5821261]	1.8982	0.0003
ENSXETG00000016009	GCLC	glutamate-cysteine ligase, catalytic subunit [Source:Jamboree;Acc:XB-GENE-1002435]	1.3294	0.0421
ENSXETG00000001073	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group) [Source:Jamboree;Acc:XB-GENE-490633]	2.1483	0.0000
ENSXETG00000021746	GDE1	glycerophosphodiester phosphodiesterase 1 [Source:Jamboree;Acc:XB-GENE-976293]	1.4241	0.0005
ENSXETG00000007786	GDPD1	glycerophosphodiester phosphodiesterase domain containing 1 [Source:Jamboree;Acc:XB-GENE-5612387]	1.2716	0.0249
ENSXETG00000013148	GIPC2	GIPC PDZ domain containing family, member 2 [Source:Jamboree;Acc:XB-GENE-946803]	1.8523	0.0351
ENSXETG00000025411	GJA1	gap junction protein, alpha 1, 43kDa [Source:Jamboree;Acc:XB-GENE-876602]	1.5472	0.0450
ENSXETG00000010147	GNRH1	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) [Source:Jamboree;Acc:XB-GENE-960286]	2.6912	0.0168
ENSXETG00000017726	GNRHR2	gonadotropin-releasing hormone (type 2) receptor 2 [Source:Jamboree;Acc:XB-GENE-5867415]	2.6452	0.0119
ENSXETG00000004245	GORASP1	golgi reassembly stacking protein 1, 65kDa [Source:Jamboree;Acc:XB-GENE-976361]	1.5639	0.0014
ENSXETG00000021597	GPER	G protein-coupled estrogen receptor 1 [Source:Jamboree;Acc:XB-GENE-1006475]	1.7918	0.0049
ENSXETG00000009348	GPR133	G protein-coupled receptor 133 [Source:Jamboree;Acc:XB-GENE-980829]	2.1209	0.0000
ENSXETG00000021373	GRIA4	glutamate receptor, ionotrophic, AMPA 4 [Source:Jamboree;Acc:XB-GENE-5838893]	1.3632	0.0005
ENSXETG00000000130	GSG1L	GSG1-like [Source:Jamboree;Acc:XB-GENE-5832503]	1.7346	0.0000
ENSXETG00000018328	GSG1L	GSG1-like [Source:HGNC Symbol;Acc:HGNC:28283]	1.9042	0.0153
ENSXETG00000007470	GSS	glutathione synthetase [Source:Jamboree;Acc:XB-GENE-976512]	1.3057	0.0212
ENSXETG00000005003	GYG2	glycogenin 2 [Source:Jamboree;Acc:XB-GENE-5854708]	1.3718	0.0128
ENSXETG00000018082	HAO2	hydroxyacid oxidase 2 (long chain) [Source:Jamboree;Acc:XB-GENE-979509]	1.9373	0.0171
ENSXETG00000019797	HAPLN1	hyaluronan and proteoglycan link protein 1 [Source:Jamboree;Acc:XB-GENE-6037477]	1.5682	0.0022
ENSXETG00000017714	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1 [Source:Jamboree;Acc:XB-GENE-950265]	1.4920	0.0000
ENSXETG00000001622	HCRTR2	hypocretin (orexin) receptor 2 [Source:Jamboree;Acc:XB-GENE-952341]	1.3568	0.0007
ENSXETG00000023477	HDHD3	haloacid dehalogenase-like hydrolase domain containing 3 [Source:Jamboree;Acc:XB-GENE-969463]	1.4672	0.0001
ENSXETG00000003936	HEPACAM	hepatic and glial cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-6051119]	1.3063	0.0196
ENSXETG00000006171	HIGD1A	HIG1 hypoxia inducible domain family, member 1A [Source:Jamboree;Acc:XB-GENE-974391]	1.4621	0.0003
ENSXETG00000004316	HLF	hepatic leukemia factor [Source:Jamboree;Acc:XB-GENE-955698]	2.1022	0.0000
ENSXETG00000007070	HMGCLL1	3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1 [Source:Jamboree;Acc:XB-GENE-952336]	1.3605	0.0007
ENSXETG00000014875	HNMT	histamine N-methyltransferase [Source:Jamboree;Acc:XB-GENE-1001069]	1.3162	0.0260
ENSXETG00000001001	HPCA	hippocalcin [Source:Jamboree;Acc:XB-GENE-491920]	1.3193	0.0186
ENSXETG00000012416	HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2 [Source:Jamboree;Acc:XB-GENE-980910]	1.3477	0.0222
ENSXETG00000004411	HSD17B6	hydroxysteroid (17-beta) dehydrogenase 6 homolog [Source:Jamboree;Acc:XB-GENE-5821225]	1.6066	0.0241
ENSXETG00000014317	HSPA12A	heat shock 70kDa protein 12A [Source:Jamboree;Acc:XB-GENE-959285]	1.4350	0.0002
ENSXETG00000005851	HSPA13	heat shock protein 70kDa family, member 13 [Source:Jamboree;Acc:XB-GENE-963595]	1.4229	0.0052
ENSXETG00000014812	HTR1A	5-hydroxytryptamine (serotonin) receptor 1A [Source:Jamboree;Acc:XB-GENE-984750]	1.5025	0.0076
ENSXETG00000015580	HTRA1	HtrA serine peptidase 1 [Source:Jamboree;Acc:XB-GENE-487699]	1.6062	0.0000
ENSXETG00000010075	HYOU1	hypoxia up-regulated 1 [Source:Jamboree;Acc:XB-GENE-921821]	1.5921	0.0002
ENSXETG00000026411	IFFO1	intermediate filament family orphan 1 [Source:Jamboree;Acc:XB-GENE-940026]	1.2654	0.0273
ENSXETG00000006711	IFITM3	interferon induced transmembrane protein 3 [Source:Jamboree;Acc:XB-GENE-5852510]	1.6650	0.0059
ENSXETG00000019875	IGFBP2	insulin-like growth factor binding protein 2, 36kDa [Source:Jamboree;Acc:XB-GENE-487299]	1.4014	0.0259
ENSXETG00000019879	IGFBP5	insulin-like growth factor binding protein 5 [Source:Jamboree;Acc:XB-GENE-485073]	1.5262	0.0039
ENSXETG00000003127	IKZF2	IKAROS family zinc finger 2 (Helios) [Source:Jamboree;Acc:XB-GENE-1013632]	1.7639	0.0004
ENSXETG00000005423	IL13RA1	interleukin 13 receptor, alpha 1 [Source:HGNC Symbol;Acc:HGNC:5974]	2.0629	0.0001
ENSXETG00000001861	INHBA	inhibin, beta A [Source:HGNC Symbol;Acc:HGNC:6066]	3.3922	0.0000
ENSXETG00000021313	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa [Source:Jamboree;Acc:XB-GENE-949180]	1.3074	0.0124
ENSXETG00000002917	INSM2	insulinoma-associated 2 [Source:Jamboree;Acc:XB-GENE-986609]	1.9733	0.0100
ENSXETG00000005955	IP6K1	inositol hexaphosphate kinase 1 [Source:Jamboree;Acc:XB-GENE-921615]	1.2309	0.0367
ENSXETG00000014621	IPO4	importin 4 [Source:Jamboree;Acc:XB-GENE-493034]	1.3755	0.0192
ENSXETG00000007816	ITGA11	integrin, alpha 11 [Source:Jamboree;Acc:XB-GENE-483822]	2.0092	0.0212
ENSXETG00000021265	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Source:Jamboree;Acc:XB-GENE-493953]	1.8196	0.0028
ENSXETG00000005153	ITPR1	inositol 1,4,5-trisphosphate receptor, type 1 [Source:Jamboree;Acc:XB-GENE-920765]	1.2129	0.0450
ENSXETG00000013469	KAZN	kazrin, periplakin interacting protein [Source:Jamboree;Acc:XB-GENE-1012688]	1.2239	0.0222
ENSXETG00000018247	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4 [Source:Jamboree;Acc:XB-GENE-492827]	1.4019	0.0056
ENSXETG00000012263	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1 [Source:Jamboree;Acc:XB-GENE-950688]	1.6539	0.0048
ENSXETG00000003508	KCNF1	potassium voltage-gated channel, subfamily F, member 1 [Source:Jamboree;Acc:XB-GENE-979363]	1.3441	0.0092
ENSXETG00000012308	KCNG1	potassium voltage-gated channel, subfamily G, member 1 [Source:Jamboree;Acc:XB-GENE-1011042]	1.4556	0.0011
ENSXETG00000000858	KCNG2	potassium voltage-gated channel, subfamily G, member 2 [Source:Jamboree;Acc:XB-GENE-954003]	1.7313	0.0010
ENSXETG00000016610	KCNK10	potassium channel, subfamily K, member 10 [Source:Jamboree;Acc:XB-GENE-950562]	1.3216	0.0156
ENSXETG00000011382	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4 [Source:Jamboree;Acc:XB-GENE-1016303]	1.3867	0.0310
ENSXETG00000015636	KDM6B	lysine (K)-specific demethylase 6B [Source:Jamboree;Acc:XB-GENE-6067077]	1.3127	0.0128
ENSXETG00000012981	KIAA1199	KIAA1199 [Source:Jamboree;Acc:XB-GENE-6048265]	1.9718	0.0000
ENSXETG00000005906	KIAA1217	KIAA1217 [Source:Jamboree;Acc:XB-GENE-6048493]	1.3043	0.0477
ENSXETG00000005739	KLF4	Kruppel-like factor 4 (gut) [Source:Jamboree;Acc:XB-GENE-1015049]	1.6012	0.0241
ENSXETG00000019051	KLF9	Kruppel-like factor 9 [Source:Jamboree;Acc:XB-GENE-483889]	4.1288	0.0000
ENSXETG00000013312	KRR1	KRR1, small subunit (SSU) processome component, homolog [Source:Jamboree;Acc:XB-GENE-1007979]	1.4003	0.0302
ENSXETG00000007336	LAMA4	laminin, alpha 4 [Source:Jamboree;Acc:XB-GENE-1004770]	1.7764	0.0007
ENSXETG00000008622	LAMB2	laminin, beta 2 (laminin S) [Source:Jamboree;Acc:XB-GENE-5935962]	1.4612	0.0089
ENSXETG00000002120	LGI2	leucine-rich repeat LGI family, member 2 [Source:Jamboree;Acc:XB-GENE-995134]	1.5221	0.0013

ENSXETG00000016325	LHX6	LIM homeobox 6 [Source:Jamboree;Acc:XB-GENE-493341]	2.0798	0.0017
ENSXETG00000002992	LHX8	LIM homeobox 8 [Source:Jamboree;Acc:XB-GENE-494997]	3.3248	0.0061
ENSXETG00000002132	LINGO4	leucine rich repeat and Ig domain containing 4 [Source:Jamboree;Acc:XB-GENE-6464195]	2.5511	0.0027
ENSXETG00000021134	LMAN1L	lectin, mannose-binding, 1 like [Source:Jamboree;Acc:XB-GENE-5754170]	5.0085	0.0110
ENSXETG00000011184	LMBR1L	limb region 1 homolog-like [Source:Jamboree;Acc:XB-GENE-5859052]	1.3089	0.0110
ENSXETG00000008604	LPPR5	lipid phosphate phosphatase-related protein type 5 [Source:Jamboree;Acc:XB-GENE-983941]	1.2579	0.0333
ENSXETG00000011477	LRCH1	leucine-rich repeats and calponin homology (CH) domain containing 1 [Source:Jamboree;Acc:XB-GENE-6033840]	1.3744	0.0011
ENSXETG00000005500	LRPAP1	low density lipoprotein receptor-related protein associated protein 1 [Source:Jamboree;Acc:XB-GENE-946427]	1.3604	0.0195
ENSXETG00000001618	LRRC1	leucine rich repeat containing 1 [Source:Jamboree;Acc:XB-GENE-943417]	1.5883	0.0413
ENSXETG00000009217	LRRC34	leucine rich repeat containing 34 [Source:Jamboree;Acc:XB-GENE-998066]	1.5135	0.0007
ENSXETG00000003943	LRSAM1	leucine rich repeat and sterile alpha motif containing 1 [Source:Jamboree;Acc:XB-GENE-994894]	1.4097	0.0021
ENSXETG00000016474	LZTS1	leucine zipper, putative tumor suppressor 1 [Source:Jamboree;Acc:XB-GENE-960311]	1.2890	0.0268
ENSXETG00000008234	MAG	myelin associated glycoprotein [Source:Jamboree;Acc:XB-GENE-6462484]	1.5488	0.0076
ENSXETG00000011609	MAN2B2	mannosidase, alpha, class 2B, member 2 [Source:Jamboree;Acc:XB-GENE-1006292]	1.7164	0.0078
ENSXETG00000000073	MANF	mesencephalic astrocyte-derived neurotrophic factor [Source:Jamboree;Acc:XB-GENE-953087]	1.5346	0.0183
ENSXETG00000004849	MAOA	monoamine oxidase A [Source:Jamboree;Acc:XB-GENE-5749883]	2.2450	0.0216
ENSXETG00000022834	MATN4	matrilin 4 [Source:Jamboree;Acc:XB-GENE-990978]	3.2405	0.0000
ENSXETG00000021591	MCAM	melanoma cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-1002617]	1.3770	0.0025
ENSXETG00000018322	MCF2	MCF.2 cell line derived transforming sequence [Source:Jamboree;Acc:XB-GENE-949776]	1.5020	0.0001
ENSXETG00000022745	MCFD2	multiple coagulation factor deficiency 2 [Source:Jamboree;Acc:XB-GENE-981596]	1.3134	0.0231
ENSXETG00000013380	MCTP1	multiple C2 domains, transmembrane 1 [Source:Jamboree;Acc:XB-GENE-5812768]	1.4596	0.0002
ENSXETG00000024140	MCTP2	multiple C2 domains, transmembrane 2 [Source:Jamboree;Acc:XB-GENE-983153]	1.5369	0.0201
ENSXETG00000015852	MEGF11	multiple EGF-like-domains 11 [Source:Jamboree;Acc:XB-GENE-6045392]	1.3093	0.0144
ENSXETG00000013781	MERTK	c-mer proto-oncogene tyrosine kinase [Source:Jamboree;Acc:XB-GENE-493221]	1.5262	0.0030
ENSXETG00000021752	MET	met proto-oncogene (hepatocyte growth factor receptor) [Source:Jamboree;Acc:XB-GENE-481272]	1.4013	0.0086
ENSXETG00000009229	METRNL	meteorin, glial cell differentiation regulator-like [Source:Jamboree;Acc:XB-GENE-5745593]	1.4533	0.0046
ENSXETG00000017772	MFGE8	milk fat globule-EGF factor 8 protein [Source:Jamboree;Acc:XB-GENE-853465]	1.6183	0.0000
ENSXETG00000018209	MFSD2B	major facilitator superfamily domain-containing protein 2b [Source:Jamboree;Acc:XB-GENE-6044470]	2.6980	0.0000
ENSXETG00000010457	MGC89174	MGC89174 protein [Source:RefSeq peptide;Acc:NP_001005050]	7.3297	0.0035
ENSXETG00000001756	MICAL3	microtubule associated monoxygenase, calponin and LIM domain containing 3 [Source:Jamboree;Acc:XB-GENE-996271]	1.3568	0.0021
ENSXETG00000010993	MKL2	MKL/myocardin-like 2 [Source:Jamboree;Acc:XB-GENE-487634]	1.5690	0.0000
ENSXETG00000021243	MMEL1	membrane metallo-endopeptidase-like 1 [Source:Jamboree;Acc:XB-GENE-991673]	1.6603	0.0007
ENSXETG00000022372	MMP11	matrix metallopeptidase 11 (stromelysin 3) [Source:Jamboree;Acc:XB-GENE-479265]	1.8624	0.0011
ENSXETG00000002801	MMP2	matrix metallopeptidase 2 (gelatinase A, 72kDa gelatinase, 72kDa type 4 collagenase) [Source:Jamboree;Acc:XB-GENE-482841]	1.7365	0.0004
ENSXETG00000013462	MMP28	matrix metallopeptidase 28 [Source:Jamboree;Acc:XB-GENE-984024]	1.3660	0.0445
ENSXETG00000016326	MORN5	MORN repeat containing 5 [Source:Jamboree;Acc:XB-GENE-958918]	2.0812	0.0000
ENSXETG00000015590	MPP1	membrane protein, palmitoylated 1, 55kDa [Source:Jamboree;Acc:XB-GENE-5787649]	1.2253	0.0473
ENSXETG00000004861	MPPED1	metallophosphoesterase domain containing 1 [Source:Jamboree;Acc:XB-GENE-996669]	1.7927	0.0071
ENSXETG00000010902	MREG	melanoregulin [Source:Jamboree;Acc:XB-GENE-5735017]	1.3112	0.0068
ENSXETG00000027295	MRPL17	mitochondrial ribosomal protein L17 [Source:Jamboree;Acc:XB-GENE-991837]	1.3908	0.0161
ENSXETG00000007482	MSMB.3	microseminoprotein, beta-, gene 3 [Source:Jamboree;Acc:XB-GENE-1018396]	4.0321	0.0293
ENSXETG00000000700	MSRA.1	methionine sulfoxide reductase A, gene 1 [Source:Jamboree;Acc:XB-GENE-1011250]	1.2932	0.0266
ENSXETG00000007082	MTMR2	myotubularin related protein 2 [Source:Jamboree;Acc:XB-GENE-6044385]	1.6497	0.0127
ENSXETG00000010682	MTMR6	myotubularin related protein 6 [Source:Jamboree;Acc:XB-GENE-994672]	1.2973	0.0184
ENSXETG00000003217	MYLK	myosin light chain kinase [Source:Jamboree;Acc:XB-GENE-923293]	2.2534	0.0076
ENSXETG00000009218	MYNN	myoneurin [Source:Jamboree;Acc:XB-GENE-941010]	1.3418	0.0412
ENSXETG00000020323	MYO5B	myosin VB [Source:Jamboree;Acc:XB-GENE-988439]	1.6441	0.0092
ENSXETG00000027983	MYT1L	myelin transcription factor 1-like [Source:Jamboree;Acc:XB-GENE-988137]	1.2258	0.0457
ENSXETG00000000714	N/A	N/A	2.1275	0.0114
ENSXETG00000001623	N/A	N/A	1.2877	0.0175
ENSXETG00000002138	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6QPX9]	1.4751	0.0002
ENSXETG00000003049	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DMD0]	1.3974	0.0078
ENSXETG00000003880	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UDP1]	2.2359	0.0000
ENSXETG00000004615	N/A	N/A	1.4061	0.0007
ENSXETG00000005471	N/A	N/A	1.3035	0.0184
ENSXETG00000005864	N/A	N/A	1.6425	0.0008
ENSXETG00000006292	N/A	N/A	3.3310	0.0025
ENSXETG00000007242	N/A	N/A	1.2681	0.0287
ENSXETG00000008607	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YFE6]	1.2432	0.0485
ENSXETG00000009179	N/A	N/A	1.9559	0.0385
ENSXETG00000009502	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q683]	1.5654	0.0346
ENSXETG00000009685	N/A	N/A	1.3445	0.0270
ENSXETG00000009841	N/A	N/A	1.3178	0.0279
ENSXETG00000009914	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N362]	1.3173	0.0279
ENSXETG00000010050	N/A	N/A	1.3826	0.0242
ENSXETG00000010328	N/A	N/A	1.6619	0.0013
ENSXETG00000011260	N/A	N/A	1.6177	0.0347
ENSXETG00000012642	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BIV1]	9.0826	0.0380
ENSXETG00000013738	N/A	N/A	4.0468	0.0176
ENSXETG00000014065	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q2C8]	2.3902	0.0000
ENSXETG00000014223	N/A	N/A	1.5836	0.0000
ENSXETG00000015805	N/A	N/A	1.3151	0.0022
ENSXETG00000015927	N/A	N/A	1.3932	0.0488
ENSXETG00000017116	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DP94]	2.5141	0.0000
ENSXETG00000017406	N/A	N/A	2.7524	0.0000
ENSXETG00000017637	N/A	N/A	1.5756	0.0074
ENSXETG00000017695	N/A	N/A	2.2335	0.0271
ENSXETG00000018161	N/A	N/A	1.6579	0.0000
ENSXETG00000018973	N/A	N/A	1.3013	0.0160
ENSXETG00000019516	N/A	N/A	6.2159	0.0001
ENSXETG00000019724	N/A	N/A	1.3507	0.0153
ENSXETG00000020582	N/A	N/A	1.6153	0.0000
ENSXETG00000021013	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SJB2]	2.2439	0.0299
ENSXETG00000021221	N/A	N/A	1.4807	0.0007
ENSXETG00000021540	N/A	N/A	2.4487	0.0000
ENSXETG00000022663	N/A	N/A	2.5354	0.0040
ENSXETG00000022763	N/A	N/A	1.2905	0.0413
ENSXETG00000023522	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6XC23]	1.5734	0.0124
ENSXETG00000023689	N/A	N/A	1.5255	0.0004
ENSXETG00000024795	N/A	N/A	1.4289	0.0089
ENSXETG00000025154	N/A	N/A	Inf	0.0005
ENSXETG00000025546	N/A	N/A	1.8611	0.0011
ENSXETG00000025673	N/A	N/A	1.4622	0.0000
ENSXETG00000025879	N/A	N/A	1.9887	0.0000
ENSXETG00000025951	N/A	N/A	1.4970	0.0007
ENSXETG00000026432	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BCB8]	1.2592	0.0438
ENSXETG00000026637	N/A	N/A	1.2202	0.0496
ENSXETG00000026786	N/A	N/A	5.1387	0.0000
ENSXETG00000026994	N/A	N/A	1.6725	0.0000
ENSXETG00000027290	N/A	N/A	2.0899	0.0000
ENSXETG00000027367	N/A	N/A	1.6264	0.0426
ENSXETG00000027630	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K9J8F9]	1.3490	0.0259
ENSXETG00000027835	N/A	N/A	1.5436	0.0196
XLOC_000653	N/A	N/A	1.8433	0.0000
XLOC_000857	N/A	N/A	1.6246	0.0006

XLOC_001286	N/A	N/A	1.5007	0.0000
XLOC_002027	N/A	N/A	2.0275	0.0277
XLOC_002521	N/A	N/A	1.4664	0.0263
XLOC_002628	N/A	N/A	1.3615	0.0287
XLOC_002729	N/A	N/A	1.4975	0.0001
XLOC_003819	N/A	N/A	1.2611	0.0163
XLOC_003850	N/A	N/A	4.8750	0.0000
XLOC_003986	N/A	N/A	1.3498	0.0023
XLOC_004396	N/A	N/A	1.5912	0.0212
XLOC_004424	N/A	N/A	1.5174	0.0001
XLOC_005586	N/A	N/A	1.2664	0.0268
XLOC_007693	N/A	N/A	1.6435	0.0000
XLOC_008003	N/A	N/A	1.5917	0.0201
XLOC_008177	N/A	N/A	1.4863	0.0002
XLOC_008256	N/A	N/A	3.0918	0.0007
XLOC_008257	N/A	N/A	3.0918	0.0007
XLOC_009068	N/A	N/A	3.4843	0.0000
XLOC_009210	N/A	N/A	1.3175	0.0171
XLOC_009489	N/A	N/A	2.2835	0.0018
XLOC_009888	N/A	N/A	1.3287	0.0076
XLOC_010410	N/A	N/A	1.3636	0.0443
XLOC_011262	N/A	N/A	1.3941	0.0100
XLOC_011979	N/A	N/A	1.3231	0.0039
XLOC_012260	N/A	N/A	2.0201	0.0005
XLOC_012299	N/A	N/A	1.7747	0.0004
XLOC_013247	N/A	N/A	1.9250	0.0327
XLOC_013839	N/A	N/A	4.3203	0.0044
XLOC_014132	N/A	N/A	2.4088	0.0000
XLOC_014581	N/A	N/A	1.5136	0.0244
XLOC_014658	N/A	N/A	6.7709	0.0000
XLOC_014741	N/A	N/A	1.5035	0.0046
XLOC_014773	N/A	N/A	2.3166	0.0005
XLOC_014788	N/A	N/A	1.4821	0.0001
XLOC_015112	N/A	N/A	1.3565	0.0106
XLOC_015115	N/A	N/A	1.5552	0.0038
XLOC_016358	N/A	N/A	1.3512	0.0301
XLOC_016365	N/A	N/A	1.2350	0.0396
XLOC_016453	N/A	N/A	1.3351	0.0159
XLOC_016931	N/A	N/A	2.0590	0.0000
XLOC_017350	N/A	N/A	3.0319	0.0000
XLOC_017649	N/A	N/A	1.3891	0.0200
XLOC_017864	N/A	N/A	1.3649	0.0098
XLOC_018400	N/A	N/A	1.3321	0.0199
XLOC_019183	N/A	N/A	4.4296	0.0405
XLOC_019632	N/A	N/A	1.3124	0.0009
XLOC_019633	N/A	N/A	1.3296	0.0263
XLOC_020756	N/A	N/A	1.3812	0.0135
XLOC_021022	N/A	N/A	2.3963	0.0000
XLOC_021254	N/A	N/A	2.0108	0.0000
XLOC_021548	N/A	N/A	4.3538	0.0456
XLOC_021607	N/A	N/A	1.3201	0.0222
XLOC_021661	N/A	N/A	1.9458	0.0078
XLOC_021716	N/A	N/A	1.3535	0.0004
XLOC_021848	N/A	N/A	1.3559	0.0010
XLOC_022043	N/A	N/A	1.7825	0.0000
XLOC_022514	N/A	N/A	1.3473	0.0009
XLOC_023344	N/A	N/A	3.0982	0.0000
XLOC_023748	N/A	N/A	1.7090	0.0000
XLOC_023817	N/A	N/A	1.9412	0.0000
XLOC_023906	N/A	N/A	1.3697	0.0204
XLOC_024226	N/A	N/A	1.3565	0.0041
XLOC_024375	N/A	N/A	1.2065	0.0450
XLOC_024854	N/A	N/A	1.3137	0.0107
XLOC_025759	N/A	N/A	1.9794	0.0269
XLOC_025954	N/A	N/A	1.3609	0.0012
XLOC_025964	N/A	N/A	1.7581	0.0075
XLOC_027423	N/A	N/A	2.6434	0.0014
XLOC_028020	N/A	N/A	1.6234	0.0059
XLOC_028177	N/A	N/A	1.7301	0.0000
XLOC_028209	N/A	N/A	1.5593	0.0002
XLOC_028649	N/A	N/A	2.9094	0.0154
XLOC_028732	N/A	N/A	2.6927	0.0402
XLOC_029893	N/A	N/A	1.9262	0.0000
XLOC_030379	N/A	N/A	1.4595	0.0033
XLOC_030669	N/A	N/A	1.7506	0.0075
XLOC_030701	N/A	N/A	4.0923	0.0000
XLOC_030777	N/A	N/A	1.4895	0.0075
XLOC_030987	N/A	N/A	1.2859	0.0313
XLOC_031065	N/A	N/A	1.5209	0.0001
XLOC_031295	N/A	N/A	1.3221	0.0044
XLOC_031606	N/A	N/A	2.2401	0.0075
XLOC_032368	N/A	N/A	1.6342	0.0057
XLOC_034064	N/A	N/A	2.4426	0.0478
XLOC_034198	N/A	N/A	1.5859	0.0005
XLOC_034219	N/A	N/A	1.4076	0.0044
XLOC_034730	N/A	N/A	1.2910	0.0493
XLOC_035731	N/A	N/A	2.1446	0.0295
XLOC_036336	N/A	N/A	2.3301	0.0000
XLOC_037170	N/A	N/A	1.3030	0.0075
XLOC_037228	N/A	N/A	2.1023	0.0418
XLOC_037976	N/A	N/A	2.2117	0.0006
XLOC_038417	N/A	N/A	1.5784	0.0000
XLOC_038516	N/A	N/A	1.8020	0.0030
XLOC_038888	N/A	N/A	1.4865	0.0012
XLOC_038908	N/A	N/A	1.8757	0.0037
XLOC_038933	N/A	N/A	1.8305	0.0006
XLOC_039403	N/A	N/A	1.5034	0.0033
XLOC_039577	N/A	N/A	2.2576	0.0000
XLOC_039985	N/A	N/A	3.8520	0.0225
XLOC_040150	N/A	N/A	1.4173	0.0024
XLOC_040192	N/A	N/A	1.3456	0.0395
XLOC_041004	N/A	N/A	1.3340	0.0171
XLOC_041150	N/A	N/A	2.2283	0.0019
XLOC_041347	N/A	N/A	1.5389	0.0000
XLOC_041463	N/A	N/A	4.8571	0.0000
XLOC_041630	N/A	N/A	1.8038	0.0019

XLOC_042334	N/A	N/A	1.2931	0.0025
XLOC_042796	N/A	N/A	2.9768	0.0034
XLOC_042799	N/A	N/A	1.6273	0.0010
XLOC_043842	N/A	N/A	2.5183	0.0014
XLOC_043897	N/A	N/A	2.2768	0.0000
XLOC_044974	N/A	N/A	1.2522	0.0201
XLOC_045152	N/A	N/A	11.1111	0.0054
ENSXETG00000016900	NAA15	N(alpha)-acetyltransferase 15, NatA auxiliary subunit [Source:Jamboree;Acc:XB-GENE-960101]	1.2984	0.0392
ENSXETG00000005594	NACC1	nucleus accumbens associated 1, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-979467]	1.2997	0.0059
ENSXETG00000000723	NACC2	NACC family member 2, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-986407]	2.4264	0.0003
ENSXETG00000013251	NCEH1	neutral cholesterol ester hydrolase 1 [Source:Jamboree;Acc:XB-GENE-959943]	1.5080	0.0000
ENSXETG00000003480	NCOA3	nuclear receptor coactivator 3 [Source:Jamboree;Acc:XB-GENE-486618]	1.3566	0.0003
ENSXETG00000001192	NCOR2	nuclear receptor corepressor 2 [Source:Jamboree;Acc:XB-GENE-5963150]	1.8634	0.0000
ENSXETG00000016599	NEBL	nebulette [Source:Jamboree;Acc:XB-GENE-492269]	1.5501	0.0000
ENSXETG00000014601	NECAB1	N-terminal EF-hand calcium binding protein 1 [Source:Jamboree;Acc:XB-GENE-943030]	1.2483	0.0153
ENSXETG00000016418	NEFH	neurofilament, heavy polypeptide [Source:Jamboree;Acc:XB-GENE-920068]	1.2035	0.0356
ENSXETG00000010142	NEFL	neurofilament, light polypeptide [Source:Jamboree;Acc:XB-GENE-492106]	1.3345	0.0045
ENSXETG00000016864	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1 [Source:Jamboree;Acc:XB-GENE-1013796]	1.4843	0.0000
ENSXETG00000008149	NFIC	nuclear factor I/C (CCAAT-binding transcription factor) [Source:Jamboree;Acc:XB-GENE-484367]	2.5214	0.0000
ENSXETG00000019001	NPC1L1	NPC1 (Niemann-Pick disease, type C1, gene)-like 1 [Source:Jamboree;Acc:XB-GENE-964011]	3.3260	0.0000
ENSXETG00000006144	NPFFR1	neuropeptide FF receptor 1 [Source:Jamboree;Acc:XB-GENE-987767]	1.4097	0.0426
ENSXETG00000013082	NPPB	natriuretic peptide B [Source:Jamboree;Acc:XB-GENE-487178]	1.7719	0.0006
ENSXETG00000014291	NPR1	natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A) [Source:Jamboree;Acc:XB-GENE-970522]	1.4523	0.0142
ENSXETG00000024397	NR1D1	nuclear receptor subfamily 1, group D, member 1 [Source:Jamboree;Acc:XB-GENE-478094]	1.4819	0.0000
ENSXETG00000003869	NR1D2	nuclear receptor subfamily 1, group D, member 2 [Source:Jamboree;Acc:XB-GENE-478410]	1.2625	0.0350
ENSXETG00000011046	NR2F5	nuclear receptor subfamily 2, group F, member 5 [Source:Jamboree;Acc:XB-GENE-486334]	2.4406	0.0009
ENSXETG00000026061	NR3C2	nuclear receptor subfamily 3, group C, member 2 [Source:Jamboree;Acc:XB-GENE-483085]	2.4827	0.0000
ENSXETG00000007233	NSD1	nuclear receptor binding SET domain protein 1 [Source:Jamboree;Acc:XB-GENE-989206]	1.2891	0.0098
ENSXETG00000005741	NT5M	5',3'-nucleotidase, mitochondrial [Source:Jamboree;Acc:XB-GENE-5879843]	1.3683	0.0100
ENSXETG00000015706	NTM	neurotrimin [Source:Jamboree;Acc:XB-GENE-6045425]	1.2477	0.0144
ENSXETG00000007198	NUDT22	nudix (nucleoside diphosphate linked moiety X)-type motif 22 [Source:Jamboree;Acc:XB-GENE-5961541]	2.1152	0.0000
ENSXETG00000025077	NUS1	nuclear undecaprenyl pyrophosphate synthase 1 homolog [Source:Jamboree;Acc:XB-GENE-981164]	1.4501	0.0171
ENSXETG00000011546	OPRL1	opiate receptor-like 1 [Source:Jamboree;Acc:XB-GENE-5825353]	1.2984	0.0095
ENSXETG00000000442	OPTC	opticin [Source:Jamboree;Acc:XB-GENE-941989]	1.2670	0.0353
ENSXETG00000002006	OSBPL2	oxysterol binding protein-like 2 [Source:Jamboree;Acc:XB-GENE-855645]	1.3945	0.0106
ENSXETG00000003330	OTOF	otoferlin [Source:Jamboree;Acc:XB-GENE-1006200]	1.2621	0.0371
ENSXETG00000025778	OXNAD1	oxidoreductase NAD-binding domain containing 1 [Source:Jamboree;Acc:XB-GENE-971236]	1.6697	0.0039
ENSXETG00000010723	P2RY2	purinergic receptor P2Y, G-protein coupled, 2 [Source:Jamboree;Acc:XB-GENE-1005097]	10.0867	0.0002
ENSXETG00000010724	P2RY6	pyrimidinergic receptor P2Y, G-protein coupled, 6 [Source:Jamboree;Acc:XB-GENE-955049]	1.4852	0.0012
ENSXETG00000021730	PAPPA	pregnancy-associated plasma protein A, pappalysin 1 [Source:Jamboree;Acc:XB-GENE-482885]	2.0399	0.0001
ENSXETG00000002598	PAQR6	progestin and adipoQ receptor family member VI [Source:Jamboree;Acc:XB-GENE-5863258]	1.2712	0.0175
ENSXETG00000004872	PARVB	parvin, beta [Source:Jamboree;Acc:XB-GENE-947900]	1.4460	0.0256
ENSXETG00000012808	PCDH20	protocadherin 20 [Source:Jamboree;Acc:XB-GENE-4841153]	1.4462	0.0108
ENSXETG00000006663	PCSK6	proprotein convertase subtilisin/kexin type 6 [Source:Jamboree;Acc:XB-GENE-979058]	1.7802	0.0012
ENSXETG00000023430	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa [Source:Jamboree;Acc:XB-GENE-994226]	1.5106	0.0006
ENSXETG00000001379	PDGFA	platelet-derived growth factor alpha polypeptide [Source:Jamboree;Acc:XB-GENE-484495]	1.4069	0.0002
ENSXETG00000021035	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide [Source:Jamboree;Acc:XB-GENE-6072920]	1.6773	0.0083
ENSXETG00000000689	PDGFRL	platelet-derived growth factor receptor-like [Source:Jamboree;Acc:XB-GENE-921443]	1.8933	0.0122
ENSXETG00000017929	PDIA4	protein disulfide isomerase family A, member 4 [Source:Jamboree;Acc:XB-GENE-5892157]	1.5319	0.0001
ENSXETG00000007240	PDLIM7	PDZ and LIM domain 7 (enigma) [Source:Jamboree;Acc:XB-GENE-5860425]	1.2871	0.0350
ENSXETG00000021587	PDZD3	PDZ domain containing 3 [Source:Jamboree;Acc:XB-GENE-486153]	3.1938	0.0000
ENSXETG00000025813	PEBP4	phosphatidylethanolamine-binding protein 4 [Source:Jamboree;Acc:XB-GENE-941751]	1.6401	0.0268
ENSXETG00000006756	PHKA1P1	phosphorylase kinase, alpha 1 pseudogene 1 [Source:Jamboree;Acc:XB-GENE-1012252]	1.5523	0.0000
ENSXETG00000010064	PHKG1	phosphorylase kinase, gamma 1 (muscle) [Source:Jamboree;Acc:XB-GENE-987485]	2.8925	0.0000
ENSXETG00000019722	PHTF2	putative homeodomain transcription factor 2 [Source:Jamboree;Acc:XB-GENE-1010978]	1.3468	0.0169
ENSXETG00000010535	PHYHIP	phytanoyl-CoA 2-hydroxylase interacting protein [Source:Jamboree;Acc:XB-GENE-999561]	2.0710	0.0027
ENSXETG00000014529	PIM3	pim-3 oncogene [Source:Jamboree;Acc:XB-GENE-922022]	1.4560	0.0000
ENSXETG00000001678	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta [Source:Jamboree;Acc:XB-GENE-987075]	1.3209	0.0040
ENSXETG00000010057	PITPNC1	phosphatidylinositol transfer protein, cytoplasmic 1 [Source:Jamboree;Acc:XB-GENE-5779888]	1.5188	0.0000
ENSXETG00000009136	PLD1	phospholipase D1, phosphatidylcholine-specific [Source:Jamboree;Acc:XB-GENE-948465]	1.8233	0.0015
ENSXETG00000026788	PLEKHB2	pleckstrin homology domain containing, family B (evectins) member 2 [Source:Jamboree;Acc:XB-GENE-983205]	1.5149	0.0467
ENSXETG00000016596	PLXDC2	plexin domain containing 2 [Source:Jamboree;Acc:XB-GENE-856530]	1.4238	0.0030
ENSXETG00000011263	PMEPA1	prostate transmembrane protein, androgen induced 1 [Source:Jamboree;Acc:XB-GENE-1013948]	2.8260	0.0000
ENSXETG00000007699	PNCK	pregnancy up-regulated non-ubiquitously expressed CaM kinase [Source:Jamboree;Acc:XB-GENE-961042]	1.4530	0.0000
ENSXETG00000004865	PNPLA3	patatin-like phospholipase domain containing 3 [Source:Jamboree;Acc:XB-GENE-5855123]	1.9287	0.0000
ENSXETG00000001142	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa [Source:Jamboree;Acc:XB-GENE-5913354]	1.8918	0.0443
ENSXETG00000008726	PPM1L	protein phosphatase, Mg2+/Mn2+ dependent, 1L [Source:Jamboree;Acc:XB-GENE-950664]	1.3028	0.0078
ENSXETG00000018235	PPP1R13L	protein phosphatase 1, regulatory (inhibitor) subunit 13 like [Source:Jamboree;Acc:XB-GENE-5848597]	1.7437	0.0244
ENSXETG00000022545	PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C [Source:Jamboree;Acc:XB-GENE-487684]	1.2950	0.0060
ENSXETG00000012142	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B [Source:Jamboree;Acc:XB-GENE-982398]	1.3282	0.0088
ENSXETG00000011604	PPP2R2C	protein phosphatase 2, regulatory subunit B, gamma [Source:Jamboree;Acc:XB-GENE-6076030]	1.3519	0.0007
ENSXETG00000010224	PPP2R5C	protein phosphatase 2, regulatory subunit B', gamma [Source:Jamboree;Acc:XB-GENE-479228]	1.5150	0.0000
ENSXETG00000010315	PPP4R4	protein phosphatase 4, regulatory subunit 4 [Source:Jamboree;Acc:XB-GENE-1011051]	1.2887	0.0169
ENSXETG00000026025	PPPDE2	PPPDE peptidase domain containing 2 [Source:Jamboree;Acc:XB-GENE-998981]	1.3505	0.0036
ENSXETG00000010261	PRDM6	PR domain containing 6 [Source:Jamboree;Acc:XB-GENE-854907]	1.3948	0.0025
ENSXETG00000006797	PRICKLE1	prickle homolog 1 [Source:Jamboree;Acc:XB-GENE-486941]	1.4269	0.0285
ENSXETG00000019260	PROCA1	protein interacting with cyclin A1 [Source:Jamboree;Acc:XB-GENE-1005546]	1.2742	0.0054
ENSXETG00000000213	PRPH2	peripherin 2 (retinal degeneration, slow) [Source:Jamboree;Acc:XB-GENE-985594]	1.4663	0.0017
ENSXETG00000005902	PRTFDC1	phosphoribosyl transferase domain containing 1 [Source:Jamboree;Acc:XB-GENE-942165]	2.8010	0.0367
ENSXETG00000007448	PTER	phosphotriesterase related [Source:Jamboree;Acc:XB-GENE-1007035]	1.4867	0.0217
ENSXETG00000017538	PTK2B	PTK2B protein tyrosine kinase 2 beta [Source:Jamboree;Acc:XB-GENE-489525]	3.2944	0.0004
ENSXETG00000018299	PURG	purine-rich element binding protein G [Source:Jamboree;Acc:XB-GENE-992870]	2.3119	0.0346
ENSXETG00000018261	QPCTL	glutaminyl-peptide cyclotransferase-like [Source:Jamboree;Acc:XB-GENE-940804]	1.8862	0.0000
ENSXETG00000011781	RAB11FIP5	RAB11 family interacting protein 5 (class 1) [Source:Jamboree;Acc:XB-GENE-481066]	1.8312	0.0001
ENSXETG00000006331	RANGAP1	Ran GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-489955]	1.3267	0.0124
ENSXETG00000012970	RAP1GAP2	RAP1 GTPase activating protein 2 [Source:Jamboree;Acc:XB-GENE-6050621]	1.3351	0.0077
ENSXETG00000010347	RAS-DVA	ras-related protein ras-dva [Source:Jamboree;Acc:XB-GENE-1217929]	2.9834	0.0014
ENSXETG00000013833	RASA3	RAS p21 protein activator 3 [Source:Jamboree;Acc:XB-GENE-920756]	1.3296	0.0137
ENSXETG00000012564	RASGEF1B	RasGEF domain family, member 1B [Source:Jamboree;Acc:XB-GENE-1015760]	1.3421	0.0044
ENSXETG00000022942	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2 [Source:Jamboree;Acc:XB-GENE-483993]	1.2872	0.0457
ENSXETG00000018074	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG-regulated) [Source:Jamboree;Acc:XB-GENE-489811]	1.7147	0.0373
ENSXETG00000023679	RASSF5	Ras association (RalGDS/AF-6) domain family member 5 [Source:Jamboree;Acc:XB-GENE-6468139]	1.6504	0.0450
ENSXETG00000022412	RBM46	probable RNA-binding protein 46 [Source:RefSeq peptide;Acc:NP_001072501]	1.2647	0.0296
ENSXETG00000003636	RCAN1	regulator of calcineurin 1 [Source:Jamboree;Acc:XB-GENE-489568]	1.2835	0.0225
ENSXETG00000016260	RCAN2	regulator of calcineurin 2 [Source:Jamboree;Acc:XB-GENE-945556]	1.5596	0.0000
ENSXETG00000014442	RD3	retinal degeneration 3 [Source:Jamboree;Acc:XB-GENE-1002200]	1.6797	0.0285
ENSXETG00000013757	REM2	RAS (RAD and GEM)-like GTP binding 2 [Source:Jamboree;Acc:XB-GENE-491229]	1.4116	0.0069
ENSXETG00000001110	REPS2	RALBP1 associated Eps domain containing 2 [Source:Jamboree;Acc:XB-GENE-985000]	1.3430	0.0030
ENSXETG00000005675	RGS2	regulator of G-protein signaling 2, 24kDa [Source:Jamboree;Acc:XB-GENE-968776]	1.7875	0.0022
ENSXETG00000010462	RGS5	regulator of G-protein signaling 5 [Source:Jamboree;Acc:XB-GENE-971917]	1.2801	0.0365
ENSXETG00000003585	RHOJ	ras homolog gene family, member J [Source:Jamboree;Acc:XB-GENE-957540]	1.5238	0.0031
ENSXETG00000003068	RIBC2	RIB43A domain with coiled-coils 2 [Source:Jamboree;Acc:XB-GENE-1014141]	1.5896	0.0267
ENSXETG00000004121	RRM2B	ribonucleotide reductase M2 B (TP53 inducible) [Source:Jamboree;Acc:XB-GENE-970633]	1.2884	0.0171
ENSXETG00000021714	RTKN	rhotekin [Source:Jamboree;Acc:XB-GENE-5943262]	1.2847	0.0395
ENSXETG00000019493	RXFP1	relaxin/insulin-like family peptide receptor 1 [Source:Jamboree;Acc:XB-GENE-985695]	1.4546	0.0268

ENSXETG00000019186	RXFP2	relaxin/insulin-like family peptide receptor 2 [Source:Jamboree;Acc:XB-GENE-1011464]	1.3302	0.0144
ENSXETG00000012733	RXRA	retinoid X receptor, alpha [Source:Jamboree;Acc:XB-GENE-478718]	1.3562	0.0427
ENSXETG00000010123	SCN4B	sodium channel, voltage-gated, type IV, beta [Source:Jamboree;Acc:XB-GENE-921510]	1.7711	0.0000
ENSXETG00000012277	SCUBE1	signal peptide, CUB domain, EGF-like 1 [Source:Jamboree;Acc:XB-GENE-1009947]	1.5174	0.0252
ENSXETG00000005692	SCXA	scleraxis homolog A [Source:Jamboree;Acc:XB-GENE-939816]	1.3960	0.0076
ENSXETG00000004039	SEC24C	SEC24 family, member C [Source:Jamboree;Acc:XB-GENE-977055]	1.8711	0.0499
ENSXETG00000016939	SETD7	SET domain containing (lysine methyltransferase) 7 [Source:Jamboree;Acc:XB-GENE-949196]	1.4381	0.0090
ENSXETG00000000210	SHANK1	SH3 and multiple ankyrin repeat domains 1 [Source:Jamboree;Acc:XB-GENE-1013268]	1.3269	0.0268
ENSXETG00000004167	SHROOM1	shroom family member 1 [Source:Jamboree;Acc:XB-GENE-6492080]	1.3518	0.0139
ENSXETG00000008946	SKA1	spindle and kinetochore associated complex subunit 1 [Source:Jamboree;Acc:XB-GENE-5759531]	2.7172	0.0131
ENSXETG00000019731	SLC13A5	solute carrier family 13 (sodium-dependent citrate transporter), member 5 [Source:Jamboree;Acc:XB-GENE-983513]	3.4645	0.0000
ENSXETG00000012024	SLC15A2	solute carrier family 15 (H+/peptide transporter), member 2 [Source:Jamboree;Acc:XB-GENE-486968]	2.4611	0.0360
ENSXETG00000012467	SLC16A13	solute carrier family 16, member 13 (monocarboxylic acid transporter 13) [Source:Jamboree;Acc:XB-GENE-5905916]	1.5910	0.0081
ENSXETG00000019700	SLC16A3	solute carrier family 16, member 3 (monocarboxylic acid transporter 4) [Source:Jamboree;Acc:XB-GENE-483002]	1.3761	0.0104
ENSXETG00000016853	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2 [Source:Jamboree;Acc:XB-GENE-966414]	1.3318	0.0098
ENSXETG00000000793	SLC24A3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 [Source:Jamboree;Acc:XB-GENE-958238]	1.3644	0.0367
ENSXETG00000018810	SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12 [Source:Jamboree;Acc:XB-GENE-1002100]	1.3007	0.0141
ENSXETG00000007731	SLC25A25	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25 [Source:Jamboree;Acc:XB-GENE-5933194]	1.2736	0.0245
ENSXETG00000016256	SLC25A27	solute carrier family 25, member 27 [Source:Jamboree;Acc:XB-GENE-1005902]	1.4717	0.0424
ENSXETG00000027655	SLC25A40	solute carrier family 25, member 40 [Source:Jamboree;Acc:XB-GENE-1003942]	1.5390	0.0148
ENSXETG00000002721	SLC30A10	solute carrier family 30, member 10 [Source:Jamboree;Acc:XB-GENE-1003783]	1.6095	0.0148
ENSXETG00000021074	SLC30A9	solute carrier family 30 (zinc transporter), member 9 [Source:Jamboree;Acc:XB-GENE-976698]	1.3169	0.0141
ENSXETG00000012306	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1 [Source:Jamboree;Acc:XB-GENE-971528]	1.7532	0.0026
ENSXETG00000011984	SLC35F4	solute carrier family 35, member F4 [Source:Jamboree;Acc:XB-GENE-983757]	1.3950	0.0216
ENSXETG00000014976	SLC39A6	solute carrier family 39 (zinc transporter), member 6 [Source:Jamboree;Acc:XB-GENE-986480]	1.2921	0.0137
ENSXETG00000016198	SLC4A10	solute carrier family 4, sodium bicarbonate transporter, member 10 [Source:Jamboree;Acc:XB-GENE-1011116]	1.3440	0.0103
ENSXETG00000022665	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10 [Source:Jamboree;Acc:XB-GENE-6035396]	3.5759	0.0000
ENSXETG00000003633	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1 [Source:Jamboree;Acc:XB-GENE-5824076]	1.3708	0.0022
ENSXETG00000011885	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 [Source:Jamboree;Acc:XB-GENE-479449]	1.4908	0.0001
ENSXETG00000009157	SLC7A14	solute carrier family 7 (orphan transporter), member 14 [Source:Jamboree;Acc:XB-GENE-1010371]	1.3294	0.0012
ENSXETG00000002216	SLC8A3	solute carrier family 8 (sodium/calcium exchanger), member 3 [Source:Jamboree;Acc:XB-GENE-954537]	1.5547	0.0004
ENSXETG00000011257	SLCO4A1	solute carrier organic anion transporter family, member 4A1 [Source:Jamboree;Acc:XB-GENE-5905026]	1.3341	0.0404
ENSXETG00000015939	SMAD6	SMAD family member 6 [Source:Jamboree;Acc:XB-GENE-481307]	1.4681	0.0012
ENSXETG00000022798	SOSTDC1	sclerostin domain containing 1 [Source:Jamboree;Acc:XB-GENE-478256]	1.8348	0.0010
ENSXETG00000006348	SOX10	SRY (sex determining region Y)-box 10 [Source:Jamboree;Acc:XB-GENE-480304]	1.7740	0.0002
ENSXETG00000024011	SOX12	SRY (sex determining region Y)-box 12 [Source:Jamboree;Acc:XB-GENE-483252]	1.5607	0.0001
ENSXETG00000017876	SPAG1	sperm associated antigen 1 [Source:Jamboree;Acc:XB-GENE-853609]	1.3927	0.0401
ENSXETG00000006748	SPECC1	sperm antigen with calponin homology and coiled-coil domains 1 [Source:Jamboree;Acc:XB-GENE-956924]	1.2971	0.0166
ENSXETG00000000155	SPINT2	serine peptidase inhibitor, Kunitz type, 2 [Source:Jamboree;Acc:XB-GENE-947329]	2.0588	0.0088
ENSXETG00000014000	SPRED2	sprouty-related, EVH1 domain containing 2 [Source:Jamboree;Acc:XB-GENE-485591]	1.2275	0.0413
ENSXETG00000016039	SSTR3	somatostatin receptor 3 [Source:Jamboree;Acc:XB-GENE-984793]	1.7228	0.0000
ENSXETG00000002971	ST6GALNAC5	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5 [Source:Jamboree;Acc:XB-GENE-953591]	1.3490	0.0071
ENSXETG00000006929	STARD4	StAR-related lipid transfer (START) domain containing 4 [Source:Jamboree;Acc:XB-GENE-5944117]	1.5850	0.0002
ENSXETG00000024859	STXBP6	syntaxin binding protein 6 (amisyn) [Source:Jamboree;Acc:XB-GENE-489066]	1.3919	0.0449
ENSXETG00000005583	SURF4.1	surfeit 4, gene 1 [Source:Jamboree;Acc:XB-GENE-5807555]	1.3572	0.0176
ENSXETG00000011517	SYN3	synapsin III [Source:HGNC Symbol;Acc:HGNC:11496]	1.3019	0.0066
ENSXETG00000006915	SYNGR1	synaptogyrin 1 [Source:Jamboree;Acc:XB-GENE-494921]	1.2219	0.0299
ENSXETG00000018811	SYNM	synemin, intermediate filament protein [Source:Jamboree;Acc:XB-GENE-992892]	2.6849	0.0032
ENSXETG00000008597	SYTL5	synaptotagmin-like 5 [Source:Jamboree;Acc:XB-GENE-982310]	1.4391	0.0096
ENSXETG00000008080	TASP1	taspase, threonine aspartase, 1 [Source:Jamboree;Acc:XB-GENE-5829718]	1.4187	0.0023
ENSXETG00000016201	TBR1	T-box, brain, 1 [Source:Jamboree;Acc:XB-GENE-942241]	1.6217	0.0090
ENSXETG00000006790	TCTEX1D1	Tctex1 domain containing 1 [Source:Jamboree;Acc:XB-GENE-5960232]	1.6280	0.0120
ENSXETG00000000682	TDH	L-threonine dehydrogenase [Source:Jamboree;Acc:XB-GENE-976744]	2.4023	0.0000
ENSXETG00000007222	TEX2.1	testis expressed 2, gene 1 [Source:Jamboree;Acc:XB-GENE-5879889]	1.8778	0.0000
ENSXETG00000019180	TFF2	trefoil factor 2 [Source:Jamboree;Acc:XB-GENE-5824118]	1.4682	0.0001
ENSXETG00000015347	TGFB2	transforming growth factor, beta 2 [Source:Jamboree;Acc:XB-GENE-480560]	1.6650	0.0002
ENSXETG00000007922	THIBZ	thyroid hormone induced bZip protein [Source:Jamboree;Acc:XB-GENE-484679]	43.4570	0.0000
ENSXETG00000003871	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2) [Source:Jamboree;Acc:XB-GENE-6070709]	3.5630	0.0000
ENSXETG00000001473	TMCC1	transmembrane and coiled-coil domain family 1 [Source:Jamboree;Acc:XB-GENE-5881367]	1.3405	0.0221
ENSXETG00000016992	TMEM121	transmembrane protein 121 [Source:Jamboree;Acc:XB-GENE-1012117]	1.3922	0.0108
ENSXETG00000023736	TMEM132D	transmembrane protein 132D [Source:Jamboree;Acc:XB-GENE-5874430]	1.4877	0.0075
ENSXETG00000016712	TMEM159	transmembrane protein 159 [Source:Jamboree;Acc:XB-GENE-941359]	1.6327	0.0175
ENSXETG00000027689	TMEM229A	transmembrane protein 229A [Source:Jamboree;Acc:XB-GENE-969915]	1.3384	0.0450
ENSXETG00000003607	TMEM30A	transmembrane protein 30A [Source:Jamboree;Acc:XB-GENE-5816275]	1.2215	0.0384
ENSXETG00000001004	TMEM54	transmembrane protein 54 [Source:Jamboree;Acc:XB-GENE-490434]	1.3606	0.0108
ENSXETG00000010124	TMPRSS4	transmembrane protease, serine 4 [Source:Jamboree;Acc:XB-GENE-940762]	1.7443	0.0000
ENSXETG00000012764	TNFAIP2	tumor necrosis factor, alpha-induced protein 2 [Source:Jamboree;Acc:XB-GENE-1005945]	1.3627	0.0087
ENSXETG00000011317	TNFRSF21	tumor necrosis factor receptor superfamily, member 21 [Source:Jamboree;Acc:XB-GENE-987803]	1.3383	0.0019
ENSXETG00000019471	TP53INP2	tumor protein p53 inducible nuclear protein 2 [Source:Jamboree;Acc:XB-GENE-950012]	1.4396	0.0001
ENSXETG00000021842	TPD52L1	tumor protein D52-like 1 [Source:Jamboree;Acc:XB-GENE-961168]	1.9350	0.0002
ENSXETG00000012746	TRAF3	TNF receptor-associated factor 3 [Source:Jamboree;Acc:XB-GENE-968262]	2.3412	0.0001
ENSXETG00000027887	TRIB2	tribbles homolog 2 [Source:Jamboree;Acc:XB-GENE-489426]	1.2934	0.0036
ENSXETG00000003271	TRPM8	transient receptor potential cation channel, subfamily M, member 8 [Source:Jamboree;Acc:XB-GENE-998832]	1.5289	0.0011
ENSXETG00000022236	TSPAN18	tetraspanin 18 [Source:Jamboree;Acc:XB-GENE-868385]	1.4785	0.0001
ENSXETG00000019055	TSPAN4	tetraspanin 4 [Source:HGNC Symbol;Acc:HGNC:11859]	1.2513	0.0237
ENSXETG00000025552	TUSC5	tumor suppressor candidate 5 [Source:Jamboree;Acc:XB-GENE-5890856]	1.4079	0.0033
ENSXETG00000003900	UBASH3B	ubiquitin associated and SH3 domain containing B [Source:Jamboree;Acc:XB-GENE-5757837]	1.6672	0.0000
ENSXETG00000004711	UCHL3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase) [Source:Jamboree;Acc:XB-GENE-980858]	1.4252	0.0062
ENSXETG00000021133	ULK3	unc-51-like kinase 3 [Source:Jamboree;Acc:XB-GENE-5958931]	1.3655	0.0066
ENSXETG00000019221	UNC5C	unc-5 homolog C [Source:Jamboree;Acc:XB-GENE-921628]	1.2469	0.0350
ENSXETG00000013401	UNC5D	unc-5 homolog D [Source:Jamboree;Acc:XB-GENE-922923]	1.4370	0.0003
ENSXETG00000003152	USP14	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase) [Source:Jamboree;Acc:XB-GENE-971842]	1.2702	0.0284
ENSXETG00000014965	VIL1	villin 1 [Source:Jamboree;Acc:XB-GENE-965127]	4.3054	0.0000
ENSXETG00000017117	VSTM5	V-set and transmembrane domain containing 5 [Source:Jamboree;Acc:XB-GENE-940096]	2.8538	0.0000
ENSXETG00000017559	VWA5B1	von Willebrand factor A domain containing 5B1 [Source:Jamboree;Acc:XB-GENE-6462478]	1.5717	0.0000
ENSXETG00000016758	XB-GENE-1002559	Putative ortholog of ras-related protein Rab-14, 1 of 2 [Source:Jamboree;Acc:XB-GENE-1002559]	1.4525	0.0412
ENSXETG00000008182	XB-GENE-5767035	hypothetical protein LOC100145763 [Source:Jamboree;Acc:XB-GENE-5767035]	1.5290	0.0021
ENSXETG00000024935	XB-GENE-5772074	hypothetical protein LOC100144966 [Source:Jamboree;Acc:XB-GENE-5772074]	1.7305	0.0000
ENSXETG00000000158	XB-GENE-5822257	hypothetical protein LOC100124990 [Source:Jamboree;Acc:XB-GENE-5822257]	1.2948	0.0139
ENSXETG00000021633	XB-GENE-5947997	hypothetical protein LOC100037843 [Source:Jamboree;Acc:XB-GENE-5947997]	1.4408	0.0074
ENSXETG00000005334	XB-GENE-5961850	hypothetical protein LOC100144987 [Source:Jamboree;Acc:XB-GENE-5961850]	1.7825	0.0216
ENSXETG00000009147	XB-GENE-5962512	hypothetical protein LOC100125055 [Source:Jamboree;Acc:XB-GENE-5962512]	1.5574	0.0023
ENSXETG00000007209	XB-GENE-5994048	N/A	1.6784	0.0011
ENSXETG00000002677	XB-GENE-942501	Putative ortholog of pCTP-like protein (PCTP-L) (StAR-related lipid transfer protein 10) (StARD10) (START domain-containing protein 10) (Serologically defined colon cancer antigen 28 homolog), 1 of 1 [Source:Jamboree;Acc:XB-GENE-942501]	1.4304	0.0197
ENSXETG00000010002	XB-GENE-987370	Putative ortholog of urokinase-type plasminogen activator precursor (EC 3.4.21.73) (uPA) (U-plasminogen activator), 1 of 1 [Source:Jamboree;Acc:XB-GENE-987370]	1.7788	0.0058
ENSXETG00000027416	XBP1	X-box binding protein 1 [Source:Jamboree;Acc:XB-GENE-487124]	1.2839	0.0212
ENSXETG00000028993	XTR-MIR-128-2	xtr-mir-128-2 [Source:miRBase;Acc:MI0004828]	1.4713	0.0015
ENSXETG00000029129	XTR-MIR-489	xtr-mir-489 [Source:miRBase;Acc:MI0004884]	1.2992	0.0351
ENSXETG00000029091	XTR-MIR-7-2	xtr-mir-7-2 [Source:miRBase;Acc:MI0004792]	1.5867	0.0000
ENSXETG00000022950	ZBTB16	zinc finger and BTB domain containing 16 [Source:Jamboree;Acc:XB-GENE-478310]	1.3234	0.0086
ENSXETG00000000694	ZDHHC2	zinc finger, DHHC-type containing 2 [Source:Jamboree;Acc:XB-GENE-947256]	1.4523	0.0015

ENSXETG00000020484	ZFYVE28	lateral signaling target protein 2 homolog [Source:RefSeq peptide;Acc:NP_001072498]	1.3254	0.0244
ENSXETG00000013463	ZMYND12	zinc finger, MYND-type containing 12 [Source:Jamboree;Acc:XB-GENE-978195]	1.7830	0.0000
ENSXETG00000006633	ZNF706	zinc finger protein 706 [Source:Jamboree;Acc:XB-GENE-980122]	1.3645	0.0136

Complete List of Downregulated Genes Between NF stage 56 and 62

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000021974	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10 [Source:Jamboree;Acc:XB-GENE-6464279]	0.3639	0.0140
ENSXETG00000002493	ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1 [Source:Jamboree;Acc:XB-GENE-953835]	0.8045	0.0435
ENSXETG00000003740	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2 [Source:Jamboree;Acc:XB-GENE-1012796]	0.6836	0.0386
ENSXETG00000026360	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6 [Source:Jamboree;Acc:XB-GENE-6465366]	0.3984	0.0000
ENSXETG00000027291	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4 [Source:Jamboree;Acc:XB-GENE-1006704]	0.7473	0.0059
ENSXETG00000000340	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2 [Source:Jamboree;Acc:XB-GENE-991895]	0.7276	0.0389
ENSXETG00000009199	ABHD10	abhydrolase domain containing 10 [Source:Jamboree;Acc:XB-GENE-994024]	0.6982	0.0000
ENSXETG00000022398	ACCN5	amiloride-sensitive cation channel 5, intestinal [Source:Jamboree;Acc:XB-GENE-983430]	0.7107	0.0163
ENSXETG00000024487	ACER2	alkaline ceramidase 2 [Source:Jamboree;Acc:XB-GENE-1015552]	0.7465	0.0228
ENSXETG00000006223	ACOT9	acyl-CoA thioesterase 9 [Source:Jamboree;Acc:XB-GENE-943630]	0.7710	0.0142
ENSXETG00000006826	ACSF2	acyl-CoA synthetase family member 2 [Source:Jamboree;Acc:XB-GENE-993379]	0.5842	0.0027
ENSXETG00000014528	ACSS3	acyl-CoA synthetase short-chain family member 3 [Source:Jamboree;Acc:XB-GENE-6035224]	0.5552	0.0000
ENSXETG00000009279	ACTA2	actin, alpha 2, smooth muscle, aorta [Source:Jamboree;Acc:XB-GENE-493937]	0.5921	0.0040
ENSXETG00000027641	ACTG1	actin, gamma 1 [Source:Jamboree;Acc:XB-GENE-491618]	0.7819	0.0236
ENSXETG00000009313	ADH1B	class I alcohol dehydrogenase, beta subunit [Source:RefSeq peptide;Acc:NP_001011431]	0.2765	0.0158
ENSXETG00000009304	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide [Source:Jamboree;Acc:XB-GENE-977214]	0.6776	0.0059
ENSXETG00000009427	AGA	aspartylglucosaminidase [Source:Jamboree;Acc:XB-GENE-1001622]	0.6807	0.0150
ENSXETG00000019486	AHCY	adenosylhomocysteinase [Source:Jamboree;Acc:XB-GENE-950017]	0.6390	0.0000
ENSXETG00000022017	ALAS2	aminolevulinate, delta-, synthase 2 [Source:Jamboree;Acc:XB-GENE-487573]	0.6327	0.0031
ENSXETG00000011551	ALDH1L1	aldehyde dehydrogenase 1 family, member L1 [Source:Jamboree;Acc:XB-GENE-1016237]	0.4418	0.0003
ENSXETG00000024058	ALDOB	aldolase B, fructose-bisphosphate [Source:Jamboree;Acc:XB-GENE-5925393]	0.5041	0.0005
ENSXETG00000025674	ALG1	asparagine-linked glycosylation 1, beta-1,4-mannosyltransferase homolog [Source:Jamboree;Acc:XB-GENE-1006362]	0.7964	0.0464
ENSXETG00000023244	ALPL	alkaline phosphatase, liver/bone/kidney [Source:Jamboree;Acc:XB-GENE-1010301]	0.3101	0.0002
ENSXETG00000005937	AMT	aminomethyltransferase [Source:Jamboree;Acc:XB-GENE-921598]	0.4478	0.0013
ENSXETG00000014357	ANGEL2	angel homolog 2 [Source:Jamboree;Acc:XB-GENE-985562]	0.6902	0.0002
ENSXETG00000006436	ANKLE1	ankyrin repeat and LEM domain containing 1 [Source:Jamboree;Acc:XB-GENE-6045314]	0.6301	0.0000
ENSXETG00000008211	ANKRD10	ankyrin repeat domain 10 [Source:Jamboree;Acc:XB-GENE-999908]	0.7237	0.0001
ENSXETG00000009516	ANP32C	acidic (leucine-rich) nuclear phosphoprotein 32 family, member C [Source:Jamboree;Acc:XB-GENE-991758]	0.7920	0.0316
ENSXETG00000018089	ARHGAP11A.1	Rho GTPase activating protein 11A, gene 1 [Source:Jamboree;Acc:XB-GENE-1010876]	0.5803	0.0023
ENSXETG00000003417	ARHGAP19	Rho GTPase activating protein 19 [Source:Jamboree;Acc:XB-GENE-6041529]	0.3347	0.0001
ENSXETG00000021474	ARHGEF15	Rho guanine nucleotide exchange factor (GEF) 15 [Source:Jamboree;Acc:XB-GENE-6257375]	0.7574	0.0024
ENSXETG00000024664	ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa [Source:Jamboree;Acc:XB-GENE-494089]	0.7260	0.0011
ENSXETG00000000542	ARSB	arylsulfatase B [Source:Jamboree;Acc:XB-GENE-962085]	0.4893	0.0034
ENSXETG00000028029	ASF1B	ASF1 anti-silencing function 1 homolog B [Source:Jamboree;Acc:XB-GENE-1003005]	0.7431	0.0076
ENSXETG00000023076	ASPG	asparaginase homolog [Source:Jamboree;Acc:XB-GENE-993696]	0.7296	0.0004
ENSXETG00000020547	ASXL3	additional sex combs like 3 [Source:Jamboree;Acc:XB-GENE-5858668]	0.7816	0.0227
ENSXETG00000023215	ATAD2	ATPase family, AAA domain containing 2 [Source:Jamboree;Acc:XB-GENE-995542]	0.4629	0.0054
ENSXETG00000008803	ATF5	activating transcription factor 5 [Source:Jamboree;Acc:XB-GENE-5808898]	0.6458	0.0036
ENSXETG00000008804	ATF5.2	activating transcription factor 5, gene 2 [Source:Jamboree;Acc:XB-GENE-5902427]	0.6445	0.0066
ENSXETG00000025087	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Source:Jamboree;Acc:XB-GENE-998807]	0.6679	0.0012
ENSXETG00000009695	ATP2A1	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 [Source:Jamboree;Acc:XB-GENE-975115]	0.1088	0.0008
ENSXETG00000027265	ATXN7L3	ataxin 7-like 3 [Source:Jamboree;Acc:XB-GENE-987014]	0.7722	0.0464
ENSXETG00000009097	AURKB	aurora kinase B [Source:Jamboree;Acc:XB-GENE-1019626]	0.3821	0.0000
ENSXETG00000020389	B3GALT4	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 [Source:Jamboree;Acc:XB-GENE-919694]	0.6659	0.0109
ENSXETG00000009422	B4GALNT3	beta-1,4-N-acetyl-galactosaminyl transferase 3 [Source:Jamboree;Acc:XB-GENE-6051199]	0.4836	0.0035
ENSXETG00000022659	B9D1	B9 protein domain 1 [Source:Jamboree;Acc:XB-GENE-971084]	0.6387	0.0086
ENSXETG00000011430	BANF1	barrier to autointegration factor 1 [Source:Jamboree;Acc:XB-GENE-5745250]	0.7800	0.0241
ENSXETG00000023986	BARHL2	BarH-like homeobox 2 [Source:Jamboree;Acc:XB-GENE-482777]	0.7378	0.0033
ENSXETG00000019324	BCAM	basal cell adhesion molecule (Lutheran blood group) [Source:Jamboree;Acc:XB-GENE-921467]	0.6685	0.0220
ENSXETG00000018036	BNC2	basonuclin 2 [Source:Jamboree;Acc:XB-GENE-953157]	0.7298	0.0228
ENSXETG00000012171	BOC	Boc homolog [Source:Jamboree;Acc:XB-GENE-923398]	0.4078	0.0000
ENSXETG00000013106	BRD9	bromodomain containing 9 [Source:Jamboree;Acc:XB-GENE-969470]	0.8028	0.0462
ENSXETG00000010720	BRIP1	BRCA1 interacting protein C-terminal helicase 1 [Source:Jamboree;Acc:XB-GENE-492370]	0.4465	0.0432
ENSXETG00000020567	BRMS1	breast cancer metastasis suppressor 1 [Source:Jamboree;Acc:XB-GENE-992989]	0.7874	0.0384
ENSXETG00000026594	BTG1	B-cell translocation gene 1, anti-proliferative [Source:Jamboree;Acc:XB-GENE-1002920]	0.7789	0.0285
ENSXETG00000022448	BUB1	BUB1 budding uninhibited by benzimidazoles 1 homolog [Source:Jamboree;Acc:XB-GENE-974762]	0.3989	0.0000
ENSXETG00000000287	BUB1B	budding uninhibited by benzimidazoles 1 homolog beta [Source:Jamboree;Acc:XB-GENE-1010857]	0.3137	0.0000
ENSXETG00000007394	C10ORF140	chromosome 10 open reading frame 140 [Source:Jamboree;Acc:XB-GENE-976606]	0.3770	0.0000
ENSXETG00000013102	C2ORF89	chromosome 2 open reading frame 89 [Source:Jamboree;Acc:XB-GENE-6050974]	0.3620	0.0159
ENSXETG00000024098	C4ORF21	chromosome 4 open reading frame 21 [Source:Jamboree;Acc:XB-GENE-6461443]	0.3995	0.0002
ENSXETG00000012727	C5ORF41	chromosome 5 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-988760]	0.3947	0.0000
ENSXETG00000007886	C6ORF170	chromosome 6 open reading frame 170 [Source:Jamboree;Acc:XB-GENE-5791257]	0.7808	0.0180
ENSXETG00000015814	C7ORF44	chromosome 7 open reading frame 44 [Source:Jamboree;Acc:XB-GENE-6036209]	0.4500	0.0141
ENSXETG00000020410	CACHD1	cache domain containing 1 [Source:Jamboree;Acc:XB-GENE-1010398]	0.7532	0.0050
ENSXETG00000010044	CACNG7	calcium channel, voltage-dependent, gamma subunit 7 [Source:Jamboree;Acc:XB-GENE-966233]	0.7591	0.0026
ENSXETG00000023618	CALD1	caldesmon 1 [Source:Jamboree;Acc:XB-GENE-963931]	0.7448	0.0118
ENSXETG00000003985	CAPRIN1	cell cycle associated protein 1 [Source:Jamboree;Acc:XB-GENE-942720]	0.7865	0.0394
ENSXETG00000000740	CARD9	caspase recruitment domain family, member 9 [Source:Jamboree;Acc:XB-GENE-986414]	0.5541	0.0034
ENSXETG00000015968	CASC5	cancer susceptibility candidate 5 [Source:HGNC Symbol;Acc:HGNC:24054]	0.4738	0.0251
ENSXETG00000016471	CASP7	caspase 7, apoptosis-related cysteine peptidase [Source:Jamboree;Acc:XB-GENE-484041]	0.4394	0.0013
ENSXETG00000004944	CBR4	carbonyl reductase 4 [Source:Jamboree;Acc:XB-GENE-5935857]	0.7650	0.0497
ENSXETG00000001656	CBWD2	COBW domain containing 2 [Source:Jamboree;Acc:XB-GENE-5850900]	0.6548	0.0231
ENSXETG00000021962	CBX1	chromobox homolog 1 [Source:Jamboree;Acc:XB-GENE-1005974]	0.7787	0.0152
ENSXETG00000003005	CBX2	chromobox homolog 2 [Source:Jamboree;Acc:XB-GENE-970247]	0.6901	0.0013
ENSXETG00000007073	CCDC82	coiled-coil domain containing 82 [Source:Jamboree;Acc:XB-GENE-1003213]	0.7123	0.0277
ENSXETG00000015797	CCDC88C	coiled-coil domain containing 88C [Source:Jamboree;Acc:XB-GENE-1033686]	0.5488	0.0000
ENSXETG00000001016	CCNA2	cyclin A2 [Source:Jamboree;Acc:XB-GENE-923016]	0.3373	0.0000
ENSXETG00000022597	CCNB3	cyclin B3 [Source:Jamboree;Acc:XB-GENE-920213]	0.2575	0.0000
ENSXETG00000006402	CCNG2	cyclin G2 [Source:Jamboree;Acc:XB-GENE-920883]	0.7414	0.0195
ENSXETG00000010077	CCT6A	chaperonin containing TCP1, subunit 6A (zeta 1) [Source:Jamboree;Acc:XB-GENE-987462]	0.7734	0.0192
ENSXETG00000022237	CD82	CD82 molecule [Source:Jamboree;Acc:XB-GENE-945242]	0.5497	0.0000
ENSXETG00000020610	CD97	CD97 molecule [Source:Jamboree;Acc:XB-GENE-952950]	0.7603	0.0097
ENSXETG00000013234	CDC14A	CDC14 cell division cycle 14 homolog A [Source:Jamboree;Acc:XB-GENE-960625]	0.7058	0.0013
ENSXETG00000000595	CDC37L1	cell division cycle 37 homolog-like 1 [Source:Jamboree;Acc:XB-GENE-984706]	0.7214	0.0200
ENSXETG00000023094	CDCA5	cell division cycle associated 5 [Source:Jamboree;Acc:XB-GENE-5908127]	0.5436	0.0005
ENSXETG00000002167	CDCA8	cell division cycle associated 8 [Source:Jamboree;Acc:XB-GENE-946929]	0.3506	0.0005
ENSXETG00000026460	CDH26	cadherin 26 [Source:Jamboree;Acc:XB-GENE-996979]	0.7911	0.0081
ENSXETG00000003123	CDK1	cyclin-dependent kinase 1 [Source:Jamboree;Acc:XB-GENE-482750]	0.3197	0.0000
ENSXETG00000000185	CDK10	cyclin-dependent kinase 10 [Source:Jamboree;Acc:XB-GENE-5727031]	0.7878	0.0271
ENSXETG00000018739	CDO1	cysteine dioxygenase, type I [Source:Jamboree;Acc:XB-GENE-998513]	0.6529	0.0014
ENSXETG00000021319	CENPE	centromere protein E, 312kDa [Source:Jamboree;Acc:XB-GENE-952286]	0.4593	0.0000
ENSXETG00000023124	CENPF	centromere protein F, 350/400kDa (mitosin) [Source:Jamboree;Acc:XB-GENE-1002205]	0.5997	0.0054
ENSXETG00000008781	CEP152	centrosomal protein 152kDa [Source:Jamboree;Acc:XB-GENE-988609]	0.5911	0.0279
ENSXETG00000013014	CHAF1B	chromatin assembly factor 1, subunit B (p60) [Source:Jamboree;Acc:XB-GENE-996578]	0.2889	0.0000
ENSXETG00000008733	CIB3	calcium and integrin binding family member 3 [Source:Jamboree;Acc:XB-GENE-5787572]	0.6560	0.0228
ENSXETG00000000078	CISH	cytokine inducible SH2-containing protein [Source:Jamboree;Acc:XB-GENE-490099]	0.4851	0.0061

ENSXETG00000019718	CITED4	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 [Source:Jamboree;Acc:XB-GENE-946639]	0.7220	0.0466
ENSXETG00000020708	CKAP2	cytoskeleton associated protein 2 [Source:Jamboree;Acc:XB-GENE-1004436]	0.3596	0.0000
ENSXETG00000015421	CKS1B	CDC28 protein kinase regulatory subunit 1B [Source:Jamboree;Acc:XB-GENE-921479]	0.2995	0.0001
ENSXETG00000010623	CLK3	CDC-like kinase 3 [Source:Jamboree;Acc:XB-GENE-5861130]	0.6315	0.0001
ENSXETG00000001242	CLMP	CXADR-like membrane protein [Source:Jamboree;Acc:XB-GENE-973667]	0.6474	0.0000
ENSXETG00000018919	CNN3	calponin 3, acidic [Source:Jamboree;Acc:XB-GENE-951266]	0.7095	0.0003
ENSXETG00000013497	CNPY1	canopy 1 homolog [Source:Jamboree;Acc:XB-GENE-981809]	0.6423	0.0000
ENSXETG00000005761	COL14A1	collagen, type XIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-990916]	0.6384	0.0022
ENSXETG00000022341	COL5A1	collagen, type V, alpha 1 [Source:Jamboree;Acc:XB-GENE-5954567]	0.7679	0.0096
ENSXETG00000011887	CSF1R	colony stimulating factor 1 receptor [Source:Jamboree;Acc:XB-GENE-6257851]	0.7011	0.0310
ENSXETG00000009646	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2 [Source:Jamboree;Acc:XB-GENE-951111]	0.7529	0.0050
ENSXETG00000022392	CTSO	cathepsin O [Source:Jamboree;Acc:XB-GENE-983441]	0.7205	0.0319
ENSXETG00000014207	CUEDC2	CUE domain containing 2 [Source:Jamboree;Acc:XB-GENE-1015746]	0.6758	0.0007
ENSXETG00000003744	CUTC	cutC copper transporter homolog [Source:Jamboree;Acc:XB-GENE-1005045]	0.6773	0.0035
ENSXETG00000014890	CXCR4	chemokine (C-X-C motif) receptor 4 [Source:Jamboree;Acc:XB-GENE-489917]	0.7546	0.0106
ENSXETG00000021546	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-991500]	0.5215	0.0000
ENSXETG00000024577	CYTH2	cytohesin 2 [Source:Jamboree;Acc:XB-GENE-5834088]	0.6867	0.0005
ENSXETG00000012355	DACH1	dachshund homolog 1 [Source:Jamboree;Acc:XB-GENE-980849]	0.6809	0.0075
ENSXETG00000014193	DBX1	developing brain homeobox 1 [Source:Jamboree;Acc:XB-GENE-480177]	0.2813	0.0000
ENSXETG00000023649	DCK.1	deoxycytidine kinase, gene 1 [Source:Jamboree;Acc:XB-GENE-956567]	0.5759	0.0485
ENSXETG00000018331	DCK.2	deoxycytidine kinase, gene 2 [Source:Jamboree;Acc:XB-GENE-5727742]	0.3837	0.0000
ENSXETG00000013186	DCLRE1B	DNA cross-link repair 1B [Source:Jamboree;Acc:XB-GENE-981156]	0.7137	0.0252
ENSXETG00000012418	DCX	doublecortin [Source:Jamboree;Acc:XB-GENE-992092]	0.6594	0.0493
ENSXETG00000024086	DDR1	discoidin domain receptor tyrosine kinase 1 [Source:Jamboree;Acc:XB-GENE-485346]	0.5851	0.0000
ENSXETG00000020607	DDX39A	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A [Source:Jamboree;Acc:XB-GENE-966447]	0.7530	0.0091
ENSXETG00000002498	DDX39B	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B [Source:Jamboree;Acc:XB-GENE-478336]	0.7522	0.0078
ENSXETG00000011767	DDX43	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 [Source:Jamboree;Acc:XB-GENE-988016]	0.4023	0.0059
ENSXETG00000012376	DEPDC1	DEP domain containing 1 [Source:Jamboree;Acc:XB-GENE-1016421]	0.2537	0.0000
ENSXETG00000006073	DEPDC1B	DEP domain containing 1B [Source:Jamboree;Acc:XB-GENE-991208]	0.3107	0.0003
ENSXETG00000002036	DHRS11	dehydrogenase/reductase (SDR family) member 11 [Source:Jamboree;Acc:XB-GENE-6048420]	0.6838	0.0000
ENSXETG00000012389	DIRAS3	DIRAS family, GTP-binding RAS-like 3 [Source:Jamboree;Acc:XB-GENE-978992]	0.6829	0.0011
ENSXETG00000002875	DLC	putative ortholog of delta-like protein C precursor (SwissPro) [Source:Jamboree;Acc:XB-GENE-968497]	0.2845	0.0000
ENSXETG00000015731	DLGAP5	discs, large homolog-associated protein 5 [Source:Jamboree;Acc:XB-GENE-481549]	0.3330	0.0000
ENSXETG00000022525	DLL1	delta-like 1 [Source:Jamboree;Acc:XB-GENE-479210]	0.5399	0.0000
ENSXETG00000007481	DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9 [Source:Jamboree;Acc:XB-GENE-1012221]	0.7505	0.0389
ENSXETG00000025076	DNASE2B	deoxyribonuclease II beta [Source:Jamboree;Acc:XB-GENE-980313]	0.7646	0.0235
ENSXETG00000003739	DNMBP	dynamin binding protein [Source:Jamboree;Acc:XB-GENE-967684]	0.6778	0.0134
ENSXETG00000022035	DNMT1	DNA (cytosine-5-)-methyltransferase 1 [Source:Jamboree;Acc:XB-GENE-965562]	0.7612	0.0187
ENSXETG00000012718	DPYSL3	dihydropyrimidinase-like 3 [Source:Jamboree;Acc:XB-GENE-944729]	0.7876	0.0311
ENSXETG00000023585	DPYSL4	dihydropyrimidinase-like 4 [Source:Jamboree;Acc:XB-GENE-960292]	0.7909	0.0313
ENSXETG00000000902	DSTYK	dual serine/threonine and tyrosine protein kinase [Source:Jamboree;Acc:XB-GENE-971397]	0.7671	0.0450
ENSXETG00000015432	DTNBP1	dystrobrevin binding protein 1 [Source:Jamboree;Acc:XB-GENE-5812147]	0.7633	0.0013
ENSXETG00000011970	DTX4	deltex homolog 4 [Source:Jamboree;Acc:XB-GENE-996046]	0.5783	0.0000
ENSXETG00000008156	DUSP4	dual specificity phosphatase 4 [Source:Jamboree;Acc:XB-GENE-1007215]	0.7159	0.0037
ENSXETG00000014320	E2F7	E2F transcription factor 7 [Source:Jamboree;Acc:XB-GENE-1018445]	0.2477	0.0058
ENSXETG00000004436	E2F8	E2F transcription factor 8 [Source:Jamboree;Acc:XB-GENE-1219148]	0.4739	0.0107
ENSXETG00000010153	EBF2	early B-cell factor 2 [Source:Jamboree;Acc:XB-GENE-971136]	0.6522	0.0000
ENSXETG00000011309	EBF3	early B-cell factor 3 [Source:Jamboree;Acc:XB-GENE-962543]	0.7176	0.0001
ENSXETG00000023596	ECT2	epithelial cell transforming sequence 2 oncogene [Source:Jamboree;Acc:XB-GENE-998093]	0.4367	0.0012
ENSXETG00000001182	EEF1A1	eukaryotic translation elongation factor 1 alpha 1 [Source:Jamboree;Acc:XB-GENE-480094]	0.7408	0.0017
ENSXETG00000022604	EEF1A1O	eukaryotic translation elongation factor 1 alpha 1, oocyte form [Source:Jamboree;Acc:XB-GENE-1218983]	0.3715	0.0001
ENSXETG00000010098	EEF1B2	eukaryotic translation elongation factor 1 beta 2 [Source:Jamboree;Acc:XB-GENE-966955]	0.7779	0.0380
ENSXETG00000004674	EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) [Source:Jamboree;Acc:XB-GENE-958968]	0.7938	0.0173
ENSXETG00000006391	EEF2.1	eukaryotic translation elongation factor 2, gene 1 [Source:Jamboree;Acc:XB-GENE-969739]	0.7646	0.0342
ENSXETG00000003278	EFNA2	ephrin-A2 [Source:Jamboree;Acc:XB-GENE-488616]	0.6731	0.0000
ENSXETG00000002600	EGLN2	egl nine homolog 2 [Source:Jamboree;Acc:XB-GENE-961781]	0.5123	0.0000
ENSXETG00000010241	EIF3A	eukaryotic translation initiation factor 3, subunit A [Source:Jamboree;Acc:XB-GENE-994394]	0.8019	0.0387
ENSXETG00000020593	EIF3B	eukaryotic translation initiation factor 3, subunit B [Source:Jamboree;Acc:XB-GENE-963850]	0.7398	0.0155
ENSXETG00000003602	EIF3E	eukaryotic translation initiation factor 3, subunit E [Source:Jamboree;Acc:XB-GENE-946246]	0.7134	0.0052
ENSXETG00000007407	EIF3H	eukaryotic translation initiation factor 3, subunit H [Source:Jamboree;Acc:XB-GENE-958115]	0.7817	0.0300
ENSXETG00000005247	EIF3I	eukaryotic translation initiation factor 3, subunit I [Source:Jamboree;Acc:XB-GENE-974377]	0.7993	0.0473
ENSXETG00000008167	EIF3M	eukaryotic translation initiation factor 3, subunit M [Source:Jamboree;Acc:XB-GENE-968605]	0.7053	0.0003
ENSXETG00000001829	EIF4B	eukaryotic translation initiation factor 4B [Source:Jamboree;Acc:XB-GENE-988676]	0.8063	0.0449
ENSXETG00000016741	ELAVL3	ELAV (embryonic lethal, abnormal vision)-like 3 (Hu antigen C) [Source:Jamboree;Acc:XB-GENE-490864]	0.7464	0.0445
ENSXETG00000013823	ELMO3	engulfment and cell motility 3 [Source:HGNC Symbol;Acc:HGNC:17289]	0.7662	0.0428
ENSXETG00000012783	EMP2	epithelial membrane protein 2 [Source:Jamboree;Acc:XB-GENE-957163]	0.5074	0.0005
ENSXETG00000013496	EN2	engrailed homeobox 2 [Source:Jamboree;Acc:XB-GENE-853108]	0.6254	0.0000
ENSXETG00000006439	ENC1.2	ectodermal-neural cortex (with BTB-like domain), gene 2 [Source:Jamboree;Acc:XB-GENE-5914613]	0.7124	0.0001
ENSXETG00000001534	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6 [Source:Jamboree;Acc:XB-GENE-977063]	0.5521	0.0343
ENSXETG00000014407	EPB41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked) [Source:Jamboree;Acc:XB-GENE-481625]	0.6531	0.0000
ENSXETG00000019727	EPX	eosinophil peroxidase [Source:Jamboree;Acc:XB-GENE-6039946]	0.1877	0.0025
ENSXETG00000022574	ERCC6L	excision repair cross-complementing rodent repair deficiency, complementation group 6-like [Source:Jamboree;Acc:XB-GENE-988849]	0.3685	0.0319
ENSXETG00000020442	ESCO2	establishment of cohesion 1 homolog 2 (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5955289]	0.3734	0.0003
ENSXETG00000015425	ESD	esterase D [Source:Jamboree;Acc:XB-GENE-952572]	0.6713	0.0014
ENSXETG00000025522	ESR10	enhancer of split related 10 [Source:Jamboree;Acc:XB-GENE-6492485]	0.4952	0.0006
ENSXETG00000007572	EVX2	even-skipped homeobox 2 [Source:Jamboree;Acc:XB-GENE-852923]	0.6201	0.0262
ENSXETG00000018180	EXOC6	exocyst complex component 6 [Source:Jamboree;Acc:XB-GENE-1013433]	0.7750	0.0433
ENSXETG00000021118	EXOSC9	exosome component 9 [Source:Jamboree;Acc:XB-GENE-992913]	0.7341	0.0414
ENSXETG00000023297	FABP7	fatty acid binding protein 7, brain [Source:Jamboree;Acc:XB-GENE-967704]	0.5774	0.0000
ENSXETG00000018162	FAM151B	family with sequence similarity 151, member B [Source:Jamboree;Acc:XB-GENE-5954319]	0.5744	0.0428
ENSXETG00000011390	FAM36A	family with sequence similarity 36, member A [Source:Jamboree;Acc:XB-GENE-6041252]	0.8038	0.0415
ENSXETG00000011253	FAM38A	family with sequence similarity 38, member A [Source:Jamboree;Acc:XB-GENE-6050252]	0.6926	0.0260
ENSXETG00000003878	FAM53A	family with sequence similarity 53, member A [Source:Jamboree;Acc:XB-GENE-920487]	0.7455	0.0388
ENSXETG00000017718	FAM54A	family with sequence similarity 54, member A [Source:Jamboree;Acc:XB-GENE-987506]	0.5102	0.0072
ENSXETG00000002679	FAM60A	family with sequence similarity 60, member A [Source:Jamboree;Acc:XB-GENE-995755]	0.3533	0.0000
ENSXETG00000026473	FAM64A	family with sequence similarity 64, member A [Source:Jamboree;Acc:XB-GENE-983497]	0.2933	0.0000
ENSXETG00000012144	FAM83D	family with sequence similarity 83, member D [Source:Jamboree;Acc:XB-GENE-964363]	0.5935	0.0390
ENSXETG00000007231	FGFR4	fibroblast growth factor receptor 4 [Source:Jamboree;Acc:XB-GENE-478699]	0.4601	0.0000
ENSXETG00000003608	FILIP1	filamin A interacting protein 1 [Source:Jamboree;Acc:XB-GENE-1003881]	0.5053	0.0001
ENSXETG00000024642	FJX1	four jointed box 1 [Source:Jamboree;Acc:XB-GENE-921364]	0.7465	0.0387
ENSXETG00000001644	FKBP4	FK506 binding protein 4, 59kDa [Source:Jamboree;Acc:XB-GENE-948088]	0.7577	0.0136
ENSXETG00000025867	FOXA1	forkhead box A1 [Source:Jamboree;Acc:XB-GENE-487352]	0.4874	0.0148
ENSXETG00000026998	FOXA2	forkhead box A2 [Source:Jamboree;Acc:XB-GENE-480476]	0.5138	0.0017
ENSXETG00000022803	FOXK2	forkhead box K2 [Source:Jamboree;Acc:XB-GENE-483520]	0.7198	0.0005
ENSXETG00000001315	FOXM1	forkhead box M1 [Source:Jamboree;Acc:XB-GENE-854081]	0.4070	0.0009
ENSXETG00000011856	FOXP4	forkhead box P4 [Source:Jamboree;Acc:XB-GENE-982692]	0.6334	0.0000
ENSXETG00000017502	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase) [Source:Jamboree;Acc:XB-GENE-976919]	0.5628	0.0024
ENSXETG00000002931	FZD10	frizzled family receptor 10 [Source:Jamboree;Acc:XB-GENE-480379]	0.5483	0.0000
ENSXETG00000008840	FZD2	frizzled family receptor 2 [Source:Jamboree;Acc:XB-GENE-487022]	0.6236	0.0041
ENSXETG00000009022	GALM	galactose mutarotase (aldose 1-epimerase) [Source:Jamboree;Acc:XB-GENE-1001023]	0.8106	0.0268
ENSXETG00000025398	GATA3	GATA binding protein 3 [Source:Jamboree;Acc:XB-GENE-485930]	0.7594	0.0215
ENSXETG00000015966	GCAT	glycine C-acetyltransferase [Source:Jamboree;Acc:XB-GENE-984769]	0.7534	0.0371

ENSXETG00000010875	GCOM1	GRINL1A complex locus [Source:Jamboree;Acc:XB-GENE-5886632]	0.6033	0.0003
ENSXETG00000010131	GDF1	growth differentiation factor 1 [Source:Jamboree;Acc:XB-GENE-481419]	0.5932	0.0096
ENSXETG00000014248	GH1	growth hormone 1 [Source:Jamboree;Acc:XB-GENE-487882]	0.5779	0.0426
ENSXETG00000003391	GJC1	gap junction protein, gamma 1, 45kDa [Source:Jamboree;Acc:XB-GENE-491089]	0.4067	0.0089
ENSXETG00000017144	GLI1.1	GLI family zinc finger 1, gene 1 [Source:Jamboree;Acc:XB-GENE-482644]	0.5434	0.0201
ENSXETG00000001856	GLI3	GLI family zinc finger 3 [Source:Jamboree;Acc:XB-GENE-484855]	0.6800	0.0035
ENSXETG00000023455	GLIPR2	GLI pathogenesis-related 2 [Source:Jamboree;Acc:XB-GENE-5758336]	0.7094	0.0195
ENSXETG00000002782	GLTSCR2	glioma tumor suppressor candidate region gene 2 [Source:Jamboree;Acc:XB-GENE-853827]	0.8073	0.0417
ENSXETG00000014814	GMNN	geminin, DNA replication inhibitor [Source:Jamboree;Acc:XB-GENE-966994]	0.5234	0.0046
ENSXETG00000005954	GMPPB	GDP-mannose pyrophosphorylase B [Source:Jamboree;Acc:XB-GENE-922650]	0.7145	0.0350
ENSXETG00000002161	GNL2	guanine nucleotide binding protein-like 2 (nucleolar) [Source:Jamboree;Acc:XB-GENE-946916]	0.7003	0.0007
ENSXETG00000005400	GPC4	glypican 4 [Source:Jamboree;Acc:XB-GENE-976427]	0.7825	0.0279
ENSXETG00000002410	GPR161	G protein-coupled receptor 161 [Source:Jamboree;Acc:XB-GENE-1003408]	0.5185	0.0000
ENSXETG00000019628	GPR98	G protein-coupled receptor 98 [Source:Jamboree;Acc:XB-GENE-1010012]	0.6418	0.0002
ENSXETG00000003895	GPT	glutamic-pyruvate transaminase (alanine aminotransferase) [Source:Jamboree;Acc:XB-GENE-998352]	0.6771	0.0006
ENSXETG00000026602	GSTO2	glutathione S-transferase omega 2 [Source:Jamboree;Acc:XB-GENE-967227]	0.7012	0.0008
ENSXETG00000011784	GSX1	GS homeobox 1 [Source:Jamboree;Acc:XB-GENE-855502]	0.6758	0.0461
ENSXETG00000015376	GUCA1A	guanylate cyclase activator 1A (retina) [Source:Jamboree;Acc:XB-GENE-5751697]	0.6332	0.0245
ENSXETG00000001541	GUCA1B	guanylate cyclase activator 1B (retina) [Source:HGNC Symbol;Acc:HGNC:4679]	0.6102	0.0001
ENSXETG00000024745	H1FX	H1 histone family, member X [Source:Jamboree;Acc:XB-GENE-5928644]	0.6671	0.0005
ENSXETG00000017150	H2AFY2	H2A histone family, member Y2 [Source:Jamboree;Acc:XB-GENE-1015564]	0.7700	0.0127
ENSXETG00000014841	HABP4	hyaluronan binding protein 4 [Source:Jamboree;Acc:XB-GENE-490018]	0.5076	0.0027
ENSXETG00000012489	HAP1	huntingtin-associated protein 1 [Source:Jamboree;Acc:XB-GENE-493040]	0.6179	0.0003
ENSXETG00000024626	HBD	hemoglobin, delta [Source:Jamboree;Acc:XB-GENE-5844531]	0.4678	0.0000
ENSXETG00000010661	HDAC7	histone deacetylase 7 [Source:Jamboree;Acc:XB-GENE-488662]	0.6517	0.0000
ENSXETG00000011668	HECA	headcase homolog [Source:Jamboree;Acc:XB-GENE-492753]	0.7110	0.0014
ENSXETG00000011110	HES3.3	hairy and enhancer of split 3, gene 3 [Source:Jamboree;Acc:XB-GENE-480450]	0.4423	0.0008
ENSXETG00000012081	HES5.1	hairy and enhancer of split 5, gene 1 [Source:Jamboree;Acc:XB-GENE-481135]	0.4051	0.0000
ENSXETG00000012080	HES5.2	hairy and enhancer of split 5, gene 2 [Source:Jamboree;Acc:XB-GENE-876635]	0.6779	0.0040
ENSXETG00000022245	HES9.1	hairy and enhancer of split 9, gene 1 [Source:Jamboree;Acc:XB-GENE-5922592]	0.4226	0.0000
ENSXETG00000016916	HMGB2	high mobility group box 2 [Source:Jamboree;Acc:XB-GENE-1000246]	0.5555	0.0047
ENSXETG00000025097	HMGN1	high mobility group nucleosome binding domain 1 [Source:Jamboree;Acc:XB-GENE-5782073]	0.7859	0.0424
ENSXETG00000012323	HMGN2	high mobility group nucleosomal binding domain 2 [Source:Jamboree;Acc:XB-GENE-1015271]	0.7601	0.0046
ENSXETG00000025850	HMGN3	high mobility group nucleosomal binding domain 3 [Source:Jamboree;Acc:XB-GENE-482143]	0.7055	0.0067
ENSXETG00000007906	HMMR	hyaluronan-mediated motility receptor (RHAMM) [Source:Jamboree;Acc:XB-GENE-5851601]	0.2707	0.0000
ENSXETG00000021277	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1 [Source:Jamboree;Acc:XB-GENE-493963]	0.7667	0.0037
ENSXETG00000012170	HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1 [Source:Jamboree;Acc:XB-GENE-490993]	0.7801	0.0064
ENSXETG00000001777	HNRNPM	heterogeneous nuclear ribonucleoprotein M [Source:Jamboree;Acc:XB-GENE-993962]	0.8043	0.0279
ENSXETG00000000717	HOXA3	homeobox A3 [Source:Jamboree;Acc:XB-GENE-482267]	0.5215	0.0158
ENSXETG00000027350	HOXB9	homeobox B9 [Source:Jamboree;Acc:XB-GENE-963094]	0.0000	0.0216
ENSXETG00000009487	HP1BP3	heterochromatin protein 1, binding protein 3 [Source:Jamboree;Acc:XB-GENE-997427]	0.7353	0.0035
ENSXETG00000019215	HPGDS	hematopoietic prostaglandin D synthase [Source:Jamboree;Acc:XB-GENE-944778]	0.5965	0.0001
ENSXETG00000007214	HS3ST6	heparan sulfate (glucosamine) 3-O-sulfotransferase 6 [Source:Jamboree;Acc:XB-GENE-966707]	0.5499	0.0053
ENSXETG00000007330	HYAL2	hyaluronoglucosaminidase 2 [Source:Jamboree;Acc:XB-GENE-5799791]	0.7248	0.0377
ENSXETG00000007396	IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-483018]	0.3616	0.0000
ENSXETG00000014721	IGFBPL1	insulin-like growth factor binding protein-like 1 [Source:Jamboree;Acc:XB-GENE-484137]	0.7194	0.0007
ENSXETG00000004981	IL1R2	interleukin 1 receptor, type 2 [Source:Jamboree;Acc:XB-GENE-481459]	0.4628	0.0121
ENSXETG00000006735	INCENP	inner centromere protein antigens 135/155kDa [Source:Jamboree;Acc:XB-GENE-990398]	0.4637	0.0000
ENSXETG00000009686	INSM1	insulinoma-associated 1 [Source:Jamboree;Acc:XB-GENE-993149]	0.7047	0.0003
ENSXETG00000006958	IRX1	iroquois homeobox 1 [Source:Jamboree;Acc:XB-GENE-486817]	0.6799	0.0003
ENSXETG00000012653	IRX2	iroquois homeobox 2 [Source:Jamboree;Acc:XB-GENE-480618]	0.7622	0.0214
ENSXETG00000005818	IRX3	iroquois homeobox 3 [Source:Jamboree;Acc:XB-GENE-480486]	0.6465	0.0005
ENSXETG00000002816	IRX5	iroquois homeobox 5 [Source:Jamboree;Acc:XB-GENE-484376]	0.6486	0.0002
ENSXETG00000015433	JARID2	jumonji, AT rich interactive domain 2 [Source:Jamboree;Acc:XB-GENE-982166]	0.5979	0.0000
ENSXETG00000003569	KARS	lysyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-943468]	0.7635	0.0195
ENSXETG00000021908	KAT7	K(lysine) acetyltransferase 7 [Source:Jamboree;Acc:XB-GENE-488776]	0.7837	0.0114
ENSXETG00000016053	KCTD17	potassium channel tetramerisation domain containing 17 [Source:Jamboree;Acc:XB-GENE-6035411]	0.6976	0.0088
ENSXETG00000017975	KDM3A	lysine (K)-specific demethylase 3A [Source:Jamboree;Acc:XB-GENE-1012801]	0.6128	0.0000
ENSXETG00000007973	KDM5B	lysine (K)-specific demethylase 5B [Source:Jamboree;Acc:XB-GENE-856240]	0.7792	0.0097
ENSXETG00000005246	KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1 [Source:Jamboree;Acc:XB-GENE-479347]	0.8015	0.0244
ENSXETG00000001833	KIAA0922	KIAA0922 [Source:Jamboree;Acc:XB-GENE-983404]	0.7674	0.0083
ENSXETG00000015484	KIAA1797	KIAA1797 [Source:Jamboree;Acc:XB-GENE-6038577]	0.6580	0.0000
ENSXETG00000012213	KIF11	kinesin family member 11 [Source:Jamboree;Acc:XB-GENE-978999]	0.4064	0.0017
ENSXETG00000008497	KIF15	kinesin family member 15 [Source:Jamboree;Acc:XB-GENE-1005654]	0.5220	0.0002
ENSXETG00000006721	KIF20A	kinesin family member 20A [Source:Jamboree;Acc:XB-GENE-967269]	0.3523	0.0000
ENSXETG00000017099	KIF21B	kinesin family member 21B [Source:Jamboree;Acc:XB-GENE-981200]	0.7942	0.0430
ENSXETG00000004673	KIF22	kinesin family member 22 [Source:Jamboree;Acc:XB-GENE-979888]	0.4775	0.0004
ENSXETG00000007829	KIF23	kinesin family member 23 [Source:Jamboree;Acc:XB-GENE-999865]	0.3430	0.0000
ENSXETG00000000992	KLF15.2	Kruppel-like factor 15, gene 2 [Source:Jamboree;Acc:XB-GENE-1018580]	0.5099	0.0391
ENSXETG00000007622	KLHL25	kelch-like 25 [Source:Jamboree;Acc:XB-GENE-964636]	0.5414	0.0001
ENSXETG00000015058	KLHL35	kelch-like 35 [Source:Jamboree;Acc:XB-GENE-1009038]	0.7099	0.0015
ENSXETG00000007799	KNTC1	kinetochore associated 1 [Source:Jamboree;Acc:XB-GENE-1011946]	0.4491	0.0014
ENSXETG00000001594	KPNA2	karyopherin alpha-2 subunit like [Source:Jamboree;Acc:XB-GENE-979796]	0.6739	0.0031
ENSXETG00000025345	KRT12	keratin family [Source:RefSeq peptide;Acc:NP_001016659]	0.0781	0.0175
ENSXETG00000004956	LAMA1	laminin, alpha 1 [Source:Jamboree;Acc:XB-GENE-968308]	0.6223	0.0076
ENSXETG00000025995	LCOR	ligand dependent nuclear receptor corepressor isoform 1 [Source:RefSeq peptide;Acc:NP_001182625]	0.7117	0.0024
ENSXETG00000014954	LCP1	lymphocyte cytosolic protein 1 (L-plastin) [Source:Jamboree;Acc:XB-GENE-962206]	0.6204	0.0295
ENSXETG00000000546	LHFPL2	lipoma HMGIC fusion partner-like 2 [Source:Jamboree;Acc:XB-GENE-958342]	0.7430	0.0404
ENSXETG00000008963	LHX1	LIM homeobox 1 [Source:Jamboree;Acc:XB-GENE-482482]	0.7281	0.0013
ENSXETG00000020776	LHX2	LIM homeobox 2 [Source:Jamboree;Acc:XB-GENE-490331]	0.7350	0.0030
ENSXETG00000017665	LHX5	LIM homeobox 5 [Source:Jamboree;Acc:XB-GENE-490400]	0.7830	0.0441
ENSXETG00000009957	LHX9	LIM homeobox 9 [Source:Jamboree;Acc:XB-GENE-492044]	0.7699	0.0038
ENSXETG00000014034	LIX1L	Lix1 homolog-like [Source:Jamboree;Acc:XB-GENE-6040737]	0.7850	0.0153
ENSXETG00000013512	LMBR1	limb region 1 homolog [Source:Jamboree;Acc:XB-GENE-981846]	0.6861	0.0002
ENSXETG00000005162	LMNB1	lamin B1 [Source:Jamboree;Acc:XB-GENE-489658]	0.4716	0.0000
ENSXETG00000016168	LMOD3	leiomodin 3 (fetal) [Source:Jamboree;Acc:XB-GENE-5737414]	0.5436	0.0000
ENSXETG00000013183	LMX1A	LIM homeobox transcription factor 1, alpha [Source:Jamboree;Acc:XB-GENE-481569]	0.5690	0.0137
ENSXETG00000000641	LMX1B.2	LIM homeobox transcription factor 1, beta, gene 2 [Source:Jamboree;Acc:XB-GENE-920041]	0.5639	0.0018
ENSXETG00000021653	LPPR3	lipid phosphate phosphatase-related protein type 3 [Source:Jamboree;Acc:XB-GENE-990099]	0.7738	0.0089
ENSXETG00000024115	LRIT3	leucine-rich repeat, immunoglobulin-like and transmembrane domains 3 [Source:Jamboree;Acc:XB-GENE-6076513]	0.4750	0.0007
ENSXETG00000020342	LRRC49	leucine rich repeat containing 49 [Source:Jamboree;Acc:XB-GENE-1011788]	0.7975	0.0340
ENSXETG00000015544	LRRK2	leucine-rich repeat kinase 2 [Source:Jamboree;Acc:XB-GENE-5768572]	0.7127	0.0420
ENSXETG00000005147	LRRN1	leucine rich repeat neuronal 1 [Source:Jamboree;Acc:XB-GENE-492890]	0.7991	0.0484
ENSXETG00000006020	LRRN4CL	LRRN4 C-terminal like [Source:Jamboree;Acc:XB-GENE-5723339]	0.7772	0.0241
ENSXETG00000016967	LTBP4	latent transforming growth factor beta binding protein 4 [Source:Jamboree;Acc:XB-GENE-992148]	0.3448	0.0000
ENSXETG00000008101	LYPLA1	lysophospholipase I [Source:Jamboree;Acc:XB-GENE-942736]	0.7490	0.0231
ENSXETG00000015201	LZTS2	leucine zipper, putative tumor suppressor 2 [Source:Jamboree;Acc:XB-GENE-1216151]	0.6610	0.0389
ENSXETG00000002100	MAD2L1	MAD2 mitotic arrest deficient-like 1 [Source:Jamboree;Acc:XB-GENE-947153]	0.3702	0.0005
ENSXETG00000002479	MAP7	microtubule-associated protein 7 [Source:Jamboree;Acc:XB-GENE-961210]	0.7413	0.0012
ENSXETG00000003240	MAPT	microtubule-associated protein tau [Source:Jamboree;Acc:XB-GENE-986948]	0.7288	0.0006
ENSXETG00000027751	MARCKS	myristoylated alanine-rich protein kinase C substrate [Source:Jamboree;Acc:XB-GENE-6258237]	0.8016	0.0290
ENSXETG00000019757	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) [Source:Jamboree;Acc:XB-GENE-984453]	0.5508	0.0000
ENSXETG00000020538	MCM3	minichromosome maintenance complex component 3 [Source:Jamboree;Acc:XB-GENE-5857845]	0.6265	0.0456
ENSXETG00000004854	MCM4	minichromosome maintenance complex component 4 [Source:Jamboree;Acc:XB-GENE-1011481]	0.5079	0.0005
ENSXETG00000014891	MCM6.2	minichromosome maintenance complex component 6 [Source:Jamboree;Acc:XB-GENE-962678]	0.6364	0.0048

ENSXETG00000001967	MDK	midkine (neurite growth-promoting factor 2) [Source:Jamboree;Acc:XB-GENE-488502]	0.6769	0.0000
ENSXETG00000002807	MEIS3	Meis homeobox 3 [Source:Jamboree;Acc:XB-GENE-485337]	0.7031	0.0071
ENSXETG00000006551	MELK	maternal embryonic leucine zipper kinase [Source:Jamboree;Acc:XB-GENE-987654]	0.4963	0.0072
ENSXETG00000008433	MEN1	multiple endocrine neoplasia I [Source:Jamboree;Acc:XB-GENE-920855]	0.7711	0.0171
ENSXETG00000012806	METTL18	methyltransferase like 18 [Source:Jamboree;Acc:XB-GENE-5811219]	0.5653	0.0159
ENSXETG00000008690	METTL22	methyltransferase like 22 [Source:Jamboree;Acc:XB-GENE-5960602]	0.6532	0.0476
ENSXETG00000022367	MEX3C	mex-3 homolog C [Source:Jamboree;Acc:XB-GENE-492459]	0.7683	0.0457
ENSXETG00000008016	MFSD10	major facilitator superfamily domain containing 10 [Source:Jamboree;Acc:XB-GENE-958779]	0.5414	0.0012
ENSXETG00000025213	MGP	matrix Gla protein [Source:Jamboree;Acc:XB-GENE-1003218]	0.0616	0.0000
ENSXETG00000008703	MMP9	matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) [Source:Jamboree;Acc:XB-GENE-876295]	0.1927	0.0063
ENSXETG00000002258	MN1	meningioma (disrupted in balanced translocation) 1 [Source:Jamboree;Acc:XB-GENE-855611]	0.7072	0.0313
ENSXETG00000001312	MRPS35	mitochondrial ribosomal protein S35 [Source:Jamboree;Acc:XB-GENE-1017075]	0.7770	0.0404
ENSXETG00000012216	MSI1	musashi homolog 1 [Source:Jamboree;Acc:XB-GENE-490596]	0.6782	0.0000
ENSXETG00000012094	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:Jamboree;Acc:XB-GENE-941965]	0.5204	0.0000
ENSXETG00000010956	MYCL1	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived [Source:Jamboree;Acc:XB-GENE-6453835]	0.5827	0.0000
ENSXETG00000003682	MYL3	myosin, light chain 3, alkali; ventricular, skeletal, slow [Source:Jamboree;Acc:XB-GENE-946570]	0.2698	0.0054
ENSXETG00000010446	MYOC	myocilin, trabecular meshwork inducible glucocorticoid response [Source:Jamboree;Acc:XB-GENE-6258532]	0.2994	0.0000
ENSXETG00000011499	MYT1	myelin transcription factor 1 [Source:Jamboree;Acc:XB-GENE-1009975]	0.6575	0.0001
ENSXETG00000000094	N/A	N/A	0.7859	0.0454
ENSXETG00000001006	N/A	N/A	0.5097	0.0000
ENSXETG00000001715	N/A	N/A	0.5230	0.0043
ENSXETG00000003700	N/A	N/A	0.6918	0.0024
ENSXETG00000004686	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6TSQ2]	0.7157	0.0061
ENSXETG00000005639	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YU25]	0.7905	0.0177
ENSXETG00000005910	N/A	N/A	0.7282	0.0099
ENSXETG00000006636	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U0Q2]	0.4303	0.0187
ENSXETG00000007433	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N303]	0.5654	0.0000
ENSXETG00000007890	N/A	N/A	0.7407	0.0060
ENSXETG00000008188	N/A	N/A	0.7382	0.0107
ENSXETG00000008553	N/A	N/A	0.6812	0.0153
ENSXETG00000008929	N/A	N/A	0.6654	0.0153
ENSXETG00000009442	N/A	uncharacterized protein LOC100127867 precursor [Source:RefSeq peptide;Acc:NP_001106629]	0.6617	0.0174
ENSXETG00000009841	N/A	N/A	0.6391	0.0136
ENSXETG00000011669	N/A	N/A	0.5396	0.0024
ENSXETG00000013474	N/A	N/A	0.7646	0.0369
ENSXETG00000013810	N/A	N/A	0.3352	0.0000
ENSXETG00000015180	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7AM19]	0.3160	0.0165
ENSXETG00000015200	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7A074]	0.6083	0.0267
ENSXETG00000015882	N/A	N/A	0.6303	0.0188
ENSXETG00000018678	N/A	N/A	0.4985	0.0018
ENSXETG00000020180	N/A	N/A	0.6111	0.0000
ENSXETG00000021241	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T783]	0.7113	0.0020
ENSXETG00000021805	N/A	N/A	0.5342	0.0003
ENSXETG00000023093	N/A	N/A	0.7960	0.0351
ENSXETG00000023382	N/A	N/A	0.3626	0.0000
ENSXETG00000024075	N/A	N/A	0.4084	0.0000
ENSXETG00000024090	N/A	N/A	0.5972	0.0000
ENSXETG00000024413	N/A	N/A	0.7883	0.0216
ENSXETG00000025022	N/A	N/A	0.6188	0.0313
ENSXETG00000025200	N/A	N/A	0.4427	0.0187
ENSXETG00000025817	N/A	N/A	0.7020	0.0394
ENSXETG00000025852	N/A	N/A	0.6059	0.0033
ENSXETG00000025863	N/A	N/A	0.6215	0.0049
ENSXETG00000026238	N/A	N/A	0.6942	0.0090
ENSXETG00000027082	N/A	N/A	0.7828	0.0125
ENSXETG00000027258	N/A	N/A	0.0786	0.0000
ENSXETG00000027339	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BWA1]	0.7679	0.0268
ENSXETG00000027477	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WEX9]	0.5163	0.0000
ENSXETG00000027561	N/A	uncharacterized protein LOC100145695 [Source:RefSeq peptide;Acc:NP_001120541]	0.6663	0.0011
ENSXETG00000028006	N/A	N/A	0.5591	0.0000
XLOC_000138	N/A	N/A	0.7116	0.0288
XLOC_001399	N/A	N/A	0.6969	0.0214
XLOC_001617	N/A	N/A	0.5772	0.0001
XLOC_002484	N/A	N/A	0.4454	0.0000
XLOC_002824	N/A	N/A	0.2113	0.0000
XLOC_003040	N/A	N/A	0.4640	0.0000
XLOC_003317	N/A	N/A	0.4981	0.0009
XLOC_003347	N/A	N/A	0.4743	0.0010
XLOC_004906	N/A	N/A	0.6201	0.0024
XLOC_005223	N/A	N/A	0.7476	0.0493
XLOC_005225	N/A	N/A	0.7476	0.0493
XLOC_005260	N/A	N/A	0.7319	0.0006
XLOC_006019	N/A	N/A	0.5810	0.0075
XLOC_006217	N/A	N/A	0.3942	0.0000
XLOC_006385	N/A	N/A	0.6374	0.0182
XLOC_008010	N/A	N/A	0.7309	0.0001
XLOC_008769	N/A	N/A	0.4029	0.0000
XLOC_009297	N/A	N/A	0.7865	0.0416
XLOC_009699	N/A	N/A	0.6789	0.0004
XLOC_010388	N/A	N/A	0.5793	0.0001
XLOC_010407	N/A	N/A	0.4153	0.0002
XLOC_011684	N/A	N/A	0.4787	0.0005
XLOC_012817	N/A	N/A	0.7285	0.0201
XLOC_013027	N/A	N/A	0.6730	0.0048
XLOC_014055	N/A	N/A	0.6651	0.0076
XLOC_014318	N/A	N/A	0.5389	0.0042
XLOC_014503	N/A	N/A	0.7553	0.0186
XLOC_014562	N/A	N/A	0.7115	0.0007
XLOC_015091	N/A	N/A	0.4023	0.0202
XLOC_015452	N/A	N/A	0.3068	0.0003
XLOC_015467	N/A	N/A	0.7942	0.0370
XLOC_015590	N/A	N/A	0.4048	0.0000
XLOC_015892	N/A	N/A	0.6531	0.0412
XLOC_015935	N/A	N/A	0.4054	0.0142
XLOC_016345	N/A	N/A	0.7618	0.0472
XLOC_017024	N/A	N/A	0.7348	0.0140
XLOC_017868	N/A	N/A	0.6838	0.0014
XLOC_018162	N/A	N/A	0.6997	0.0003
XLOC_018227	N/A	N/A	0.7775	0.0428
XLOC_018808	N/A	N/A	0.7375	0.0011
XLOC_018849	N/A	N/A	0.7336	0.0030
XLOC_019478	N/A	N/A	0.5557	0.0345
XLOC_019731	N/A	N/A	0.5663	0.0000
XLOC_020052	N/A	N/A	0.5059	0.0000

XLOC_020054	N/A	N/A	0.4652	0.0050
XLOC_020464	N/A	N/A	0.2304	0.0000
XLOC_021408	N/A	N/A	0.6873	0.0322
XLOC_022692	N/A	N/A	0.7661	0.0098
XLOC_023422	N/A	N/A	0.6800	0.0079
XLOC_023423	N/A	N/A	0.7367	0.0083
XLOC_023753	N/A	N/A	0.5121	0.0011
XLOC_024308	N/A	N/A	0.5653	0.0032
XLOC_024873	N/A	N/A	0.7490	0.0280
XLOC_024916	N/A	N/A	0.6486	0.0293
XLOC_025532	N/A	N/A	0.6385	0.0000
XLOC_025605	N/A	N/A	0.6744	0.0236
XLOC_025622	N/A	N/A	0.6699	0.0114
XLOC_026754	N/A	N/A	0.3472	0.0000
XLOC_027868	N/A	N/A	0.5489	0.0033
XLOC_028062	N/A	N/A	0.7366	0.0184
XLOC_028544	N/A	N/A	0.6083	0.0000
XLOC_028693	N/A	N/A	0.7103	0.0015
XLOC_028869	N/A	N/A	0.2048	0.0000
XLOC_029674	N/A	N/A	0.7420	0.0150
XLOC_029682	N/A	N/A	0.1789	0.0000
XLOC_031974	N/A	N/A	0.7880	0.0387
XLOC_031990	N/A	N/A	0.7118	0.0111
XLOC_032047	N/A	N/A	0.7728	0.0350
XLOC_032258	N/A	N/A	0.4549	0.0000
XLOC_032674	N/A	N/A	0.1318	0.0131
XLOC_032814	N/A	N/A	0.6236	0.0002
XLOC_032909	N/A	N/A	0.3725	0.0000
XLOC_033466	N/A	N/A	0.3105	0.0000
XLOC_033578	N/A	N/A	0.4866	0.0184
XLOC_035008	N/A	N/A	0.6426	0.0160
XLOC_035027	N/A	N/A	0.3263	0.0061
XLOC_035326	N/A	N/A	0.5257	0.0216
XLOC_035695	N/A	N/A	0.6883	0.0209
XLOC_036205	N/A	N/A	0.4720	0.0084
XLOC_036298	N/A	N/A	0.7199	0.0435
XLOC_037212	N/A	N/A	0.3490	0.0199
XLOC_037516	N/A	N/A	0.6431	0.0110
XLOC_038082	N/A	N/A	0.4857	0.0000
XLOC_038083	N/A	N/A	0.4681	0.0070
XLOC_038318	N/A	N/A	0.6992	0.0311
XLOC_038594	N/A	N/A	0.4170	0.0002
XLOC_038595	N/A	N/A	0.3935	0.0007
XLOC_038753	N/A	N/A	0.4185	0.0000
XLOC_039241	N/A	N/A	0.5608	0.0202
XLOC_039355	N/A	N/A	0.7235	0.0002
XLOC_040433	N/A	N/A	0.6849	0.0005
XLOC_041645	N/A	N/A	0.3729	0.0068
XLOC_041725	N/A	N/A	0.6082	0.0003
XLOC_042219	N/A	N/A	0.4774	0.0293
XLOC_042744	N/A	N/A	0.6756	0.0002
XLOC_043007	N/A	N/A	0.5221	0.0000
XLOC_043349	N/A	N/A	0.7053	0.0251
XLOC_044255	N/A	N/A	0.6875	0.0231
ENSXETG00000002713	NAA40	N(alpha)-acetyltransferase 40, NatD catalytic subunit, homolog [Source:Jamboree;Acc:XB-GENE-5846020]	0.7253	0.0012
ENSXETG00000027610	NAAA	N-acylethanolamine acid amidase [Source:Jamboree;Acc:XB-GENE-1006650]	0.4268	0.0000
ENSXETG00000022907	NAGPA	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase [Source:Jamboree;Acc:XB-GENE-996371]	0.7622	0.0285
ENSXETG00000002892	NAPSA	napsin A aspartic peptidase [Source:Jamboree;Acc:XB-GENE-947098]	0.5625	0.0485
ENSXETG00000002389	NAT8L	N-acetyltransferase 8-like (GCN5-related, putative) [Source:Jamboree;Acc:XB-GENE-5817008]	0.7555	0.0075
ENSXETG00000017089	NAV1	neuron navigator 1 [Source:Jamboree;Acc:XB-GENE-981217]	0.7988	0.0206
ENSXETG00000023826	NCAPG	non-SMC condensin I complex, subunit G [Source:Jamboree;Acc:XB-GENE-5783775]	0.6865	0.0273
ENSXETG00000001245	NCAPH	non-SMC condensin I complex, subunit H [Source:Jamboree;Acc:XB-GENE-5738397]	0.4589	0.0075
ENSXETG00000012530	NCF2	neutrophil cytosolic factor 2 [Source:Jamboree;Acc:XB-GENE-482959]	0.5268	0.0189
ENSXETG00000020840	NDC80	NDC80 homolog, kinetochore complex component [Source:Jamboree;Acc:XB-GENE-997352]	0.5058	0.0041
ENSXETG00000019915	NES	nestin [Source:Jamboree;Acc:XB-GENE-490506]	0.2946	0.0000
ENSXETG00000007898	NEUROG1	neurogenin 1 [Source:Jamboree;Acc:XB-GENE-491452]	0.1301	0.0002
ENSXETG00000024100	NEUROG2	neurogenin 2 [Source:Jamboree;Acc:XB-GENE-491040]	0.1817	0.0020
ENSXETG00000017861	NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive [Source:Jamboree;Acc:XB-GENE-6069990]	0.8158	0.0454
ENSXETG00000005841	NHLH1	nescient helix loop helix 1 [Source:Jamboree;Acc:XB-GENE-989790]	0.6109	0.0000
ENSXETG00000016032	NHLRC3	NHL repeat containing 3 [Source:Jamboree;Acc:XB-GENE-988782]	0.4821	0.0438
ENSXETG00000016220	NID1	nidogen 1 [Source:Jamboree;Acc:XB-GENE-1003556]	0.7532	0.0318
ENSXETG00000018172	NIF3L1	NIF3 NGG1 interacting factor 3-like 1 [Source:Jamboree;Acc:XB-GENE-1016729]	0.5255	0.0494
ENSXETG00000012699	NIT1	nitrilase 1 [Source:Jamboree;Acc:XB-GENE-975428]	0.6095	0.0000
ENSXETG00000012908	NKAIN1	Na+/K+ transporting ATPase interacting 1 [Source:Jamboree;Acc:XB-GENE-946558]	0.5624	0.0000
ENSXETG00000000451	NLN	neurolysin (metallopeptidase M3 family) [Source:Jamboree;Acc:XB-GENE-960645]	0.5803	0.0000
ENSXETG00000020868	NONO	non-POU domain containing, octamer-binding [Source:Jamboree;Acc:XB-GENE-1002494]	0.7408	0.0022
ENSXETG00000000757	NOTCH1	notch 1 [Source:Jamboree;Acc:XB-GENE-479318]	0.7357	0.0075
ENSXETG00000002570	NOTCH3	notch 3 [Source:Jamboree;Acc:XB-GENE-6450008]	0.7342	0.0016
ENSXETG00000021449	NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog [Source:Jamboree;Acc:XB-GENE-6085898]	0.7368	0.0335
ENSXETG00000005077	NSA2	NSA2 ribosome biogenesis homolog [Source:Jamboree;Acc:XB-GENE-478113]	0.6958	0.0005
ENSXETG00000014390	NTN1	netrin 1 precursor [Source:RefSeq peptide;Acc:NP_001072385]	0.7103	0.0209
ENSXETG00000020288	NTN3	netrin 3 [Source:Jamboree;Acc:XB-GENE-960264]	0.5076	0.0000
ENSXETG00000014584	NTPCR	nucleoside-triphosphatase, cancer-related [Source:Jamboree;Acc:XB-GENE-1012145]	0.7369	0.0301
ENSXETG00000016542	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1 [Source:Jamboree;Acc:XB-GENE-975736]	0.4748	0.0144
ENSXETG00000002535	NUP37	nucleoporin 37kDa [Source:Jamboree;Acc:XB-GENE-1015893]	0.6483	0.0013
ENSXETG00000027499	NUSAP1	nucleolar and spindle associated protein 1 [Source:Jamboree;Acc:XB-GENE-479486]	0.2912	0.0000
ENSXETG00000008729	OTOL1	otolin 1 [Source:HGNC Symbol;Acc:HGNC:34071]	0.0409	0.0000
ENSXETG00000017606	OTUD4	OTU domain containing 4 [Source:Jamboree;Acc:XB-GENE-5900161]	0.7251	0.0011
ENSXETG00000013025	OTX1	orthodenticle homeobox 1 [Source:Jamboree;Acc:XB-GENE-939804]	0.6685	0.0005
ENSXETG00000015687	OTX2	orthodenticle homeobox 2 [Source:Jamboree;Acc:XB-GENE-485220]	0.7689	0.0243
ENSXETG00000006635	PABPC1	poly(A) binding protein, cytoplasmic 1 [Source:Jamboree;Acc:XB-GENE-963457]	0.7734	0.0089
ENSXETG00000010418	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1 [Source:Jamboree;Acc:XB-GENE-5852172]	0.7779	0.0146
ENSXETG00000019626	PAH	phenylalanine hydroxylase [Source:Jamboree;Acc:XB-GENE-991085]	0.5921	0.0004
ENSXETG00000004190	PATZ1	POZ (BTB) and AT hook containing zinc finger 1 [Source:Jamboree;Acc:XB-GENE-976137]	0.7945	0.0285
ENSXETG00000014206	PAX2	paired box 2 [Source:Jamboree;Acc:XB-GENE-486801]	0.7556	0.0177
ENSXETG00000007640	PAX3	paired box 3 [Source:Jamboree;Acc:XB-GENE-482740]	0.4998	0.0000
ENSXETG00000008175	PAX6	paired box 6 [Source:Jamboree;Acc:XB-GENE-484088]	0.7850	0.0391
ENSXETG00000018527	PAX7	paired box 7 [Source:Jamboree;Acc:XB-GENE-487140]	0.7075	0.0015
ENSXETG00000020438	PBK	PDZ binding kinase [Source:Jamboree;Acc:XB-GENE-1017083]	0.3372	0.0000
ENSXETG00000010464	PBX1	pre-B-cell leukemia homeobox 1 [Source:Jamboree;Acc:XB-GENE-1217592]	0.7589	0.0048
ENSXETG00000013634	PCF11	PCF11, cleavage and polyadenylation factor subunit, homolog [Source:Jamboree;Acc:XB-GENE-5846364]	0.7886	0.0156
ENSXETG00000025248	PDCD4	programmed cell death 4 (neoplastic transformation inhibitor) [Source:Jamboree;Acc:XB-GENE-959687]	0.7623	0.0075
ENSXETG00000020374	PDE4B	phosphodiesterase 4B, cAMP-specific [Source:Jamboree;Acc:XB-GENE-963512]	0.7931	0.0396
ENSXETG00000021391	PDZD7	PDZ domain containing 7 [Source:Jamboree;Acc:XB-GENE-6049796]	0.5431	0.0350
ENSXETG00000000401	PDZRN3	PDZ domain containing ring finger 3 [Source:Jamboree;Acc:XB-GENE-5817964]	0.4049	0.0090
ENSXETG00000012702	PFDN2	prefoldin subunit 2 [Source:Jamboree;Acc:XB-GENE-997342]	0.5857	0.0000

ENSXETG00000005049	PHACTR3	phosphatase and actin regulator 3 [Source:Jamboree;Acc:XB-GENE-493469]	0.6236	0.0394
ENSXETG00000020644	PHACTR4	phosphatase and actin regulator 4 [Source:Jamboree;Acc:XB-GENE-5930004]	0.7474	0.0043
ENSXETG00000011747	PHIP	pleckstrin homology domain interacting protein [Source:Jamboree;Acc:XB-GENE-988009]	0.7401	0.0048
ENSXETG00000021083	PHOX2B	paired-like homeobox 2b [Source:Jamboree;Acc:XB-GENE-1000415]	0.7005	0.0293
ENSXETG00000009544	PIF1	PIF1 5'-to-3' DNA helicase homolog [Source:Jamboree;Acc:XB-GENE-5924613]	0.2642	0.0134
ENSXETG00000000688	PINX1	PIN2/TERF1 interacting, telomerase inhibitor 1 [Source:Jamboree;Acc:XB-GENE-951063]	0.7288	0.0484
ENSXETG00000010022	PITX3	paired-like homeodomain 3 [Source:Jamboree;Acc:XB-GENE-486162]	0.5461	0.0409
ENSXETG00000006706	PKP3	plakophilin 3 [Source:Jamboree;Acc:XB-GENE-489317]	0.6078	0.0392
ENSXETG00000025326	PLA2G2E	phospholipase A2, group IIE [Source:Jamboree;Acc:XB-GENE-5756014]	0.1323	0.0000
ENSXETG00000009051	PLCL2	phospholipase C-like 2 [Source:Jamboree;Acc:XB-GENE-949595]	0.7581	0.0212
ENSXETG00000004126	PLCXD1	phosphatidylinositol-specific phospholipase C, X domain containing 1 [Source:Jamboree;Acc:XB-GENE-961406]	0.6887	0.0251
ENSXETG00000022522	PLK4	polo-like kinase 4 [Source:Jamboree;Acc:XB-GENE-493608]	0.4584	0.0411
ENSXETG00000019579	PMP22	peripheral myelin protein 22 [Source:Jamboree;Acc:XB-GENE-1004858]	0.7333	0.0066
ENSXETG00000017349	PNO1	partner of NOB1 homolog [Source:Jamboree;Acc:XB-GENE-491293]	0.6317	0.0000
ENSXETG00000016932	PNP	purine nucleoside phosphorylase [Source:Jamboree;Acc:XB-GENE-1011598]	0.7627	0.0075
ENSXETG00000002388	POLN	polymerase (DNA directed) nu [Source:Jamboree;Acc:XB-GENE-988834]	0.7287	0.0090
ENSXETG00000017598	POP4	processing of precursor 4, ribonuclease P/MRP subunit [Source:Jamboree;Acc:XB-GENE-1009757]	0.7306	0.0395
ENSXETG00000011510	POU3F1	POU class 3 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853354]	0.6664	0.0000
ENSXETG00000028057	POU3F2	POU class 3 homeobox 2 [Source:Jamboree;Acc:XB-GENE-483174]	0.6647	0.0000
ENSXETG00000025593	POU3F3	POU class 3 homeobox 3 [Source:Jamboree;Acc:XB-GENE-920672]	0.7225	0.0220
ENSXETG00000014504	POU3F4	POU class 3 homeobox 4 [Source:Jamboree;Acc:XB-GENE-479667]	0.6846	0.0000
ENSXETG00000017814	POU4F1	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853139]	0.7423	0.0109
ENSXETG00000018386	POU4F1.2	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-5996034]	0.7082	0.0296
ENSXETG00000026053	POU4F2	POU class 4 homeobox 2 [Source:Jamboree;Acc:XB-GENE-854899]	0.7592	0.0138
ENSXETG00000006145	PPA2	pyrophosphatase (inorganic) 2 [Source:Jamboree;Acc:XB-GENE-961143]	0.7436	0.0082
ENSXETG00000017095	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B [Source:Jamboree;Acc:XB-GENE-5738329]	0.5262	0.0001
ENSXETG00000007199	PPP1R14B	protein phosphatase 1, regulatory (inhibitor) subunit 14B [Source:Jamboree;Acc:XB-GENE-485314]	0.6733	0.0012
ENSXETG00000015449	PRC1	protein regulator of cytokinesis 1 [Source:Jamboree;Acc:XB-GENE-963901]	0.3506	0.0000
ENSXETG00000027124	PRELID2	PRELI domain containing 2 [Source:Jamboree;Acc:XB-GENE-943679]	0.5338	0.0301
ENSXETG00000010248	PRKD1	protein kinase D1 [Source:Jamboree;Acc:XB-GENE-487626]	0.7536	0.0290
ENSXETG00000021664	PRODH	proline dehydrogenase (oxidase) 1 [Source:Jamboree;Acc:XB-GENE-5866533]	0.5667	0.0000
ENSXETG00000026988	PRR11	proline rich 11 [Source:Jamboree;Acc:XB-GENE-942986]	0.4378	0.0033
ENSXETG00000021647	PRTN3	proteinase 3 [Source:Jamboree;Acc:XB-GENE-5805214]	0.3697	0.0095
ENSXETG00000024683	PTGR1.1	prostaglandin reductase 1, gene 1 [Source:Jamboree;Acc:XB-GENE-5789488]	0.4075	0.0000
ENSXETG00000022757	PTMA	prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-978347]	0.8196	0.0455
ENSXETG00000023744	PTP4A3	protein tyrosine phosphatase type IVA, member 3 [Source:Jamboree;Acc:XB-GENE-943078]	0.7952	0.0472
ENSXETG00000012244	PTX3	pentraxin 3, long [Source:HGNC Symbol;Acc:HGNC:9692]	0.2723	0.0000
ENSXETG00000002210	PUS10	pseudouridylate synthase 10 [Source:Jamboree;Acc:XB-GENE-5903759]	0.6856	0.0340
ENSXETG00000027606	PVALB	parvalbumin [Source:RefSeq peptide;Acc:NP_001011134]	0.0621	0.0000
ENSXETG00000009351	QARS	glutaminyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5802152]	0.6123	0.0000
ENSXETG00000013383	RACGAP1	Rac GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-943983]	0.4648	0.0001
ENSXETG00000011389	RAD51AP1	RAD51 associated protein 1 [Source:Jamboree;Acc:XB-GENE-963252]	0.3304	0.0005
ENSXETG00000007332	RASSF1	Ras association (RalGDS/AF-6) domain family member 1 [Source:Jamboree;Acc:XB-GENE-494691]	0.6998	0.0268
ENSXETG00000023554	RASSF4	Ras association (RalGDS/AF-6) domain family member 4 [Source:Jamboree;Acc:XB-GENE-493110]	0.7170	0.0130
ENSXETG00000006038	RASSF7	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7 [Source:Jamboree;Acc:XB-GENE-956640]	0.4754	0.0003
ENSXETG00000000072	RBM15B	RNA binding motif protein 15B [Source:Jamboree;Acc:XB-GENE-961063]	0.7884	0.0473
ENSXETG00000021857	RBM25	RNA binding motif protein 25 [Source:Jamboree;Acc:XB-GENE-490152]	0.8131	0.0390
ENSXETG00000003481	RBMX	RNA binding motif protein, X-linked [Source:Jamboree;Acc:XB-GENE-5733378]	0.7983	0.0336
ENSXETG00000003731	RBP4	retinol binding protein 4, plasma [Source:Jamboree;Acc:XB-GENE-5841608]	0.5433	0.0106
ENSXETG00000023880	RGMB	RGM domain family, member B [Source:Jamboree;Acc:XB-GENE-868420]	0.7435	0.0018
ENSXETG00000003124	RHOBTB1	Rho-related BTB domain containing 1 [Source:Jamboree;Acc:XB-GENE-484718]	0.7647	0.0313
ENSXETG00000016219	RNASET2	ribonuclease T2 [Source:Jamboree;Acc:XB-GENE-944135]	0.7626	0.0439
ENSXETG00000025335	RND3	Rho family GTPase 3 [Source:Jamboree;Acc:XB-GENE-495412]	0.7865	0.0292
ENSXETG00000003029	RNF169	ring finger protein 169 [Source:Jamboree;Acc:XB-GENE-6047625]	0.7478	0.0271
ENSXETG00000014618	RNF31	ring finger protein 31 [Source:Jamboree;Acc:XB-GENE-968731]	0.7714	0.0391
ENSXETG00000003937	ROBO4	roundabout homolog 4, magic roundabout [Source:Jamboree;Acc:XB-GENE-955396]	0.6084	0.0000
ENSXETG00000008642	RPF1	ribosome production factor 1 homolog [Source:Jamboree;Acc:XB-GENE-5777492]	0.6693	0.0013
ENSXETG00000001178	RPL11	ribosomal protein L11 [Source:Jamboree;Acc:XB-GENE-1000977]	0.7016	0.0048
ENSXETG00000006914	RPL3	ribosomal protein L3 [Source:Jamboree;Acc:XB-GENE-971703]	0.7250	0.0039
ENSXETG00000015898	RPL4	ribosomal protein L4 [Source:Jamboree;Acc:XB-GENE-968395]	0.7384	0.0425
ENSXETG00000023004	RPL5	ribosomal protein L5 [Source:Jamboree;Acc:XB-GENE-983912]	0.7394	0.0124
ENSXETG00000004304	RPL6	ribosomal protein L6 [Source:Jamboree;Acc:XB-GENE-958284]	0.7453	0.0181
ENSXETG00000020394	RPS18	ribosomal protein S18 [Source:Jamboree;Acc:XB-GENE-488842]	0.7393	0.0098
ENSXETG00000014506	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6 [Source:Jamboree;Acc:XB-GENE-487733]	0.7305	0.0005
ENSXETG00000024113	RRH	retinal pigment epithelium-derived rhodopsin homolog [Source:Jamboree;Acc:XB-GENE-6076482]	0.3364	0.0001
ENSXETG00000003527	RRM2.1	ribonucleotide reductase M2, gene 1 [Source:Jamboree;Acc:XB-GENE-947052]	0.4680	0.0000
ENSXETG00000014056	RTKN2	rhotekin 2 [Source:Jamboree;Acc:XB-GENE-993318]	0.5800	0.0003
ENSXETG00000024454	RTN2	reticulon 2 [Source:Jamboree;Acc:XB-GENE-941644]	0.7379	0.0012
ENSXETG00000002554	RXFP3	relaxin/insulin-like family peptide receptor 3 [Source:Jamboree;Acc:XB-GENE-478939]	0.6929	0.0006
ENSXETG00000017176	SALL2	sal-like 2 [Source:Jamboree;Acc:XB-GENE-494377]	0.5688	0.0000
ENSXETG00000012326	SALL4	sal-like 4 [Source:Jamboree;Acc:XB-GENE-485252]	0.4149	0.0000
ENSXETG00000004424	SCUBE2	signal peptide, CUB domain, EGF-like 2 [Source:Jamboree;Acc:XB-GENE-5945055]	0.6433	0.0009
ENSXETG00000018164	SEMA4A	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A [Source:Jamboree;Acc:XB-GENE-5914424]	0.7329	0.0008
ENSXETG00000009151	SEPT12	septin 12 [Source:Jamboree;Acc:XB-GENE-5894593]	0.7004	0.0011
ENSXETG00000018605	SEPT2-A	Septin-2A [Source:UniProtKB/Swiss-Prot;Acc:Q5BKN4]	0.7588	0.0054
ENSXETG00000027686	SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1 [Source:Jamboree;Acc:XB-GENE-945026]	0.5905	0.0007
ENSXETG00000021286	SESN1	sestrin 1 [Source:Jamboree;Acc:XB-GENE-491636]	0.7487	0.0049
ENSXETG00000001921	SETD1A	SET domain containing 1A [Source:Jamboree;Acc:XB-GENE-6046043]	0.8125	0.0237
ENSXETG00000022923	SF3A3	splicing factor 3a, subunit 3, 60kDa [Source:Jamboree;Acc:XB-GENE-947674]	0.7035	0.0042
ENSXETG00000026087	SFRP2	secreted frizzled-related protein 2 [Source:Jamboree;Acc:XB-GENE-485147]	0.5863	0.0001
ENSXETG00000024699	SFRP5	secreted frizzled-related protein 5 [Source:Jamboree;Acc:XB-GENE-482920]	0.6338	0.0006
ENSXETG00000025848	SH3BGRL2	SH3 domain binding glutamic acid-rich protein like 2 [Source:Jamboree;Acc:XB-GENE-1015677]	0.5628	0.0019
ENSXETG00000018790	SH3PXD2B	SH3 and PX domains 2B [Source:Jamboree;Acc:XB-GENE-1009043]	0.7548	0.0122
ENSXETG00000008782	SHC4	SHC (Src homology 2 domain containing) family, member 4 [Source:Jamboree;Acc:XB-GENE-490134]	0.3912	0.0450
ENSXETG00000024151	SHD	Src homology 2 domain containing transforming protein D [Source:Jamboree;Acc:XB-GENE-492409]	0.3896	0.0000
ENSXETG00000016879	SHOX	short stature homeobox [Source:Jamboree;Acc:XB-GENE-920752]	0.6790	0.0000
ENSXETG00000014058	SHOX2	short stature homeobox 2 [Source:Jamboree;Acc:XB-GENE-480993]	0.6650	0.0000
ENSXETG00000019941	SHROOM3	shroom family member 3 [Source:Jamboree;Acc:XB-GENE-490224]	0.5964	0.0002
ENSXETG00000007811	SKOR1	SKI family transcriptional corepressor 1 [Source:Jamboree;Acc:XB-GENE-877133]	0.6558	0.0225
ENSXETG00000003876	SLBP	stem-loop binding protein [Source:Jamboree;Acc:XB-GENE-480369]	0.7686	0.0252
ENSXETG00000012316	SLC25A21	solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21 [Source:Jamboree;Acc:XB-GENE-943812]	0.6509	0.0015
ENSXETG00000012233	SLC26A3.1	solute carrier family 26, member 3, gene 1 [Source:Jamboree;Acc:XB-GENE-855719]	0.2505	0.0399
ENSXETG00000009196	SLC30A2	solute carrier family 30 (zinc transporter), member 2 [Source:Jamboree;Acc:XB-GENE-494395]	0.3787	0.0111
ENSXETG00000011939	SLC38A5	solute carrier family 38, member 5 [Source:Jamboree;Acc:XB-GENE-5856213]	0.6146	0.0389
ENSXETG00000001368	SLC39A12	solute carrier family 39 (zinc transporter), member 12 [Source:Jamboree;Acc:XB-GENE-6051312]	0.6697	0.0376
ENSXETG00000000683	SLC7A2.1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 1 [Source:Jamboree;Acc:XB-GENE-994549]	0.7435	0.0466
ENSXETG00000015232	SLCO5A1	solute carrier organic anion transporter family, member 5A1 [Source:Jamboree;Acc:XB-GENE-480413]	0.6624	0.0000
ENSXETG00000009355	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 [Source:Jamboree;Acc:XB-GENE-483983]	0.7611	0.0033
ENSXETG00000017566	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 [Source:Jamboree;Acc:XB-GENE-494817]	0.7505	0.0361
ENSXETG00000014492	SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 [Source:Jamboree;Acc:XB-GENE-5906750]	0.7885	0.0171

ENSXETG00000010209	SMC2	structural maintenance of chromosomes 2 [Source:Jamboree;Acc:XB-GENE-5826169]	0.3726	0.0000
ENSXETG00000008717	SMC4	structural maintenance of chromosomes 4 [Source:Jamboree;Acc:XB-GENE-5865855]	0.5007	0.0000
ENSXETG00000014939	SMO	smoothened, frizzled family receptor [Source:Jamboree;Acc:XB-GENE-487420]	0.6183	0.0003
ENSXETG00000013541	SMYD4	SET and MYND domain containing 4 [Source:Jamboree;Acc:XB-GENE-945037]	0.6208	0.0041
ENSXETG00000027392	SNCAIP	synuclein, alpha interacting protein [Source:Jamboree;Acc:XB-GENE-948743]	0.7597	0.0202
ENSXETG00000029745	SNORD89	Small nucleolar RNA SNORD89 [Source:RFAM;Acc:RF00578]	0.5084	0.0084
ENSXETG00000022919	SNRNP70	small nuclear ribonucleoprotein 70kDa (U1) [Source:Jamboree;Acc:XB-GENE-992818]	0.7703	0.0046
ENSXETG00000001821	SOAT2	sterol O-acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-961303]	0.6455	0.0412
ENSXETG00000023815	SOCS2	suppressor of cytokine signaling 2 [Source:Jamboree;Acc:XB-GENE-487261]	0.5760	0.0000
ENSXETG00000023439	SOX11	SRY (sex determining region Y)-box 11 [Source:Jamboree;Acc:XB-GENE-483418]	0.6867	0.0000
ENSXETG00000022689	SOX14	SRY (sex determining region Y)-box 14 [Source:Jamboree;Acc:XB-GENE-485370]	0.7599	0.0119
ENSXETG00000010955	SOX21	SRY (sex determining region Y)-box 21 [Source:Jamboree;Acc:XB-GENE-486445]	0.7824	0.0477
ENSXETG00000007607	SOX3	SRY (sex determining region Y)-box 3 [Source:Jamboree;Acc:XB-GENE-484815]	0.6858	0.0006
ENSXETG00000019834	SPG7	spastic paraplegia 7 (pure and complicated autosomal recessive) [Source:Jamboree;Acc:XB-GENE-6034036]	0.7054	0.0001
ENSXETG00000002760	SRBD1	S1 RNA binding domain 1 [Source:Jamboree;Acc:XB-GENE-6035351]	0.5321	0.0175
ENSXETG00000006922	SS18	synovial sarcoma translocation, chromosome 18 [Source:Jamboree;Acc:XB-GENE-995006]	0.7794	0.0299
ENSXETG00000022940	SSBP4	single stranded DNA binding protein 4 [Source:Jamboree;Acc:XB-GENE-994793]	0.7745	0.0068
ENSXETG00000010382	ST6GAL2	ST6 beta-galactosamide alpha-2,6-sialyltranferase 2 [Source:Jamboree;Acc:XB-GENE-990439]	0.7566	0.0038
ENSXETG00000007763	STC1	stanniocalcin 1 [Source:Jamboree;Acc:XB-GENE-949749]	0.2941	0.0000
ENSXETG00000009198	STMN1	stathmin 1 [Source:Jamboree;Acc:XB-GENE-481615]	0.6417	0.0000
ENSXETG00000015231	SULF1	sulfatase 1 [Source:Jamboree;Acc:XB-GENE-966419]	0.4777	0.0000
ENSXETG00000007889	SULT6B1	sulfotransferase family, cytosolic, 6B, member 1 [Source:Jamboree;Acc:XB-GENE-5735978]	0.3832	0.0054
ENSXETG00000003874	TACC3	transforming, acidic coiled-coil containing protein 3 [Source:Jamboree;Acc:XB-GENE-483950]	0.3932	0.0000
ENSXETG00000005800	TAX1BP3	Tax1 (human T-cell leukemia virus type I) binding protein 3 [Source:Jamboree;Acc:XB-GENE-483851]	0.7713	0.0234
ENSXETG00000008099	TCEA1	transcription elongation factor A (SII), 1 [Source:Jamboree;Acc:XB-GENE-1001315]	0.7965	0.0419
ENSXETG00000015624	TERT	telomerase reverse transcriptase [Source:Jamboree;Acc:XB-GENE-6451333]	0.7330	0.0099
ENSXETG00000001074	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha) [Source:Jamboree;Acc:XB-GENE-481201]	0.5802	0.0000
ENSXETG00000021674	TFAP2B	transcription factor AP-2 beta (activating enhancer binding protein 2 beta) [Source:Jamboree;Acc:XB-GENE-485026]	0.7468	0.0014
ENSXETG00000027719	TFAP2E	transcription factor AP-2 epsilon (activating enhancer binding protein 2 epsilon) [Source:Jamboree;Acc:XB-GENE-876803]	0.5872	0.0001
ENSXETG00000014750	TFDP2	transcription factor Dp-2 (E2F dimerization partner 2) [Source:Jamboree;Acc:XB-GENE-1000260]	0.5209	0.0000
ENSXETG00000013900	TFPI2	tissue factor pathway inhibitor 2 [Source:Jamboree;Acc:XB-GENE-1002090]	0.5997	0.0007
ENSXETG00000025010	TGIF1	TGFB-induced factor homeobox 1 [Source:Jamboree;Acc:XB-GENE-853021]	0.4628	0.0000
ENSXETG00000017312	TGIF2	TGFB-induced factor homeobox 2 [Source:Jamboree;Acc:XB-GENE-876497]	0.3155	0.0019
ENSXETG00000013999	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog) [Source:Jamboree;Acc:XB-GENE-868100]	0.6845	0.0003
ENSXETG00000018477	TLR6	toll-like receptor 6 [Source:Jamboree;Acc:XB-GENE-492949]	0.6450	0.0096
ENSXETG00000027666	TMEFF1	transmembrane protein with EGF-like and two follistatin-like domains 1 [Source:Jamboree;Acc:XB-GENE-876375]	0.7524	0.0040
ENSXETG00000011941	TMEM132A	transmembrane protein 132A [Source:Jamboree;Acc:XB-GENE-1009879]	0.7579	0.0057
ENSXETG00000018649	TMEM98	transmembrane protein 98 [Source:Jamboree;Acc:XB-GENE-5859301]	0.6469	0.0051
ENSXETG00000020677	TMTC4	transmembrane and tetratricopeptide repeat containing 4 [Source:Jamboree;Acc:XB-GENE-5771787]	0.7531	0.0030
ENSXETG00000003024	TMTOPS.2	multiple tissue opsin, gene 2 [Source:Jamboree;Acc:XB-GENE-1018917]	0.6132	0.0397
ENSXETG00000009704	TNFRSF19	tumor necrosis factor receptor superfamily, member 19 [Source:Jamboree;Acc:XB-GENE-483770]	0.7435	0.0253
ENSXETG00000004621	TNNI2	troponin I type 2 (skeletal, fast) [Source:Jamboree;Acc:XB-GENE-478629]	0.1940	0.0026
ENSXETG00000007504	TNRC18	zinc finger protein 469 [Source:Jamboree;Acc:XB-GENE-6458544]	0.6956	0.0055
ENSXETG00000001854	TOPBP1	topoisomerase (DNA) II binding protein 1 [Source:Jamboree;Acc:XB-GENE-990637]	0.6694	0.0087
ENSXETG00000006442	TOX3	TOX high mobility group box family member 3 [Source:Jamboree;Acc:XB-GENE-5887160]	0.7259	0.0032
ENSXETG00000020701	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2 [Source:Jamboree;Acc:XB-GENE-1015881]	0.5017	0.0008
ENSXETG00000016266	TRIM69.1	tripartite motif-containing 69, gene 1 [Source:Jamboree;Acc:XB-GENE-6462279]	0.7904	0.0244
ENSXETG00000013105	TRIP13	thyroid hormone receptor interactor 13 [Source:Jamboree;Acc:XB-GENE-974898]	0.2658	0.0000
ENSXETG00000022287	TTC13	tetratricopeptide repeat domain 13 [Source:Jamboree;Acc:XB-GENE-1001908]	0.7783	0.0464
ENSXETG00000002263	TTC28	tetratricopeptide repeat domain 28 [Source:Jamboree;Acc:XB-GENE-998938]	0.7402	0.0137
ENSXETG00000021244	TTC34	tetratricopeptide repeat domain 34 [Source:Jamboree;Acc:XB-GENE-991680]	0.4574	0.0000
ENSXETG00000011768	TTK	TTK protein kinase [Source:Jamboree;Acc:XB-GENE-953775]	0.5969	0.0011
ENSXETG00000023413	TUBB3	tubulin, beta 3 [Source:Jamboree;Acc:XB-GENE-5886292]	0.8052	0.0331
ENSXETG00000010735	TUBD1	tubulin, delta 1 [Source:Jamboree;Acc:XB-GENE-488049]	0.7085	0.0015
ENSXETG00000005640	TUT1	terminal uridylyl transferase 1, U6 snRNA-specific [Source:Jamboree;Acc:XB-GENE-491663]	0.7587	0.0008
ENSXETG00000012203	TXNDC16	thioredoxin domain containing 16 [Source:Jamboree;Acc:XB-GENE-989133]	0.7430	0.0021
ENSXETG00000029638	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	0.5685	0.0002
ENSXETG00000017357	UCK2	uridine-cytidine kinase 2 [Source:Jamboree;Acc:XB-GENE-942591]	0.6697	0.0002
ENSXETG00000022306	UHRF1	ubiquitin-like with PHD and ring finger domains 1 [Source:Jamboree;Acc:XB-GENE-5821474]	0.4981	0.0000
ENSXETG00000022298	UNG	uracil-DNA glycosylase [Source:Jamboree;Acc:XB-GENE-960119]	0.5097	0.0000
ENSXETG00000004225	UPB1	ureidopropionase, beta [Source:Jamboree;Acc:XB-GENE-976127]	0.4279	0.0175
ENSXETG00000007265	USP13	usp13 [Source:Jamboree;Acc:XB-GENE-998128]	0.5396	0.0000
ENSXETG00000006872	USP45	ubiquitin specific peptidase 45 [Source:Jamboree;Acc:XB-GENE-5800887]	0.5924	0.0082
ENSXETG00000005842	VANGL2	vang-like 2 [Source:Jamboree;Acc:XB-GENE-973460]	0.7492	0.0037
ENSXETG00000013214	VASH1	vasohibin 1 [Source:Jamboree;Acc:XB-GENE-956494]	0.7656	0.0088
ENSXETG00000014363	VASH2	vasohibin 2 [Source:Jamboree;Acc:XB-GENE-985620]	0.6679	0.0000
ENSXETG00000013241	VCAM1	vascular cell adhesion molecule 1 [Source:Jamboree;Acc:XB-GENE-492444]	0.7528	0.0223
ENSXETG00000027815	VCAN	versican [Source:Jamboree;Acc:XB-GENE-922302]	0.3717	0.0000
ENSXETG00000012240	VEPH1	ventricular zone expressed PH domain homolog 1 [Source:Jamboree;Acc:XB-GENE-6041921]	0.5258	0.0002
ENSXETG00000007462	VIM	vimentin [Source:Jamboree;Acc:XB-GENE-493024]	0.5361	0.0000
ENSXETG00000017980	VPS24	vacuolar protein sorting 24 homolog [Source:Jamboree;Acc:XB-GENE-1005141]	0.7571	0.0041
ENSXETG00000026901	VRK3	vaccinia related kinase 3 [Source:Jamboree;Acc:XB-GENE-986614]	0.5882	0.0000
ENSXETG00000010058	XARP	Axin-related protein [Source:Jamboree;Acc:XB-GENE-6449828]	0.5872	0.0000
ENSXETG00000006008	XB-GENE-5727893	novel protein similar to prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-5727893]	0.7737	0.0283
ENSXETG00000011152	XB-GENE-5779195	cysteine-rich secretory protein 3 [Source:Jamboree;Acc:XB-GENE-5779195]	0.0089	0.0000
ENSXETG00000026767	XB-GENE-5854345	hypothetical protein LOC100145486 [Source:Jamboree;Acc:XB-GENE-5854345]	0.7959	0.0382
ENSXETG00000018827	XB-GENE-5897024	phosphatidylserine decarboxylase [Source:Jamboree;Acc:XB-GENE-5897024]	0.7518	0.0307
ENSXETG00000027563	XB-GENE-5903984	MGC80550 protein [Source:Jamboree;Acc:XB-GENE-5903984]	0.3771	0.0069
ENSXETG00000015354	XB-GENE-5945160	Cry1 protein [Source:Jamboree;Acc:XB-GENE-5945160]	0.3451	0.0000
ENSXETG00000015923	XB-GENE-5949053	hypothetical protein LOC100137635 [Source:Jamboree;Acc:XB-GENE-5949053]	0.6582	0.0288
ENSXETG00000017937	XB-GENE-5954653	keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types), gene 1 [Source:Jamboree;Acc:XB-GENE-5954653]	0.8009	0.0411
ENSXETG00000026630	XB-GENE-5956431	hypothetical LOC493204 [Source:Jamboree;Acc:XB-GENE-5956431]	0.5697	0.0000
ENSXETG00000027480	XB-GENE-968486	Putative ortholog of dimeric dihydrodiol dehydrogenase; 3-deoxyglucosone reductase [Similar to Homo sapien gene from Source:RefSeq;Acc:NM_014475], 1 of 1 [Source:Jamboree;Acc:XB-GENE-968486]	0.7235	0.0396
ENSXETG00000011440	XB-GENE-969052	Putative ortholog of cytochrome p450 46A1 (EC 1.14.-.-) (Cholesterol 24-hydroxylase), 1 of 1 [Source:Jamboree;Acc:XB-GENE-969052]	0.7669	0.0468
ENSXETG00000021701	XB-GENE-971646	Putative ortholog of dNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (RLF beta subunit) (P102 protein) (P1-MCM3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-971646]	0.4480	0.0163
ENSXETG00000000312	XB-GENE-981231	Putative ortholog of kinesin-like protein KIF14, 1 of 1 [Source:Jamboree;Acc:XB-GENE-981231]	0.3569	0.0006
ENSXETG00000016178	XB-GENE-982799	conserved hypothetical protein, 1 of 1 [Source:Jamboree;Acc:XB-GENE-982799]	0.7322	0.0043
ENSXETG00000011949	XB-GENE-994785	conserved hypothetical protein similar to mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933430J11 product:hypothetical Proline-rich region/von Willebrand factor type A domain containing protein, full insert sequence, 1 of 1 [Source:Jamboree;Acc:XB-GENE-994785]	0.7431	0.0033
ENSXETG00000000291	XGB	x globin [Source:Jamboree;Acc:XB-GENE-5749914]	0.7034	0.0099
ENSXETG00000009649	XKRX	XK, Kell blood group complex subunit-related, X-linked [Source:Jamboree;Acc:XB-GENE-957186]	0.3439	0.0000
ENSXETG00000007460	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound [Source:Jamboree;Acc:XB-GENE-969249]	0.7353	0.0010
ENSXETG00000002224	XPO1	exportin 1 (CRM1 homolog) [Source:Jamboree;Acc:XB-GENE-993240]	0.7244	0.0018
ENSXETG00000023061	XRCC3	X-ray repair complementing defective repair in Chinese hamster cells 3 [Source:Jamboree;Acc:XB-GENE-1016741]	0.7272	0.0072
ENSXETG00000004548	XRCC6	X-ray repair complementing defective repair in Chinese hamster cells 6 [Source:Jamboree;Acc:XB-GENE-970899]	0.7665	0.0089
ENSXETG00000029114	XTR-MIR-135-2	xtr-mir-135-2 [Source:miRBase;Acc:MI0004933]	0.5967	0.0000
ENSXETG00000029188	XTR-MIR-16A	xtr-mir-16a [Source:miRBase;Acc:MI0004802]	0.5944	0.0201
ENSXETG00000029190	XTR-MIR-16C	xtr-mir-16c [Source:miRBase;Acc:MI0004801]	0.6236	0.0113
ENSXETG00000029157	XTR-MIR-210	xtr-mir-210 [Source:miRBase;Acc:MI0004864]	0.4694	0.0000
ENSXETG00000029151	XTR-MIR-363	xtr-mir-363 [Source:miRBase;Acc:MI0004955]	0.3583	0.0000

ENSXETG00000028983	XTR-MIR-365-1	xtr-mir-365-1 [Source:miRBase;Acc:MI0004879]	0.5396	0.0127
ENSXETG00000029113	XTR-MIR-9B	xtr-mir-9b [Source:miRBase;Acc:MI0004795]	0.6471	0.0000
ENSXETG00000014526	ZBED4	zinc finger, BED-type containing 4 [Source:Jamboree;Acc:XB-GENE-6076969]	0.6648	0.0004
ENSXETG00000004479	ZBTB33	zinc finger and BTB domain containing 33 [Source:Jamboree;Acc:XB-GENE-486567]	0.6770	0.0001
ENSXETG00000004417	ZBTB39	zinc finger and BTB domain containing 39 [Source:Jamboree;Acc:XB-GENE-957946]	0.7166	0.0078
ENSXETG00000006162	ZBTB47	zinc finger and BTB domain containing 47 [Source:Jamboree;Acc:XB-GENE-992955]	0.7470	0.0018
ENSXETG00000007797	ZCCHC8	zinc finger, CCHC domain containing 8 [Source:Jamboree;Acc:XB-GENE-977402]	0.7650	0.0214
ENSXETG00000007463	ZDHHC9	zinc finger, DHHC-type containing 9 [Source:Jamboree;Acc:XB-GENE-1016830]	0.7412	0.0017
ENSXETG00000017151	ZFHX4	zinc finger homeobox 4 [Source:Jamboree;Acc:XB-GENE-957673]	0.7818	0.0124
ENSXETG00000016987	ZFP36L1	zinc finger protein 36, C3H type-like 1 [Source:Jamboree;Acc:XB-GENE-966625]	0.6503	0.0014
ENSXETG00000006087	ZNF326	zinc finger protein 326 [Source:Jamboree;Acc:XB-GENE-483978]	0.8055	0.0390
ENSXETG00000027163	ZNF383	zinc finger protein 383 [Source:Jamboree;Acc:XB-GENE-5722500]	0.6519	0.0113
ENSXETG00000002298	ZNF385C	zinc finger protein 385C [Source:Jamboree;Acc:XB-GENE-6258007]	0.7664	0.0290
ENSXETG00000021160	ZNF395	zinc finger protein 395 [Source:Jamboree;Acc:XB-GENE-1218956]	0.5672	0.0000
ENSXETG00000009189	ZNF593	zinc finger protein 593 [Source:Jamboree;Acc:XB-GENE-1217394]	0.7409	0.0034
ENSXETG00000003817	ZNF605	zinc finger protein 605 [Source:Jamboree;Acc:XB-GENE-5942644]	0.7607	0.0065
ENSXETG00000011058	ZNF684	zinc finger protein 684 [Source:Jamboree;Acc:XB-GENE-5956224]	0.6370	0.0499
ENSXETG00000010417	ZNF704	zinc finger protein 704 [Source:Jamboree;Acc:XB-GENE-988666]	0.0375	0.0000
ENSXETG00000016681	ZSWIM6	zinc finger, SWIM-type containing 6 [Source:Jamboree;Acc:XB-GENE-984745]	0.7989	0.0447
ENSXETG00000015894	ZWILCH	Zwilch, kinetochore associated, homolog [Source:Jamboree;Acc:XB-GENE-5861097]	0.6012	0.0202

Complete List of Upregulated Genes Between NF stage 56 and 66

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000024219	A2M	alpha-2-macroglobulin [Source:Jamboree;Acc:XB-GENE-481725]	1.5595	0.0215
ENSXETG00000013407	AATK	apoptosis-associated tyrosine kinase [Source:Jamboree;Acc:XB-GENE-989910]	1.3779	0.0000
ENSXETG00000003978	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2 [Source:Jamboree;Acc:XB-GENE-969968]	1.2407	0.0183
ENSXETG00000012239	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3 [Source:Jamboree;Acc:XB-GENE-1003737]	1.7534	0.0052
ENSXETG00000021581	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4 [Source:HGNC Symbol;Acc:HGNC:13884]	1.2166	0.0428
ENSXETG00000008670	ABHD6	abhydrolase domain containing 6 [Source:Jamboree;Acc:XB-GENE-966285]	1.3725	0.0234
ENSXETG00000013358	ABI3BP	ABI family, member 3 (NESH) binding protein [Source:Jamboree;Acc:XB-GENE-951329]	1.8665	0.0001
ENSXETG00000013366	ACCN2	amiloride-sensitive cation channel 2, neuronal [Source:Jamboree;Acc:XB-GENE-977699]	1.2033	0.0370
ENSXETG00000027806	ACOT12	acyl-CoA thioesterase 12 [Source:Jamboree;Acc:XB-GENE-987297]	1.4967	0.0006
ENSXETG00000019720	ACOT7	acyl-CoA thioesterase 7 [Source:Jamboree;Acc:XB-GENE-976869]	1.2483	0.0385
ENSXETG00000016588	ACSL6	acyl-CoA synthetase long-chain family member 6 [Source:Jamboree;Acc:XB-GENE-5834989]	1.3470	0.0008
ENSXETG00000017933	ACTN1	actinin, alpha 1 [Source:Jamboree;Acc:XB-GENE-493909]	1.2398	0.0245
ENSXETG00000010380	ACVR1	activin A receptor, type I [Source:Jamboree;Acc:XB-GENE-478850]	1.5782	0.0000
ENSXETG00000022538	ADAM12	ADAM metallopeptidase domain 12 [Source:Jamboree;Acc:XB-GENE-982139]	1.8373	0.0000
ENSXETG00000008262	ADAM17	ADAM metallopeptidase domain 17 [Source:Jamboree;Acc:XB-GENE-492534]	1.4506	0.0000
ENSXETG00000017676	ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif, 4 [Source:Jamboree;Acc:XB-GENE-996659]	1.9154	0.0001
ENSXETG00000013638	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif, 5 [Source:Jamboree;Acc:XB-GENE-961098]	1.7340	0.0000
ENSXETG00000000457	ADAMTS6	ADAM metallopeptidase with thrombospondin type 1 motif, 6 [Source:Jamboree;Acc:XB-GENE-951750]	1.8476	0.0000
ENSXETG00000013147	ADAMTS9	ADAM metallopeptidase with thrombospondin type 1 motif, 9 [Source:Jamboree;Acc:XB-GENE-1013537]	1.8023	0.0024
ENSXETG00000015663	ADCY1	adenylate cyclase 1 (brain) [Source:Jamboree;Acc:XB-GENE-950909]	1.3593	0.0454
ENSXETG00000016889	ADCY4	adenylate cyclase 4 [Source:Jamboree;Acc:XB-GENE-984909]	1.3650	0.0012
ENSXETG00000019179	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary) [Source:Jamboree;Acc:XB-GENE-992312]	1.3096	0.0107
ENSXETG00000010368	ADRA1D	adrenergic, alpha-1D-, receptor [Source:Jamboree;Acc:XB-GENE-6050827]	1.4006	0.0101
ENSXETG00000019224	ADTRP	androgen-dependent TFPI-regulating protein [Source:HGNC Symbol;Acc:HGNC:21214]	1.3991	0.0034
ENSXETG00000020238	AGBL3	ATP/GTP binding protein-like 3 [Source:Jamboree;Acc:XB-GENE-995570]	1.8981	0.0210
ENSXETG00000021098	AGXT2L1	alanine-glyoxylate aminotransferase 2-like 1 [Source:Jamboree;Acc:XB-GENE-968831]	2.0897	0.0000
ENSXETG00000002023	AHCYL1	adenosylhomocysteinase-like 1 [Source:Jamboree;Acc:XB-GENE-942022]	1.2416	0.0344
ENSXETG00000017280	ALG3	asparagine-linked glycosylation 3, alpha-1,3- mannosyltransferase homolog [Source:Jamboree;Acc:XB-GENE-986278]	1.4369	0.0005
ENSXETG00000001327	ANKFN1	ankyrin-repeat and fibronectin type III domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26766]	1.4980	0.0298
ENSXETG00000020302	ANKFN1	ankyrin-repeat and fibronectin type III domain containing 1 [Source:Jamboree;Acc:XB-GENE-6035383]	1.3475	0.0010
ENSXETG00000019117	ANKRD6	ankyrin repeat domain 6 [Source:Jamboree;Acc:XB-GENE-478656]	1.5343	0.0018
ENSXETG00000008496	ANO2	anoctamin 2 [Source:Jamboree;Acc:XB-GENE-981445]	2.2382	0.0240
ENSXETG00000015832	ANXA6	annexin A6 [Source:Jamboree;Acc:XB-GENE-989741]	1.5262	0.0002
ENSXETG00000002438	APCDD1L	adenomatosis polyposis coli down-regulated 1-like [Source:Jamboree;Acc:XB-GENE-6038851]	1.8040	0.0500
ENSXETG00000019317	APOE	apolipoprotein E [Source:Jamboree;Acc:XB-GENE-853213]	1.5555	0.0004
ENSXETG00000006200	ARHGAP24	Rho GTPase activating protein 24 [Source:Jamboree;Acc:XB-GENE-996257]	2.8160	0.0000
ENSXETG00000001880	ARHGAP26	Rho GTPase activating protein 26 [Source:Jamboree;Acc:XB-GENE-1011980]	1.7541	0.0000
ENSXETG00000005487	ARHGAP42	Rho GTPase activating protein 42 [Source:HGNC Symbol;Acc:HGNC:26545]	1.8161	0.0000
ENSXETG00000005342	ARHGAP6	Rho GTPase activating protein 6 [Source:Jamboree;Acc:XB-GENE-976843]	2.7763	0.0003
ENSXETG00000006227	ARHGEF25	Rho guanine nucleotide exchange factor (GEF) 25 [Source:Jamboree;Acc:XB-GENE-6084380]	1.3497	0.0049
ENSXETG00000012714	ARHGEF37	Rho guanine nucleotide exchange factor (GEF) 37 [Source:Jamboree;Acc:XB-GENE-988765]	1.3397	0.0040
ENSXETG00000005212	ARL8B	ADP-ribosylation factor-like 8B [Source:Jamboree;Acc:XB-GENE-490246]	1.2500	0.0261
ENSXETG00000005789	ASPA	aspartoacylase [Source:Jamboree;Acc:XB-GENE-1016250]	2.4011	0.0016
ENSXETG00000001347	ASS1	argininosuccinate synthase 1 [Source:Jamboree;Acc:XB-GENE-977784]	1.4681	0.0015
ENSXETG00000013734	ATP6V0D2	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d2 [Source:Jamboree;Acc:XB-GENE-957143]	2.5416	0.0232
ENSXETG00000004357	ATRN	attractin [Source:Jamboree;Acc:XB-GENE-953934]	1.2413	0.0261
ENSXETG00000017979	AVP	arginine vasopressin [Source:Jamboree;Acc:XB-GENE-478869]	1.6987	0.0237
ENSXETG00000023018	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) [Source:Jamboree;Acc:XB-GENE-5956386]	1.3720	0.0023
ENSXETG00000022850	BAG2	BCL2-associated athanogene 2 [Source:Jamboree;Acc:XB-GENE-966120]	2.1824	0.0477
ENSXETG00000010233	BAG3	BCL2-associated athanogene 3 [Source:Jamboree;Acc:XB-GENE-969277]	1.9592	0.0423
ENSXETG00000021585	BAIAP3	BAI1-associated protein 3 [Source:Jamboree;Acc:XB-GENE-956301]	1.2068	0.0428
ENSXETG00000004284	BDNF	brain-derived neurotrophic factor [Source:Jamboree;Acc:XB-GENE-955554]	1.4737	0.0001
ENSXETG00000005207	BHLHE40	basic helix-loop-helix family, member e40 [Source:Jamboree;Acc:XB-GENE-486416]	1.8885	0.0001
ENSXETG00000013316	BIRC7	baculoviral IAP repeat containing 7 [Source:Jamboree;Acc:XB-GENE-5914029]	1.9644	0.0386
ENSXETG00000010536	BMP1	bone morphogenetic protein 1 [Source:Jamboree;Acc:XB-GENE-479191]	1.5522	0.0000
ENSXETG00000008620	BMP4	bone morphogenetic protein 4 [Source:Jamboree;Acc:XB-GENE-483058]	1.5134	0.0141
ENSXETG00000024635	BMP6	bone morphogenetic protein 6 [Source:Jamboree;Acc:XB-GENE-479134]	2.2571	0.0180
ENSXETG00000011272	BMP7.1	bone morphogenetic protein 7, gene 1 [Source:Jamboree;Acc:XB-GENE-486014]	1.4438	0.0193
ENSXETG00000023616	BPGM	2,3-bisphosphoglycerate mutase [Source:Jamboree;Acc:XB-GENE-981498]	1.3582	0.0016
ENSXETG00000017011	BRCA2	breast cancer 2, early onset [Source:Jamboree;Acc:XB-GENE-6453899]	1.3418	0.0148
ENSXETG00000015033	BROX	BRO1 domain and CAAX motif containing [Source:Jamboree;Acc:XB-GENE-5745545]	1.3243	0.0218
ENSXETG00000019750	BRS3	bombesin-like receptor 3 [Source:Jamboree;Acc:XB-GENE-960289]	7.5445	0.0029
ENSXETG00000002336	BTBD3	BTB (POZ) domain containing 3 [Source:Jamboree;Acc:XB-GENE-975947]	1.3397	0.0004
ENSXETG00000024966	C10ORF54	chromosome 10 open reading frame 54 [Source:Jamboree;Acc:XB-GENE-946677]	1.6806	0.0204
ENSXETG00000017940	C11ORF41	chromosome 11 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-6258146]	1.3089	0.0015
ENSXETG00000006725	C11ORF66	chromosome 11 open reading frame 66 [Source:Jamboree;Acc:XB-GENE-961528]	2.5223	0.0000
ENSXETG00000010439	C11ORF73	chromosome 11 open reading frame 73 [Source:Jamboree;Acc:XB-GENE-967059]	1.4448	0.0001
ENSXETG00000006702	C11ORF9	chromosome 11 open reading frame 9 [Source:Jamboree;Acc:XB-GENE-1020968]	2.0809	0.0001
ENSXETG00000002534	C12ORF48	chromosome 12 open reading frame 48 [Source:Jamboree;Acc:XB-GENE-1004674]	1.9031	0.0074
ENSXETG00000018908	C13ORF15	chromosome 13 open reading frame 15 [Source:Jamboree;Acc:XB-GENE-1006063]	2.1639	0.0000
ENSXETG00000002421	C1ORF114	chromosome 1 open reading frame 114 [Source:Jamboree;Acc:XB-GENE-972794]	1.3434	0.0398
ENSXETG00000003175	C1QL1	complement component 1, q subcomponent-like 1 [Source:Jamboree;Acc:XB-GENE-962848]	2.3692	0.0000
ENSXETG00000007450	C1QL3	complement component 1, q subcomponent-like 3 [Source:Jamboree;Acc:XB-GENE-992410]	2.2729	0.0000
ENSXETG00000009708	C1QTNF9B	C1q and tumor necrosis factor related protein 9B [Source:Jamboree;Acc:XB-GENE-5889142]	1.5571	0.0010
ENSXETG00000012747	C20ORF27	chromosome 20 open reading frame 27 [Source:Jamboree;Acc:XB-GENE-5956504]	1.5212	0.0001
ENSXETG00000021314	C6ORF186	chromosome 6 open reading frame 186 [Source:Jamboree;Acc:XB-GENE-5957361]	2.1016	0.0278
ENSXETG00000023441	C7ORF16	chromosome 7 open reading frame 16 [Source:Jamboree;Acc:XB-GENE-947109]	1.7022	0.0011
ENSXETG00000004015	C7ORF52	chromosome 7 open reading frame 52 [Source:Jamboree;Acc:XB-GENE-5881951]	1.4834	0.0000
ENSXETG00000013740	CA2	carbonic anhydrase 2 [Source:Jamboree;Acc:XB-GENE-484348]	1.3304	0.0245
ENSXETG00000016422	CABP7	calcium binding protein 7 [Source:Jamboree;Acc:XB-GENE-951867]	1.4041	0.0017
ENSXETG00000006824	CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit [Source:Jamboree;Acc:XB-GENE-993391]	1.4283	0.0000

ENSXETG00000007868	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1 [Source:Jamboree;Acc:XB-GENE-964524]	1.2045	0.0429
ENSXETG00000022755	CACNB2	calcium channel, voltage-dependent, beta 2 subunit [Source:Jamboree;Acc:XB-GENE-962360]	1.3434	0.0007
ENSXETG00000022749	CADPS2	Ca++-dependent secretion activator 2 [Source:Jamboree;Acc:XB-GENE-6033825]	1.2560	0.0305
ENSXETG00000013895	CALCRL	calcitonin receptor-like [Source:Jamboree;Acc:XB-GENE-5736126]	1.2962	0.0232
ENSXETG00000015547	CAMK2D	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta [Source:Jamboree;Acc:XB-GENE-868293]	1.2814	0.0019
ENSXETG00000002754	CAMKMT	calmodulin-lysine N-methyltransferase [Source:Jamboree;Acc:XB-GENE-5848106]	1.3822	0.0092
ENSXETG00000023299	CAPN1	calpain 1, (mu/I) large subunit [Source:Jamboree;Acc:XB-GENE-990196]	1.3862	0.0105
ENSXETG00000011400	CASR	calcium-sensing receptor [Source:Jamboree;Acc:XB-GENE-6065247]	1.9921	0.0094
ENSXETG00000005556	CC2D1A	coiled-coil and C2 domain containing 1A [Source:Jamboree;Acc:XB-GENE-5799124]	1.3722	0.0447
ENSXETG00000020325	CC2D2A	coiled-coil and C2 domain containing 2A [Source:Jamboree;Acc:XB-GENE-5909177]	1.9313	0.0284
ENSXETG00000014950	CCDC136	coiled-coil domain containing 136 [Source:Jamboree;Acc:XB-GENE-5992991]	1.2642	0.0038
ENSXETG00000013925	CCDC147	coiled-coil domain containing 147 [Source:Jamboree;Acc:XB-GENE-5719803]	1.7380	0.0153
ENSXETG00000013442	CCDC30	coiled-coil domain containing 30 [Source:Jamboree;Acc:XB-GENE-1004904]	1.2871	0.0438
ENSXETG00000000355	CCK	cholecystokinin [Source:Jamboree;Acc:XB-GENE-495439]	1.3540	0.0341
ENSXETG00000020332	CD38	CD38 molecule [Source:Jamboree;Acc:XB-GENE-945949]	1.6233	0.0323
ENSXETG00000013234	CDC14A	CDC14 cell division cycle 14 homolog A [Source:Jamboree;Acc:XB-GENE-960625]	1.8569	0.0145
ENSXETG00000022112	CDC42BPA	CDC42 binding protein kinase alpha (DMPK-like) [Source:Jamboree;Acc:XB-GENE-6037508]	1.2008	0.0464
ENSXETG00000022051	CDC42SE2	CDC42 small effector 2 [Source:Jamboree;Acc:XB-GENE-5744421]	1.4085	0.0008
ENSXETG00000006627	CDH13	cadherin 13, H-cadherin (heart) [Source:Jamboree;Acc:XB-GENE-5752189]	1.2151	0.0182
ENSXETG00000015623	CDH19	cadherin 19, type 2 [Source:Jamboree;Acc:XB-GENE-6045915]	1.7745	0.0096
ENSXETG00000025992	CDH3	cadherin 3, type 1, P-cadherin (placental) [Source:Jamboree;Acc:XB-GENE-482277]	2.6281	0.0000
ENSXETG00000020131	CDH9	cadherin 9, type 2 (T1-cadherin) [Source:Jamboree;Acc:XB-GENE-6039319]	1.6013	0.0006
ENSXETG00000019629	CDHR2	cadherin-related family member 2 [Source:Jamboree;Acc:XB-GENE-1004777]	1.6444	0.0363
ENSXETG00000027359	CDK5RAP3	CDK5 regulatory subunit associated protein 3 [Source:Jamboree;Acc:XB-GENE-1005961]	1.3667	0.0223
ENSXETG00000024887	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1) [Source:Jamboree;Acc:XB-GENE-487802]	1.6931	0.0022
ENSXETG00000021069	CEP135	centrosomal protein 135kDa [Source:Jamboree;Acc:XB-GENE-966019]	1.2073	0.0456
ENSXETG00000024528	CFAP70	cilia and flagella associated protein 70 [Source:HGNC Symbol;Acc:HGNC:30726]	1.6380	0.0004
ENSXETG00000006832	CHAD	chondroadherin [Source:Jamboree;Acc:XB-GENE-957654]	1.3892	0.0001
ENSXETG00000022956	CHCHD10	coiled-coil-helix-coiled-coil-helix domain containing 10 [Source:Jamboree;Acc:XB-GENE-5962008]	1.4920	0.0056
ENSXETG00000012047	CHN2	chimerin (chimaerin) 2 [Source:Jamboree;Acc:XB-GENE-950874]	1.2481	0.0378
ENSXETG00000016395	CHRNA7	cholinergic receptor, nicotinic, alpha 7 [Source:Jamboree;Acc:XB-GENE-990456]	1.3029	0.0166
ENSXETG00000012183	CIT	citron (rho-interacting, serine/threonine kinase 21) [Source:Jamboree;Acc:XB-GENE-981097]	1.2464	0.0110
ENSXETG00000000506	CLCA1	chloride channel accessory 1 [Source:Jamboree;Acc:XB-GENE-6043674]	3.2195	0.0169
ENSXETG00000007574	CLDN7	claudin 7 [Source:Jamboree;Acc:XB-GENE-5786134]	1.6357	0.0011
ENSXETG00000021064	CLOCK	clock homolog [Source:Jamboree;Acc:XB-GENE-495448]	1.2530	0.0319
ENSXETG00000013750	CNGB1	cyclic nucleotide gated channel beta 1 [Source:Jamboree;Acc:XB-GENE-980342]	1.4099	0.0066
ENSXETG00000010286	CNKSR2	connector enhancer of kinase suppressor of Ras 2 [Source:Jamboree;Acc:XB-GENE-490704]	1.4221	0.0109
ENSXETG00000018427	CNNM1	cyclin M1 [Source:Jamboree;Acc:XB-GENE-989587]	1.3401	0.0210
ENSXETG00000020201	CNTNAP1	contactin associated protein 1 [Source:Jamboree;Acc:XB-GENE-963972]	1.5852	0.0000
ENSXETG00000019807	CNTRL	centriolin [Source:Jamboree;Acc:XB-GENE-959037]	1.5327	0.0078
ENSXETG00000003603	COL12A1	collagen, type XII, alpha 1 [Source:Jamboree;Acc:XB-GENE-1012295]	1.9831	0.0000
ENSXETG00000003092	COL24A1	collagen, type XXIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-980334]	1.8330	0.0015
ENSXETG00000021097	COL25A1.2	collagen, type XXV, alpha 1, gene 2 [Source:RefSeq peptide;Acc:NP_001123747]	1.2413	0.0263
ENSXETG00000021972	COL27A1	collagen, type XXVII, alpha 1 [Source:Jamboree;Acc:XB-GENE-6032747]	1.8149	0.0000
ENSXETG00000011486	COL6A1	collagen, type VI, alpha 1 [Source:Jamboree;Acc:XB-GENE-998856]	1.5938	0.0016
ENSXETG00000025308	CORO2B	coronin, actin binding protein, 2B [Source:Jamboree;Acc:XB-GENE-1014762]	1.5733	0.0000
ENSXETG00000021136	CPLX3	complexin 3 [Source:Jamboree;Acc:XB-GENE-978410]	1.6590	0.0003
ENSXETG00000005305	CRHR1.2	corticotropin releasing hormone receptor 1, gene 2 [Source:Jamboree;Acc:XB-GENE-968267]	1.4191	0.0008
ENSXETG00000024478	CRIP1	cysteine-rich protein 1 (intestinal) [Source:Jamboree;Acc:XB-GENE-953194]	1.3193	0.0043
ENSXETG00000025547	CRYGC	crystallin, gamma C [Source:Jamboree;Acc:XB-GENE-954819]	2.7329	0.0000
ENSXETG00000007710	CSMD1	CUB and Sushi multiple domains 1 [Source:HGNC Symbol;Acc:HGNC:14026]	1.4535	0.0021
ENSXETG00000007899	CXCL14	chemokine (C-X-C motif) ligand 14 [Source:Jamboree;Acc:XB-GENE-944199]	1.4817	0.0003
ENSXETG00000020758	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-953895]	3.0510	0.0000
ENSXETG00000005360	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5 [Source:Jamboree;Acc:XB-GENE-5821575]	1.5374	0.0476
ENSXETG00000003885	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2 [Source:Jamboree;Acc:XB-GENE-6258041]	3.7689	0.0000
ENSXETG00000024063	CYTH3	cytohesin 3 [Source:Jamboree;Acc:XB-GENE-941327]	1.2251	0.0261
ENSXETG00000000667	DAB2IP	DAB2 interacting protein [Source:HGNC Symbol;Acc:HGNC:17294]	1.2398	0.0379
ENSXETG00000023110	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase) [Source:Jamboree;Acc:XB-GENE-959495]	1.9068	0.0000
ENSXETG00000003160	DBP	D site of albumin promoter (albumin D-box) binding protein [Source:Jamboree;Acc:XB-GENE-5995286]	1.9051	0.0000
ENSXETG00000001810	DCHS2	dachsous 2 [Source:Jamboree;Acc:XB-GENE-6048959]	1.7659	0.0000
ENSXETG00000012858	DEGS3	degenerative spermatocyte homolog 3, lipid desaturase [Source:Jamboree;Acc:XB-GENE-5801015]	3.6398	0.0007
ENSXETG00000021454	DENND2C	DENN/MADD domain containing 2C [Source:Jamboree;Acc:XB-GENE-5955506]	1.8150	0.0474
ENSXETG00000014264	DFNB31	deafness, autosomal recessive 31 [Source:Jamboree;Acc:XB-GENE-989669]	1.6363	0.0000
ENSXETG00000025317	DGAT2	diacylglycerol O-acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-1017054]	1.8747	0.0000
ENSXETG00000001324	DGKE	diacylglycerol kinase, epsilon 64kDa [Source:Jamboree;Acc:XB-GENE-990685]	1.4450	0.0000
ENSXETG00000006052	DHRS7B	dehydrogenase/reductase (SDR family) member 7B [Source:Jamboree;Acc:XB-GENE-946473]	1.5587	0.0001
ENSXETG00000024414	DIO3	deiodinase, iodothyronine, type 3 [Source:Jamboree;Acc:XB-GENE-487490]	12.6599	0.0000
ENSXETG00000010185	DIXDC1	DIX domain containing 1 [Source:Jamboree;Acc:XB-GENE-6039929]	1.3995	0.0001
ENSXETG00000012737	DLG2	discs, large homolog 2 [Source:Jamboree;Acc:XB-GENE-940638]	1.6318	0.0000
ENSXETG00000018553	DNAH14	dynein, axonemal, heavy chain 14 [Source:Jamboree;Acc:XB-GENE-5960869]	1.7862	0.0002
ENSXETG00000013144	DNAJB4	DnaJ (Hsp40) homolog, subfamily B, member 4 [Source:Jamboree;Acc:XB-GENE-1007708]	1.4578	0.0127
ENSXETG00000014155	DNAJB5	DnaJ (Hsp40) homolog, subfamily B, member 5 [Source:Jamboree;Acc:XB-GENE-995211]	1.7470	0.0383
ENSXETG00000019922	DOCK2	dedicator of cytokinesis 2 [Source:Jamboree;Acc:XB-GENE-990617]	1.3243	0.0250
ENSXETG00000000074	DOCK3	dedicator of cytokinesis 3 [Source:Jamboree;Acc:XB-GENE-855883]	1.4054	0.0000
ENSXETG00000009251	DOCK4	dedicator of cytokinesis 4 [Source:Jamboree;Acc:XB-GENE-489778]	1.2391	0.0270
ENSXETG00000016031	EDAR	ectodysplasin A receptor [Source:Jamboree;Acc:XB-GENE-945379]	2.0734	0.0406
ENSXETG00000018387	EDNRB2	endothelin receptor B subtype 2 [Source:Jamboree;Acc:XB-GENE-1219159]	1.5148	0.0063
ENSXETG00000004863	EFCAB6	EF-hand calcium binding domain 6 [Source:Jamboree;Acc:XB-GENE-996672]	2.0677	0.0000
ENSXETG00000013467	EFHD2	EF-hand domain family, member D2 [Source:Jamboree;Acc:XB-GENE-954641]	1.6014	0.0001
ENSXETG00000023031	EFR3A	EFR3 homolog A [Source:Jamboree;Acc:XB-GENE-493102]	1.3640	0.0006
ENSXETG00000000762	EGFL7	EGF-like-domain, multiple 7 [Source:Jamboree;Acc:XB-GENE-491413]	1.4093	0.0347
ENSXETG00000019012	ELMOD3	ELMO/CED-12 domain containing 3 [Source:Jamboree;Acc:XB-GENE-999400]	1.3625	0.0335
ENSXETG00000020214	ENGASE	endo-beta-N-acetylglucosaminidase [Source:Jamboree;Acc:XB-GENE-981873]	1.4249	0.0010
ENSXETG00000019612	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2 [Source:Jamboree;Acc:XB-GENE-5810181]	1.5232	0.0285
ENSXETG00000022015	ENTPD3	ectonucleoside triphosphate diphosphohydrolase 3 [Source:Jamboree;Acc:XB-GENE-1012972]	1.4415	0.0064
ENSXETG00000026167	EPAS1	endothelial PAS domain protein 1 [Source:Jamboree;Acc:XB-GENE-981612]	1.7453	0.0001
ENSXETG00000000351	EPDR1	ependymin related protein 1 [Source:Jamboree;Acc:XB-GENE-946605]	1.3981	0.0367
ENSXETG00000017584	EPHA6	EPH receptor A6 [Source:Jamboree;Acc:XB-GENE-6032564]	1.6231	0.0000
ENSXETG00000012364	ESR1	estrogen receptor 1 [Source:Jamboree;Acc:XB-GENE-482193]	5.8595	0.0078
ENSXETG00000023724	ETS2	v-ets erythroblastosis virus E26 oncogene homolog 2 [Source:Jamboree;Acc:XB-GENE-6084129]	1.5267	0.0008
ENSXETG00000005062	ETV1	ets variant 1 [Source:Jamboree;Acc:XB-GENE-489879]	1.2258	0.0297
ENSXETG00000007676	FA2H	fatty acid 2-hydroxylase [Source:Jamboree;Acc:XB-GENE-1014400]	2.0686	0.0001
ENSXETG00000020393	FAIM2	Fas apoptotic inhibitory molecule 2 [Source:Jamboree;Acc:XB-GENE-953203]	1.5242	0.0000
ENSXETG00000008652	FAM107A	family with sequence similarity 107, member A [Source:Jamboree;Acc:XB-GENE-986180]	1.5365	0.0000
ENSXETG00000016766	FAM110C	family with sequence similarity 110, member C [Source:Jamboree;Acc:XB-GENE-7007322]	1.3336	0.0035
ENSXETG00000010539	FAM160B2	family with sequence similarity 160, member B2 [Source:Jamboree;Acc:XB-GENE-5801105]	1.4304	0.0038
ENSXETG00000025405	FAM196B	family with sequence similarity 196, member B [Source:HGNC Symbol;Acc:HGNC:37271]	1.3317	0.0250
ENSXETG00000018685	FAM46A	family with sequence similarity 46, member A [Source:Jamboree;Acc:XB-GENE-5843475]	1.3270	0.0381
ENSXETG00000014815	FAM65B	family with sequence similarity 65, member B [Source:Jamboree;Acc:XB-GENE-5965443]	2.0433	0.0000
ENSXETG00000023002	FAM69A	family with sequence similarity 69, member A [Source:Jamboree;Acc:XB-GENE-951303]	1.3013	0.0418
ENSXETG00000022667	FAM83G	family with sequence similarity 83, member G [Source:Jamboree;Acc:XB-GENE-6258742]	2.6701	0.0000
ENSXETG00000022551	FANK1	fibronectin type III and ankyrin repeat domains 1 [Source:Jamboree;Acc:XB-GENE-6084370]	1.8873	0.0000
ENSXETG00000023228	FBXO32	F-box protein 32 [Source:Jamboree;Acc:XB-GENE-959057]	1.3092	0.0136
ENSXETG00000016431	FCHO1	FCH domain only 1 [Source:Jamboree;Acc:XB-GENE-5946032]	1.3953	0.0004
ENSXETG00000015460	FES	feline sarcoma oncogene [Source:Jamboree;Acc:XB-GENE-6067138]	1.6680	0.0041
ENSXETG00000019566	FGF1	fibroblast growth factor 1 (acidic) [Source:Jamboree;Acc:XB-GENE-485966]	2.6521	0.0000

ENSXETG00000002144	FGF12	fibroblast growth factor 12 [Source:Jamboree;Acc:XB-GENE-479999]	1.3226	0.0033
ENSXETG00000008887	FGGY	FGGY carbohydrate kinase domain containing [Source:Jamboree;Acc:XB-GENE-5811009]	1.3619	0.0243
ENSXETG00000010247	FOXG1	forkhead box G1 [Source:Jamboree;Acc:XB-GENE-480076]	7.6773	0.0000
ENSXETG00000016048	FOXO1	forkhead box O1 [Source:Jamboree;Acc:XB-GENE-482528]	1.3729	0.0157
ENSXETG00000021565	FOXR1	forkhead box R1 [Source:Jamboree;Acc:XB-GENE-484980]	1.3699	0.0021
ENSXETG00000000377	FRAS1	Fraser syndrome 1 [Source:Jamboree;Acc:XB-GENE-478807]	1.4706	0.0012
ENSXETG00000005416	FRMD7	FERM domain containing 7 [Source:Jamboree;Acc:XB-GENE-6041331]	2.4818	0.0232
ENSXETG00000005344	FRMPD4	FERM and PDZ domain containing 4 [Source:Jamboree;Acc:XB-GENE-6050308]	1.2761	0.0076
ENSXETG00000016103	FSD2	fibronectin type 3 and SPRY domain containing 2 [Source:Jamboree;Acc:XB-GENE-487381]	1.8519	0.0134
ENSXETG00000009786	FUCA2	fucosidase, alpha-L- 2, plasma [Source:Jamboree;Acc:XB-GENE-945131]	1.3173	0.0267
ENSXETG00000026514	FXYD1	FXYD domain containing ion transport regulator 1 [Source:Jamboree;Acc:XB-GENE-5747387]	1.8713	0.0003
ENSXETG00000010452	GAB2	GRB2-associated binding protein 2 [Source:Jamboree;Acc:XB-GENE-494700]	1.3541	0.0404
ENSXETG00000008421	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2 [Source:Jamboree;Acc:XB-GENE-1000398]	1.2076	0.0265
ENSXETG00000026517	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa) [Source:Jamboree;Acc:XB-GENE-976598]	1.2338	0.0091
ENSXETG00000021716	GALNT13	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13) [Source:Jamboree;Acc:XB-GENE-1012445]	1.2896	0.0111
ENSXETG00000017916	GALNTL1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1 [Source:Jamboree;Acc:XB-GENE-986567]	1.2487	0.0082
ENSXETG00000014693	GALR1	galanin receptor 1 [Source:Jamboree;Acc:XB-GENE-5797254]	1.4724	0.0374
ENSXETG00000002603	GAS2	growth arrest-specific 2 [Source:Jamboree;Acc:XB-GENE-923037]	1.7080	0.0392
ENSXETG00000013828	GAS6	growth arrest-specific 6 [Source:Jamboree;Acc:XB-GENE-5821261]	1.4978	0.0462
ENSXETG00000005421	GCGR	glucagon receptor [Source:Jamboree;Acc:XB-GENE-5918476]	5.3078	0.0057
ENSXETG00000016009	GCLC	glutamate-cysteine ligase, catalytic subunit [Source:Jamboree;Acc:XB-GENE-1002435]	1.3414	0.0288
ENSXETG00000001073	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group) [Source:Jamboree;Acc:XB-GENE-490633]	2.1068	0.0000
ENSXETG00000011959	GDF10	growth differentiation factor 10 [Source:Jamboree;Acc:XB-GENE-5998698]	2.5020	0.0467
ENSXETG00000013148	GIPC2	GIPC PDZ domain containing family, member 2 [Source:Jamboree;Acc:XB-GENE-946803]	2.3496	0.0004
ENSXETG00000025411	GJA1	gap junction protein, alpha 1, 43kDa [Source:Jamboree;Acc:XB-GENE-876602]	2.2311	0.0000
ENSXETG00000026112	GJB2	gap junction protein, beta 2, 26kDa [Source:Jamboree;Acc:XB-GENE-955798]	3.6286	0.0015
ENSXETG00000020767	GLDN	gliomedin [Source:Jamboree;Acc:XB-GENE-1004090]	2.2376	0.0397
ENSXETG00000019533	GLRB	glycine receptor, beta [Source:Jamboree;Acc:XB-GENE-1011734]	1.2062	0.0485
ENSXETG00000014183	GMPR	guanosine monophosphate reductase [Source:Jamboree;Acc:XB-GENE-982176]	1.1903	0.0435
ENSXETG00000010147	GNRH1	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) [Source:Jamboree;Acc:XB-GENE-960286]	3.4078	0.0008
ENSXETG00000021597	GPER	G protein-coupled estrogen receptor 1 [Source:Jamboree;Acc:XB-GENE-1006475]	1.5967	0.0334
ENSXETG00000009348	GPR133	G protein-coupled receptor 133 [Source:Jamboree;Acc:XB-GENE-980829]	2.4133	0.0000
ENSXETG00000021596	GPR146	G protein-coupled receptor 146 [Source:Jamboree;Acc:XB-GENE-956306]	1.4529	0.0235
ENSXETG00000009569	GPR26	G protein-coupled receptor 26 [Source:Jamboree;Acc:XB-GENE-990649]	1.3877	0.0446
ENSXETG00000015416	GPR78	G protein-coupled receptor 78 [Source:Jamboree;Acc:XB-GENE-5799776]	1.2348	0.0333
ENSXETG00000013240	GPR88	G protein-coupled receptor 88 [Source:Jamboree;Acc:XB-GENE-984668]	1.8768	0.0317
ENSXETG00000018095	GREM1	gremlin 1 [Source:Jamboree;Acc:XB-GENE-484543]	3.5828	0.0210
ENSXETG00000021373	GRIA4	glutamate receptor, ionotrophic, AMPA 4 [Source:Jamboree;Acc:XB-GENE-5838893]	1.3134	0.0022
ENSXETG00000006844	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C [Source:Jamboree;Acc:XB-GENE-993386]	1.5693	0.0470
ENSXETG00000000130	GSG1L	GSG1-like [Source:Jamboree;Acc:XB-GENE-5832503]	1.6213	0.0000
ENSXETG00000022399	GUCY1B3	guanylate cyclase 1, soluble, beta 3 [Source:Jamboree;Acc:XB-GENE-950986]	1.2170	0.0276
ENSXETG00000010782	GULP1	GULP, engulfment adaptor PTB domain containing 1 [Source:Jamboree;Acc:XB-GENE-968617]	1.4025	0.0098
ENSXETG00000005003	GYG2	glycogenin 2 [Source:Jamboree;Acc:XB-GENE-5854708]	1.3949	0.0045
ENSXETG00000019797	HAPLN1	hyaluronan and proteoglycan link protein 1 [Source:Jamboree;Acc:XB-GENE-6037477]	1.7132	0.0001
ENSXETG00000014330	HAPLN4	hyaluronan and proteoglycan link protein 4 [Source:Jamboree;Acc:XB-GENE-922316]	1.8970	0.0222
ENSXETG00000017714	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1 [Source:Jamboree;Acc:XB-GENE-950265]	1.5524	0.0000
ENSXETG00000001622	HCRTR2	hypocretin (orexin) receptor 2 [Source:Jamboree;Acc:XB-GENE-952341]	1.4114	0.0000
ENSXETG00000023477	HDHD3	haloacid dehalogenase-like hydrolase domain containing 3 [Source:Jamboree;Acc:XB-GENE-969463]	1.4411	0.0002
ENSXETG00000003936	HEPACAM	hepatic and glial cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-6051119]	1.3554	0.0055
ENSXETG00000006167	HHATL	hedgehog acyltransferase-like [Source:Jamboree;Acc:XB-GENE-5744180]	2.0342	0.0088
ENSXETG00000019639	HK2	hexokinase 2 [Source:Jamboree;Acc:XB-GENE-5817381]	2.0298	0.0069
ENSXETG00000004316	HLF	hepatic leukemia factor [Source:Jamboree;Acc:XB-GENE-955698]	1.5880	0.0001
ENSXETG00000001353	HMCN2	hemicentin 2 [Source:Jamboree;Acc:XB-GENE-6034990]	1.6005	0.0003
ENSXETG00000007070	HMGCLL1	3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1 [Source:Jamboree;Acc:XB-GENE-952336]	1.4270	0.0000
ENSXETG00000014875	HNMT	histamine N-methyltransferase [Source:Jamboree;Acc:XB-GENE-1001069]	1.3849	0.0092
ENSXETG00000001001	HPCA	hippocalcin [Source:Jamboree;Acc:XB-GENE-491920]	1.2847	0.0323
ENSXETG00000004411	HSD17B6	hydroxysteroid (17-beta) dehydrogenase 6 homolog [Source:Jamboree;Acc:XB-GENE-5821225]	2.1286	0.0000
ENSXETG00000010251	HSP90AA1.1	heat shock protein 90kDa alpha (cytosolic), class A member 1, gene 1 [Source:Jamboree;Acc:XB-GENE-495303]	1.2454	0.0290
ENSXETG00000014317	HSPA12A	heat shock 70kDa protein 12A [Source:Jamboree;Acc:XB-GENE-959285]	1.3240	0.0081
ENSXETG00000004097	HSPA1A	heat shock 70kDa protein 1A [Source:Jamboree;Acc:XB-GENE-5842877]	1.3889	0.0011
ENSXETG00000022536	HSPA2	heat shock 70kDa protein 2 [Source:Jamboree;Acc:XB-GENE-992125]	1.9099	0.0038
ENSXETG00000014812	HTR1A	5-hydroxytryptamine (serotonin) receptor 1A [Source:Jamboree;Acc:XB-GENE-984750]	1.5445	0.0023
ENSXETG00000015580	HTRA1	HtrA serine peptidase 1 [Source:Jamboree;Acc:XB-GENE-487699]	1.8409	0.0000
ENSXETG00000026411	IFFO1	intermediate filament family orphan 1 [Source:Jamboree;Acc:XB-GENE-940026]	1.2503	0.0386
ENSXETG00000019875	IGFBP2	insulin-like growth factor binding protein 2, 36kDa [Source:Jamboree;Acc:XB-GENE-487299]	1.4736	0.0081
ENSXETG00000019879	IGFBP5	insulin-like growth factor binding protein 5 [Source:Jamboree;Acc:XB-GENE-485073]	1.3856	0.0326
ENSXETG00000005423	IL13RA1	interleukin 13 receptor, alpha 1 [Source:HGNC Symbol;Acc:HGNC:5974]	2.2473	0.0000
ENSXETG00000001861	INHBA	inhibin, beta A [Source:HGNC Symbol;Acc:HGNC:6066]	2.8798	0.0000
ENSXETG00000017149	INHBC.1	inhibin, beta C, gene 1 [Source:Jamboree;Acc:XB-GENE-494358]	2.1423	0.0195
ENSXETG00000016154	INPP5J	inositol polyphosphate-5-phosphatase J [Source:Jamboree;Acc:XB-GENE-984978]	1.2587	0.0149
ENSXETG00000002917	INSM2	insulinoma-associated 2 [Source:Jamboree;Acc:XB-GENE-986609]	1.7238	0.0467
ENSXETG00000018674	IRF6	interferon regulatory factor 6 [Source:Jamboree;Acc:XB-GENE-876410]	1.9275	0.0006
ENSXETG00000007816	ITGA11	integrin, alpha 11 [Source:Jamboree;Acc:XB-GENE-483822]	1.9946	0.0142
ENSXETG00000001865	ITIH5	inter-alpha (globulin) inhibitor H5 [Source:Jamboree;Acc:XB-GENE-1010496]	2.2587	0.0013
ENSXETG00000002921	ITPKA	inositol-trisphosphate 3-kinase A [Source:Jamboree;Acc:XB-GENE-986593]	2.2485	0.0013
ENSXETG00000022603	ITPKB	inositol-trisphosphate 3-kinase B [Source:Jamboree;Acc:XB-GENE-992196]	1.5275	0.0256
ENSXETG00000005153	ITPR1	inositol 1,4,5-trisphosphate receptor, type 1 [Source:Jamboree;Acc:XB-GENE-920765]	1.2729	0.0083
ENSXETG00000016448	ITPR2	inositol 1,4,5-trisphosphate receptor, type 2 [Source:Jamboree;Acc:XB-GENE-877157]	1.4730	0.0211
ENSXETG00000010199	JUND.2	jun D proto-oncogene, gene 2 [Source:Jamboree;Acc:XB-GENE-1021801]	1.4363	0.0044
ENSXETG00000013469	KAZN	kazrin, periplakin interacting protein [Source:Jamboree;Acc:XB-GENE-1012688]	1.2370	0.0160
ENSXETG00000018247	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4 [Source:Jamboree;Acc:XB-GENE-492827]	1.5014	0.0002
ENSXETG00000012263	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1 [Source:Jamboree;Acc:XB-GENE-950688]	1.8186	0.0002
ENSXETG00000002027	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4 [Source:Jamboree;Acc:XB-GENE-6032635]	1.3050	0.0149
ENSXETG00000003508	KCNF1	potassium voltage-gated channel, subfamily F, member 1 [Source:Jamboree;Acc:XB-GENE-979363]	1.3725	0.0034
ENSXETG00000012308	KCNG1	potassium voltage-gated channel, subfamily G, member 1 [Source:Jamboree;Acc:XB-GENE-1011042]	1.5078	0.0001
ENSXETG00000000858	KCNG2	potassium voltage-gated channel, subfamily G, member 2 [Source:Jamboree;Acc:XB-GENE-954003]	1.6639	0.0020
ENSXETG00000019842	KCNJ10	potassium inwardly-rectifying channel, subfamily J, member 10 [Source:Jamboree;Acc:XB-GENE-5777345]	1.3434	0.0247
ENSXETG00000011382	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4 [Source:Jamboree;Acc:XB-GENE-1016303]	1.5036	0.0021
ENSXETG00000002262	KCNT1	potassium channel, subfamily T, member 1 [Source:RefSeq peptide;Acc:NP_001072365]	1.3210	0.0029
ENSXETG00000003449	KCNT1	potassium channel, subfamily T, member 1 [Source:Jamboree;Acc:XB-GENE-5993003]	1.5001	0.0403
ENSXETG00000015471	KCTD12	potassium channel tetramerisation domain containing 12 [Source:Jamboree;Acc:XB-GENE-998762]	1.2053	0.0334
ENSXETG00000010449	KCTD14	potassium channel tetramerisation domain containing 14 [Source:Jamboree;Acc:XB-GENE-5816880]	1.7476	0.0119
ENSXETG00000017409	KIAA0513	KIAA0513 [Source:Jamboree;Acc:XB-GENE-5956311]	1.2739	0.0103
ENSXETG00000012981	KIAA1199	KIAA1199 [Source:Jamboree;Acc:XB-GENE-6048265]	1.2944	0.0149
ENSXETG00000005906	KIAA1217	KIAA1217 [Source:Jamboree;Acc:XB-GENE-6048493]	1.4860	0.0002
ENSXETG00000005739	KLF4	Kruppel-like factor 4 (gut) [Source:Jamboree;Acc:XB-GENE-1015049]	1.5877	0.0181
ENSXETG00000019051	KLF9	Kruppel-like factor 9 [Source:Jamboree;Acc:XB-GENE-483889]	2.3876	0.0003
ENSXETG00000008873	KNDC1	kinase non-catalytic C-lobe domain (KIND) containing 1 [Source:Jamboree;Acc:XB-GENE-6258227]	1.3283	0.0107
ENSXETG00000007336	LAMA4	laminin, alpha 4 [Source:Jamboree;Acc:XB-GENE-1004770]	2.1434	0.0000
ENSXETG00000008622	LAMB2	laminin, beta 2 (laminin S) [Source:Jamboree;Acc:XB-GENE-5935962]	2.0548	0.0000
ENSXETG00000002120	LGI2	leucine-rich repeat LGI family, member 2 [Source:Jamboree;Acc:XB-GENE-995134]	1.4473	0.0035
ENSXETG00000016869	LGI4	leucine-rich repeat LGI family, member 4 [Source:Jamboree;Acc:XB-GENE-1013883]	1.9789	0.0032
ENSXETG00000016325	LHX6	LIM homeobox 6 [Source:Jamboree;Acc:XB-GENE-493341]	2.4479	0.0000

ENSXETG00000002992	LHX8	LIM homeobox 8 [Source:Jamboree;Acc:XB-GENE-494997]	3.5678	0.0027
ENSXETG00000002132	LINGO4	leucine rich repeat and Ig domain containing 4 [Source:Jamboree;Acc:XB-GENE-6464195]	2.1092	0.0265
ENSXETG00000021134	LMAN1L	lectin, mannose-binding, 1 like [Source:Jamboree;Acc:XB-GENE-5754170]	7.3829	0.0008
ENSXETG00000011184	LMBR1L	limb region 1 homolog-like [Source:Jamboree;Acc:XB-GENE-5859052]	1.2760	0.0245
ENSXETG00000023295	LMO4.1	LIM domain only 4, gene 1 [Source:Jamboree;Acc:XB-GENE-971939]	1.2747	0.0175
ENSXETG00000015828	LOXL4	lysyl oxidase-like 4 [Source:Jamboree;Acc:XB-GENE-988332]	1.3030	0.0325
ENSXETG00000001617	LPIN2	lipin 2 [Source:Jamboree;Acc:XB-GENE-1032006]	1.3706	0.0043
ENSXETG00000008215	LPPR4	lipid phosphate phosphatase-related protein type 4 [Source:Jamboree;Acc:XB-GENE-976836]	1.4384	0.0068
ENSXETG00000008604	LPPR5	lipid phosphate phosphatase-related protein type 5 [Source:Jamboree;Acc:XB-GENE-983941]	1.2844	0.0113
ENSXETG00000011477	LRCH1	leucine-rich repeats and calponin homology (CH) domain containing 1 [Source:Jamboree;Acc:XB-GENE-6033840]	1.6014	0.0000
ENSXETG00000009181	LRRC2	leucine rich repeat containing 2 [Source:Jamboree;Acc:XB-GENE-962135]	2.8177	0.0261
ENSXETG00000009217	LRRC34	leucine rich repeat containing 34 [Source:Jamboree;Acc:XB-GENE-998066]	1.4734	0.0017
ENSXETG00000012373	LRRC7	leucine rich repeat containing 7 [Source:Jamboree;Acc:XB-GENE-956973]	1.4568	0.0003
ENSXETG00000003943	LRSAM1	leucine rich repeat and sterile alpha motif containing 1 [Source:Jamboree;Acc:XB-GENE-994894]	1.3639	0.0041
ENSXETG00000016474	LZTS1	leucine zipper, putative tumor suppressor 1 [Source:Jamboree;Acc:XB-GENE-960311]	1.6091	0.0000
ENSXETG00000008234	MAG	myelin associated glycoprotein [Source:Jamboree;Acc:XB-GENE-6462484]	1.9314	0.0000
ENSXETG00000003692	MAN1C1	mannosidase, alpha, class 1C, member 1 [Source:Jamboree;Acc:XB-GENE-6076350]	1.2377	0.0404
ENSXETG00000011609	MAN2B2	mannosidase, alpha, class 2B, member 2 [Source:Jamboree;Acc:XB-GENE-1006292]	1.9575	0.0002
ENSXETG00000004849	MAOA	monoamine oxidase A [Source:Jamboree;Acc:XB-GENE-5749883]	2.6530	0.0014
ENSXETG00000017063	MARCH1	membrane-associated ring finger (C3HC4) 1 [Source:Jamboree;Acc:XB-GENE-486265]	1.3787	0.0401
ENSXETG00000022834	MATN4	matrilin 4 [Source:Jamboree;Acc:XB-GENE-990978]	4.2534	0.0000
ENSXETG00000010788	MBP	myelin basic protein [Source:Jamboree;Acc:XB-GENE-959616]	1.2688	0.0043
ENSXETG00000021591	MCAM	melanoma cell adhesion molecule [Source:Jamboree;Acc:XB-GENE-1002617]	1.7749	0.0000
ENSXETG00000018322	MCF2	MCF.2 cell line derived transforming sequence [Source:Jamboree;Acc:XB-GENE-949776]	1.7787	0.0000
ENSXETG00000013380	MCTP1	multiple C2 domains, transmembrane 1 [Source:Jamboree;Acc:XB-GENE-5812768]	1.6365	0.0000
ENSXETG00000024140	MCTP2	multiple C2 domains, transmembrane 2 [Source:Jamboree;Acc:XB-GENE-983153]	1.6752	0.0011
ENSXETG00000020378	MEF2D	myocyte enhancer factor 2D [Source:Jamboree;Acc:XB-GENE-483879]	1.3361	0.0017
ENSXETG00000015852	MEGF11	multiple EGF-like-domains 11 [Source:Jamboree;Acc:XB-GENE-6045392]	1.2607	0.0284
ENSXETG00000013781	MERTK	c-mer proto-oncogene tyrosine kinase [Source:Jamboree;Acc:XB-GENE-493221]	1.8482	0.0000
ENSXETG00000007534	METAP1D	methionyl aminopeptidase type 1D (mitochondrial) [Source:Jamboree;Acc:XB-GENE-960806]	1.7023	0.0142
ENSXETG00000017772	MFGE8	milk fat globule-EGF factor 8 protein [Source:Jamboree;Acc:XB-GENE-853465]	1.2651	0.0306
ENSXETG00000018209	MFSD2B	major facilitator superfamily domain-containing protein 2b [Source:Jamboree;Acc:XB-GENE-6044470]	3.5828	0.0000
ENSXETG00000010457	MGC89174	MGC89174 protein [Source:RefSeq peptide;Acc:NP_001005050]	5.3970	0.0253
ENSXETG00000001756	MICAL3	microtubule associated monoxygenase, calponin and LIM domain containing 3 [Source:Jamboree;Acc:XB-GENE-996271]	1.2646	0.0239
ENSXETG00000015658	MICALCL	MICAL C-terminal like [Source:Jamboree;Acc:XB-GENE-959788]	1.8057	0.0150
ENSXETG00000000154	MITF	microphthalmia-associated transcription factor [Source:Jamboree;Acc:XB-GENE-484962]	1.4306	0.0341
ENSXETG00000010993	MKL2	MKL/myocardin-like 2 [Source:Jamboree;Acc:XB-GENE-487634]	1.6557	0.0000
ENSXETG00000021243	MMEL1	membrane metallo-endopeptidase-like 1 [Source:Jamboree;Acc:XB-GENE-991673]	1.5454	0.0023
ENSXETG00000016326	MORN5	MORN repeat containing 5 [Source:Jamboree;Acc:XB-GENE-958918]	2.2847	0.0000
ENSXETG00000015590	MPP1	membrane protein, palmitoylated 1, 55kDa [Source:Jamboree;Acc:XB-GENE-5787649]	1.2243	0.0404
ENSXETG00000004861	MPPED1	metallophosphoesterase domain containing 1 [Source:Jamboree;Acc:XB-GENE-996669]	1.7571	0.0123
ENSXETG00000010902	MREG	melanoregulin [Source:Jamboree;Acc:XB-GENE-5735017]	1.3071	0.0094
ENSXETG00000027295	MRPL17	mitochondrial ribosomal protein L17 [Source:Jamboree;Acc:XB-GENE-991837]	1.5143	0.0013
ENSXETG00000026864	MS4A1	membrane-spanning 4-domains, subfamily A, member 1 [Source:Jamboree;Acc:XB-GENE-479306]	1.5917	0.0093
ENSXETG00000007482	MSMB.3	microseminoprotein, beta-, gene 3 [Source:Jamboree;Acc:XB-GENE-1018396]	5.1466	0.0054
ENSXETG00000000700	MSRA.1	methionine sulfoxide reductase A, gene 1 [Source:Jamboree;Acc:XB-GENE-1011250]	1.3164	0.0112
ENSXETG00000007082	MTMR2	myotubularin related protein 2 [Source:Jamboree;Acc:XB-GENE-6044385]	1.6765	0.0102
ENSXETG00000020483	MXD4	MAX dimerization protein 4 [Source:Jamboree;Acc:XB-GENE-6257573]	1.2838	0.0176
ENSXETG00000019058	MYH14	myosin, heavy chain 14, non-muscle [Source:Jamboree;Acc:XB-GENE-6468587]	1.2291	0.0326
ENSXETG00000020323	MYO5B	myosin VB [Source:Jamboree;Acc:XB-GENE-988439]	1.7255	0.0032
ENSXETG00000000150	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SQC4]	1.6226	0.0006
ENSXETG00000000714	N/A	N/A	1.9814	0.0220
ENSXETG00000001623	N/A	N/A	1.3839	0.0005
ENSXETG00000002138	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6QPX9]	1.6701	0.0000
ENSXETG00000002864	N/A	Synaptosomal-associated protein [Source:UniProtKB/TrEMBL;Acc:F7CZV2]	1.3197	0.0063
ENSXETG00000003880	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6UDP1]	2.3604	0.0000
ENSXETG00000004274	N/A	N/A	3.1356	0.0402
ENSXETG00000004615	N/A	N/A	1.6044	0.0000
ENSXETG00000004688	N/A	N/A	1.4027	0.0041
ENSXETG00000005338	N/A	N/A	1.3320	0.0177
ENSXETG00000005471	N/A	N/A	1.3554	0.0026
ENSXETG00000005864	N/A	N/A	1.8131	0.0000
ENSXETG00000006292	N/A	N/A	2.7608	0.0095
ENSXETG00000007242	N/A	N/A	1.2519	0.0377
ENSXETG00000008814	N/A	N/A	1.6967	0.0016
ENSXETG00000009179	N/A	N/A	3.0284	0.0000
ENSXETG00000009502	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q683]	1.8376	0.0038
ENSXETG00000009685	N/A	N/A	1.3145	0.0271
ENSXETG00000009841	N/A	N/A	1.5302	0.0002
ENSXETG00000009914	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N362]	1.3473	0.0209
ENSXETG00000010050	N/A	N/A	1.6092	0.0001
ENSXETG00000010328	N/A	N/A	1.9431	0.0000
ENSXETG00000010881	N/A	N/A	1.7346	0.0004
ENSXETG00000010935	N/A	N/A	1.4768	0.0009
ENSXETG00000011706	N/A	N/A	1.3914	0.0111
ENSXETG00000012642	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7BIV1]	10.5283	0.0113
ENSXETG00000012752	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7A698]	1.3083	0.0298
ENSXETG00000012881	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7C9K2]	1.3301	0.0045
ENSXETG00000013081	N/A	Natriuretic peptide [Source:UniProtKB/TrEMBL;Acc:F6PZA7]	1.4966	0.0020
ENSXETG00000013738	N/A	N/A	4.0497	0.0201
ENSXETG00000014010	N/A	N/A	1.3190	0.0435
ENSXETG00000014065	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q2C8]	2.8214	0.0000
ENSXETG00000014223	N/A	N/A	1.5800	0.0001
ENSXETG00000014412	N/A	N/A	1.2934	0.0087
ENSXETG00000014729	N/A	Guanylate cyclase [Source:UniProtKB/TrEMBL;Acc:F7DQ86]	1.5360	0.0174
ENSXETG00000015805	N/A	N/A	1.2906	0.0091
ENSXETG00000016457	N/A	N/A	1.6575	0.0374
ENSXETG00000016650	N/A	N/A	1.9383	0.0179
ENSXETG00000017116	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7DP94]	2.2631	0.0000
ENSXETG00000017406	N/A	N/A	2.5792	0.0000
ENSXETG00000017458	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Z3V1]	2.4590	0.0094
ENSXETG00000017472	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YPV9]	1.3472	0.0026
ENSXETG00000017945	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7B6A5]	2.3642	0.0001
ENSXETG00000018006	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7B0N9]	1.4151	0.0036
ENSXETG00000018161	N/A	N/A	1.8864	0.0000
ENSXETG00000018973	N/A	N/A	1.4122	0.0006
ENSXETG00000019516	N/A	N/A	5.6952	0.0002
ENSXETG00000019543	N/A	N/A	1.6440	0.0404
ENSXETG00000020582	N/A	N/A	1.6732	0.0000
ENSXETG00000021011	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SJQ6]	5.3744	0.0076
ENSXETG00000021013	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SJB2]	3.3011	0.0001
ENSXETG00000021221	N/A	N/A	1.5138	0.0002
ENSXETG00000021540	N/A	N/A	1.8939	0.0001
ENSXETG00000021628	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6SVR5]	2.1448	0.0091
ENSXETG00000022531	N/A	N/A	1.3667	0.0285
ENSXETG00000022609	N/A	N/A	1.6559	0.0083

ENSXETG00000022663	N/A	N/A	3.2720	0.0000
ENSXETG00000022763	N/A	N/A	1.4611	0.0003
ENSXETG00000022948	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CL13]	1.6003	0.0449
ENSXETG00000023592	N/A	N/A	1.5326	0.0265
ENSXETG00000023715	N/A	N/A	1.5938	0.0292
ENSXETG00000024719	N/A	N/A	1.8208	0.0493
ENSXETG00000024795	N/A	N/A	1.3984	0.0113
ENSXETG00000025054	N/A	N/A	1.3731	0.0458
ENSXETG00000025154	N/A	N/A	Inf	0.0026
ENSXETG00000025524	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YYA0]	1.7236	0.0064
ENSXETG00000025546	N/A	N/A	2.4916	0.0000
ENSXETG00000025673	N/A	N/A	1.5010	0.0000
ENSXETG00000025879	N/A	N/A	1.7449	0.0000
ENSXETG00000025951	N/A	N/A	1.4310	0.0032
ENSXETG00000026786	N/A	N/A	2.4703	0.0001
ENSXETG00000026986	N/A	N/A	1.5785	0.0210
ENSXETG00000026994	N/A	N/A	1.9233	0.0000
ENSXETG00000027270	N/A	N/A	3.9235	0.0008
ENSXETG00000027290	N/A	N/A	1.9453	0.0001
ENSXETG00000028382	N/A	N/A	1.3440	0.0348
XLOC_000359	N/A	N/A	1.7694	0.0043
XLOC_000653	N/A	N/A	2.3788	0.0000
XLOC_000857	N/A	N/A	1.5068	0.0118
XLOC_001110	N/A	N/A	3.2807	0.0022
XLOC_001286	N/A	N/A	1.3190	0.0071
XLOC_002521	N/A	N/A	1.7989	0.0001
XLOC_002628	N/A	N/A	1.4506	0.0032
XLOC_002729	N/A	N/A	1.5150	0.0000
XLOC_003225	N/A	N/A	5.2816	0.0495
XLOC_003400	N/A	N/A	1.3828	0.0072
XLOC_003850	N/A	N/A	3.8579	0.0000
XLOC_003986	N/A	N/A	1.3426	0.0038
XLOC_004396	N/A	N/A	1.6540	0.0097
XLOC_004424	N/A	N/A	1.5159	0.0001
XLOC_005139	N/A	N/A	1.8720	0.0014
XLOC_005140	N/A	N/A	2.0206	0.0008
XLOC_005586	N/A	N/A	1.2558	0.0225
XLOC_007693	N/A	N/A	2.2474	0.0000
XLOC_008120	N/A	N/A	1.7920	0.0126
XLOC_008177	N/A	N/A	1.5602	0.0000
XLOC_008256	N/A	N/A	5.2293	0.0000
XLOC_008257	N/A	N/A	5.2293	0.0000
XLOC_009068	N/A	N/A	2.3931	0.0000
XLOC_009167	N/A	N/A	1.6797	0.0481
XLOC_009210	N/A	N/A	1.4633	0.0005
XLOC_009414	N/A	N/A	1.3127	0.0012
XLOC_009489	N/A	N/A	2.2883	0.0018
XLOC_009719	N/A	N/A	2.8681	0.0000
XLOC_009888	N/A	N/A	1.5542	0.0000
XLOC_010282	N/A	N/A	2.2879	0.0106
XLOC_010898	N/A	N/A	1.6901	0.0012
XLOC_011472	N/A	N/A	2.8422	0.0254
XLOC_011979	N/A	N/A	1.3972	0.0002
XLOC_012260	N/A	N/A	2.9481	0.0000
XLOC_012299	N/A	N/A	1.7360	0.0004
XLOC_012555	N/A	N/A	1.6928	0.0184
XLOC_013011	N/A	N/A	2.0068	0.0008
XLOC_013247	N/A	N/A	1.8472	0.0444
XLOC_013432	N/A	N/A	1.2882	0.0141
XLOC_013790	N/A	N/A	1.6457	0.0112
XLOC_013839	N/A	N/A	6.7662	0.0000
XLOC_014025	N/A	N/A	1.3170	0.0149
XLOC_014132	N/A	N/A	1.3964	0.0000
XLOC_014447	N/A	N/A	1.3886	0.0003
XLOC_014658	N/A	N/A	3.3788	0.0038
XLOC_014741	N/A	N/A	1.3961	0.0231
XLOC_014773	N/A	N/A	2.5713	0.0000
XLOC_014788	N/A	N/A	1.2773	0.0428
XLOC_014988	N/A	N/A	1.3469	0.0008
XLOC_015112	N/A	N/A	1.4957	0.0001
XLOC_015115	N/A	N/A	1.5025	0.0049
XLOC_015362	N/A	N/A	3.2186	0.0018
XLOC_016358	N/A	N/A	1.3259	0.0391
XLOC_016365	N/A	N/A	1.2397	0.0255
XLOC_016453	N/A	N/A	1.2756	0.0496
XLOC_016656	N/A	N/A	1.4352	0.0251
XLOC_016931	N/A	N/A	2.2572	0.0000
XLOC_017350	N/A	N/A	2.1485	0.0000
XLOC_018418	N/A	N/A	1.4562	0.0282
XLOC_018693	N/A	N/A	1.5060	0.0270
XLOC_020304	N/A	N/A	2.2825	0.0378
XLOC_020756	N/A	N/A	1.5048	0.0003
XLOC_021022	N/A	N/A	1.6475	0.0095
XLOC_021254	N/A	N/A	2.1841	0.0000
XLOC_021661	N/A	N/A	2.7208	0.0000
XLOC_021716	N/A	N/A	1.2537	0.0089
XLOC_021848	N/A	N/A	1.3206	0.0028
XLOC_022043	N/A	N/A	1.8239	0.0000
XLOC_022514	N/A	N/A	1.4266	0.0001
XLOC_022684	N/A	N/A	2.1379	0.0319
XLOC_022907	N/A	N/A	1.5363	0.0095
XLOC_023196	N/A	N/A	1.6163	0.0099
XLOC_023344	N/A	N/A	1.7771	0.0002
XLOC_023443	N/A	N/A	1.2986	0.0049
XLOC_023748	N/A	N/A	1.6560	0.0000
XLOC_023817	N/A	N/A	1.6693	0.0001
XLOC_023906	N/A	N/A	1.3190	0.0424
XLOC_024226	N/A	N/A	1.2903	0.0373
XLOC_024375	N/A	N/A	1.2241	0.0319
XLOC_024789	N/A	N/A	1.5979	0.0498
XLOC_025718	N/A	N/A	1.3887	0.0030
XLOC_025759	N/A	N/A	2.1938	0.0047
XLOC_025954	N/A	N/A	1.3671	0.0009
XLOC_025964	N/A	N/A	1.9349	0.0007
XLOC_026253	N/A	N/A	2.0205	0.0142
XLOC_027423	N/A	N/A	2.2475	0.0127

XLOC_028020	N/A	N/A	1.5740	0.0120
XLOC_028177	N/A	N/A	1.6392	0.0000
XLOC_028209	N/A	N/A	1.5774	0.0000
XLOC_028458	N/A	N/A	1.4837	0.0014
XLOC_028477	N/A	N/A	1.3326	0.0247
XLOC_028732	N/A	N/A	3.1132	0.0064
XLOC_029651	N/A	N/A	2.0740	0.0265
XLOC_029893	N/A	N/A	2.0816	0.0000
XLOC_030669	N/A	N/A	1.7562	0.0042
XLOC_030701	N/A	N/A	5.1897	0.0000
XLOC_030777	N/A	N/A	1.7913	0.0000
XLOC_030987	N/A	N/A	1.4299	0.0003
XLOC_031065	N/A	N/A	1.4467	0.0005
XLOC_031295	N/A	N/A	1.4108	0.0002
XLOC_031463	N/A	N/A	3.6700	0.0174
XLOC_031555	N/A	N/A	1.3502	0.0097
XLOC_031606	N/A	N/A	4.2383	0.0000
XLOC_032039	N/A	N/A	1.4115	0.0091
XLOC_032041	N/A	N/A	1.3236	0.0055
XLOC_032368	N/A	N/A	1.8486	0.0001
XLOC_032373	N/A	N/A	1.6197	0.0003
XLOC_032757	N/A	N/A	1.6446	0.0076
XLOC_033609	N/A	N/A	1.6815	0.0000
XLOC_034198	N/A	N/A	1.5479	0.0007
XLOC_034219	N/A	N/A	1.4759	0.0004
XLOC_034492	N/A	N/A	1.7597	0.0316
XLOC_034730	N/A	N/A	1.3956	0.0044
XLOC_034930	N/A	N/A	1.5748	0.0122
XLOC_035693	N/A	N/A	1.2814	0.0089
XLOC_035940	N/A	N/A	2.8844	0.0006
XLOC_036336	N/A	N/A	2.1603	0.0000
XLOC_037170	N/A	N/A	1.3383	0.0038
XLOC_038417	N/A	N/A	1.4018	0.0006
XLOC_038516	N/A	N/A	2.0516	0.0002
XLOC_038857	N/A	N/A	2.0841	0.0397
XLOC_038888	N/A	N/A	1.3698	0.0153
XLOC_038908	N/A	N/A	1.8769	0.0028
XLOC_038933	N/A	N/A	1.7854	0.0005
XLOC_039370	N/A	N/A	3.6064	0.0452
XLOC_039403	N/A	N/A	1.6303	0.0001
XLOC_039577	N/A	N/A	2.5509	0.0000
XLOC_039578	N/A	N/A	2.7850	0.0095
XLOC_040150	N/A	N/A	1.3380	0.0103
XLOC_040192	N/A	N/A	1.4614	0.0030
XLOC_041004	N/A	N/A	1.3070	0.0210
XLOC_041084	N/A	N/A	1.9110	0.0005
XLOC_041150	N/A	N/A	1.9851	0.0161
XLOC_041347	N/A	N/A	1.4987	0.0001
XLOC_041463	N/A	N/A	4.1797	0.0000
XLOC_041630	N/A	N/A	1.7127	0.0097
XLOC_041829	N/A	N/A	3.0443	0.0130
XLOC_042334	N/A	N/A	1.3396	0.0003
XLOC_042970	N/A	N/A	1.2539	0.0128
XLOC_043360	N/A	N/A	1.2548	0.0237
XLOC_043842	N/A	N/A	4.2284	0.0000
XLOC_043897	N/A	N/A	2.6071	0.0000
XLOC_044964	N/A	N/A	1.8605	0.0123
XLOC_044974	N/A	N/A	1.2059	0.0401
XLOC_045152	N/A	N/A	10.7667	0.0069
ENSXETG00000017009	N4BP2L1	NEDD4 binding protein 2-like 1 [Source:Jamboree;Acc:XB-GENE-1001194]	1.3460	0.0077
ENSXETG00000004428	NAB2	NGFI-A binding protein 2 (EGR1 binding protein 2) [Source:Jamboree;Acc:XB-GENE-957953]	1.9738	0.0000
ENSXETG00000000723	NACC2	NACC family member 2, BEN and BTB (POZ) domain containing [Source:Jamboree;Acc:XB-GENE-986407]	1.8410	0.0149
ENSXETG00000013251	NCEH1	neutral cholesterol ester hydrolase 1 [Source:Jamboree;Acc:XB-GENE-959943]	1.2888	0.0124
ENSXETG00000003480	NCOA3	nuclear receptor coactivator 3 [Source:Jamboree;Acc:XB-GENE-486618]	1.2343	0.0306
ENSXETG00000001192	NCOR2	nuclear receptor corepressor 2 [Source:Jamboree;Acc:XB-GENE-5963150]	1.5937	0.0000
ENSXETG00000010988	NDRG1	N-myc downstream regulated 1 [Source:Jamboree;Acc:XB-GENE-993273]	1.4334	0.0218
ENSXETG00000016599	NEBL	nebulette [Source:Jamboree;Acc:XB-GENE-492269]	1.5213	0.0000
ENSXETG00000014601	NECAB1	N-terminal EF-hand calcium binding protein 1 [Source:Jamboree;Acc:XB-GENE-943030]	1.3557	0.0002
ENSXETG00000016418	NEFH	neurofilament, heavy polypeptide [Source:Jamboree;Acc:XB-GENE-920068]	1.2782	0.0038
ENSXETG00000010142	NEFL	neurofilament, light polypeptide [Source:Jamboree;Acc:XB-GENE-492106]	1.3305	0.0094
ENSXETG00000006888	NEK4	NIMA (never in mitosis gene a)-related kinase 4 [Source:Jamboree;Acc:XB-GENE-5914376]	1.7506	0.0001
ENSXETG00000014625	NELL2	NEL-like 2 [Source:Jamboree;Acc:XB-GENE-852641]	1.2579	0.0255
ENSXETG00000016864	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1 [Source:Jamboree;Acc:XB-GENE-1013796]	1.3811	0.0007
ENSXETG00000008149	NFIC	nuclear factor I/C (CCAAT-binding transcription factor) [Source:Jamboree;Acc:XB-GENE-484367]	1.9491	0.0000
ENSXETG00000011524	NPBWR2	neuropeptides B/W receptor 2 [Source:Jamboree;Acc:XB-GENE-6049691]	1.5711	0.0286
ENSXETG00000019001	NPC1L1	NPC1 (Niemann-Pick disease, type C1, gene)-like 1 [Source:Jamboree;Acc:XB-GENE-964011]	2.0244	0.0112
ENSXETG00000014111	NPNT	nephronectin [Source:Jamboree;Acc:XB-GENE-952278]	1.3753	0.0009
ENSXETG00000013082	NPPB	natriuretic peptide B [Source:Jamboree;Acc:XB-GENE-487178]	1.8454	0.0001
ENSXETG00000014291	NPR1	natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A) [Source:Jamboree;Acc:XB-GENE-970522]	1.5047	0.0094
ENSXETG00000006906	NPTXR	neuronal pentraxin receptor [Source:Jamboree;Acc:XB-GENE-983806]	1.5868	0.0464
ENSXETG00000017869	NQO1	NAD(P)H dehydrogenase, quinone 1 [Source:Jamboree;Acc:XB-GENE-955485]	1.4565	0.0484
ENSXETG00000024397	NR1D1	nuclear receptor subfamily 1, group D, member 1 [Source:Jamboree;Acc:XB-GENE-478094]	1.6526	0.0000
ENSXETG00000003869	NR1D2	nuclear receptor subfamily 1, group D, member 2 [Source:Jamboree;Acc:XB-GENE-478410]	1.6654	0.0000
ENSXETG00000011046	NR2F5	nuclear receptor subfamily 2, group F, member 5 [Source:Jamboree;Acc:XB-GENE-486334]	2.5702	0.0002
ENSXETG00000026061	NR3C2	nuclear receptor subfamily 3, group C, member 2 [Source:Jamboree;Acc:XB-GENE-483085]	2.0449	0.0000
ENSXETG00000004423	NRIP3	nuclear receptor interacting protein 3 [Source:Jamboree;Acc:XB-GENE-997031]	1.3239	0.0084
ENSXETG00000010095	NRP2	neuropilin 2 [Source:Jamboree;Acc:XB-GENE-485735]	1.4101	0.0242
ENSXETG00000021990	NRSN1	neurensin 1 [Source:Jamboree;Acc:XB-GENE-1005881]	1.1954	0.0404
ENSXETG00000005357	NT5DC3	5'-nucleotidase domain containing 3 [Source:Jamboree;Acc:XB-GENE-940463]	1.6333	0.0009
ENSXETG00000015706	NTM	neurotrimin [Source:Jamboree;Acc:XB-GENE-6045425]	1.2555	0.0145
ENSXETG00000009235	NTN4	netrin 4 [Source:HGNC Symbol;Acc:HGNC:13658]	1.4452	0.0179
ENSXETG00000011726	NTRK2	neurotrophic tyrosine kinase, receptor, type 2 [Source:Jamboree;Acc:XB-GENE-922932]	1.1899	0.0335
ENSXETG00000007198	NUDT22	nudix (nucleoside diphosphate linked moiety X)-type motif 22 [Source:Jamboree;Acc:XB-GENE-5961541]	1.2414	0.0268
ENSXETG00000013910	OBSCN	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF [Source:Jamboree;Acc:XB-GENE-957361]	3.0366	0.0017
ENSXETG00000003108	OSBPL10	oxysterol binding protein-like 10 [Source:Jamboree;Acc:XB-GENE-995970]	1.3380	0.0088
ENSXETG00000015091	OSBPL1A	oxysterol binding protein-like 1A [Source:Jamboree;Acc:XB-GENE-1011513]	1.2698	0.0103
ENSXETG00000002006	OSBPL2	oxysterol binding protein-like 2 [Source:Jamboree;Acc:XB-GENE-855645]	1.3511	0.0335
ENSXETG00000003330	OTOF	otoferlin [Source:Jamboree;Acc:XB-GENE-1006200]	1.4955	0.0000
ENSXETG00000016183	OTOL1	otolin 1 [Source:Jamboree;Acc:XB-GENE-950285]	1.6375	0.0004
ENSXETG00000027713	P2RY1	purinergic receptor P2Y, G-protein coupled, 1 [Source:Jamboree;Acc:XB-GENE-1000145]	1.2512	0.0173
ENSXETG00000010723	P2RY2	purinergic receptor P2Y, G-protein coupled, 2 [Source:Jamboree;Acc:XB-GENE-1005097]	6.3019	0.0053
ENSXETG00000021730	PAPPA	pregnancy-associated plasma protein A, pappalysin 1 [Source:Jamboree;Acc:XB-GENE-482885]	1.5270	0.0320
ENSXETG00000002598	PAQR6	progestin and adipoQ receptor family member VI [Source:Jamboree;Acc:XB-GENE-5863258]	1.3567	0.0014
ENSXETG00000000087	PARP3	poly (ADP-ribose) polymerase family, member 3 [Source:Jamboree;Acc:XB-GENE-987109]	1.3880	0.0499
ENSXETG00000004872	PARVB	parvin, beta [Source:Jamboree;Acc:XB-GENE-947900]	1.4338	0.0355

ENSXETG00000018945	PCDH15	protocadherin-related 15 [Source:Jamboree;Acc:XB-GENE-986760]	1.4180	0.0401
ENSXETG00000012808	PCDH20	protocadherin 20 [Source:Jamboree;Acc:XB-GENE-484153]	1.5522	0.0008
ENSXETG00000000593	PCOLCE2	procollagen C-endopeptidase enhancer 2 [Source:Jamboree;Acc:XB-GENE-1015978]	1.5909	0.0016
ENSXETG00000013276	PCSK1	proprotein convertase subtilisin/kexin type 1 [Source:Jamboree;Acc:XB-GENE-983314]	1.3661	0.0002
ENSXETG00000006663	PCSK6	proprotein convertase subtilisin/kexin type 6 [Source:Jamboree;Acc:XB-GENE-979058]	1.8168	0.0005
ENSXETG00000023430	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa [Source:Jamboree;Acc:XB-GENE-994226]	1.5649	0.0001
ENSXETG00000012264	PDE2A	phosphodiesterase 2A, cGMP-stimulated [Source:Jamboree;Acc:XB-GENE-5945995]	1.2688	0.0049
ENSXETG00000001379	PDGFA	platelet-derived growth factor alpha polypeptide [Source:Jamboree;Acc:XB-GENE-484495]	1.3072	0.0038
ENSXETG00000021035	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide [Source:Jamboree;Acc:XB-GENE-6072920]	1.5210	0.0277
ENSXETG00000000689	PDGFRL	platelet-derived growth factor receptor-like [Source:Jamboree;Acc:XB-GENE-921443]	2.6001	0.0000
ENSXETG00000017929	PDIA4	protein disulfide isomerase family A, member 4 [Source:Jamboree;Acc:XB-GENE-5892157]	1.9044	0.0000
ENSXETG00000021587	PDZD3	PDZ domain containing 3 [Source:Jamboree;Acc:XB-GENE-486153]	1.8467	0.0000
ENSXETG00000025813	PEBP4	phosphatidylethanolamine-binding protein 4 [Source:Jamboree;Acc:XB-GENE-941751]	1.9438	0.0006
ENSXETG00000005657	PENK	proenkephalin [Source:Jamboree;Acc:XB-GENE-942760]	1.3578	0.0008
ENSXETG00000007279	PFKM	phosphofructokinase, muscle [Source:Jamboree;Acc:XB-GENE-1000684]	1.3001	0.0314
ENSXETG00000009785	PHACTR2	phosphatase and actin regulator 2 [Source:Jamboree;Acc:XB-GENE-494731]	1.5097	0.0001
ENSXETG00000006756	PHKA1P1	phosphorylase kinase, alpha 1 pseudogene 1 [Source:Jamboree;Acc:XB-GENE-1012252]	1.4188	0.0001
ENSXETG00000003918	PHKB	phosphorylase kinase, beta [Source:Jamboree;Acc:XB-GENE-1010420]	1.2481	0.0255
ENSXETG00000010064	PHKG1	phosphorylase kinase, gamma 1 (muscle) [Source:Jamboree;Acc:XB-GENE-987485]	2.8713	0.0000
ENSXETG00000010535	PHYHIP	phytanoyl-CoA 2-hydroxylase interacting protein [Source:Jamboree;Acc:XB-GENE-999561]	2.6732	0.0000
ENSXETG00000019512	PIK3R6	phosphoinositide-3-kinase, regulatory subunit 6 [Source:Jamboree;Acc:XB-GENE-989316]	2.0146	0.0008
ENSXETG00000014529	PIM3	pim-3 oncogene [Source:Jamboree;Acc:XB-GENE-922022]	1.2559	0.0429
ENSXETG00000001678	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta [Source:Jamboree;Acc:XB-GENE-987075]	1.4035	0.0001
ENSXETG00000010057	PITPNC1	phosphatidylinositol transfer protein, cytoplasmic 1 [Source:Jamboree;Acc:XB-GENE-5779888]	1.5282	0.0000
ENSXETG00000009136	PLD1	phospholipase D1, phosphatidylcholine-specific [Source:Jamboree;Acc:XB-GENE-948465]	2.3674	0.0000
ENSXETG00000026788	PLEKHB2	pleckstrin homology domain containing, family B (evectins) member 2 [Source:Jamboree;Acc:XB-GENE-983205]	2.2184	0.0000
ENSXETG00000018134	PLP1	proteolipid protein 1 [Source:Jamboree;Acc:XB-GENE-1008580]	1.5048	0.0055
ENSXETG00000016596	PLXDC2	plexin domain containing 2 [Source:Jamboree;Acc:XB-GENE-856530]	1.3428	0.0117
ENSXETG00000005387	PM20D2	peptidase M20 domain containing 2 [Source:Jamboree;Acc:XB-GENE-969482]	1.3572	0.0247
ENSXETG00000011263	PMEPA1	prostate transmembrane protein, androgen induced 1 [Source:Jamboree;Acc:XB-GENE-1013948]	1.9805	0.0000
ENSXETG00000007699	PNCK	pregnancy up-regulated non-ubiquitously expressed CaM kinase [Source:Jamboree;Acc:XB-GENE-961042]	1.5722	0.0000
ENSXETG00000021158	PNOC	preproNociceptin [Source:Jamboree;Acc:XB-GENE-877024]	1.3293	0.0443
ENSXETG00000008164	PNPLA4	patatin-like phospholipase domain containing 4 [Source:Jamboree;Acc:XB-GENE-968680]	1.7392	0.0232
ENSXETG00000001142	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa [Source:Jamboree;Acc:XB-GENE-5913354]	2.4248	0.0006
ENSXETG00000018064	POPDC2	popeye domain containing 2 [Source:Jamboree;Acc:XB-GENE-958806]	2.9224	0.0013
ENSXETG00000009137	PPL	periplakin [Source:Jamboree;Acc:XB-GENE-1008954]	1.4976	0.0008
ENSXETG00000018235	PPP1R13L	protein phosphatase 1, regulatory (inhibitor) subunit 13 like [Source:Jamboree;Acc:XB-GENE-5848597]	1.8311	0.0113
ENSXETG00000012142	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B [Source:Jamboree;Acc:XB-GENE-982398]	1.3554	0.0037
ENSXETG00000011604	PPP2R2C	protein phosphatase 2, regulatory subunit B, gamma [Source:Jamboree;Acc:XB-GENE-6076030]	1.3849	0.0001
ENSXETG00000010224	PPP2R5C	protein phosphatase 2, regulatory subunit B', gamma [Source:Jamboree;Acc:XB-GENE-479228]	1.2628	0.0077
ENSXETG00000010315	PPP4R4	protein phosphatase 4, regulatory subunit 4 [Source:Jamboree;Acc:XB-GENE-1011051]	1.5992	0.0000
ENSXETG00000026025	PPPDE2	PPPDE peptidase domain containing 2 [Source:Jamboree;Acc:XB-GENE-998981]	1.3389	0.0060
ENSXETG00000000068	PRDM15	PR domain containing 15 [Source:Jamboree;Acc:XB-GENE-1013930]	1.3026	0.0401
ENSXETG00000010261	PRDM6	PR domain containing 6 [Source:Jamboree;Acc:XB-GENE-854907]	1.4901	0.0001
ENSXETG00000006797	PRICKLE1	prickle homolog 1 [Source:Jamboree;Acc:XB-GENE-486941]	1.5571	0.0017
ENSXETG00000006535	PRICKLE2	prickle homolog 2 [Source:Jamboree;Acc:XB-GENE-482891]	1.5188	0.0016
ENSXETG00000010034	PRKCG	protein kinase C, gamma [Source:Jamboree;Acc:XB-GENE-876551]	1.2430	0.0129
ENSXETG00000004035	PRSS12	protease, serine, 12 (neurotrypsin, motopsin) [Source:Jamboree;Acc:XB-GENE-984837]	1.5731	0.0181
ENSXETG00000007448	PTER	phosphotriesterase related [Source:Jamboree;Acc:XB-GENE-1007035]	1.5831	0.0034
ENSXETG00000017538	PTK2B	PTK2B protein tyrosine kinase 2 beta [Source:Jamboree;Acc:XB-GENE-489525]	4.7359	0.0000
ENSXETG00000005190	PTPRE	protein tyrosine phosphatase, receptor type, E [Source:Jamboree;Acc:XB-GENE-982136]	1.5169	0.0005
ENSXETG00000007639	PTRF	polymerase I and transcript release factor [Source:Jamboree;Acc:XB-GENE-996120]	1.4804	0.0480
ENSXETG00000001468	QRFP	pyroglutamylated RFamide peptide [Source:Jamboree;Acc:XB-GENE-953726]	2.0440	0.0327
ENSXETG00000011781	RAB11FIP5	RAB11 family interacting protein 5 (class 1) [Source:Jamboree;Acc:XB-GENE-481066]	1.5118	0.0099
ENSXETG00000003366	RAB27B	RAB27B, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-491764]	1.2731	0.0238
ENSXETG00000022807	RAB40B	RAB40B, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-490554]	1.5257	0.0000
ENSXETG00000012970	RAP1GAP2	RAP1 GTPase activating protein 2 [Source:Jamboree;Acc:XB-GENE-6050621]	1.3768	0.0012
ENSXETG00000014097	RARRES1	retinoic acid receptor responder (tazarotene induced) 1 [Source:Jamboree;Acc:XB-GENE-1011086]	1.3129	0.0011
ENSXETG00000010347	RAS-DVA	ras-related protein ras-dva [Source:Jamboree;Acc:XB-GENE-1217929]	2.2112	0.0427
ENSXETG00000012564	RASGEF1B	RasGEF domain family, member 1B [Source:Jamboree;Acc:XB-GENE-1015760]	1.3793	0.0008
ENSXETG00000022942	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2 [Source:Jamboree;Acc:XB-GENE-483993]	1.3055	0.0225
ENSXETG00000018074	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG-regulated) [Source:Jamboree;Acc:XB-GENE-489811]	2.2069	0.0003
ENSXETG00000011677	RASL11B	RAS-like, family 11, member B [Source:Jamboree;Acc:XB-GENE-491056]	1.5149	0.0023
ENSXETG00000023679	RASSF5	Ras association (RalGDS/AF-6) domain family member 5 [Source:Jamboree;Acc:XB-GENE-6468139]	2.1418	0.0002
ENSXETG00000022412	RBM46	probable RNA-binding protein 46 [Source:RefSeq peptide;Acc:NP_001072501]	1.2439	0.0367
ENSXETG00000016260	RCAN2	regulator of calcineurin 2 [Source:Jamboree;Acc:XB-GENE-945556]	1.3668	0.0055
ENSXETG00000014442	RD3	retinal degeneration 3 [Source:Jamboree;Acc:XB-GENE-1002200]	1.2994	0.0430
ENSXETG00000025416	RDH16	retinol dehydrogenase 16 (all-trans) [Source:Jamboree;Acc:XB-GENE-1007896]	3.0429	0.0000
ENSXETG00000013757	REM2	RAS (RAD and GEM)-like GTP binding 2 [Source:Jamboree;Acc:XB-GENE-491229]	1.5505	0.0003
ENSXETG00000021721	RENBP	renin binding protein [Source:Jamboree;Acc:XB-GENE-977425]	1.4423	0.0060
ENSXETG00000001110	REPS2	RALBP1 associated Eps domain containing 2 [Source:Jamboree;Acc:XB-GENE-985000]	1.2765	0.0287
ENSXETG00000016824	RGNEF	190 kDa guanine nucleotide exchange factor [Source:Jamboree;Acc:XB-GENE-952324]	1.5150	0.0040
ENSXETG00000005675	RGS2	regulator of G-protein signaling 2, 24kDa [Source:Jamboree;Acc:XB-GENE-968776]	1.9652	0.0001
ENSXETG00000010462	RGS5	regulator of G-protein signaling 5 [Source:Jamboree;Acc:XB-GENE-971917]	1.4905	0.0001
ENSXETG00000019523	RHBDF2	rhomboid 5 homolog 2 [Source:Jamboree;Acc:XB-GENE-966769]	2.3129	0.0026
ENSXETG00000012110	RHBDL1	rhomboid, veinlet-like 1 [Source:Jamboree;Acc:XB-GENE-953355]	1.2532	0.0397
ENSXETG00000010513	RHOBTB2	Rho-related BTB domain containing 2 [Source:Jamboree;Acc:XB-GENE-964295]	1.2327	0.0310
ENSXETG00000003585	RHOJ	ras homolog gene family, member J [Source:Jamboree;Acc:XB-GENE-957540]	1.4659	0.0064
ENSXETG00000004121	RRM2B	ribonucleotide reductase M2 B (TP53 inducible) [Source:Jamboree;Acc:XB-GENE-970633]	1.2887	0.0125
ENSXETG00000021714	RTKN	rhotekin [Source:Jamboree;Acc:XB-GENE-5943262]	1.5106	0.0001
ENSXETG00000012179	RTN4R	reticulon 4 receptor [Source:Jamboree;Acc:XB-GENE-6065292]	1.3564	0.0016
ENSXETG00000019493	RXFP1	relaxin/insulin-like family peptide receptor 1 [Source:Jamboree;Acc:XB-GENE-985695]	1.7020	0.0001
ENSXETG00000019186	RXFP2	relaxin/insulin-like family peptide receptor 2 [Source:Jamboree;Acc:XB-GENE-1011464]	1.3713	0.0067
ENSXETG00000002823	RYR1	ryanodine receptor 1 (skeletal) [Source:Jamboree;Acc:XB-GENE-1013509]	1.4985	0.0006
ENSXETG00000026439	SAMD7	sterile alpha motif domain containing 7 [Source:Jamboree;Acc:XB-GENE-948462]	2.1656	0.0113
ENSXETG00000002137	SCARA3	scavenger receptor class A, member 3 [Source:Jamboree;Acc:XB-GENE-956084]	2.0733	0.0336
ENSXETG00000007895	SCCPDH.2	saccharopine dehydrogenase (putative) [Source:Jamboree;Acc:XB-GENE-5761597]	1.9010	0.0001
ENSXETG00000024551	SCEL	sciellin [Source:Jamboree;Acc:XB-GENE-998743]	1.3705	0.0209
ENSXETG00000014824	SCGN	secretagogin, EF-hand calcium binding protein [Source:Jamboree;Acc:XB-GENE-988344]	1.8649	0.0008
ENSXETG00000010123	SCN4B	sodium channel, voltage-gated, type IV, beta [Source:Jamboree;Acc:XB-GENE-921510]	1.5961	0.0000
ENSXETG00000008487	SCRN3	secernin 3 [Source:Jamboree;Acc:XB-GENE-977151]	1.4175	0.0019
ENSXETG00000014544	SDCCAG8	serologically defined colon cancer antigen 8 [Source:Jamboree;Acc:XB-GENE-953338]	2.4511	0.0209
ENSXETG00000001037	SDF4	stromal cell derived factor 4 [Source:Jamboree;Acc:XB-GENE-956501]	1.2803	0.0169
ENSXETG00000013544	SERPINF2	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2 [Source:Jamboree;Acc:XB-GENE-877015]	2.6218	0.0023
ENSXETG00000014343	SEZ6	seizure related 6 homolog [Source:Jamboree;Acc:XB-GENE-1013132]	1.2067	0.0418
ENSXETG00000011676	SGCB	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein) [Source:Jamboree;Acc:XB-GENE-943307]	1.2528	0.0302
ENSXETG00000005641	SGCZ	sarcoglycan, zeta [Source:Jamboree;Acc:XB-GENE-985523]	1.4741	0.0069
ENSXETG00000019854	SGMS2	sphingomyelin synthase 2 [Source:Jamboree;Acc:XB-GENE-1016839]	1.9419	0.0473
ENSXETG00000018672	SGSM1	small G protein signaling modulator 1 [Source:Jamboree;Acc:XB-GENE-6043600]	1.4031	0.0008
ENSXETG00000003796	SHANK2	SH3 and multiple ankyrin repeat domains 2 [Source:Jamboree;Acc:XB-GENE-984534]	1.2303	0.0259
ENSXETG00000004167	SHROOM1	shroom family member 1 [Source:Jamboree;Acc:XB-GENE-6492080]	1.5331	0.0000
ENSXETG00000010165	SIK2	salt-inducible kinase 2 [Source:Jamboree;Acc:XB-GENE-950070]	1.3870	0.0004
ENSXETG00000003762	SIK3	SIK family kinase 3 [Source:Jamboree;Acc:XB-GENE-6042192]	1.2147	0.0348
ENSXETG00000008946	SKA1	spindle and kinetochore associated complex subunit 1 [Source:Jamboree;Acc:XB-GENE-5759531]	3.6765	0.0002
ENSXETG00000019731	SLC13A5	solute carrier family 13 (sodium-dependent citrate transporter), member 5 [Source:Jamboree;Acc:XB-GENE-983513]	4.0558	0.0000

ENSXETG00000019700	SLC16A3	solute carrier family 16, member 3 (monocarboxylic acid transporter 4) [Source:Jamboree;Acc:XB-GENE-483002]	1.4647	0.0016
ENSXETG00000021879	SLC1A6	solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6 [Source:Jamboree;Acc:XB-GENE-6033965]	2.0896	0.0017
ENSXETG00000016853	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2 [Source:Jamboree;Acc:XB-GENE-966414]	1.3175	0.0078
ENSXETG00000000793	SLC24A3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 [Source:Jamboree;Acc:XB-GENE-958238]	1.4045	0.0093
ENSXETG00000017655	SLC24A6	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6 [Source:Jamboree;Acc:XB-GENE-957176]	1.5905	0.0222
ENSXETG00000018810	SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12 [Source:Jamboree;Acc:XB-GENE-1002100]	1.4721	0.0000
ENSXETG00000000118	SLC2A12	solute carrier family 2 (facilitated glucose transporter), member 12 [Source:Jamboree;Acc:XB-GENE-1012136]	1.4369	0.0093
ENSXETG00000015550	SLC2A13	solute carrier family 2 (facilitated glucose transporter), member 13 [Source:Jamboree;Acc:XB-GENE-492054]	1.2395	0.0163
ENSXETG00000011984	SLC35F4	solute carrier family 35, member F4 [Source:Jamboree;Acc:XB-GENE-983757]	1.3423	0.0450
ENSXETG00000010015	SLC37A1	solute carrier family 37 (glycerol-3-phosphate transporter), member 1 [Source:Jamboree;Acc:XB-GENE-5761876]	2.2410	0.0271
ENSXETG00000028090	SLC38A9	solute carrier family 38, member 9 [Source:Jamboree;Acc:XB-GENE-5823434]	1.3921	0.0427
ENSXETG00000014976	SLC39A6	solute carrier family 39 (zinc transporter), member 6 [Source:Jamboree;Acc:XB-GENE-986480]	1.2407	0.0450
ENSXETG00000002987	SLC44A5	solute carrier family 44, member 5 [Source:Jamboree;Acc:XB-GENE-987953]	1.3065	0.0017
ENSXETG00000016198	SLC4A10	solute carrier family 4, sodium bicarbonate transporter, member 10 [Source:Jamboree;Acc:XB-GENE-1011116]	1.3221	0.0106
ENSXETG00000014645	SLC4A11	solute carrier family 4, sodium borate transporter, member 11 [Source:Jamboree;Acc:XB-GENE-482085]	1.4139	0.0052
ENSXETG00000022665	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10 [Source:Jamboree;Acc:XB-GENE-6035396]	2.3192	0.0000
ENSXETG00000011885	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 [Source:Jamboree;Acc:XB-GENE-479449]	1.5090	0.0000
ENSXETG00000009157	SLC7A14	solute carrier family 7 (orphan transporter), member 14 [Source:Jamboree;Acc:XB-GENE-1010371]	1.3532	0.0002
ENSXETG00000002216	SLC8A3	solute carrier family 8 (sodium/calcium exchanger), member 3 [Source:Jamboree;Acc:XB-GENE-954537]	1.4545	0.0024
ENSXETG00000011257	SLCO4A1	solute carrier organic anion transporter family, member 4A1 [Source:Jamboree;Acc:XB-GENE-5905026]	1.3355	0.0429
ENSXETG00000003405	SLIT1	slit homolog 1 [Source:Jamboree;Acc:XB-GENE-1007728]	1.2122	0.0438
ENSXETG00000013676	SLIT3	slit homolog 3 [Source:Jamboree;Acc:XB-GENE-991050]	1.4679	0.0005
ENSXETG00000013348	SLITRK6	SLIT and NTRK-like family, member 6 [Source:Jamboree;Acc:XB-GENE-980871]	1.5393	0.0479
ENSXETG00000004098	SMG9	smg-9 homolog, nonsense mediated mRNA decay factor (C. elegans) [Source:Jamboree;Acc:XB-GENE-990837]	1.2898	0.0183
ENSXETG00000022798	SOSTDC1	sclerostin domain containing 1 [Source:Jamboree;Acc:XB-GENE-478256]	1.5573	0.0260
ENSXETG00000006348	SOX10	SRY (sex determining region Y)-box 10 [Source:Jamboree;Acc:XB-GENE-480304]	1.7658	0.0001
ENSXETG00000006748	SPECC1	sperm antigen with calponin homology and coiled-coil domains 1 [Source:Jamboree;Acc:XB-GENE-956924]	1.3304	0.0045
ENSXETG00000000155	SPINT2	serine peptidase inhibitor, Kunitz type, 2 [Source:Jamboree;Acc:XB-GENE-947329]	3.0886	0.0000
ENSXETG00000014000	SPRED2	sprouty-related, EVH1 domain containing 2 [Source:Jamboree;Acc:XB-GENE-485591]	1.2549	0.0125
ENSXETG00000009978	SSTR2	somatostatin receptor 2 [Source:Jamboree;Acc:XB-GENE-953419]	1.7948	0.0028
ENSXETG00000016039	SSTR3	somatostatin receptor 3 [Source:Jamboree;Acc:XB-GENE-984793]	1.5326	0.0020
ENSXETG00000006201	STARD10	StAR-related lipid transfer (START) domain containing 10 [Source:Jamboree;Acc:XB-GENE-5824671]	1.2952	0.0127
ENSXETG00000024859	STXBP6	syntaxin binding protein 6 (amisyn) [Source:Jamboree;Acc:XB-GENE-489066]	1.5152	0.0052
ENSXETG00000024196	SWAP70	SWAP switching B-cell complex 70kDa subunit [Source:Jamboree;Acc:XB-GENE-988796]	1.4798	0.0004
ENSXETG00000011517	SYN3	synapsin III [Source:HGNC Symbol;Acc:HGNC:11496]	1.2945	0.0041
ENSXETG00000020358	SYNGAP1	synaptic Ras GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-487270]	1.2160	0.0404
ENSXETG00000006915	SYNGR1	synaptogyrin 1 [Source:Jamboree;Acc:XB-GENE-494921]	1.2184	0.0255
ENSXETG00000018811	SYNM	synemin, intermediate filament protein [Source:Jamboree;Acc:XB-GENE-992892]	2.5682	0.0032
ENSXETG00000009775	SYTL3	synaptotagmin-like 3 [Source:Jamboree;Acc:XB-GENE-5884483]	2.5576	0.0064
ENSXETG00000008597	SYTL5	synaptotagmin-like 5 [Source:Jamboree;Acc:XB-GENE-982310]	1.6708	0.0000
ENSXETG00000005370	T	T, brachyury homolog [Source:Jamboree;Acc:XB-GENE-478789]	2.2939	0.0014
ENSXETG00000008080	TASP1	taspase, threonine aspartase, 1 [Source:Jamboree;Acc:XB-GENE-5829718]	1.3760	0.0046
ENSXETG00000016201	TBR1	T-box, brain, 1 [Source:Jamboree;Acc:XB-GENE-942241]	1.7290	0.0017
ENSXETG00000015766	TCIRG1	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit A3 [Source:Jamboree;Acc:XB-GENE-5721917]	1.4537	0.0058
ENSXETG00000006691	TCP11L2	t-complex 11-like 2 [Source:Jamboree;Acc:XB-GENE-988955]	1.3207	0.0058
ENSXETG00000007222	TEX2.1	testis expressed 2, gene 1 [Source:Jamboree;Acc:XB-GENE-5879889]	1.8454	0.0000
ENSXETG00000019180	TFF2	trefoil factor 2 [Source:Jamboree;Acc:XB-GENE-5824118]	1.7976	0.0000
ENSXETG00000015347	TGFB2	transforming growth factor, beta 2 [Source:Jamboree;Acc:XB-GENE-480560]	1.7720	0.0000
ENSXETG00000015068	TGFBI	transforming growth factor, beta-induced, 68kDa [Source:Jamboree;Acc:XB-GENE-5751247]	1.6433	0.0335
ENSXETG00000007922	THIBZ	thyroid hormone induced bZip protein [Source:Jamboree;Acc:XB-GENE-484679]	8.3100	0.0000
ENSXETG00000003871	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2) [Source:Jamboree;Acc:XB-GENE-6070709]	2.4555	0.0000
ENSXETG00000007347	TIAM1	T-cell lymphoma invasion and metastasis [Source:Jamboree;Acc:XB-GENE-1006478]	1.5556	0.0078
ENSXETG00000007493	TLL2	tolloid-like 2 [Source:Jamboree;Acc:XB-GENE-478930]	1.3092	0.0260
ENSXETG00000001473	TMCC1	transmembrane and coiled-coil domain family 1 [Source:Jamboree;Acc:XB-GENE-5881367]	1.3534	0.0084
ENSXETG00000016992	TMEM121	transmembrane protein 121 [Source:Jamboree;Acc:XB-GENE-1012117]	1.3549	0.0051
ENSXETG00000020076	TMEM130	transmembrane protein 130 [Source:Jamboree;Acc:XB-GENE-6462848]	1.4184	0.0095
ENSXETG00000023736	TMEM132D	transmembrane protein 132D [Source:Jamboree;Acc:XB-GENE-5874430]	1.3963	0.0356
ENSXETG00000016712	TMEM159	transmembrane protein 159 [Source:Jamboree;Acc:XB-GENE-941359]	1.9250	0.0001
ENSXETG00000016816	TMEM174	transmembrane protein 174 [Source:Jamboree;Acc:XB-GENE-985780]	2.7065	0.0475
ENSXETG00000006356	TMEM184B	transmembrane protein 184B [Source:Jamboree;Acc:XB-GENE-489974]	1.2437	0.0263
ENSXETG00000003607	TMEM30A	transmembrane protein 30A [Source:Jamboree;Acc:XB-GENE-5816275]	1.2787	0.0050
ENSXETG00000001004	TMEM54	transmembrane protein 54 [Source:Jamboree;Acc:XB-GENE-490434]	1.3287	0.0237
ENSXETG00000017962	TMPRSS11F	transmembrane protease, serine 11F [Source:Jamboree;Acc:XB-GENE-1012399]	6.2875	0.0249
ENSXETG00000010124	TMPRSS4	transmembrane protease, serine 4 [Source:Jamboree;Acc:XB-GENE-940762]	1.5886	0.0000
ENSXETG00000000326	TMTC1	transmembrane and tetratricopeptide repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:24099]	1.3567	0.0003
ENSXETG00000026035	TMX4	thioredoxin-related transmembrane protein 4 [Source:Jamboree;Acc:XB-GENE-992676]	1.3693	0.0033
ENSXETG00000012764	TNFAIP2	tumor necrosis factor, alpha-induced protein 2 [Source:Jamboree;Acc:XB-GENE-1005945]	1.3649	0.0093
ENSXETG00000011317	TNFRSF21	tumor necrosis factor receptor superfamily, member 21 [Source:Jamboree;Acc:XB-GENE-987803]	1.2700	0.0096
ENSXETG00000021842	TPD52L1	tumor protein D52-like 1 [Source:Jamboree;Acc:XB-GENE-961168]	2.2607	0.0000
ENSXETG00000012746	TRAF3	TNF receptor-associated factor 3 [Source:Jamboree;Acc:XB-GENE-968262]	1.8518	0.0039
ENSXETG00000000198	TRERF1	transcriptional regulating factor 1 [Source:Jamboree;Acc:XB-GENE-940630]	1.3016	0.0048
ENSXETG00000004810	TRH	thyrotropin-releasing hormone [Source:Jamboree;Acc:XB-GENE-5805964]	1.2866	0.0030
ENSXETG00000012598	TRIM65	tripartite motif containing 65 [Source:Jamboree;Acc:XB-GENE-958095]	1.4077	0.0015
ENSXETG00000001048	TRPM6	transient receptor potential cation channel, subfamily M, member 6 [Source:Jamboree;Acc:XB-GENE-958179]	1.4305	0.0007
ENSXETG00000003271	TRPM8	transient receptor potential cation channel, subfamily M, member 8 [Source:Jamboree;Acc:XB-GENE-998832]	1.6559	0.0001
ENSXETG00000010035	TSHR	thyroid stimulating hormone receptor [Source:Jamboree;Acc:XB-GENE-991483]	2.1189	0.0113
ENSXETG00000022236	TSPAN18	tetraspanin 18 [Source:Jamboree;Acc:XB-GENE-868385]	1.4670	0.0001
ENSXETG00000002879	TSPAN4	tetraspanin 4 [Source:Jamboree;Acc:XB-GENE-958395]	1.2654	0.0265
ENSXETG00000017281	TTC16	tetratricopeptide repeat domain 16 [Source:Jamboree;Acc:XB-GENE-6462920]	1.3712	0.0183
ENSXETG00000003900	UBASH3B	ubiquitin associated and SH3 domain containing B [Source:Jamboree;Acc:XB-GENE-5757837]	1.6078	0.0000
ENSXETG00000016289	UCN3	urocortin 3 (stresscopin) [Source:Jamboree;Acc:XB-GENE-5829753]	2.4086	0.0123
ENSXETG00000010570	UGT8	UDP glycosyltransferase 8 [Source:Jamboree;Acc:XB-GENE-960667]	1.7689	0.0127
ENSXETG00000021133	ULK3	unc-51-like kinase 3 [Source:Jamboree;Acc:XB-GENE-5958931]	1.4167	0.0006
ENSXETG00000027055	UMODL1	uromodulin-like 1 [Source:Jamboree;Acc:XB-GENE-5965241]	1.8516	0.0223
ENSXETG00000019221	UNC5C	unc-5 homolog C [Source:Jamboree;Acc:XB-GENE-921628]	1.2371	0.0270
ENSXETG00000013401	UNC5D	unc-5 homolog D [Source:Jamboree;Acc:XB-GENE-922923]	1.3922	0.0006
ENSXETG00000022958	USP28	ubiquitin specific peptidase 28 [Source:Jamboree;Acc:XB-GENE-990711]	1.4110	0.0026
ENSXETG00000004044	USP53	ubiquitin specific peptidase 53 [Source:Jamboree;Acc:XB-GENE-960675]	1.4673	0.0028
ENSXETG00000012696	VAT1L	vesicle amine transport protein 1 homolog-like [Source:Jamboree;Acc:XB-GENE-952539]	1.2183	0.0277
ENSXETG00000014965	VIL1	villin 1 [Source:Jamboree;Acc:XB-GENE-965127]	4.6431	0.0000
ENSXETG00000017117	VSTM5	V-set and transmembrane domain containing 5 [Source:Jamboree;Acc:XB-GENE-940096]	2.8883	0.0000
ENSXETG00000014175	VWA5A	von Willebrand factor A domain containing 5A [Source:Jamboree;Acc:XB-GENE-5898460]	1.3734	0.0392
ENSXETG00000017559	VWA5B1	von Willebrand factor A domain containing 5B1 [Source:Jamboree;Acc:XB-GENE-6462478]	1.5736	0.0000
ENSXETG00000017279	VWA5B2	von Willebrand factor A domain containing 5B2 [Source:Jamboree;Acc:XB-GENE-6040087]	1.5030	0.0118
ENSXETG00000012581	WBP2	WW domain binding protein 2 [Source:Jamboree;Acc:XB-GENE-993857]	1.5179	0.0015
ENSXETG00000012870	WDR19	WD repeat domain 19 [Source:Jamboree;Acc:XB-GENE-920013]	1.3320	0.0043
ENSXETG00000012615	WNK4	WNK lysine deficient protein kinase 4 [Source:Jamboree;Acc:XB-GENE-981916]	1.4268	0.0049
ENSXETG00000007719	WNT7C	wingless-type MMTV integration site family, member 7c [Source:Jamboree;Acc:XB-GENE-5835754]	1.9915	0.0261
ENSXETG00000016758	XB-GENE-1002559	Putative ortholog of ras-related protein Rab-14, 1 of 2 [Source:Jamboree;Acc:XB-GENE-1002559]	1.5846	0.0027
ENSXETG00000008182	XB-GENE-5767035	hypothetical protein LOC100145763 [Source:Jamboree;Acc:XB-GENE-5767035]	1.6021	0.0002
ENSXETG00000024935	XB-GENE-5772074	hypothetical protein LOC100144966 [Source:Jamboree;Acc:XB-GENE-5772074]	1.7526	0.0000
ENSXETG00000025417	XB-GENE-5807237	hypothetical protein MGC68519 [Source:Jamboree;Acc:XB-GENE-5807237]	2.7804	0.0294
ENSXETG00000024925	XB-GENE-5857129	hypothetical LOC495492 [Source:Jamboree;Acc:XB-GENE-5857129]	2.2923	0.0077

ENSXETG00000019505	XB-GENE-5934805	hypothetical protein LOC779521 [Source:Jamboree;Acc:XB-GENE-5934805]	1.4046	0.0244
ENSXETG00000005334	XB-GENE-5961850	hypothetical protein LOC100144987 [Source:Jamboree;Acc:XB-GENE-5961850]	2.5098	0.0000
ENSXETG00000009147	XB-GENE-5962512	hypothetical protein LOC100125055 [Source:Jamboree;Acc:XB-GENE-5962512]	1.6175	0.0003
ENSXETG00000022463	XB-GENE-5962543	hypothetical LOC494812 [Source:Jamboree;Acc:XB-GENE-5962543]	1.9991	0.0015
ENSXETG00000007209	XB-GENE-5994048	N/A	1.6616	0.0016
ENSXETG00000002677	XB-GENE-942501	Putative ortholog of pCTP-like protein (PCTP-L) (StAR-related lipid transfer protein 10) (StARD10) (START domain-containing protein 10) (Serologically defined colon cancer antigen 28 homolog), 1 of 1 [Source:Jamboree;Acc:XB-GENE-942501]	1.3480	0.0472
ENSXETG00000022124	XB-GENE-947799	Putative ortholog of aDP-ribosylation factor, 4 of 4 [Source:Jamboree;Acc:XB-GENE-947799]	1.3263	0.0198
ENSXETG00000023590	XB-GENE-950725	Putative ortholog of aTP-binding cassette, sub-family B, member 5; P-glycoprotein ABCB5 [Similar to Homo sapien gene from Source:RefSeq;Acc:NM_178559], 1 of 1 [Source:Jamboree;Acc:XB-GENE-950725]	1.3589	0.0070
ENSXETG00000010002	XB-GENE-987370	Putative ortholog of urokinase-type plasminogen activator precursor (EC 3.4.21.73) (uPA) (U-plasminogen activator), 1 of 1 [Source:Jamboree;Acc:XB-GENE-987370]	2.2266	0.0000
ENSXETG00000000921	XB-GENE-993949	Putative ortholog of rho guanine nucleotide exchange factor 3 (Exchange factor found in platelets and leukemic and neuronal tissues) (XPLN), 1 of 1 [Source:Jamboree;Acc:XB-GENE-993949]	1.3328	0.0257
ENSXETG00000028993	XTR-MIR-128-2	xtr-mir-128-2 [Source:miRBase;Acc:MI0004828]	1.7897	0.0000
ENSXETG00000029129	XTR-MIR-489	xtr-mir-489 [Source:miRBase;Acc:MI0004884]	1.3538	0.0137
ENSXETG00000029091	XTR-MIR-7-2	xtr-mir-7-2 [Source:miRBase;Acc:MI0004792]	1.3474	0.0022
ENSXETG00000022950	ZBTB16	zinc finger and BTB domain containing 16 [Source:Jamboree;Acc:XB-GENE-478310]	1.4093	0.0006
ENSXETG00000022529	ZBTB25	zinc finger and BTB domain containing 25 [Source:Jamboree;Acc:XB-GENE-958947]	1.2986	0.0412
ENSXETG00000018372	ZCCHC24	zinc finger, CCHC domain containing 24 [Source:Jamboree;Acc:XB-GENE-994546]	1.2763	0.0446
ENSXETG00000000694	ZDHHC2	zinc finger, DHHC-type containing 2 [Source:Jamboree;Acc:XB-GENE-947256]	1.5667	0.0001
ENSXETG00000013463	ZMYND12	zinc finger, MYND-type containing 12 [Source:Jamboree;Acc:XB-GENE-978195]	1.5027	0.0096
ENSXETG00000001331	ZNF804A	zinc finger protein 804A [Source:Jamboree;Acc:XB-GENE-6458561]	1.3927	0.0240

Complete List of Downregulated Genes Between NF stage 56 and 66

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000001210	AACS	acetoacetyl-CoA synthetase [Source:Jamboree;Acc:XB-GENE-490085]	0.6439	0.0000
ENSXETG00000021974	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10 [Source:Jamboree;Acc:XB-GENE-6464279]	0.3705	0.0133
ENSXETG00000026360	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6 [Source:Jamboree;Acc:XB-GENE-6465366]	0.3989	0.0000
ENSXETG00000009199	ABHD10	abhydrolase domain containing 10 [Source:Jamboree;Acc:XB-GENE-994024]	0.8014	0.0176
ENSXETG00000003147	ABHD3	abhydrolase domain containing 3 [Source:Jamboree;Acc:XB-GENE-984642]	0.7805	0.0474
ENSXETG00000020333	ACAA2	acetyl-CoA acyltransferase 2 [Source:Jamboree;Acc:XB-GENE-5827758]	0.6829	0.0029
ENSXETG00000021174	ACAT2	acetyl-CoA acetyltransferase 2 [Source:Jamboree;Acc:XB-GENE-5929870]	0.5099	0.0000
ENSXETG00000006826	ACSF2	acyl-CoA synthetase family member 2 [Source:Jamboree;Acc:XB-GENE-993379]	0.5659	0.0007
ENSXETG00000004291	ACSS2.2	acyl-CoA synthetase short-chain family member 2, gene 2 [Source:Jamboree;Acc:XB-GENE-5916994]	0.6074	0.0000
ENSXETG00000014528	ACSS3	acyl-CoA synthetase short-chain family member 3 [Source:Jamboree;Acc:XB-GENE-6035224]	0.5637	0.0000
ENSXETG00000009279	ACTA2	actin, alpha 2, smooth muscle, aorta [Source:Jamboree;Acc:XB-GENE-493937]	0.5866	0.0029
ENSXETG00000027641	ACTG1	actin, gamma 1 [Source:Jamboree;Acc:XB-GENE-491618]	0.7581	0.0027
ENSXETG00000007260	ACTL6A	actin-like 6A [Source:Jamboree;Acc:XB-GENE-491948]	0.6815	0.0088
ENSXETG00000000089	ACY1.1	aminoacylase 1, gene 1 [Source:Jamboree;Acc:XB-GENE-972681]	0.7984	0.0495
ENSXETG00000007838	ADAMTS7	ADAM metallopeptidase with thrombospondin type 1 motif, 7 [Source:Jamboree;Acc:XB-GENE-6037434]	0.6686	0.0015
ENSXETG00000009304	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide [Source:Jamboree;Acc:XB-GENE-977214]	0.6524	0.0019
ENSXETG00000000707	AGXT2	alanine--glyoxylate aminotransferase 2 [Source:Jamboree;Acc:XB-GENE-993827]	0.2029	0.0044
ENSXETG00000019486	AHCY	adenosylhomocysteinase [Source:Jamboree;Acc:XB-GENE-950017]	0.6680	0.0000
ENSXETG00000026355	AKAP12	A kinase (PRKA) anchor protein 12 [Source:Jamboree;Acc:XB-GENE-6459605]	0.6930	0.0032
ENSXETG00000014113	AKAP6	A kinase (PRKA) anchor protein 6 [Source:Jamboree;Acc:XB-GENE-982363]	0.7686	0.0298
ENSXETG00000008603	AKT1	v-akt murine thymoma viral oncogene homolog 1 [Source:Jamboree;Acc:XB-GENE-484953]	0.7842	0.0198
ENSXETG00000022017	ALAS2	aminolevulinate, delta-, synthase 2 [Source:Jamboree;Acc:XB-GENE-487573]	0.6056	0.0021
ENSXETG00000018751	ALDH1A3	aldehyde dehydrogenase 1 family, member A3 [Source:Jamboree;Acc:XB-GENE-992885]	0.4199	0.0022
ENSXETG00000011551	ALDH1L1	aldehyde dehydrogenase 1 family, member L1 [Source:Jamboree;Acc:XB-GENE-1016237]	0.5792	0.0277
ENSXETG00000024058	ALDOB	aldolase B, fructose-bisphosphate [Source:Jamboree;Acc:XB-GENE-5925393]	0.5545	0.0053
ENSXETG00000023244	ALPL	alkaline phosphatase, liver/bone/kidney [Source:Jamboree;Acc:XB-GENE-1010301]	0.3217	0.0007
ENSXETG00000014357	ANGEL2	angel homolog 2 [Source:Jamboree;Acc:XB-GENE-985562]	0.5836	0.0000
ENSXETG00000006436	ANKLE1	ankyrin repeat and LEM domain containing 1 [Source:Jamboree;Acc:XB-GENE-6045314]	0.6183	0.0000
ENSXETG00000008211	ANKRD10	ankyrin repeat domain 10 [Source:Jamboree;Acc:XB-GENE-999908]	0.7645	0.0014
ENSXETG00000024150	ANKRD24	ankyrin repeat domain 24 [Source:Jamboree;Acc:XB-GENE-984388]	0.7925	0.0435
ENSXETG00000009516	ANP32C	acidic (leucine-rich) nuclear phosphoprotein 32 family, member C [Source:Jamboree;Acc:XB-GENE-991758]	0.6734	0.0000
ENSXETG00000022564	AP1G2	adaptor-related protein complex 1, gamma 2 subunit [Source:HGNC Symbol;Acc:HGNC:556]	0.8211	0.0341
ENSXETG00000022026	APEX2	APEX nuclease (apurinic/apyrimidinic endonuclease) 2 [Source:Jamboree;Acc:XB-GENE-1012054]	0.6250	0.0271
ENSXETG00000016439	APH1A	anterior pharynx defective 1 homolog A [Source:Jamboree;Acc:XB-GENE-921428]	0.7614	0.0055
ENSXETG00000023978	ARF6	ADP-ribosylation factor 6 [Source:Jamboree;Acc:XB-GENE-5743884]	0.7795	0.0216
ENSXETG00000003417	ARHGAP19	Rho GTPase activating protein 19 [Source:Jamboree;Acc:XB-GENE-6041529]	0.1873	0.0000
ENSXETG00000004957	ARHGAP28	Rho GTPase activating protein 28 [Source:Jamboree;Acc:XB-GENE-1013085]	0.7044	0.0198
ENSXETG00000021474	ARHGEF15	Rho guanine nucleotide exchange factor (GEF) 15 [Source:Jamboree;Acc:XB-GENE-6257375]	0.7769	0.0024
ENSXETG00000026166	ARL13A	ADP-ribosylation factor-like 13A [Source:Jamboree;Acc:XB-GENE-1007191]	0.7441	0.0324
ENSXETG00000024664	ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa [Source:Jamboree;Acc:XB-GENE-494089]	0.5843	0.0000
ENSXETG00000018085	ARRDC3	arrestin domain containing 3 [Source:Jamboree;Acc:XB-GENE-5732341]	0.7171	0.0267
ENSXETG00000000542	ARSB	arylsulfatase B [Source:Jamboree;Acc:XB-GENE-962085]	0.5546	0.0217
ENSXETG00000028029	ASF1B	ASF1 anti-silencing function 1 homolog B [Source:Jamboree;Acc:XB-GENE-1003005]	0.7407	0.0055
ENSXETG00000020547	ASXL3	additional sex combs like 3 [Source:Jamboree;Acc:XB-GENE-5858668]	0.7377	0.0034
ENSXETG00000023215	ATAD2	ATPase family, AAA domain containing 2 [Source:Jamboree;Acc:XB-GENE-995542]	0.3605	0.0001
ENSXETG00000024089	ATAT1	alpha tubulin acetyltransferase 1 [Source:Jamboree;Acc:XB-GENE-478280]	0.7953	0.0289
ENSXETG00000008803	ATF5	activating transcription factor 5 [Source:Jamboree;Acc:XB-GENE-5808898]	0.6890	0.0159
ENSXETG00000008804	ATF5.2	activating transcription factor 5, gene 2 [Source:Jamboree;Acc:XB-GENE-5902427]	0.6634	0.0097
ENSXETG00000023279	ATOH1	atonal homolog 1 [Source:Jamboree;Acc:XB-GENE-6452084]	0.3354	0.0004
ENSXETG00000016836	ATP13A4	ATPase type 13A4 [Source:Jamboree;Acc:XB-GENE-978090]	0.3487	0.0000
ENSXETG00000009695	ATP2A1	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1 [Source:Jamboree;Acc:XB-GENE-975115]	0.1237	0.0014
ENSXETG00000009097	AURKB	aurora kinase B [Source:Jamboree;Acc:XB-GENE-1019626]	0.2926	0.0000
ENSXETG00000012143	AXIN1	axin 1 [Source:Jamboree;Acc:XB-GENE-486781]	0.7810	0.0237
ENSXETG00000020389	B3GALT4	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 [Source:Jamboree;Acc:XB-GENE-919694]	0.7088	0.0418
ENSXETG00000022659	B9D1	B9 protein domain 1 [Source:Jamboree;Acc:XB-GENE-971084]	0.6448	0.0084
ENSXETG00000006257	BARHL1	BarH-like homeobox 1 [Source:Jamboree;Acc:XB-GENE-853661]	0.5141	0.0136
ENSXETG00000023986	BARHL2	BarH-like homeobox 2 [Source:Jamboree;Acc:XB-GENE-482777]	0.7048	0.0002
ENSXETG00000019324	BCAM	basal cell adhesion molecule (Lutheran blood group) [Source:Jamboree;Acc:XB-GENE-921467]	0.7045	0.0318
ENSXETG00000003772	BCL7A	B-cell CLL/lymphoma 7A [Source:Jamboree;Acc:XB-GENE-5754603]	0.7556	0.0068
ENSXETG00000009983	BIRC5.2	baculoviral IAP repeat containing 5 [Source:Jamboree;Acc:XB-GENE-966741]	0.5126	0.0004
ENSXETG00000008158	BMS1	BMS1 homolog, ribosome assembly protein [Source:Jamboree;Acc:XB-GENE-5796193]	0.7394	0.0374
ENSXETG00000018036	BNC2	basonuclin 2 [Source:Jamboree;Acc:XB-GENE-953157]	0.5824	0.0000
ENSXETG00000012171	BOC	Boc homolog [Source:Jamboree;Acc:XB-GENE-923398]	0.5712	0.0015
ENSXETG00000022543	BOD1	biorientation of chromosomes in cell division 1 [Source:Jamboree;Acc:XB-GENE-5810100]	0.7235	0.0008
ENSXETG00000018034	BPHL	biphenyl hydrolase-like (serine hydrolase) [Source:Jamboree;Acc:XB-GENE-988291]	0.6553	0.0000
ENSXETG00000010720	BRIP1	BRCA1 interacting protein C-terminal helicase 1 [Source:Jamboree;Acc:XB-GENE-492370]	0.3896	0.0097
ENSXETG00000026594	BTG1	B-cell translocation gene 1, anti-proliferative [Source:Jamboree;Acc:XB-GENE-1002920]	0.7457	0.0042
ENSXETG00000022448	BUB1	BUB1 budding uninhibited by benzimidazoles 1 homolog [Source:Jamboree;Acc:XB-GENE-974762]	0.3900	0.0000
ENSXETG00000000287	BUB1B	budding uninhibited by benzimidazoles 1 homolog beta [Source:Jamboree;Acc:XB-GENE-1010857]	0.2595	0.0000
ENSXETG00000007394	C10ORF140	chromosome 10 open reading frame 140 [Source:Jamboree;Acc:XB-GENE-976606]	0.3697	0.0000
ENSXETG00000006115	C14ORF1	chromosome 14 open reading frame 1 [Source:Jamboree;Acc:XB-GENE-956432]	0.7026	0.0118
ENSXETG00000002847	C14ORF45	chromosome 14 open reading frame 45 [Source:Jamboree;Acc:XB-GENE-5831965]	0.7675	0.0427
ENSXETG00000025071	C1ORF131	chromosome 1 open reading frame 131 [Source:Jamboree;Acc:XB-GENE-940972]	0.7342	0.0007
ENSXETG00000021242	C1ORF93	chromosome 1 open reading frame 93 [Source:Jamboree;Acc:XB-GENE-968463]	0.7472	0.0401
ENSXETG00000024098	C4ORF21	chromosome 4 open reading frame 21 [Source:Jamboree;Acc:XB-GENE-6461443]	0.4438	0.0012
ENSXETG00000015814	C7ORF44	chromosome 7 open reading frame 44 [Source:Jamboree;Acc:XB-GENE-6036209]	0.3687	0.0012
ENSXETG00000020410	CACHD1	cache domain containing 1 [Source:Jamboree;Acc:XB-GENE-1010398]	0.7578	0.0066

ENSXETG00000023618	CALD1	caldesmon 1 [Source:Jamboree;Acc:XB-GENE-963931]	0.7152	0.0022
ENSXETG00000003985	CAPRIN1	cell cycle associated protein 1 [Source:Jamboree;Acc:XB-GENE-942720]	0.7925	0.0297
ENSXETG00000015968	CASC5	cancer susceptibility candidate 5 [Source:HGNC Symbol;Acc:HGNC:24054]	0.2968	0.0001
ENSXETG00000001537	CASP3	caspase 3, apoptosis-related cysteine peptidase [Source:Jamboree;Acc:XB-GENE-479960]	0.6746	0.0000
ENSXETG00000016471	CASP7	caspase 7, apoptosis-related cysteine peptidase [Source:Jamboree;Acc:XB-GENE-484041]	0.4299	0.0006
ENSXETG00000006828	CASP9	caspase 9, apoptosis-related cysteine peptidase [Source:Jamboree;Acc:XB-GENE-483802]	0.7350	0.0029
ENSXETG00000020027	CBFB	core-binding factor, beta subunit [Source:Jamboree;Acc:XB-GENE-1016003]	0.6514	0.0000
ENSXETG00000021962	CBX1	chromobox homolog 1 [Source:Jamboree;Acc:XB-GENE-1005974]	0.7617	0.0033
ENSXETG00000003005	CBX2	chromobox homolog 2 [Source:Jamboree;Acc:XB-GENE-970247]	0.5538	0.0000
ENSXETG00000012175	CBX3	chromobox homolog 3 [Source:Jamboree;Acc:XB-GENE-492315]	0.7552	0.0015
ENSXETG00000015797	CCDC88C	coiled-coil domain containing 88C [Source:Jamboree;Acc:XB-GENE-1033686]	0.5910	0.0001
ENSXETG00000001016	CCNA2	cyclin A2 [Source:Jamboree;Acc:XB-GENE-923016]	0.2342	0.0000
ENSXETG00000026059	CCNB2	cyclin B2 [Source:Jamboree;Acc:XB-GENE-1005599]	0.3159	0.0098
ENSXETG00000022597	CCNB3	cyclin B3 [Source:Jamboree;Acc:XB-GENE-920213]	0.1408	0.0000
ENSXETG00000007909	CCNG1	cyclin G1 [Source:Jamboree;Acc:XB-GENE-922065]	0.8141	0.0312
ENSXETG00000007748	CCT3	chaperonin containing TCP1, subunit 3 (gamma) [Source:Jamboree;Acc:XB-GENE-6250478]	0.7569	0.0199
ENSXETG00000002227	CCT4	chaperonin containing TCP1, subunit 4 (delta) [Source:Jamboree;Acc:XB-GENE-974483]	0.7388	0.0031
ENSXETG00000010077	CCT6A	chaperonin containing TCP1, subunit 6A (zeta 1) [Source:Jamboree;Acc:XB-GENE-987462]	0.7281	0.0012
ENSXETG00000011778	CCT7	chaperonin containing TCP1, subunit 7 (eta) [Source:Jamboree;Acc:XB-GENE-988120]	0.7644	0.0059
ENSXETG00000020262	CCT8	chaperonin containing TCP1, subunit 8 (theta) [Source:Jamboree;Acc:XB-GENE-974316]	0.7575	0.0034
ENSXETG00000019035	CD151	CD151 molecule (Raph blood group) [Source:Jamboree;Acc:XB-GENE-480009]	0.7915	0.0310
ENSXETG00000022237	CD82	CD82 molecule [Source:Jamboree;Acc:XB-GENE-945242]	0.5266	0.0000
ENSXETG00000020610	CD97	CD97 molecule [Source:Jamboree;Acc:XB-GENE-952950]	0.6659	0.0000
ENSXETG00000013234	CDC14A	CDC14 cell division cycle 14 homolog A [Source:Jamboree;Acc:XB-GENE-960625]	0.7669	0.0337
ENSXETG00000018602	CDC45	cell division cycle 45 homolog (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-976058]	0.3916	0.0256
ENSXETG00000006803	CDCA4	cell division cycle associated 4 [Source:Jamboree;Acc:XB-GENE-992111]	0.7041	0.0013
ENSXETG00000023094	CDCA5	cell division cycle associated 5 [Source:Jamboree;Acc:XB-GENE-5908127]	0.4390	0.0000
ENSXETG00000002167	CDCA8	cell division cycle associated 8 [Source:Jamboree;Acc:XB-GENE-946929]	0.2074	0.0000
ENSXETG00000003123	CDK1	cyclin-dependent kinase 1 [Source:Jamboree;Acc:XB-GENE-482750]	0.1083	0.0000
ENSXETG00000001437	CDK4	cyclin-dependent kinase 4 [Source:Jamboree;Acc:XB-GENE-5900655]	0.7617	0.0286
ENSXETG00000000335	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase) [Source:Jamboree;Acc:XB-GENE-5959638]	0.7066	0.0023
ENSXETG00000018739	CDO1	cysteine dioxygenase, type I [Source:Jamboree;Acc:XB-GENE-998513]	0.6303	0.0003
ENSXETG00000021319	CENPE	centromere protein E, 312kDa [Source:Jamboree;Acc:XB-GENE-952286]	0.4889	0.0001
ENSXETG00000023124	CENPF	centromere protein F, 350/400kDa (mitosin) [Source:Jamboree;Acc:XB-GENE-1002205]	0.5283	0.0003
ENSXETG00000021289	CEP57L1	centrosomal protein 57kDa-like 1 [Source:Jamboree;Acc:XB-GENE-5897356]	0.5340	0.0106
ENSXETG00000007039	CETN3	centrin, EF-hand protein, 3 [Source:Jamboree;Acc:XB-GENE-1001054]	0.7506	0.0467
ENSXETG00000018063	CGA	glycoprotein hormones, alpha polypeptide [Source:Jamboree;Acc:XB-GENE-478483]	0.3774	0.0000
ENSXETG00000013014	CHAF1B	chromatin assembly factor 1, subunit B (p60) [Source:Jamboree;Acc:XB-GENE-996578]	0.1936	0.0000
ENSXETG00000026410	CHD4	chromodomain helicase DNA binding protein 4 [Source:Jamboree;Acc:XB-GENE-995848]	0.8127	0.0447
ENSXETG00000013409	CHMP6	chromatin modifying protein 6 [Source:Jamboree;Acc:XB-GENE-973527]	0.7310	0.0017
ENSXETG00000000078	CISH	cytokine inducible SH2-containing protein [Source:Jamboree;Acc:XB-GENE-490099]	0.4786	0.0027
ENSXETG00000020708	CKAP2	cytoskeleton associated protein 2 [Source:Jamboree;Acc:XB-GENE-1004436]	0.1007	0.0000
ENSXETG00000015421	CKS1B	CDC28 protein kinase regulatory subunit 1B [Source:Jamboree;Acc:XB-GENE-921479]	0.2736	0.0000
ENSXETG00000024073	CLIC1	chloride intracellular channel 1 [Source:Jamboree;Acc:XB-GENE-479419]	0.6369	0.0405
ENSXETG00000001242	CLMP	CXADR-like membrane protein [Source:Jamboree;Acc:XB-GENE-973667]	0.6423	0.0000
ENSXETG00000018919	CNN3	calponin 3, acidic [Source:Jamboree;Acc:XB-GENE-951266]	0.7183	0.0006
ENSXETG00000013497	CNPY1	canopy 1 homolog [Source:Jamboree;Acc:XB-GENE-981809]	0.7043	0.0006
ENSXETG00000005761	COL14A1	collagen, type XIV, alpha 1 [Source:Jamboree;Acc:XB-GENE-990916]	0.6273	0.0006
ENSXETG00000020318	COL1A2	collagen, type 1, alpha 2 [Source:Jamboree;Acc:XB-GENE-493264]	0.7317	0.0026
ENSXETG00000010784	COL5A2	collagen, type V, alpha 2 [Source:HGNC Symbol;Acc:HGNC:2210]	0.6262	0.0090
ENSXETG00000003154	COLEC12	collectin sub-family member 12 [Source:Jamboree;Acc:XB-GENE-984626]	0.4501	0.0000
ENSXETG00000017037	CPE	carboxypeptidase E [Source:Jamboree;Acc:XB-GENE-952270]	0.6255	0.0000
ENSXETG00000016392	CREB1	cAMP responsive element binding protein 1 [Source:Jamboree;Acc:XB-GENE-945015]	0.7825	0.0311
ENSXETG00000022904	CRK	v-crk sarcoma virus CT10 oncogene homolog [Source:Jamboree;Acc:XB-GENE-996357]	0.7402	0.0030
ENSXETG00000011600	CRMP1	collapsin response mediator protein 1 [Source:Jamboree;Acc:XB-GENE-992563]	0.7465	0.0010
ENSXETG00000016698	CRYM	crystallin, mu [Source:Jamboree;Acc:XB-GENE-970817]	0.6585	0.0107
ENSXETG00000008405	CTNNA1	catenin (cadherin-associated protein), alpha 1, 102kDa [Source:Jamboree;Acc:XB-GENE-479599]	0.5566	0.0043
ENSXETG00000014207	CUEDC2	CUE domain containing 2 [Source:Jamboree;Acc:XB-GENE-1015746]	0.7021	0.0025
ENSXETG00000014890	CXCR4	chemokine (C-X-C motif) receptor 4 [Source:Jamboree;Acc:XB-GENE-489917]	0.5939	0.0000
ENSXETG00000009054	CYB5R2	cytochrome b5 reductase 2 [Source:Jamboree;Acc:XB-GENE-1006041]	0.5310	0.0000
ENSXETG00000015938	CYP1C1	cytochrome P450 family 1 subfamily C polypeptide 1 [Source:RefSeq peptide;Acc:NP_001191176]	0.4985	0.0366
ENSXETG00000021546	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-991500]	0.4179	0.0000
ENSXETG00000003432	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-985396]	0.7162	0.0006
ENSXETG00000012355	DACH1	dachshund homolog 1 [Source:Jamboree;Acc:XB-GENE-980849]	0.6471	0.0028
ENSXETG00000019013	DBNL	drebrin-like [Source:Jamboree;Acc:XB-GENE-494566]	0.7874	0.0313
ENSXETG00000014193	DBX1	developing brain homeobox 1 [Source:Jamboree;Acc:XB-GENE-480177]	0.1834	0.0000
ENSXETG00000023649	DCK.1	deoxycytidine kinase, gene 1 [Source:Jamboree;Acc:XB-GENE-956567]	0.5377	0.0292
ENSXETG00000018331	DCK.2	deoxycytidine kinase, gene 2 [Source:Jamboree;Acc:XB-GENE-5727742]	0.3547	0.0000
ENSXETG00000016729	DCUN1D3	DCN1, defective in cullin neddylation 1, domain containing 3 [Source:Jamboree;Acc:XB-GENE-6258756]	0.7507	0.0230
ENSXETG00000012418	DCX	doublecortin [Source:Jamboree;Acc:XB-GENE-992092]	0.5582	0.0017
ENSXETG00000024086	DDR1	discoidin domain receptor tyrosine kinase 1 [Source:Jamboree;Acc:XB-GENE-485346]	0.5771	0.0000
ENSXETG00000020607	DDX39A	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A [Source:Jamboree;Acc:XB-GENE-966447]	0.6421	0.0000
ENSXETG00000011767	DDX43	DEAD (Asp-Glu-Ala-Asp) box polypeptide 43 [Source:Jamboree;Acc:XB-GENE-988016]	0.4882	0.0386
ENSXETG00000012580	DDX5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5 [Source:Jamboree;Acc:XB-GENE-1009995]	0.7465	0.0003
ENSXETG00000012376	DEPDC1	DEP domain containing 1 [Source:Jamboree;Acc:XB-GENE-1016421]	0.3396	0.0000
ENSXETG00000006073	DEPDC1B	DEP domain containing 1B [Source:Jamboree;Acc:XB-GENE-991208]	0.1443	0.0000
ENSXETG00000008945	DHCR7	7-dehydrocholesterol reductase [Source:Jamboree;Acc:XB-GENE-920362]	0.7463	0.0073
ENSXETG00000002036	DHRS11	dehydrogenase/reductase (SDR family) member 11 [Source:Jamboree;Acc:XB-GENE-6048420]	0.6462	0.0000
ENSXETG00000002875	DLC	putative ortholog of delta-like protein C precursor (SwissPro) [Source:Jamboree;Acc:XB-GENE-968497]	0.1976	0.0000
ENSXETG00000015731	DLGAP5	discs, large homolog-associated protein 5 [Source:Jamboree;Acc:XB-GENE-481549]	0.3110	0.0000
ENSXETG00000022525	DLL1	delta-like 1 [Source:Jamboree;Acc:XB-GENE-479210]	0.5200	0.0000
ENSXETG00000007481	DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9 [Source:Jamboree;Acc:XB-GENE-1012221]	0.6785	0.0013
ENSXETG00000020577	DPP3	dipeptidyl-peptidase 3 [Source:Jamboree;Acc:XB-GENE-5844045]	0.7389	0.0253
ENSXETG00000012718	DPYSL3	dihydropyrimidinase-like 3 [Source:Jamboree;Acc:XB-GENE-944729]	0.6723	0.0000
ENSXETG00000023585	DPYSL4	dihydropyrimidinase-like 4 [Source:Jamboree;Acc:XB-GENE-960292]	0.7785	0.0128
ENSXETG00000011970	DTX4	deltex homolog 4 [Source:Jamboree;Acc:XB-GENE-996046]	0.5151	0.0000
ENSXETG00000005925	DUS4L	dihydrouridine synthase 4-like [Source:Jamboree;Acc:XB-GENE-982821]	0.6593	0.0351
ENSXETG00000008156	DUSP4	dual specificity phosphatase 4 [Source:Jamboree;Acc:XB-GENE-1007215]	0.7127	0.0049
ENSXETG00000021428	E2F1	E2F transcription factor 1 [Source:Jamboree;Acc:XB-GENE-481741]	0.5465	0.0243
ENSXETG00000014320	E2F7	E2F transcription factor 7 [Source:Jamboree;Acc:XB-GENE-1018445]	0.2451	0.0052
ENSXETG00000004436	E2F8	E2F transcription factor 8 [Source:Jamboree;Acc:XB-GENE-1219148]	0.3500	0.0001
ENSXETG00000010153	EBF2	early B-cell factor 2 [Source:Jamboree;Acc:XB-GENE-971136]	0.6266	0.0000
ENSXETG00000011309	EBF3	early B-cell factor 3 [Source:Jamboree;Acc:XB-GENE-962543]	0.6387	0.0000
ENSXETG00000012756	EBF4	early B-cell factor 4 [Source:Jamboree;Acc:XB-GENE-6030626]	0.7493	0.0045
ENSXETG00000023596	ECT2	epithelial cell transforming sequence 2 oncogene [Source:Jamboree;Acc:XB-GENE-998093]	0.3015	0.0000
ENSXETG00000001182	EEF1A1	eukaryotic translation elongation factor 1 alpha 1 [Source:Jamboree;Acc:XB-GENE-480094]	0.7668	0.0032
ENSXETG00000022604	EEF1A1O	eukaryotic translation elongation factor 1 alpha 1, oocyte form [Source:Jamboree;Acc:XB-GENE-1218983]	0.3079	0.0000
ENSXETG00000010098	EEF1B2	eukaryotic translation elongation factor 1 beta 2 [Source:Jamboree;Acc:XB-GENE-966955]	0.7419	0.0034
ENSXETG00000003278	EFNA2	ephrin-A2 [Source:Jamboree;Acc:XB-GENE-488616]	0.6010	0.0000
ENSXETG00000014869	EFNA5	ephrin-A5 [Source:Jamboree;Acc:XB-GENE-488596]	0.7571	0.0081
ENSXETG00000013368	EGF	epidermal growth factor [Source:Jamboree;Acc:XB-GENE-951823]	0.7575	0.0315
ENSXETG00000002600	EGLN2	egl nine homolog 2 [Source:Jamboree;Acc:XB-GENE-961781]	0.4843	0.0000
ENSXETG00000000304	EGLN3	egl nine homolog 3 [Source:Jamboree;Acc:XB-GENE-964334]	0.7937	0.0239
ENSXETG00000008167	EIF3M	eukaryotic translation initiation factor 3, subunit M [Source:Jamboree;Acc:XB-GENE-968605]	0.7149	0.0002
ENSXETG00000013674	EIF4G2	eukaryotic translation initiation factor 4 gamma, 2 [Source:Jamboree;Acc:XB-GENE-996465]	0.7973	0.0208
ENSXETG00000008752	ELAVL1	ELAV (embryonic lethal, abnormal vision)-like 1 (Hu antigen R) [Source:Jamboree;Acc:XB-GENE-481800]	0.7905	0.0236

ENSXETG00000016741	ELAVL3	ELAV (embryonic lethal, abnormal vision)-like 3 (Hu antigen C) [Source:Jamboree;Acc:XB-GENE-490864]	0.6888	0.0046
ENSXETG00000024641	ELOVL2	ELOVL fatty acid elongase 2 [Source:Jamboree;Acc:XB-GENE-489753]	0.7709	0.0171
ENSXETG00000015994	ELOVL5	ELOVL fatty acid elongase 5 [Source:Jamboree;Acc:XB-GENE-952346]	0.7785	0.0260
ENSXETG00000017712	EMB	embigin [Source:Jamboree;Acc:XB-GENE-6258633]	0.6805	0.0038
ENSXETG00000012783	EMP2	epithelial membrane protein 2 [Source:Jamboree;Acc:XB-GENE-957163]	0.4559	0.0000
ENSXETG00000022080	EMX2	empty spiracles homeobox 2 [Source:Jamboree;Acc:XB-GENE-481028]	0.6780	0.0013
ENSXETG00000013496	EN2	engrailed homeobox 2 [Source:Jamboree;Acc:XB-GENE-853108]	0.6290	0.0000
ENSXETG00000006439	ENC1.2	ectodermal-neural cortex (with BTB-like domain), gene 2 [Source:Jamboree;Acc:XB-GENE-5914613]	0.7303	0.0003
ENSXETG00000001534	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6 [Source:Jamboree;Acc:XB-GENE-977063]	0.4553	0.0025
ENSXETG00000014407	EPB41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked) [Source:Jamboree;Acc:XB-GENE-481625]	0.6902	0.0000
ENSXETG00000022574	ERCC6L	excision repair cross-complementing rodent repair deficiency, complementation group 6-like [Source:Jamboree;Acc:XB-GENE-988849]	0.2722	0.0026
ENSXETG00000020442	ESCO2	establishment of cohesion 1 homolog 2 (S. cerevisiae) [Source:Jamboree;Acc:XB-GENE-5955289]	0.2738	0.0000
ENSXETG00000015425	ESD	esterase D [Source:Jamboree;Acc:XB-GENE-952572]	0.6848	0.0036
ENSXETG00000025522	ESR10	enhancer of split related 10 [Source:Jamboree;Acc:XB-GENE-6492485]	0.4784	0.0002
ENSXETG00000000736	EVX1	even-skipped homeobox 1 [Source:Jamboree;Acc:XB-GENE-483664]	0.6323	0.0290
ENSXETG00000007572	EVX2	even-skipped homeobox 2 [Source:Jamboree;Acc:XB-GENE-852923]	0.5503	0.0030
ENSXETG00000021118	EXOSC9	exosome component 9 [Source:Jamboree;Acc:XB-GENE-992913]	0.6723	0.0031
ENSXETG00000020146	EZH2	enhancer of zeste homolog 2 [Source:Jamboree;Acc:XB-GENE-956215]	0.5784	0.0000
ENSXETG00000023297	FABP7	fatty acid binding protein 7, brain [Source:Jamboree;Acc:XB-GENE-967704]	0.4090	0.0000
ENSXETG00000005660	FAM110B	family with sequence similarity 110, member B [Source:Jamboree;Acc:XB-GENE-961184]	0.7770	0.0352
ENSXETG00000022076	FAM117B	family with sequence similarity 117, member B [Source:Jamboree;Acc:XB-GENE-990574]	0.7434	0.0023
ENSXETG00000011615	FAM171A2	family with sequence similarity 171, member A2 [Source:Jamboree;Acc:XB-GENE-5900474]	0.7716	0.0398
ENSXETG00000011390	FAM36A	family with sequence similarity 36, member A [Source:Jamboree;Acc:XB-GENE-6041252]	0.7949	0.0346
ENSXETG00000003878	FAM53A	family with sequence similarity 53, member A [Source:Jamboree;Acc:XB-GENE-920487]	0.6525	0.0015
ENSXETG00000017718	FAM54A	family with sequence similarity 54, member A [Source:Jamboree;Acc:XB-GENE-987506]	0.5326	0.0166
ENSXETG00000002679	FAM60A	family with sequence similarity 60, member A [Source:Jamboree;Acc:XB-GENE-995755]	0.5098	0.0166
ENSXETG00000026473	FAM64A	family with sequence similarity 64, member A [Source:Jamboree;Acc:XB-GENE-983497]	0.2010	0.0000
ENSXETG00000012144	FAM83D	family with sequence similarity 83, member D [Source:Jamboree;Acc:XB-GENE-964363]	0.4288	0.0001
ENSXETG00000007231	FGFR4	fibroblast growth factor receptor 4 [Source:Jamboree;Acc:XB-GENE-478699]	0.4230	0.0000
ENSXETG00000003608	FILIP1	filamin A interacting protein 1 [Source:Jamboree;Acc:XB-GENE-1003881]	0.4328	0.0000
ENSXETG00000024642	FJX1	four jointed box 1 [Source:Jamboree;Acc:XB-GENE-921364]	0.7331	0.0398
ENSXETG00000002288	FKBP10	FK506 binding protein 10, 65 kDa [Source:Jamboree;Acc:XB-GENE-1007111]	0.6564	0.0115
ENSXETG00000025867	FOXA1	forkhead box A1 [Source:Jamboree;Acc:XB-GENE-487352]	0.4792	0.0107
ENSXETG00000026998	FOXA2	forkhead box A2 [Source:Jamboree;Acc:XB-GENE-480476]	0.5808	0.0272
ENSXETG00000017708	FOXB1	forkhead box B1 [Source:Jamboree;Acc:XB-GENE-1018255]	0.7576	0.0228
ENSXETG00000016818	FOXD1	forkhead box D1 [Source:Jamboree;Acc:XB-GENE-488077]	0.5029	0.0477
ENSXETG00000001315	FOXM1	forkhead box M1 [Source:Jamboree;Acc:XB-GENE-854081]	0.2187	0.0000
ENSXETG00000011856	FOXP4	forkhead box P4 [Source:Jamboree;Acc:XB-GENE-982692]	0.5610	0.0000
ENSXETG00000001339	FRZB	frizzled-related protein [Source:Jamboree;Acc:XB-GENE-481353]	0.4725	0.0000
ENSXETG00000000909	FSD1L	fibronectin type III and SPRY domain containing 1-like [Source:Jamboree;Acc:XB-GENE-984316]	0.6714	0.0167
ENSXETG00000006939	FTSJ3	FtsJ homolog 3 [Source:Jamboree;Acc:XB-GENE-5797493]	0.7488	0.0439
ENSXETG00000017502	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase) [Source:Jamboree;Acc:XB-GENE-976919]	0.5787	0.0043
ENSXETG00000002931	FZD10	frizzled family receptor 10 [Source:Jamboree;Acc:XB-GENE-480379]	0.4634	0.0000
ENSXETG00000008840	FZD2	frizzled family receptor 2 [Source:Jamboree;Acc:XB-GENE-487022]	0.5592	0.0002
ENSXETG00000016171	GATA2	GATA binding protein 2 [Source:Jamboree;Acc:XB-GENE-478165]	0.7722	0.0188
ENSXETG00000025398	GATA3	GATA binding protein 3 [Source:Jamboree;Acc:XB-GENE-485930]	0.6528	0.0001
ENSXETG00000010875	GCOM1	GRINL1A complex locus [Source:Jamboree;Acc:XB-GENE-5886632]	0.6953	0.0077
ENSXETG00000014248	GH1	growth hormone 1 [Source:Jamboree;Acc:XB-GENE-487882]	0.2156	0.0000
ENSXETG00000003391	GJC1	gap junction protein, gamma 1, 45kDa [Source:Jamboree;Acc:XB-GENE-491089]	0.2340	0.0000
ENSXETG00000017144	GLI1.1	GLI family zinc finger 1, gene 1 [Source:Jamboree;Acc:XB-GENE-482644]	0.5561	0.0264
ENSXETG00000001856	GLI3	GLI family zinc finger 3 [Source:Jamboree;Acc:XB-GENE-484855]	0.6720	0.0023
ENSXETG00000004534	GLRX2	glutaredoxin 2 [Source:Jamboree;Acc:XB-GENE-963812]	0.7632	0.0204
ENSXETG00000014814	GMNN	geminin, DNA replication inhibitor [Source:Jamboree;Acc:XB-GENE-966994]	0.5624	0.0131
ENSXETG00000005954	GMPPB	GDP-mannose pyrophosphorylase B [Source:Jamboree;Acc:XB-GENE-922650]	0.7348	0.0424
ENSXETG00000004002	GPC2	glypican 2 [Source:Jamboree;Acc:XB-GENE-6258957]	0.3395	0.0022
ENSXETG00000005400	GPC4	glypican 4 [Source:Jamboree;Acc:XB-GENE-976427]	0.6876	0.0001
ENSXETG00000002410	GPR161	G protein-coupled receptor 161 [Source:Jamboree;Acc:XB-GENE-1003408]	0.5012	0.0000
ENSXETG00000022118	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like) [Source:Jamboree;Acc:XB-GENE-962315]	0.7329	0.0208
ENSXETG00000019628	GPR98	G protein-coupled receptor 98 [Source:Jamboree;Acc:XB-GENE-1010012]	0.6191	0.0001
ENSXETG00000011784	GSX1	GS homeobox 1 [Source:Jamboree;Acc:XB-GENE-855502]	0.6272	0.0120
ENSXETG00000021030	GSX2	GS homeobox 2 [Source:Jamboree;Acc:XB-GENE-492505]	0.1840	0.0406
ENSXETG00000006091	GTF2B	general transcription factor 2B [Source:Jamboree;Acc:XB-GENE-494448]	0.7764	0.0454
ENSXETG00000024745	H1FX	H1 histone family, member X [Source:Jamboree;Acc:XB-GENE-5928644]	0.6581	0.0001
ENSXETG00000016179	H2AFJ	H2A histone family, member J [Source:Jamboree;Acc:XB-GENE-5838625]	0.7667	0.0299
ENSXETG00000017150	H2AFY2	H2A histone family, member Y2 [Source:Jamboree;Acc:XB-GENE-1015564]	0.6635	0.0000
ENSXETG00000022641	H3F3A	Histone H3.3 [Source:UniProtKB/Swiss-Prot;Acc:Q6P823]	0.7505	0.0164
ENSXETG00000014841	HABP4	hyaluronan binding protein 4 [Source:Jamboree;Acc:XB-GENE-490018]	0.3908	0.0000
ENSXETG00000012489	HAP1	huntingtin-associated protein 1 [Source:Jamboree;Acc:XB-GENE-493040]	0.5855	0.0000
ENSXETG00000021500	HAUS1	HAUS augmin-like complex, subunit 1 [Source:Jamboree;Acc:XB-GENE-962939]	0.3514	0.0001
ENSXETG00000024626	HBD	hemoglobin, delta [Source:Jamboree;Acc:XB-GENE-5844531]	0.4002	0.0000
ENSXETG00000005253	HDAC1	histone deacetylase 1 [Source:Jamboree;Acc:XB-GENE-479583]	0.7244	0.0008
ENSXETG00000010661	HDAC7	histone deacetylase 7 [Source:Jamboree;Acc:XB-GENE-488662]	0.7855	0.0435
ENSXETG00000012081	HES5.1	hairy and enhancer of split 5, gene 1 [Source:Jamboree;Acc:XB-GENE-481135]	0.3292	0.0000
ENSXETG00000012080	HES5.2	hairy and enhancer of split 5, gene 2 [Source:Jamboree;Acc:XB-GENE-876635]	0.7221	0.0335
ENSXETG00000005911	HES6.1	hairy and enhancer of split 6, gene 1 [Source:Jamboree;Acc:XB-GENE-1018104]	0.7211	0.0001
ENSXETG00000022245	HES9.1	hairy and enhancer of split 9, gene 1 [Source:Jamboree;Acc:XB-GENE-5922592]	0.4266	0.0000
ENSXETG00000027927	HIST2H3D	histone cluster 2, H3d [Source:Jamboree;Acc:XB-GENE-5889771]	0.7731	0.0411
ENSXETG00000016916	HMGB2	high mobility group box 2 [Source:Jamboree;Acc:XB-GENE-1000246]	0.4868	0.0003
ENSXETG00000007740	HMGB3	high mobility group box 3 [Source:Jamboree;Acc:XB-GENE-1002014]	0.8037	0.0407
ENSXETG00000005084	HMGCR	3-hydroxy-3-methylglutaryl-CoA reductase [Source:Jamboree;Acc:XB-GENE-5840593]	0.6466	0.0000
ENSXETG00000016587	HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble) [Source:Jamboree;Acc:XB-GENE-942074]	0.6273	0.0000
ENSXETG00000025097	HMGN1	high mobility group nucleosome binding domain 1 [Source:Jamboree;Acc:XB-GENE-5782073]	0.7419	0.0022
ENSXETG00000012323	HMGN2	high mobility group nucleosomal binding domain 2 [Source:Jamboree;Acc:XB-GENE-1015271]	0.6961	0.0000
ENSXETG00000025850	HMGN3	high mobility group nucleosomal binding domain 3 [Source:Jamboree;Acc:XB-GENE-482143]	0.7538	0.0196
ENSXETG00000007906	HMMR	hyaluronan-mediated motility receptor (RHAMM) [Source:Jamboree;Acc:XB-GENE-5851601]	0.1652	0.0000
ENSXETG00000003833	HNRNPA0	heterogeneous nuclear ribonucleoprotein A0 [Source:Jamboree;Acc:XB-GENE-1000573]	0.7139	0.0004
ENSXETG00000021277	HNRNPA1	heterogeneous nuclear ribonucleoprotein A1 [Source:Jamboree;Acc:XB-GENE-493963]	0.6809	0.0000
ENSXETG00000012170	HNRNPA2B1	heterogeneous nuclear ribonucleoprotein A2/B1 [Source:Jamboree;Acc:XB-GENE-490993]	0.7930	0.0049
ENSXETG00000001806	HNRNPA3	heterogeneous nuclear ribonucleoprotein A3 [Source:Jamboree;Acc:XB-GENE-5878765]	0.7842	0.0035
ENSXETG00000023567	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9) [Source:Jamboree;Acc:XB-GENE-876768]	0.7674	0.0031
ENSXETG00000007102	HNRNPR	heterogeneous nuclear ribonucleoprotein R [Source:Jamboree;Acc:XB-GENE-5726055]	0.7278	0.0023
ENSXETG00000000716	HOXA2	homeobox A2 [Source:Jamboree;Acc:XB-GENE-488087]	0.5206	0.0415
ENSXETG00000000717	HOXA3	homeobox A3 [Source:Jamboree;Acc:XB-GENE-482267]	0.3979	0.0002
ENSXETG00000000722	HOXA7	homeobox A7 [Source:Jamboree;Acc:XB-GENE-483655]	0.2055	0.0118
ENSXETG00000027353	HOXB2	homeobox B2 [Source:Jamboree;Acc:XB-GENE-478525]	0.3616	0.0060
ENSXETG00000021967	HOXB3	homeobox B3 [Source:Jamboree;Acc:XB-GENE-482576]	0.1213	0.0006
ENSXETG00000021978	HOXB5	homeobox B5 [Source:Jamboree;Acc:XB-GENE-1005991]	0.0098	0.0278
ENSXETG00000027351	HOXB7	homeobox B7 [Source:Jamboree;Acc:XB-GENE-5959293]	0.0000	0.0006
ENSXETG00000027350	HOXB9	homeobox B9 [Source:Jamboree;Acc:XB-GENE-963094]	0.0000	0.0206
ENSXETG00000025183	HOXC5	homeobox C5 [Source:Jamboree;Acc:XB-GENE-485672]	0.0093	0.0074
ENSXETG00000001800	HOXD3	homeobox D3 [Source:Jamboree;Acc:XB-GENE-478462]	0.3145	0.0079
ENSXETG00000009487	HP1BP3	heterochromatin protein 1, binding protein 3 [Source:Jamboree;Acc:XB-GENE-997427]	0.7293	0.0017
ENSXETG00000019215	HPGDS	hematopoietic prostaglandin D synthase [Source:Jamboree;Acc:XB-GENE-944778]	0.5625	0.0000
ENSXETG00000007214	HS3ST6	heparan sulfate (glucosamine) 3-O-sulfotransferase 6 [Source:Jamboree;Acc:XB-GENE-966707]	0.4657	0.0001
ENSXETG00000007330	HYAL2	hyaluronoglucosaminidase 2 [Source:Jamboree;Acc:XB-GENE-5799791]	0.5168	0.0000

ENSXETG00000008032	IDH1	isocitrate dehydrogenase 1 (NADP+), soluble [Source:Jamboree;Acc:XB-GENE-1004994]	0.6925	0.0002
ENSXETG00000027622	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial [Source:Jamboree;Acc:XB-GENE-976315]	0.7239	0.0004
ENSXETG00000014020	IGF2	insulin-like growth factor 2 (somatomedin A) [Source:Jamboree;Acc:XB-GENE-482586]	0.3442	0.0000
ENSXETG00000007396	IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3 [Source:Jamboree;Acc:XB-GENE-483018]	0.4684	0.0000
ENSXETG00000014721	IGFBPL1	insulin-like growth factor binding protein-like 1 [Source:Jamboree;Acc:XB-GENE-484137]	0.7112	0.0003
ENSXETG00000008115	IGSF9	immunoglobulin superfamily, member 9 [Source:Jamboree;Acc:XB-GENE-989817]	0.7452	0.0140
ENSXETG00000014290	ILF2	interleukin enhancer binding factor 2, 45kDa [Source:Jamboree;Acc:XB-GENE-876477]	0.7641	0.0033
ENSXETG00000006735	INCENP	inner centromere protein antigens 135/155kDa [Source:Jamboree;Acc:XB-GENE-990398]	0.2854	0.0000
ENSXETG00000009686	INSM1	insulinoma-associated 1 [Source:Jamboree;Acc:XB-GENE-993149]	0.5998	0.0000
ENSXETG00000006958	IRX1	iroquois homeobox 1 [Source:Jamboree;Acc:XB-GENE-486817]	0.6857	0.0002
ENSXETG00000012653	IRX2	iroquois homeobox 2 [Source:Jamboree;Acc:XB-GENE-480618]	0.7249	0.0025
ENSXETG00000005818	IRX3	iroquois homeobox 3 [Source:Jamboree;Acc:XB-GENE-480486]	0.5719	0.0000
ENSXETG00000008892	IRX4	iroquois homeobox 4 [Source:Jamboree;Acc:XB-GENE-480570]	0.5921	0.0012
ENSXETG00000002816	IRX5	iroquois homeobox 5 [Source:Jamboree;Acc:XB-GENE-484376]	0.5721	0.0000
ENSXETG00000003569	KARS	lysyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-943468]	0.7207	0.0018
ENSXETG00000013891	KCNJ13	potassium inwardly-rectifying channel, subfamily J, member 13 [Source:Jamboree;Acc:XB-GENE-983214]	0.3915	0.0106
ENSXETG00000009961	KCNK5	potassium channel, subfamily K, member 5 [Source:Jamboree;Acc:XB-GENE-979847]	0.6563	0.0079
ENSXETG00000016868	KCTD15	potassium channel tetramerisation domain containing 15 [Source:Jamboree;Acc:XB-GENE-944069]	0.7480	0.0325
ENSXETG00000017975	KDM3A	lysine (K)-specific demethylase 3A [Source:Jamboree;Acc:XB-GENE-1012801]	0.5687	0.0000
ENSXETG00000003483	KDM4A	lysine (K)-specific demethylase 4A [Source:Jamboree;Acc:XB-GENE-1010381]	0.7707	0.0142
ENSXETG00000007973	KDM5B	lysine (K)-specific demethylase 5B [Source:Jamboree;Acc:XB-GENE-856240]	0.7848	0.0076
ENSXETG00000005246	KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1 [Source:Jamboree;Acc:XB-GENE-479347]	0.7713	0.0033
ENSXETG00000027460	KIAA0101	KIAA0101 [Source:Jamboree;Acc:XB-GENE-1006964]	0.6266	0.0409
ENSXETG00000013796	KIAA0895L	KIAA0895-like [Source:Jamboree;Acc:XB-GENE-6039311]	0.7541	0.0091
ENSXETG00000001833	KIAA0922	KIAA0922 [Source:Jamboree;Acc:XB-GENE-983404]	0.7875	0.0111
ENSXETG00000003062	KIAA0930	KIAA0930 [Source:Jamboree;Acc:XB-GENE-979872]	0.7325	0.0022
ENSXETG00000010677	KIAA1530	KIAA1530 [Source:Jamboree;Acc:XB-GENE-5833232]	0.7343	0.0387
ENSXETG00000011574	KIAA1549	KIAA1549 [Source:Jamboree;Acc:XB-GENE-6257828]	0.7760	0.0279
ENSXETG00000021381	KIAA1826	KIAA1826 [Source:Jamboree;Acc:XB-GENE-5752051]	0.7463	0.0010
ENSXETG00000002229	KIAA1958	KIAA1958 [Source:Jamboree;Acc:XB-GENE-5969966]	0.7351	0.0084
ENSXETG00000012213	KIF11	kinesin family member 11 [Source:Jamboree;Acc:XB-GENE-978999]	0.3988	0.0015
ENSXETG00000008497	KIF15	kinesin family member 15 [Source:Jamboree;Acc:XB-GENE-1005654]	0.4990	0.0000
ENSXETG00000006721	KIF20A	kinesin family member 20A [Source:Jamboree;Acc:XB-GENE-967269]	0.1252	0.0000
ENSXETG00000017099	KIF21B	kinesin family member 21B [Source:Jamboree;Acc:XB-GENE-981200]	0.7486	0.0024
ENSXETG00000004673	KIF22	kinesin family member 22 [Source:Jamboree;Acc:XB-GENE-979888]	0.3700	0.0000
ENSXETG00000007829	KIF23	kinesin family member 23 [Source:Jamboree;Acc:XB-GENE-999865]	0.2458	0.0000
ENSXETG00000023080	KIF26A	kinesin family member 26A [Source:Jamboree;Acc:XB-GENE-6051360]	0.7342	0.0105
ENSXETG00000000516	KLHL20	kelch-like 20 [Source:Jamboree;Acc:XB-GENE-960635]	0.7544	0.0329
ENSXETG00000007622	KLHL25	kelch-like 25 [Source:Jamboree;Acc:XB-GENE-964636]	0.5271	0.0001
ENSXETG00000015058	KLHL35	kelch-like 35 [Source:Jamboree;Acc:XB-GENE-1009038]	0.5608	0.0000
ENSXETG00000007799	KNTC1	kinetochore associated 1 [Source:Jamboree;Acc:XB-GENE-1011946]	0.5229	0.0177
ENSXETG00000001594	KPNA2	karyopherin alpha-2 subunit like [Source:Jamboree;Acc:XB-GENE-979796]	0.5620	0.0000
ENSXETG00000025345	KRT12	keratin family [Source:RefSeq peptide;Acc:NP_001016659]	0.0705	0.0163
ENSXETG00000004956	LAMA1	laminin, alpha 1 [Source:Jamboree;Acc:XB-GENE-968308]	0.5782	0.0010
ENSXETG00000009352	LDLR	low density lipoprotein receptor [Source:Jamboree;Acc:XB-GENE-962372]	0.6370	0.0001
ENSXETG00000021102	LEF1	lymphoid enhancer-binding factor 1 [Source:Jamboree;Acc:XB-GENE-485517]	0.5612	0.0392
ENSXETG00000016034	LHFP	lipoma HMGIC fusion partner [Source:Jamboree;Acc:XB-GENE-944757]	0.7242	0.0173
ENSXETG00000000546	LHFPL2	lipoma HMGIC fusion partner-like 2 [Source:Jamboree;Acc:XB-GENE-958342]	0.6707	0.0028
ENSXETG00000008963	LHX1	LIM homeobox 1 [Source:Jamboree;Acc:XB-GENE-482482]	0.6752	0.0000
ENSXETG00000020776	LHX2	LIM homeobox 2 [Source:Jamboree;Acc:XB-GENE-490331]	0.6893	0.0002
ENSXETG00000017665	LHX5	LIM homeobox 5 [Source:Jamboree;Acc:XB-GENE-490400]	0.7615	0.0234
ENSXETG00000009957	LHX9	LIM homeobox 9 [Source:Jamboree;Acc:XB-GENE-492044]	0.6946	0.0000
ENSXETG00000003251	LIMD2	LIM domain containing 2 [Source:Jamboree;Acc:XB-GENE-986974]	0.7929	0.0225
ENSXETG00000022391	LIPG	lipase, endothelial [Source:Jamboree;Acc:XB-GENE-1011639]	0.2789	0.0016
ENSXETG00000024896	LITAF	lipopolysaccharide-induced TNF factor [Source:Jamboree;Acc:XB-GENE-1017030]	0.6062	0.0055
ENSXETG00000014034	LIX1L	Lix1 homolog-like [Source:Jamboree;Acc:XB-GENE-6040737]	0.7300	0.0006
ENSXETG00000013512	LMBR1	limb region 1 homolog [Source:Jamboree;Acc:XB-GENE-981846]	0.6600	0.0000
ENSXETG00000005162	LMNB1	lamin B1 [Source:Jamboree;Acc:XB-GENE-489658]	0.4081	0.0000
ENSXETG00000016168	LMOD3	leiomodin 3 (fetal) [Source:Jamboree;Acc:XB-GENE-5737414]	0.4432	0.0000
ENSXETG00000013183	LMX1A	LIM homeobox transcription factor 1, alpha [Source:Jamboree;Acc:XB-GENE-481569]	0.4149	0.0000
ENSXETG00000000742	LMX1B.1	LIM homeobox transcription factor 1, beta, gene 1 [Source:Jamboree;Acc:XB-GENE-494750]	0.5396	0.0000
ENSXETG00000000641	LMX1B.2	LIM homeobox transcription factor 1, beta, gene 2 [Source:Jamboree;Acc:XB-GENE-920041]	0.5303	0.0003
ENSXETG00000023913	LPCAT3	lysophosphatidylcholine acyltransferase 3 [Source:Jamboree;Acc:XB-GENE-950240]	0.7936	0.0333
ENSXETG00000021653	LPPR3	lipid phosphate phosphatase-related protein type 3 [Source:Jamboree;Acc:XB-GENE-990099]	0.7228	0.0002
ENSXETG00000024115	LRIT3	leucine-rich repeat, immunoglobulin-like and transmembrane domains 3 [Source:Jamboree;Acc:XB-GENE-6076513]	0.6125	0.0402
ENSXETG00000010024	LRP5	low density lipoprotein receptor-related protein 5 [Source:Jamboree;Acc:XB-GENE-485117]	0.5855	0.0134
ENSXETG00000020342	LRRC49	leucine rich repeat containing 49 [Source:Jamboree;Acc:XB-GENE-1011788]	0.7620	0.0038
ENSXETG00000005147	LRRN1	leucine rich repeat neuronal 1 [Source:Jamboree;Acc:XB-GENE-492890]	0.6802	0.0000
ENSXETG00000011534	LSM3	LSM3 homolog, U6 small nuclear RNA associated [Source:Jamboree;Acc:XB-GENE-991265]	0.6824	0.0123
ENSXETG00000004899	LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) [Source:Jamboree;Acc:XB-GENE-5786978]	0.6665	0.0000
ENSXETG00000016967	LTBP4	latent transforming growth factor beta binding protein 4 [Source:Jamboree;Acc:XB-GENE-992148]	0.3072	0.0000
ENSXETG00000008101	LYPLA1	lysophospholipase I [Source:Jamboree;Acc:XB-GENE-942736]	0.7241	0.0104
ENSXETG00000015201	LZTS2	leucine zipper, putative tumor suppressor 2 [Source:Jamboree;Acc:XB-GENE-1216151]	0.5603	0.0015
ENSXETG00000002100	MAD2L1	MAD2 mitotic arrest deficient-like 1 [Source:Jamboree;Acc:XB-GENE-947153]	0.1152	0.0000
ENSXETG00000000172	MAF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog [Source:Jamboree;Acc:XB-GENE-6053271]	0.7329	0.0159
ENSXETG00000002479	MAP7	microtubule-associated protein 7 [Source:Jamboree;Acc:XB-GENE-961210]	0.6673	0.0000
ENSXETG00000000050	MAPKBP1	mitogen-activated protein kinase binding protein 1 [Source:Jamboree;Acc:XB-GENE-485536]	0.7402	0.0053
ENSXETG00000003240	MAPT	microtubule-associated protein tau [Source:Jamboree;Acc:XB-GENE-986948]	0.6928	0.0000
ENSXETG00000000466	MARCH4	membrane-associated ring finger (C3HC4) 4 [Source:Jamboree;Acc:XB-GENE-996237]	0.7755	0.0148
ENSXETG00000027751	MARCKS	myristoylated alanine-rich protein kinase C substrate [Source:Jamboree;Acc:XB-GENE-6258237]	0.7294	0.0001
ENSXETG00000019757	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) [Source:Jamboree;Acc:XB-GENE-984453]	0.5383	0.0000
ENSXETG00000020538	MCM3	minichromosome maintenance complex component 3 [Source:Jamboree;Acc:XB-GENE-5857845]	0.4798	0.0002
ENSXETG00000004854	MCM4	minichromosome maintenance complex component 4 [Source:Jamboree;Acc:XB-GENE-1011481]	0.2640	0.0000
ENSXETG00000014891	MCM6.2	minichromosome maintenance complex component 6 [Source:Jamboree;Acc:XB-GENE-962678]	0.5173	0.0000
ENSXETG00000008633	MCOLN3	mucolipin 3 [Source:Jamboree;Acc:XB-GENE-980380]	0.7925	0.0366
ENSXETG00000015950	MCPH1	microcephalin 1 [Source:Jamboree;Acc:XB-GENE-487210]	0.4990	0.0297
ENSXETG00000001967	MDK	midkine (neurite growth-promoting factor 2) [Source:Jamboree;Acc:XB-GENE-488502]	0.6435	0.0000
ENSXETG00000022839	MECOM	MDS1 and EVI1 complex locus [Source:Jamboree;Acc:XB-GENE-980195]	0.5465	0.0001
ENSXETG00000011473	MEIS1	Meis homeobox 1 [Source:Jamboree;Acc:XB-GENE-479439]	0.7837	0.0254
ENSXETG00000002807	MEIS3	Meis homeobox 3 [Source:Jamboree;Acc:XB-GENE-485337]	0.6882	0.0023
ENSXETG00000006551	MELK	maternal embryonic leucine zipper kinase [Source:Jamboree;Acc:XB-GENE-987654]	0.3552	0.0000
ENSXETG00000008547	MEMO1	mediator of cell motility 1 [Source:Jamboree;Acc:XB-GENE-5777366]	0.7817	0.0318
ENSXETG00000012806	METTL18	methyltransferase like 18 [Source:Jamboree;Acc:XB-GENE-5811219]	0.5595	0.0187
ENSXETG00000027601	MEX3B	mex-3 homolog B [Source:Jamboree;Acc:XB-GENE-5857375]	0.6213	0.0335
ENSXETG00000022367	MEX3C	mex-3 homolog C [Source:Jamboree;Acc:XB-GENE-492459]	0.6738	0.0009
ENSXETG00000021602	MFRP	membrane frizzled-related protein [Source:Jamboree;Acc:XB-GENE-482030]	0.2797	0.0139
ENSXETG00000025213	MGP	matrix Gla protein [Source:Jamboree;Acc:XB-GENE-1003218]	0.1406	0.0000
ENSXETG00000002588	MIA	melanoma inhibitory activity [Source:Jamboree;Acc:XB-GENE-974167]	0.6543	0.0019
ENSXETG00000002702	MMP24	matrix metallopeptidase 24 (membrane-inserted) [Source:Jamboree;Acc:XB-GENE-1009940]	0.7733	0.0070
ENSXETG00000008703	MMP9	matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) [Source:Jamboree;Acc:XB-GENE-876295]	0.2105	0.0138
ENSXETG00000002258	MN1	meningioma (disrupted in balanced translocation) 1 [Source:Jamboree;Acc:XB-GENE-855611]	0.7059	0.0382
ENSXETG00000012095	MOBKL1B	MOB1, Mps One Binder kinase activator-like 1B [Source:Jamboree;Acc:XB-GENE-950160]	0.7681	0.0402
ENSXETG00000021376	MPPED2	metallophosphoesterase domain containing 2 [Source:Jamboree;Acc:XB-GENE-1016332]	0.7717	0.0133
ENSXETG00000005331	MRC2	mannose receptor, C type 2 [Source:Jamboree;Acc:XB-GENE-486996]	0.7068	0.0138

ENSXETG00000012216	MSI1	musashi homolog 1 [Source:Jamboree;Acc:XB-GENE-490596]	0.6119	0.0000
ENSXETG00000009770	MSN	moesin [Source:Jamboree;Acc:XB-GENE-1004600]	0.6934	0.0016
ENSXETG00000012094	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:Jamboree;Acc:XB-GENE-941965]	0.6469	0.0005
ENSXETG00000017427	MVD	mevalonate (diphospho) decarboxylase [Source:Jamboree;Acc:XB-GENE-975218]	0.5084	0.0000
ENSXETG00000003725	MYB	v-myb myeloblastosis viral oncogene homolog [Source:Jamboree;Acc:XB-GENE-867553]	0.3760	0.0415
ENSXETG00000010956	MYCL1	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived [Source:Jamboree;Acc:XB-GENE-6453835]	0.3829	0.0000
ENSXETG00000000233	MYH9	myosin, heavy chain 9, non-muscle [Source:Jamboree;Acc:XB-GENE-1002222]	0.8130	0.0443
ENSXETG00000006917	MYL1	myosin, light chain 1, alkali; skeletal, fast [Source:Jamboree;Acc:XB-GENE-970333]	0.2696	0.0206
ENSXETG00000025009	MYL12B	myosin, light chain 12B, regulatory [Source:Jamboree;Acc:XB-GENE-991019]	0.8164	0.0369
ENSXETG00000003682	MYL3	myosin, light chain 3, alkali; ventricular, skeletal, slow [Source:Jamboree;Acc:XB-GENE-946570]	0.2930	0.0066
ENSXETG00000011499	MYT1	myelin transcription factor 1 [Source:Jamboree;Acc:XB-GENE-1009975]	0.6614	0.0002
ENSXETG00000000354	N/A	N/A	0.4407	0.0247
ENSXETG00000001006	N/A	N/A	0.4291	0.0000
ENSXETG00000001715	N/A	N/A	0.4224	0.0001
ENSXETG00000002097	N/A	N/A	0.5608	0.0444
ENSXETG00000004494	N/A	N/A	0.5087	0.0001
ENSXETG00000005639	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YU25]	0.7890	0.0119
ENSXETG00000005910	N/A	N/A	0.7546	0.0326
ENSXETG00000006636	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6U0Q2]	0.4156	0.0095
ENSXETG00000007433	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:L7N303]	0.5498	0.0000
ENSXETG00000008188	N/A	N/A	0.6341	0.0000
ENSXETG00000008929	N/A	N/A	0.6343	0.0027
ENSXETG00000009841	N/A	N/A	0.3274	0.0000
ENSXETG00000013474	N/A	N/A	0.7519	0.0382
ENSXETG00000013810	N/A	N/A	0.1300	0.0000
ENSXETG00000019005	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6VD39]	0.4659	0.0000
ENSXETG00000019406	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CCX7]	0.3862	0.0263
ENSXETG00000019411	N/A	N/A	0.5736	0.0000
ENSXETG00000019414	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F7CCU3]	0.3898	0.0252
ENSXETG00000020180	N/A	N/A	0.6355	0.0000
ENSXETG00000020836	N/A	N/A	0.7350	0.0274
ENSXETG00000021233	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6T8E4]	0.7728	0.0182
ENSXETG00000021805	N/A	N/A	0.5010	0.0001
ENSXETG00000024075	N/A	N/A	0.3814	0.0000
ENSXETG00000024090	N/A	N/A	0.4184	0.0000
ENSXETG00000024137	N/A	N/A	0.7968	0.0434
ENSXETG00000024495	N/A	N/A	0.7986	0.0172
ENSXETG00000024974	N/A	N/A	0.7212	0.0273
ENSXETG00000027082	N/A	N/A	0.7275	0.0003
ENSXETG00000027258	N/A	N/A	0.1540	0.0000
ENSXETG00000028037	N/A	uncharacterized protein LOC100135188 [Source:RefSeq peptide;Acc:NP_001107363]	0.8012	0.0265
ENSXETG00000029856	N/A	N/A	0.6285	0.0070
XLOC_001617	N/A	N/A	0.5309	0.0000
XLOC_002715	N/A	N/A	0.7753	0.0061
XLOC_002748	N/A	N/A	0.7928	0.0181
XLOC_002824	N/A	N/A	0.0436	0.0000
XLOC_003040	N/A	N/A	0.5864	0.0000
XLOC_004791	N/A	N/A	0.5075	0.0232
XLOC_005260	N/A	N/A	0.7907	0.0077
XLOC_005846	N/A	N/A	0.7589	0.0285
XLOC_006217	N/A	N/A	0.5779	0.0069
XLOC_006385	N/A	N/A	0.4977	0.0001
XLOC_007319	N/A	N/A	0.6225	0.0105
XLOC_008769	N/A	N/A	0.3170	0.0000
XLOC_008773	N/A	N/A	0.2654	0.0009
XLOC_009557	N/A	N/A	0.6711	0.0009
XLOC_010407	N/A	N/A	0.3380	0.0000
XLOC_010925	N/A	N/A	0.6055	0.0094
XLOC_011684	N/A	N/A	0.5531	0.0036
XLOC_013001	N/A	N/A	0.4890	0.0006
XLOC_014048	N/A	N/A	0.5198	0.0395
XLOC_014055	N/A	N/A	0.7044	0.0253
XLOC_014271	N/A	N/A	0.7229	0.0306
XLOC_014503	N/A	N/A	0.7525	0.0326
XLOC_014555	N/A	N/A	0.8005	0.0396
XLOC_014562	N/A	N/A	0.7422	0.0057
XLOC_014771	N/A	N/A	0.6488	0.0174
XLOC_015091	N/A	N/A	0.4014	0.0204
XLOC_015452	N/A	N/A	0.2521	0.0000
XLOC_015465	N/A	N/A	0.7975	0.0331
XLOC_015892	N/A	N/A	0.5541	0.0014
XLOC_015935	N/A	N/A	0.2837	0.0005
XLOC_016809	N/A	N/A	0.6371	0.0156
XLOC_017024	N/A	N/A	0.6433	0.0001
XLOC_017375	N/A	N/A	0.4887	0.0204
XLOC_017843	N/A	N/A	0.6412	0.0000
XLOC_017852	N/A	N/A	0.6337	0.0232
XLOC_017868	N/A	N/A	0.6861	0.0018
XLOC_018223	N/A	N/A	0.6903	0.0418
XLOC_018227	N/A	N/A	0.7118	0.0018
XLOC_019308	N/A	N/A	0.7419	0.0418
XLOC_019630	N/A	N/A	0.5328	0.0125
XLOC_019667	N/A	N/A	0.5895	0.0341
XLOC_019731	N/A	N/A	0.5246	0.0000
XLOC_020054	N/A	N/A	0.3130	0.0000
XLOC_020464	N/A	N/A	0.1968	0.0000
XLOC_021408	N/A	N/A	0.5759	0.0004
XLOC_021724	N/A	N/A	0.7434	0.0141
XLOC_022308	N/A	N/A	0.2460	0.0073
XLOC_023422	N/A	N/A	0.7078	0.0245
XLOC_023423	N/A	N/A	0.6571	0.0001
XLOC_023753	N/A	N/A	0.4462	0.0000
XLOC_024308	N/A	N/A	0.4973	0.0002
XLOC_024873	N/A	N/A	0.7157	0.0097
XLOC_024916	N/A	N/A	0.6619	0.0392
XLOC_025696	N/A	N/A	0.7395	0.0179
XLOC_025928	N/A	N/A	0.5274	0.0013
XLOC_026754	N/A	N/A	0.1588	0.0000
XLOC_026936	N/A	N/A	0.7591	0.0016
XLOC_027868	N/A	N/A	0.5595	0.0045
XLOC_028062	N/A	N/A	0.7581	0.0322
XLOC_028544	N/A	N/A	0.6251	0.0000
XLOC_028869	N/A	N/A	0.3982	0.0147
XLOC_029682	N/A	N/A	0.1583	0.0000
XLOC_030071	N/A	N/A	0.8048	0.0409

XLOC_030074	N/A	N/A	0.6476	0.0374
XLOC_031420	N/A	N/A	0.4672	0.0011
XLOC_031447	N/A	N/A	0.5194	0.0368
XLOC_031974	N/A	N/A	0.7554	0.0067
XLOC_032126	N/A	N/A	0.6603	0.0000
XLOC_032258	N/A	N/A	0.3236	0.0000
XLOC_032674	N/A	N/A	0.2290	0.0378
XLOC_032678	N/A	N/A	0.5983	0.0322
XLOC_032814	N/A	N/A	0.7427	0.0418
XLOC_032909	N/A	N/A	0.1969	0.0000
XLOC_033466	N/A	N/A	0.1142	0.0000
XLOC_035008	N/A	N/A	0.6099	0.0019
XLOC_035012	N/A	N/A	0.5108	0.0169
XLOC_035027	N/A	N/A	0.2916	0.0021
XLOC_035163	N/A	N/A	0.6674	0.0004
XLOC_035249	N/A	N/A	0.3921	0.0012
XLOC_036780	N/A	N/A	0.8146	0.0493
XLOC_037212	N/A	N/A	0.3010	0.0063
XLOC_037516	N/A	N/A	0.4789	0.0000
XLOC_037903	N/A	N/A	0.6079	0.0050
XLOC_038082	N/A	N/A	0.4075	0.0000
XLOC_038083	N/A	N/A	0.2252	0.0000
XLOC_038594	N/A	N/A	0.4756	0.0016
XLOC_038595	N/A	N/A	0.4591	0.0063
XLOC_038753	N/A	N/A	0.3486	0.0000
XLOC_039221	N/A	N/A	0.7648	0.0434
XLOC_039241	N/A	N/A	0.4490	0.0002
XLOC_040619	N/A	N/A	0.7212	0.0018
XLOC_041704	N/A	N/A	0.5574	0.0323
XLOC_041725	N/A	N/A	0.4714	0.0000
XLOC_041728	N/A	N/A	0.5509	0.0207
XLOC_042219	N/A	N/A	0.2128	0.0000
XLOC_042744	N/A	N/A	0.7015	0.0006
XLOC_043007	N/A	N/A	0.6196	0.0033
XLOC_045433	N/A	N/A	0.5640	0.0000
ENSXETG00000002713	NAA40	N(alpha)-acetyltransferase 40, NatD catalytic subunit, homolog [Source:Jamboree;Acc:XB-GENE-5846020]	0.7112	0.0003
ENSXETG00000012236	NARF	nuclear prelamin A recognition factor [Source:Jamboree;Acc:XB-GENE-972855]	0.7543	0.0115
ENSXETG00000002389	NAT8L	N-acetyltransferase 8-like (GCN5-related, putative) [Source:Jamboree;Acc:XB-GENE-5817008]	0.7476	0.0438
ENSXETG00000017089	NAV1	neuron navigator 1 [Source:Jamboree;Acc:XB-GENE-981217]	0.7649	0.0029
ENSXETG00000023826	NCAPG	non-SMC condensin I complex, subunit G [Source:Jamboree;Acc:XB-GENE-5783775]	0.6579	0.0052
ENSXETG00000023090	NCAPH2	non-SMC condensin II complex, subunit H2 [Source:Jamboree;Acc:XB-GENE-993063]	0.5307	0.0342
ENSXETG00000021669	NCK2	NCK adaptor protein 2 [Source:Jamboree;Acc:XB-GENE-6083355]	0.6423	0.0001
ENSXETG00000009517	NCL	nucleolin [Source:Jamboree;Acc:XB-GENE-989986]	0.7618	0.0024
ENSXETG00000020840	NDC80	NDC80 homolog, kinetochore complex component [Source:Jamboree;Acc:XB-GENE-997352]	0.4834	0.0031
ENSXETG00000019915	NES	nestin [Source:Jamboree;Acc:XB-GENE-490506]	0.3165	0.0000
ENSXETG00000007898	NEUROG1	neurogenin 1 [Source:Jamboree;Acc:XB-GENE-491452]	0.0457	0.0000
ENSXETG00000024100	NEUROG2	neurogenin 2 [Source:Jamboree;Acc:XB-GENE-491040]	0.1864	0.0027
ENSXETG00000012174	NFE2L3	nuclear factor (erythroid-derived 2)-like 3 [Source:Jamboree;Acc:XB-GENE-483338]	0.6651	0.0001
ENSXETG00000025363	NFYC	nuclear transcription factor Y, gamma [Source:Jamboree;Acc:XB-GENE-1218938]	0.7887	0.0157
ENSXETG00000005841	NHLH1	nescient helix loop helix 1 [Source:Jamboree;Acc:XB-GENE-989790]	0.5249	0.0000
ENSXETG00000016220	NID1	nidogen 1 [Source:Jamboree;Acc:XB-GENE-1003556]	0.6126	0.0000
ENSXETG00000012699	NIT1	nitrilase 1 [Source:Jamboree;Acc:XB-GENE-975428]	0.5265	0.0000
ENSXETG00000012908	NKAIN1	Na+/K+ transporting ATPase interacting 1 [Source:Jamboree;Acc:XB-GENE-946558]	0.5253	0.0000
ENSXETG00000011349	NLK.2	nemo-like kinase, gene 2 [Source:Jamboree;Acc:XB-GENE-1218923]	0.7946	0.0417
ENSXETG00000000451	NLN	neurolysin (metallopeptidase M3 family) [Source:Jamboree;Acc:XB-GENE-960645]	0.6678	0.0000
ENSXETG00000020868	NONO	non-POU domain containing, octamer-binding [Source:Jamboree;Acc:XB-GENE-1002494]	0.7602	0.0043
ENSXETG00000000757	NOTCH1	notch 1 [Source:Jamboree;Acc:XB-GENE-479318]	0.7023	0.0020
ENSXETG00000002570	NOTCH3	notch 3 [Source:Jamboree;Acc:XB-GENE-6450008]	0.7273	0.0015
ENSXETG00000021449	NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog [Source:Jamboree;Acc:XB-GENE-6085898]	0.7344	0.0389
ENSXETG00000005077	NSA2	NSA2 ribosome biogenesis homolog [Source:Jamboree;Acc:XB-GENE-478113]	0.7500	0.0047
ENSXETG00000014390	NTN1	netrin 1 precursor [Source:RefSeq peptide;Acc:NP_001072385]	0.6681	0.0024
ENSXETG00000020288	NTN3	netrin 3 [Source:Jamboree;Acc:XB-GENE-960264]	0.3879	0.0000
ENSXETG00000000974	NUAK2	NUAK family, SNF1-like kinase, 2 [Source:Jamboree;Acc:XB-GENE-5857794]	0.4252	0.0039
ENSXETG00000001000	NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1 [Source:Jamboree;Acc:XB-GENE-490974]	0.8198	0.0322
ENSXETG00000016542	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1 [Source:Jamboree;Acc:XB-GENE-975736]	0.3685	0.0005
ENSXETG00000010463	NUF2	NUF2, NDC80 kinetochore complex component, homolog [Source:Jamboree;Acc:XB-GENE-1001441]	0.3615	0.0017
ENSXETG00000001244	NUP133	nucleoporin 133kDa [Source:Jamboree;Acc:XB-GENE-999348]	0.5879	0.0389
ENSXETG00000027499	NUSAP1	nucleolar and spindle associated protein 1 [Source:Jamboree;Acc:XB-GENE-479486]	0.1443	0.0000
ENSXETG00000003519	ODC1	ornithine decarboxylase 1 [Source:Jamboree;Acc:XB-GENE-478945]	0.6829	0.0000
ENSXETG00000008729	OTOL1	otolin 1 [Source:HGNC Symbol;Acc:HGNC:34071]	0.0090	0.0000
ENSXETG00000026803	OTOS	otospiralin [Source:Jamboree;Acc:XB-GENE-971579]	0.2764	0.0010
ENSXETG00000013025	OTX1	orthodenticle homeobox 1 [Source:Jamboree;Acc:XB-GENE-939804]	0.5958	0.0000
ENSXETG00000015687	OTX2	orthodenticle homeobox 2 [Source:Jamboree;Acc:XB-GENE-485220]	0.6003	0.0000
ENSXETG00000006635	PABPC1	poly(A) binding protein, cytoplasmic 1 [Source:Jamboree;Acc:XB-GENE-963457]	0.7788	0.0074
ENSXETG00000012063	PAFAH1B3	platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa) [Source:Jamboree;Acc:XB-GENE-485956]	0.7693	0.0107
ENSXETG00000010418	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1 [Source:Jamboree;Acc:XB-GENE-5852172]	0.7958	0.0277
ENSXETG00000019626	PAH	phenylalanine hydroxylase [Source:Jamboree;Acc:XB-GENE-991085]	0.4823	0.0000
ENSXETG00000009264	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2 [Source:Jamboree;Acc:XB-GENE-986763]	0.6693	0.0390
ENSXETG00000022610	PARP1	poly (ADP-ribose) polymerase 1 [Source:Jamboree;Acc:XB-GENE-974935]	0.7575	0.0154
ENSXETG00000004190	PATZ1	POZ (BTB) and AT hook containing zinc finger 1 [Source:Jamboree;Acc:XB-GENE-976137]	0.7854	0.0214
ENSXETG00000014206	PAX2	paired box 2 [Source:Jamboree;Acc:XB-GENE-486801]	0.7029	0.0013
ENSXETG00000007640	PAX3	paired box 3 [Source:Jamboree;Acc:XB-GENE-482740]	0.5006	0.0000
ENSXETG00000008175	PAX6	paired box 6 [Source:Jamboree;Acc:XB-GENE-484088]	0.7675	0.0111
ENSXETG00000018527	PAX7	paired box 7 [Source:Jamboree;Acc:XB-GENE-487140]	0.6215	0.0000
ENSXETG00000001272	PAX8	paired box 8 [Source:Jamboree;Acc:XB-GENE-483693]	0.3609	0.0000
ENSXETG00000020438	PBK	PDZ binding kinase [Source:Jamboree;Acc:XB-GENE-1017083]	0.1952	0.0000
ENSXETG00000010464	PBX1	pre-B-cell leukemia homeobox 1 [Source:Jamboree;Acc:XB-GENE-1217592]	0.7059	0.0002
ENSXETG00000020032	PDCD2L	programmed cell death 2-like [Source:Jamboree;Acc:XB-GENE-5805051]	0.6108	0.0196
ENSXETG00000020374	PDE4B	phosphodiesterase 4B, cAMP-specific [Source:Jamboree;Acc:XB-GENE-963512]	0.7485	0.0041
ENSXETG00000000401	PDZRN3	PDZ domain containing ring finger 3 [Source:Jamboree;Acc:XB-GENE-5817964]	0.4189	0.0183
ENSXETG00000017731	PEX11A	peroxisomal biogenesis factor 11 alpha [Source:Jamboree;Acc:XB-GENE-970930]	0.6518	0.0333
ENSXETG00000012702	PFDN2	prefoldin subunit 2 [Source:Jamboree;Acc:XB-GENE-997342]	0.4986	0.0000
ENSXETG00000015309	PFN1	profilin 1 [Source:Jamboree;Acc:XB-GENE-5747742]	0.8068	0.0460
ENSXETG00000021083	PHOX2B	paired-like homeobox 2b [Source:Jamboree;Acc:XB-GENE-1000415]	0.5961	0.0002
ENSXETG00000009544	PIF1	PIF1 5'-to-3' DNA helicase homolog [Source:Jamboree;Acc:XB-GENE-5924613]	0.2137	0.0022
ENSXETG00000012933	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (beta) [Source:Jamboree;Acc:XB-GENE-6077418]	0.6982	0.0011
ENSXETG00000010022	PITX3	paired-like homeodomain 3 [Source:Jamboree;Acc:XB-GENE-486162]	0.4921	0.0087
ENSXETG00000025326	PLA2G2E	phospholipase A2, group IIE [Source:Jamboree;Acc:XB-GENE-5756014]	0.0591	0.0000
ENSXETG00000009051	PLCL2	phospholipase C-like 2 [Source:Jamboree;Acc:XB-GENE-949595]	0.7507	0.0242
ENSXETG00000022522	PLK4	polo-like kinase 4 [Source:Jamboree;Acc:XB-GENE-493608]	0.3378	0.0031
ENSXETG00000010420	PMP2	peripheral myelin protein 2 [Source:Jamboree;Acc:XB-GENE-977969]	0.4371	0.0001
ENSXETG00000019579	PMP22	peripheral myelin protein 22 [Source:Jamboree;Acc:XB-GENE-1004858]	0.6390	0.0000
ENSXETG00000017349	PNO1	partner of NOB1 homolog [Source:Jamboree;Acc:XB-GENE-491293]	0.7106	0.0012
ENSXETG00000016932	PNP	purine nucleoside phosphorylase [Source:Jamboree;Acc:XB-GENE-1011598]	0.7906	0.0379
ENSXETG00000002388	POLN	polymerase (DNA directed) nu [Source:Jamboree;Acc:XB-GENE-988834]	0.7488	0.0323
ENSXETG00000025768	POLR2L.1	polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa, gene 1 [Source:Jamboree;Acc:XB-GENE-1003788]	0.6294	0.0042

ENSXETG00000011510	POU3F1	POU class 3 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853354]	0.6596	0.0000
ENSXETG00000028057	POU3F2	POU class 3 homeobox 2 [Source:Jamboree;Acc:XB-GENE-483174]	0.6108	0.0000
ENSXETG00000025593	POU3F3	POU class 3 homeobox 3 [Source:Jamboree;Acc:XB-GENE-920672]	0.7122	0.0297
ENSXETG00000014504	POU3F4	POU class 3 homeobox 4 [Source:Jamboree;Acc:XB-GENE-479667]	0.6070	0.0000
ENSXETG00000017814	POU4F1	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-853139]	0.6282	0.0000
ENSXETG00000018386	POU4F1.2	POU class 4 homeobox 1 [Source:Jamboree;Acc:XB-GENE-5996034]	0.5930	0.0002
ENSXETG00000026053	POU4F2	POU class 4 homeobox 2 [Source:Jamboree;Acc:XB-GENE-854899]	0.6513	0.0000
ENSXETG00000007199	PPP1R14B	protein phosphatase 1, regulatory (inhibitor) subunit 14B [Source:Jamboree;Acc:XB-GENE-485314]	0.4498	0.0000
ENSXETG00000010159	PPP2R2A	protein phosphatase 2, regulatory subunit B, alpha [Source:Jamboree;Acc:XB-GENE-971147]	0.8083	0.0179
ENSXETG00000015449	PRC1	protein regulator of cytokinesis 1 [Source:Jamboree;Acc:XB-GENE-963901]	0.2623	0.0000
ENSXETG00000003501	PRDX1	peroxiredoxin 1 [Source:Jamboree;Acc:XB-GENE-481165]	0.7515	0.0033
ENSXETG00000004763	PRDX2	peroxiredoxin 2 [Source:Jamboree;Acc:XB-GENE-945852]	0.6923	0.0002
ENSXETG00000007235	PRELID1	PRELI domain containing 1 [Source:Jamboree;Acc:XB-GENE-1004789]	0.7795	0.0406
ENSXETG00000005000	PRKX	protein kinase, X-linked [Source:Jamboree;Acc:XB-GENE-6046135]	0.6122	0.0002
ENSXETG00000026988	PRR11	proline rich 11 [Source:Jamboree;Acc:XB-GENE-942986]	0.3879	0.0006
ENSXETG00000021040	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6 [Source:Jamboree;Acc:XB-GENE-6257763]	0.3619	0.0454
ENSXETG00000009891	PTCD1	pentatricopeptide repeat domain 1 [Source:Jamboree;Acc:XB-GENE-940576]	0.6892	0.0356
ENSXETG00000003954	PTGDS	prostaglandin D2 synthase 21kDa (brain) [Source:Jamboree;Acc:XB-GENE-481708]	0.4989	0.0450
ENSXETG00000024683	PTGR1.1	prostaglandin reductase 1, gene 1 [Source:Jamboree;Acc:XB-GENE-5789488]	0.3439	0.0000
ENSXETG00000022757	PTMA	prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-978347]	0.7714	0.0014
ENSXETG00000023744	PTP4A3	protein tyrosine phosphatase type IVA, member 3 [Source:Jamboree;Acc:XB-GENE-943078]	0.6766	0.0001
ENSXETG00000022542	PTPDC1	protein tyrosine phosphatase domain containing 1 [Source:Jamboree;Acc:XB-GENE-6047403]	0.7373	0.0157
ENSXETG00000012288	PTPN1	protein tyrosine phosphatase, non-receptor type 1 [Source:Jamboree;Acc:XB-GENE-950442]	0.7850	0.0374
ENSXETG00000019728	PTPN12	protein tyrosine phosphatase, non-receptor type 12 [Source:Jamboree;Acc:XB-GENE-942122]	0.7850	0.0386
ENSXETG00000012244	PTX3	pentraxin 3, long [Source:HGNC Symbol;Acc:HGNC:9692]	0.1666	0.0000
ENSXETG00000027606	PVALB	parvalbumin [Source:RefSeq peptide;Acc:NP_001011134]	0.0262	0.0000
ENSXETG00000009351	QARS	glutaminyl-tRNA synthetase [Source:Jamboree;Acc:XB-GENE-5802152]	0.6777	0.0022
ENSXETG00000020729	RAB13	RAB13, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-6070728]	0.7951	0.0238
ENSXETG00000014011	RAB1A	RAB1A, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-485527]	0.7643	0.0006
ENSXETG00000013383	RACGAP1	Rac GTPase activating protein 1 [Source:Jamboree;Acc:XB-GENE-943983]	0.3044	0.0000
ENSXETG00000011389	RAD51AP1	RAD51 associated protein 1 [Source:Jamboree;Acc:XB-GENE-963252]	0.2629	0.0000
ENSXETG00000000696	RAI14	retinoic acid induced 14 [Source:Jamboree;Acc:XB-GENE-979322]	0.7053	0.0039
ENSXETG00000006324	RANBP1	RAN binding protein 1 [Source:Jamboree;Acc:XB-GENE-490910]	0.7300	0.0005
ENSXETG00000007332	RASSF1	Ras association (RalGDS/AF-6) domain family member 1 [Source:Jamboree;Acc:XB-GENE-494691]	0.6938	0.0199
ENSXETG00000023554	RASSF4	Ras association (RalGDS/AF-6) domain family member 4 [Source:Jamboree;Acc:XB-GENE-493110]	0.7373	0.0419
ENSXETG00000006038	RASSF7	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7 [Source:Jamboree;Acc:XB-GENE-956640]	0.4600	0.0001
ENSXETG00000000072	RBM15B	RNA binding motif protein 15B [Source:Jamboree;Acc:XB-GENE-961063]	0.6806	0.0002
ENSXETG00000012802	RBM47	RNA binding motif protein 47 [Source:Jamboree;Acc:XB-GENE-976707]	0.5151	0.0214
ENSXETG00000003481	RBMX	RNA binding motif protein, X-linked [Source:Jamboree;Acc:XB-GENE-5733378]	0.7600	0.0035
ENSXETG00000003731	RBP4	retinol binding protein 4, plasma [Source:Jamboree;Acc:XB-GENE-5841608]	0.5685	0.0173
ENSXETG00000000935	RBPJ	recombination signal binding protein for immunoglobulin kappa J region [Source:Jamboree;Acc:XB-GENE-490756]	0.7608	0.0225
ENSXETG00000005323	REST	RE1-silencing transcription factor [Source:Jamboree;Acc:XB-GENE-955466]	0.6469	0.0009
ENSXETG00000001824	RFXAP	regulatory factor X-associated protein [Source:Jamboree;Acc:XB-GENE-993451]	0.7636	0.0148
ENSXETG00000023880	RGMB	RGM domain family, member B [Source:Jamboree;Acc:XB-GENE-868420]	0.6572	0.0000
ENSXETG00000003124	RHOBTB1	Rho-related BTB domain containing 1 [Source:Jamboree;Acc:XB-GENE-484718]	0.6913	0.0015
ENSXETG00000016219	RNASET2	ribonuclease T2 [Source:Jamboree;Acc:XB-GENE-944135]	0.6111	0.0000
ENSXETG00000025335	RND3	Rho family GTPase 3 [Source:Jamboree;Acc:XB-GENE-495412]	0.7598	0.0042
ENSXETG00000017989	RNF24	ring finger protein 24 [Source:Jamboree;Acc:XB-GENE-944529]	0.7851	0.0340
ENSXETG00000003937	ROBO4	roundabout homolog 4, magic roundabout [Source:Jamboree;Acc:XB-GENE-955396]	0.5892	0.0000
ENSXETG00000012374	RPL10A	ribosomal protein L10a [Source:Jamboree;Acc:XB-GENE-974206]	0.7928	0.0438
ENSXETG00000001178	RPL11	ribosomal protein L11 [Source:Jamboree;Acc:XB-GENE-1000977]	0.7257	0.0053
ENSXETG00000006914	RPL3	ribosomal protein L3 [Source:Jamboree;Acc:XB-GENE-971703]	0.6804	0.0001
ENSXETG00000023004	RPL5	ribosomal protein L5 [Source:Jamboree;Acc:XB-GENE-983912]	0.7537	0.0094
ENSXETG00000004304	RPL6	ribosomal protein L6 [Source:Jamboree;Acc:XB-GENE-958284]	0.7809	0.0322
ENSXETG00000021715	RPRM	reprimo, TP53 dependent G2 arrest mediator ca [Source:Jamboree;Acc:XB-GENE-954338]	0.7575	0.0243
ENSXETG00000020394	RPS18	ribosomal protein S18 [Source:Jamboree;Acc:XB-GENE-488842]	0.7328	0.0028
ENSXETG00000024113	RRH	retinal pigment epithelium-derived rhodopsin homolog [Source:Jamboree;Acc:XB-GENE-6076482]	0.3657	0.0010
ENSXETG00000003527	RRM2.1	ribonucleotide reductase M2, gene 1 [Source:Jamboree;Acc:XB-GENE-947052]	0.2936	0.0000
ENSXETG00000014056	RTKN2	rhotekin 2 [Source:Jamboree;Acc:XB-GENE-993318]	0.4650	0.0000
ENSXETG00000024454	RTN2	reticulon 2 [Source:Jamboree;Acc:XB-GENE-941644]	0.6335	0.0000
ENSXETG00000002554	RXFP3	relaxin/insulin-like family peptide receptor 3 [Source:Jamboree;Acc:XB-GENE-478939]	0.7297	0.0040
ENSXETG00000011640	S1PR5	sphingosine-1-phosphate receptor 5 [Source:Jamboree;Acc:XB-GENE-5902381]	0.5290	0.0001
ENSXETG00000017176	SALL2	sal-like 2 [Source:Jamboree;Acc:XB-GENE-494377]	0.5983	0.0000
ENSXETG00000012326	SALL4	sal-like 4 [Source:Jamboree;Acc:XB-GENE-485252]	0.5137	0.0018
ENSXETG00000018954	SCNN1A	sodium channel, nonvoltage-gated 1 alpha [Source:Jamboree;Acc:XB-GENE-996083]	0.1401	0.0030
ENSXETG00000004424	SCUBE2	signal peptide, CUB domain, EGF-like 2 [Source:Jamboree;Acc:XB-GENE-5945055]	0.7007	0.0085
ENSXETG00000018164	SEMA4A	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A [Source:Jamboree;Acc:XB-GENE-5914424]	0.7778	0.0079
ENSXETG00000009151	SEPT12	septin 12 [Source:Jamboree;Acc:XB-GENE-5894593]	0.5458	0.0000
ENSXETG00000018605	SEPT2-A	Septin-2A [Source:UniProtKB/Swiss-Prot;Acc:Q5BKN4]	0.7269	0.0007
ENSXETG00000000261	SEPT3	septin 3 [Source:Jamboree;Acc:XB-GENE-1002286]	0.8393	0.0401
ENSXETG00000018832	SERP1	stress-associated endoplasmic reticulum protein 1 [Source:Jamboree;Acc:XB-GENE-1004958]	0.7660	0.0105
ENSXETG00000027686	SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1 [Source:Jamboree;Acc:XB-GENE-945026]	0.6469	0.0077
ENSXETG00000008160	SETBP1	SET binding protein 1 [Source:Jamboree;Acc:XB-GENE-5899456]	0.7857	0.0319
ENSXETG00000001921	SETD1A	SET domain containing 1A [Source:Jamboree;Acc:XB-GENE-6046043]	0.8214	0.0216
ENSXETG00000022923	SF3A3	splicing factor 3a, subunit 3, 60kDa [Source:Jamboree;Acc:XB-GENE-947674]	0.7171	0.0070
ENSXETG00000007776	SFRP1	secreted frizzled-related protein 1 [Source:Jamboree;Acc:XB-GENE-488230]	0.4893	0.0430
ENSXETG00000026087	SFRP2	secreted frizzled-related protein 2 [Source:Jamboree;Acc:XB-GENE-485147]	0.4691	0.0000
ENSXETG00000024699	SFRP5	secreted frizzled-related protein 5 [Source:Jamboree;Acc:XB-GENE-482920]	0.5743	0.0000
ENSXETG00000012549	SH3BP5	SH3-domain binding protein 5 (BTK-associated) [Source:Jamboree;Acc:XB-GENE-959548]	0.7655	0.0070
ENSXETG00000018790	SH3PXD2B	SH3 and PX domains 2B [Source:Jamboree;Acc:XB-GENE-1009043]	0.6504	0.0000
ENSXETG00000014718	SHB	Src homology 2 domain containing adaptor protein B [Source:Jamboree;Acc:XB-GENE-6258291]	0.7628	0.0377
ENSXETG00000024151	SHD	Src homology 2 domain containing transforming protein D [Source:Jamboree;Acc:XB-GENE-492409]	0.1551	0.0000
ENSXETG00000026919	SHISA4	shisa family member 4 precursor [Source:RefSeq peptide;Acc:NP_001072683]	0.7073	0.0277
ENSXETG00000016879	SHOX	short stature homeobox [Source:Jamboree;Acc:XB-GENE-920752]	0.5991	0.0000
ENSXETG00000014058	SHOX2	short stature homeobox 2 [Source:Jamboree;Acc:XB-GENE-480993]	0.5729	0.0000
ENSXETG00000019941	SHROOM3	shroom family member 3 [Source:Jamboree;Acc:XB-GENE-490224]	0.7202	0.0273
ENSXETG00000026158	SIX2	SIX homeobox 2 [Source:Jamboree;Acc:XB-GENE-481504]	0.2052	0.0240
ENSXETG00000009595	SKA3	spindle and kinetochore associated complex subunit 3 [Source:Jamboree;Acc:XB-GENE-994918]	0.6263	0.0262
ENSXETG00000007811	SKOR1	SKI family transcriptional corepressor 1 [Source:Jamboree;Acc:XB-GENE-877133]	0.5882	0.0021
ENSXETG00000003876	SLBP	stem-loop binding protein [Source:Jamboree;Acc:XB-GENE-480369]	0.7315	0.0060
ENSXETG00000018957	SLC20A1	solute carrier family 20 (phosphate transporter), member 1 [Source:Jamboree;Acc:XB-GENE-482940]	0.7663	0.0036
ENSXETG00000011939	SLC38A5	solute carrier family 38, member 5 [Source:Jamboree;Acc:XB-GENE-5856213]	0.6127	0.0322
ENSXETG00000001368	SLC39A12	solute carrier family 39 (zinc transporter), member 12 [Source:Jamboree;Acc:XB-GENE-6051312]	0.5852	0.0012
ENSXETG00000012098	SLC4A5	solute carrier family 4, sodium bicarbonate cotransporter, member 5 [Source:Jamboree;Acc:XB-GENE-854491]	0.3498	0.0028
ENSXETG00000000683	SLC7A2.1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 1 [Source:Jamboree;Acc:XB-GENE-994549]	0.6720	0.0051
ENSXETG00000015899	SLC7A2.2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2, gene 2 [Source:Jamboree;Acc:XB-GENE-5763997]	0.2449	0.0159
ENSXETG00000015232	SLCO5A1	solute carrier organic anion transporter family, member 5A1 [Source:Jamboree;Acc:XB-GENE-480413]	0.5356	0.0000
ENSXETG00000009355	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 [Source:Jamboree;Acc:XB-GENE-483983]	0.7345	0.0004
ENSXETG00000017566	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 [Source:Jamboree;Acc:XB-GENE-494817]	0.6348	0.0002

ENSXETG00000014492	SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 [Source:Jamboree;Acc:XB-GENE-5906750]	0.7013	0.0000
ENSXETG00000013357	SMARCD1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1 [Source:Jamboree;Acc:XB-GENE-491104]	0.5886	0.0004
ENSXETG00000014415	SMARCD3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 [Source:Jamboree;Acc:XB-GENE-494884]	0.7319	0.0063
ENSXETG00000021355	SMARCE1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 [Source:Jamboree;Acc:XB-GENE-482511]	0.7974	0.0253
ENSXETG00000010209	SMC2	structural maintenance of chromosomes 2 [Source:Jamboree;Acc:XB-GENE-5826169]	0.2328	0.0000
ENSXETG00000008717	SMC4	structural maintenance of chromosomes 4 [Source:Jamboree;Acc:XB-GENE-5865855]	0.4026	0.0000
ENSXETG00000014939	SMO	smoothened, frizzled family receptor [Source:Jamboree;Acc:XB-GENE-487420]	0.5439	0.0000
ENSXETG00000013541	SMYD4	SET and MYND domain containing 4 [Source:Jamboree;Acc:XB-GENE-945037]	0.6686	0.0253
ENSXETG00000011764	SMYD5	SMYD family member 5 [Source:Jamboree;Acc:XB-GENE-988091]	0.7248	0.0374
ENSXETG00000027392	SNCAIP	synuclein, alpha interacting protein [Source:Jamboree;Acc:XB-GENE-948743]	0.7634	0.0218
ENSXETG00000029745	SNORD89	Small nucleolar RNA SNORD89 [Source:RFAM;Acc:RF00578]	0.4647	0.0012
ENSXETG00000002173	SNRPD2	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa [Source:Jamboree;Acc:XB-GENE-964248]	0.7712	0.0465
ENSXETG00000021630	SNRPF	small nuclear ribonucleoprotein polypeptide F [Source:Jamboree;Acc:XB-GENE-1017067]	0.7661	0.0437
ENSXETG00000023815	SOCS2	suppressor of cytokine signaling 2 [Source:Jamboree;Acc:XB-GENE-487261]	0.5355	0.0000
ENSXETG00000023439	SOX11	SRY (sex determining region Y)-box 11 [Source:Jamboree;Acc:XB-GENE-483418]	0.6449	0.0000
ENSXETG00000022689	SOX14	SRY (sex determining region Y)-box 14 [Source:Jamboree;Acc:XB-GENE-485370]	0.6642	0.0000
ENSXETG00000010955	SOX21	SRY (sex determining region Y)-box 21 [Source:Jamboree;Acc:XB-GENE-486445]	0.7372	0.0067
ENSXETG00000007607	SOX3	SRY (sex determining region Y)-box 3 [Source:Jamboree;Acc:XB-GENE-484815]	0.6129	0.0000
ENSXETG00000025407	SP5	Sp5 transcription factor [Source:Jamboree;Acc:XB-GENE-1217606]	0.6318	0.0003
ENSXETG00000023050	SQLE	squalene epoxidase [Source:Jamboree;Acc:XB-GENE-1013583]	0.6385	0.0000
ENSXETG00000022046	SQRDL	sulfide quinone reductase-like [Source:Jamboree;Acc:XB-GENE-957726]	0.7563	0.0344
ENSXETG00000017318	SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog [Source:Jamboree;Acc:XB-GENE-489820]	0.7813	0.0157
ENSXETG00000017449	SREBF2	sterol regulatory element binding transcription factor 2 [Source:Jamboree;Acc:XB-GENE-1011360]	0.7669	0.0076
ENSXETG00000008954	SRSF1	serine/arginine-rich splicing factor 1 [Source:Jamboree;Acc:XB-GENE-486875]	0.8281	0.0265
ENSXETG00000001701	SRSF3	serine/arginine-rich splicing factor 3 [Source:Jamboree;Acc:XB-GENE-490817]	0.8046	0.0140
ENSXETG00000006922	SS18	synovial sarcoma translocation, chromosome 18 [Source:Jamboree;Acc:XB-GENE-995006]	0.7608	0.0149
ENSXETG00000022940	SSBP4	single stranded DNA binding protein 4 [Source:Jamboree;Acc:XB-GENE-994793]	0.7109	0.0001
ENSXETG00000010382	ST6GAL2	ST6 beta-galactosamide alpha-2,6-sialyltranferase 2 [Source:Jamboree;Acc:XB-GENE-990439]	0.6393	0.0000
ENSXETG00000024127	ST8SIA2	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2 [Source:Jamboree;Acc:XB-GENE-960442]	0.7791	0.0163
ENSXETG00000007763	STC1	stanniocalcin 1 [Source:Jamboree;Acc:XB-GENE-949749]	0.2836	0.0000
ENSXETG00000009198	STMN1	stathmin 1 [Source:Jamboree;Acc:XB-GENE-481615]	0.5511	0.0000
ENSXETG00000027218	SUB1	SUB1 homolog [Source:Jamboree;Acc:XB-GENE-1015843]	0.8248	0.0338
ENSXETG00000015231	SULF1	sulfatase 1 [Source:Jamboree;Acc:XB-GENE-966419]	0.4424	0.0000
ENSXETG00000009267	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2 [Source:Jamboree;Acc:XB-GENE-6041310]	0.4312	0.0074
ENSXETG00000007889	SULT6B1	sulfotransferase family, cytosolic, 6B, member 1 [Source:Jamboree;Acc:XB-GENE-5735978]	0.4860	0.0416
ENSXETG00000018075	SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein [Source:Jamboree;Acc:XB-GENE-920046]	0.7178	0.0001
ENSXETG00000003874	TACC3	transforming, acidic coiled-coil containing protein 3 [Source:Jamboree;Acc:XB-GENE-483950]	0.2887	0.0000
ENSXETG00000000908	TAL2	T-cell acute lymphocytic leukemia 2 [Source:Jamboree;Acc:XB-GENE-965184]	0.7565	0.0042
ENSXETG00000012644	TARBP2	TAR (HIV-1) RNA binding protein 2 [Source:Jamboree;Acc:XB-GENE-491800]	0.7871	0.0160
ENSXETG00000006317	TARDBP	TAR DNA binding protein [Source:Jamboree;Acc:XB-GENE-974453]	0.7506	0.0059
ENSXETG00000015819	TC2N	tandem C2 domains, nuclear [Source:Jamboree;Acc:XB-GENE-983033]	0.6309	0.0315
ENSXETG00000008099	TCEA1	transcription elongation factor A (SII), 1 [Source:Jamboree;Acc:XB-GENE-1001315]	0.7556	0.0055
ENSXETG00000011568	TES	testis derived transcript (3 LIM domains) [Source:Jamboree;Acc:XB-GENE-1015357]	0.5744	0.0045
ENSXETG00000001074	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha) [Source:Jamboree;Acc:XB-GENE-481201]	0.4914	0.0000
ENSXETG00000021674	TFAP2B	transcription factor AP-2 beta (activating enhancer binding protein 2 beta) [Source:Jamboree;Acc:XB-GENE-485026]	0.6194	0.0000
ENSXETG00000027719	TFAP2E	transcription factor AP-2 epsilon (activating enhancer binding protein 2 epsilon) [Source:Jamboree;Acc:XB-GENE-876803]	0.4960	0.0000
ENSXETG00000014750	TFDP2	transcription factor Dp-2 (E2F dimerization partner 2) [Source:Jamboree;Acc:XB-GENE-1000260]	0.5247	0.0000
ENSXETG00000013900	TFPI2	tissue factor pathway inhibitor 2 [Source:Jamboree;Acc:XB-GENE-1002090]	0.5083	0.0000
ENSXETG00000003077	TFRC	transferrin receptor (p90, CD71) [Source:Jamboree;Acc:XB-GENE-487708]	0.7436	0.0070
ENSXETG00000025010	TGIF1	TGFB-induced factor homeobox 1 [Source:Jamboree;Acc:XB-GENE-853021]	0.4262	0.0000
ENSXETG00000017312	TGIF2	TGFB-induced factor homeobox 2 [Source:Jamboree;Acc:XB-GENE-876497]	0.2560	0.0002
ENSXETG00000009985	THA1P	threonine aldolase 1 pseudogene [Source:Jamboree;Acc:XB-GENE-972838]	0.5578	0.0021
ENSXETG00000027231	TIMM10	translocase of inner mitochondrial membrane 10 homolog [Source:Jamboree;Acc:XB-GENE-967786]	0.6523	0.0002
ENSXETG00000013999	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog) [Source:Jamboree;Acc:XB-GENE-868100]	0.6735	0.0002
ENSXETG00000023319	TM7SF2	transmembrane 7 superfamily member 2 [Source:Jamboree;Acc:XB-GENE-1005373]	0.7682	0.0148
ENSXETG00000027666	TMEFF1	transmembrane protein with EGF-like and two follistatin-like domains 1 [Source:Jamboree;Acc:XB-GENE-876375]	0.6860	0.0000
ENSXETG00000011941	TMEM132A	transmembrane protein 132A [Source:Jamboree;Acc:XB-GENE-1009879]	0.7571	0.0035
ENSXETG00000019603	TMEM52	transmembrane protein 52 [Source:Jamboree;Acc:XB-GENE-992217]	0.7410	0.0054
ENSXETG00000018649	TMEM98	transmembrane protein 98 [Source:Jamboree;Acc:XB-GENE-5859301]	0.5912	0.0002
ENSXETG00000005347	TMSB4X	thymosin beta 4, X-linked [Source:Jamboree;Acc:XB-GENE-6258559]	0.7236	0.0021
ENSXETG00000003024	TMTOPS.2	multiple tissue opsin, gene 2 [Source:Jamboree;Acc:XB-GENE-1018917]	0.5933	0.0256
ENSXETG00000004621	TNNI2	troponin I type 2 (skeletal, fast) [Source:Jamboree;Acc:XB-GENE-478629]	0.1645	0.0005
ENSXETG00000016812	TNPO1	transportin 1 [Source:Jamboree;Acc:XB-GENE-493792]	0.8149	0.0308
ENSXETG00000006442	TOX3	TOX high mobility group box family member 3 [Source:Jamboree;Acc:XB-GENE-5887160]	0.6910	0.0002
ENSXETG00000025055	TP53	tumor protein p53 [Source:Jamboree;Acc:XB-GENE-484286]	0.7725	0.0081
ENSXETG00000002749	TPP2	tripeptidyl peptidase II [Source:Jamboree;Acc:XB-GENE-922547]	0.8072	0.0255
ENSXETG00000020701	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2 [Source:Jamboree;Acc:XB-GENE-1015881]	0.5691	0.0069
ENSXETG00000002548	TPX2	TPX2 protein, microtubule-associated [Source:Jamboree;Acc:XB-GENE-5810264]	0.5461	0.0029
ENSXETG00000027014	TRAF4	TNF receptor-associated factor 4 [Source:Jamboree;Acc:XB-GENE-990354]	0.5725	0.0000
ENSXETG00000019245	TRIM28	tripartite motif containing 28 [Source:Jamboree;Acc:XB-GENE-1005536]	0.7783	0.0128
ENSXETG00000022539	TRIM67	tripartite motif containing 67 [Source:Jamboree;Acc:XB-GENE-959903]	0.7069	0.0059
ENSXETG00000016266	TRIM69.1	tripartite motif-containing 69, gene 1 [Source:Jamboree;Acc:XB-GENE-6462279]	0.7570	0.0045
ENSXETG00000013105	TRIP13	thyroid hormone receptor interactor 13 [Source:Jamboree;Acc:XB-GENE-974898]	0.2176	0.0000
ENSXETG00000016479	TRPM1	transient receptor potential cation channel, subfamily M, member 1 [Source:Jamboree;Acc:XB-GENE-492528]	0.8000	0.0466
ENSXETG00000002263	TTC28	tetratricopeptide repeat domain 28 [Source:Jamboree;Acc:XB-GENE-998938]	0.7051	0.0040
ENSXETG00000021244	TTC34	tetratricopeptide repeat domain 34 [Source:Jamboree;Acc:XB-GENE-991680]	0.4941	0.0002
ENSXETG00000015100	TTC39C	tetratricopeptide repeat domain 39C [Source:Jamboree;Acc:XB-GENE-5934070]	0.7856	0.0142
ENSXETG00000011768	TTK	TTK protein kinase [Source:Jamboree;Acc:XB-GENE-953775]	0.5096	0.0000
ENSXETG00000007975	TUBA3C	tubulin, alpha 3c [Source:Jamboree;Acc:XB-GENE-5788469]	0.8192	0.0438
ENSXETG00000011185	TUBA4A	tubulin, alpha 4a [Source:Jamboree;Acc:XB-GENE-490055]	0.7823	0.0055
ENSXETG00000024084	TUBB	tubulin, beta [Source:Jamboree;Acc:XB-GENE-482185]	0.6636	0.0000
ENSXETG00000018032	TUBB2B	tubulin, beta 2B [Source:Jamboree;Acc:XB-GENE-491121]	0.6250	0.0000
ENSXETG00000023413	TUBB3	tubulin, beta 3 [Source:Jamboree;Acc:XB-GENE-5886292]	0.6472	0.0000
ENSXETG00000005640	TUT1	terminal uridylyl transferase 1, U6 snRNA-specific [Source:Jamboree;Acc:XB-GENE-491663]	0.8307	0.0259
ENSXETG00000012905	TYRP1	tyrosinase-related protein 1 [Source:Jamboree;Acc:XB-GENE-1001464]	0.1513	0.0005
ENSXETG00000029638	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	0.4085	0.0000
ENSXETG00000014881	UBE2C	ubiquitin-conjugating enzyme E2C [Source:Jamboree;Acc:XB-GENE-971108]	0.5671	0.0106
ENSXETG00000017357	UCK2	uridine-cytidine kinase 2 [Source:Jamboree;Acc:XB-GENE-942591]	0.6342	0.0000
ENSXETG00000022306	UHRF1	ubiquitin-like with PHD and ring finger domains 1 [Source:Jamboree;Acc:XB-GENE-5821474]	0.5252	0.0000
ENSXETG00000004021	UNCX	UNC homeobox [Source:Jamboree;Acc:XB-GENE-920201]	0.7579	0.0094
ENSXETG00000022298	UNG	uracil-DNA glycosylase [Source:Jamboree;Acc:XB-GENE-960119]	0.6201	0.0001
ENSXETG00000027128	UQCRQ	ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa [Source:Jamboree;Acc:XB-GENE-977452]	0.7729	0.0211
ENSXETG00000005842	VANGL2	vang-like 2 [Source:Jamboree;Acc:XB-GENE-973460]	0.6836	0.0000
ENSXETG00000013214	VASH1	vasohibin 1 [Source:Jamboree;Acc:XB-GENE-956494]	0.7001	0.0002
ENSXETG00000014363	VASH2	vasohibin 2 [Source:Jamboree;Acc:XB-GENE-985620]	0.5663	0.0000
ENSXETG00000027815	VCAN	versican [Source:Jamboree;Acc:XB-GENE-922302]	0.3164	0.0000
ENSXETG00000012240	VEPH1	ventricular zone expressed PH domain homolog 1 [Source:Jamboree;Acc:XB-GENE-6041921]	0.3901	0.0000
ENSXETG00000007462	VIM	vimentin [Source:Jamboree;Acc:XB-GENE-493024]	0.5179	0.0000
ENSXETG00000017980	VPS24	vacuolar protein sorting 24 homolog [Source:Jamboree;Acc:XB-GENE-1005141]	0.7337	0.0006
ENSXETG00000023739	WRB	tryptophan rich basic protein [Source:Jamboree;Acc:XB-GENE-956728]	0.7709	0.0099
ENSXETG00000010058	XARP	Axin-related protein [Source:Jamboree;Acc:XB-GENE-6449828]	0.5818	0.0000

ENSXETG00000005035	XB-GENE-5722383	hypothetical protein LOC733945 [Source:Jamboree;Acc:XB-GENE-5722383]	0.5104	0.0062
ENSXETG00000006008	XB-GENE-5727893	novel protein similar to prothymosin, alpha [Source:Jamboree;Acc:XB-GENE-5727893]	0.6526	0.0000
ENSXETG00000011152	XB-GENE-5779195	cysteine-rich secretory protein 3 [Source:Jamboree;Acc:XB-GENE-5779195]	0.0110	0.0000
ENSXETG00000003689	XB-GENE-5796437	microsomal glutathione S-transferase 3-like [Source:Jamboree;Acc:XB-GENE-5796437]	0.7502	0.0138
ENSXETG00000018827	XB-GENE-5897024	phosphatidylserine decarboxylase [Source:Jamboree;Acc:XB-GENE-5897024]	0.7284	0.0040
ENSXETG00000015354	XB-GENE-5945160	Cry1 protein [Source:Jamboree;Acc:XB-GENE-5945160]	0.3296	0.0000
ENSXETG00000026630	XB-GENE-5956431	hypothetical LOC493204 [Source:Jamboree;Acc:XB-GENE-5956431]	0.5591	0.0000
ENSXETG00000017460	XB-GENE-5994590	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Z3K9]	0.5966	0.0298
ENSXETG00000021701	XB-GENE-971646	Putative ortholog of dNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (RLF beta subunit) (P102 protein) (P1-MCM3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-971646]	0.1945	0.0000
ENSXETG00000024924	XB-GENE-980731	Putative ortholog of glutathione S-transferase, theta 3, 2 of 2 [Source:Jamboree;Acc:XB-GENE-980731]	0.5223	0.0183
ENSXETG00000000312	XB-GENE-981231	Putative ortholog of kinesin-like protein KIF14, 1 of 1 [Source:Jamboree;Acc:XB-GENE-981231]	0.2103	0.0000
ENSXETG00000016178	XB-GENE-982799	conserved hypothetical protein, 1 of 1 [Source:Jamboree;Acc:XB-GENE-982799]	0.7405	0.0053
ENSXETG00000011949	XB-GENE-994785	conserved hypothetical protein similar to mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933430J11 product:hypothetical Proline-rich region/von Willebrand factor type A domain containing protein, full insert sequence, 1 of 1 [Source:Jamboree;Acc:XB-GENE-994785]	0.8017	0.0408
ENSXETG00000000291	XGB	x globin [Source:Jamboree;Acc:XB-GENE-5749914]	0.6845	0.0034
ENSXETG00000009649	XKRX	XK, Kell blood group complex subunit-related, X-linked [Source:Jamboree;Acc:XB-GENE-957186]	0.3498	0.0000
ENSXETG00000007460	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound [Source:Jamboree;Acc:XB-GENE-969249]	0.6602	0.0000
ENSXETG00000002224	XPO1	exportin 1 (CRM1 homolog) [Source:Jamboree;Acc:XB-GENE-993240]	0.7759	0.0096
ENSXETG00000004548	XRCC6	X-ray repair complementing defective repair in Chinese hamster cells 6 [Source:Jamboree;Acc:XB-GENE-970899]	0.8048	0.0263
ENSXETG00000029114	XTR-MIR-135-2	xtr-mir-135-2 [Source:miRBase;Acc:MI0004933]	0.6575	0.0001
ENSXETG00000029157	XTR-MIR-210	xtr-mir-210 [Source:miRBase;Acc:MI0004864]	0.4340	0.0000
ENSXETG00000029161	XTR-MIR-25-2	xtr-mir-25-1 [Source:miRBase;Acc:MI0004914]	0.5791	0.0060
ENSXETG00000029151	XTR-MIR-363	xtr-mir-363 [Source:miRBase;Acc:MI0004955]	0.3846	0.0000
ENSXETG00000028983	XTR-MIR-365-1	xtr-mir-365-1 [Source:miRBase;Acc:MI0004879]	0.4793	0.0021
ENSXETG00000029113	XTR-MIR-9B	xtr-mir-9b [Source:miRBase;Acc:MI0004795]	0.6772	0.0000
ENSXETG00000013436	YBX1	Y box binding protein 1 [Source:Jamboree;Acc:XB-GENE-480746]	0.8006	0.0155
ENSXETG00000014526	ZBED4	zinc finger, BED-type containing 4 [Source:Jamboree;Acc:XB-GENE-6076969]	0.6502	0.0002
ENSXETG00000004479	ZBTB33	zinc finger and BTB domain containing 33 [Source:Jamboree;Acc:XB-GENE-486567]	0.6151	0.0000
ENSXETG00000004417	ZBTB39	zinc finger and BTB domain containing 39 [Source:Jamboree;Acc:XB-GENE-957946]	0.6597	0.0005
ENSXETG00000006162	ZBTB47	zinc finger and BTB domain containing 47 [Source:Jamboree;Acc:XB-GENE-992955]	0.6965	0.0001
ENSXETG00000020357	ZBTB9	zinc finger and BTB domain containing 9 [Source:Jamboree;Acc:XB-GENE-491893]	0.7241	0.0032
ENSXETG00000007797	ZCCHC8	zinc finger, CCHC domain containing 8 [Source:Jamboree;Acc:XB-GENE-977402]	0.7684	0.0163
ENSXETG00000027185	ZDHHC20	zinc finger, DHHC-type containing 2 [Source:Jamboree;Acc:XB-GENE-958735]	0.7355	0.0139
ENSXETG00000007463	ZDHHC9	zinc finger, DHHC-type containing 9 [Source:Jamboree;Acc:XB-GENE-1016830]	0.6657	0.0000
ENSXETG00000022562	ZFHX2	zinc finger homeobox 2 [Source:Jamboree;Acc:XB-GENE-485321]	0.7981	0.0317
ENSXETG00000017151	ZFHX4	zinc finger homeobox 4 [Source:Jamboree;Acc:XB-GENE-957673]	0.7282	0.0003
ENSXETG00000016987	ZFP36L1	zinc finger protein 36, C3H type-like 1 [Source:Jamboree;Acc:XB-GENE-966625]	0.5207	0.0000
ENSXETG00000018864	ZIC2	Zic family member 2 [Source:Jamboree;Acc:XB-GENE-482654]	0.8337	0.0462
ENSXETG00000024458	ZIC3	Zic family member 3 [Source:Jamboree;Acc:XB-GENE-480431]	0.7099	0.0116
ENSXETG00000015475	ZIC4	Zic family member 4 [Source:Jamboree;Acc:XB-GENE-1033015]	0.7702	0.0111
ENSXETG00000018872	ZIC5	Zic family member 5 [Source:Jamboree;Acc:XB-GENE-480775]	0.7193	0.0128
ENSXETG00000016118	ZMAT2	zinc finger, matrin-type 2 [Source:Jamboree;Acc:XB-GENE-1217476]	0.6928	0.0001
ENSXETG00000002643	ZMYM2	zinc finger, MYM-type 2 [Source:Jamboree;Acc:XB-GENE-961591]	0.8036	0.0329
ENSXETG00000016157	ZNF219	zinc finger protein 219 [Source:Jamboree;Acc:XB-GENE-1001695]	0.7671	0.0039
ENSXETG00000008601	ZNF238.2	zinc finger protein 238, gene 2 [Source:Jamboree;Acc:XB-GENE-1219066]	0.5385	0.0002
ENSXETG00000018018	ZNF292	zinc finger protein 292 [Source:Jamboree;Acc:XB-GENE-976882]	0.7526	0.0204
ENSXETG00000006087	ZNF326	zinc finger protein 326 [Source:Jamboree;Acc:XB-GENE-483978]	0.7215	0.0003
ENSXETG00000002298	ZNF385C	zinc finger protein 385C [Source:Jamboree;Acc:XB-GENE-6258007]	0.6985	0.0015
ENSXETG00000001910	ZNF646	zinc finger protein 646 [Source:Jamboree;Acc:XB-GENE-6458742]	0.6859	0.0019
ENSXETG00000001911	ZNF668	zinc finger protein 668 [Source:Jamboree;Acc:XB-GENE-962154]	0.6949	0.0175
ENSXETG00000010417	ZNF704	zinc finger protein 704 [Source:Jamboree;Acc:XB-GENE-988666]	0.1041	0.0000
ENSXETG00000015894	ZWILCH	Zwilch, kinetochore associated, homolog [Source:Jamboree;Acc:XB-GENE-5861097]	0.5607	0.0038

Complete List of Upregulated Genes Between NF stage 62 and 66

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000024219	A2M	alpha-2-macroglobulin [Source:Jamboree;Acc:XB-GENE-481725]	1.8900	0.0017
ENSXETG00000027291	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4 [Source:Jamboree;Acc:XB-GENE-1006704]	1.4508	0.0022
ENSXETG00000019998	ACOT11	acyl-CoA thioesterase 11 [Source:Jamboree;Acc:XB-GENE-5864266]	1.4166	0.0210
ENSXETG00000006223	ACOT9	acyl-CoA thioesterase 9 [Source:Jamboree;Acc:XB-GENE-943630]	1.4175	0.0040
ENSXETG00000012714	ARHGEF37	Rho guanine nucleotide exchange factor (GEF) 37 [Source:Jamboree;Acc:XB-GENE-988765]	1.3381	0.0271
ENSXETG00000023076	ASPG	asparaginase homolog [Source:Jamboree;Acc:XB-GENE-993696]	1.3809	0.0033
ENSXETG00000025087	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Source:Jamboree;Acc:XB-GENE-998807]	1.4225	0.0291
ENSXETG00000004284	BDNF	brain-derived neurotrophic factor [Source:Jamboree;Acc:XB-GENE-955554]	1.3674	0.0196
ENSXETG00000012727	C5ORF41	chromosome 5 open reading frame 41 [Source:Jamboree;Acc:XB-GENE-988760]	1.9777	0.0000
ENSXETG00000007886	C6ORF170	chromosome 6 open reading frame 170 [Source:Jamboree;Acc:XB-GENE-5791257]	1.3445	0.0257
ENSXETG00000013740	CA2	carbonic anhydrase 2 [Source:Jamboree;Acc:XB-GENE-484348]	1.4246	0.0210
ENSXETG00000003831	CLK1	CDC-like kinase 1 [Source:Jamboree;Acc:XB-GENE-6041600]	1.2958	0.0391
ENSXETG00000003885	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2 [Source:Jamboree;Acc:XB-GENE-6258041]	2.3734	0.0000
ENSXETG00000015432	DTNBP1	dystrobrevin binding protein 1 [Source:Jamboree;Acc:XB-GENE-5812147]	1.3868	0.0001
ENSXETG00000001527	GAB3	GRB2-associated binding protein 3 [Source:Jamboree;Acc:XB-GENE-948841]	1.3217	0.0097
ENSXETG00000018547	GATA1	GATA binding protein 1 (globin transcription factor 1) [Source:Jamboree;Acc:XB-GENE-484636]	2.1298	0.0250
ENSXETG00000026602	GSTO2	glutathione S-transferase omega 2 [Source:Jamboree;Acc:XB-GENE-967227]	1.5366	0.0001
ENSXETG00000001541	GUCA1B	guanylate cyclase activator 1B (retina) [Source:HGNC Symbol;Acc:HGNC:4679]	1.6767	0.0002
ENSXETG00000015433	JARID2	jumonji, AT rich interactive domain 2 [Source:Jamboree;Acc:XB-GENE-982166]	1.8816	0.0000
ENSXETG00000002262	KCNT1	potassium channel, subfamily T, member 1 [Source:RefSeq peptide;Acc:NP_001072365]	1.3599	0.0032
ENSXETG00000015484	KIAA1797	KIAA1797 [Source:Jamboree;Acc:XB-GENE-6038577]	1.4702	0.0001
ENSXETG00000023887	MAN2C1	mannosidase, alpha, class 2C, member 1 [Source:Jamboree;Acc:XB-GENE-992248]	2.1855	0.0006
ENSXETG00000005399	N/A	N/A	1.8603	0.0394
ENSXETG00000008814	N/A	N/A	1.7283	0.0149
ENSXETG00000010935	N/A	N/A	1.9836	0.0000
ENSXETG00000025524	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6YYA0]	2.0533	0.0001
ENSXETG00000026238	N/A	N/A	1.7396	0.0000
ENSXETG00000027477	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6WEX9]	1.6620	0.0050
ENSXETG00000028006	N/A	N/A	1.4793	0.0191
XLOC_002484	N/A	N/A	1.8313	0.0195
XLOC_006019	N/A	N/A	1.8464	0.0257
XLOC_007693	N/A	N/A	1.3674	0.0392
XLOC_009719	N/A	N/A	2.6182	0.0000
XLOC_010384	N/A	N/A	14.1572	0.0438
XLOC_010388	N/A	N/A	2.0749	0.0000
XLOC_015590	N/A	N/A	1.9437	0.0000
XLOC_018808	N/A	N/A	1.3313	0.0228
XLOC_020052	N/A	N/A	1.5872	0.0271
XLOC_021605	N/A	N/A	1.3450	0.0449
XLOC_021611	N/A	N/A	1.3509	0.0351
XLOC_028693	N/A	N/A	1.4044	0.0312
XLOC_029674	N/A	N/A	1.4785	0.0017
XLOC_032373	N/A	N/A	1.4753	0.0332
XLOC_032757	N/A	N/A	1.7496	0.0230
XLOC_033609	N/A	N/A	1.5777	0.0000
XLOC_041084	N/A	N/A	2.2344	0.0001

ENSXETG00000027610	NAAA	N-acylethanolamine acid amidase [Source:Jamboree;Acc:XB-GENE-1006650]	2.0729	0.0016
ENSXETG00000025925	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase) [Source:Jamboree;Acc:XB-GENE-975277]	1.3573	0.0257
ENSXETG00000003869	NR1D2	nuclear receptor subfamily 1, group D, member 2 [Source:Jamboree;Acc:XB-GENE-478410]	1.3192	0.0437
ENSXETG00000012083	PANK4	pantothenate kinase 4 [Source:Jamboree;Acc:XB-GENE-1012421]	1.3186	0.0378
ENSXETG00000009785	PHACTR2	phosphatase and actin regulator 2 [Source:Jamboree;Acc:XB-GENE-494731]	1.4265	0.0086
ENSXETG00000022510	PHF17	PHD finger protein 17 [Source:Jamboree;Acc:XB-GENE-949213]	1.4215	0.0403
ENSXETG00000017095	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B [Source:Jamboree;Acc:XB-GENE-5738329]	1.9100	0.0002
ENSXETG00000021664	PRODH	proline dehydrogenase (oxidase) 1 [Source:Jamboree;Acc:XB-GENE-5866533]	2.0839	0.0000
ENSXETG00000000118	SLC2A12	solute carrier family 2 (facilitated glucose transporter), member 12 [Source:Jamboree;Acc:XB-GENE-1012136]	1.4214	0.0438
ENSXETG00000002122	SOD3	superoxide dismutase 3, extracellular [Source:Jamboree;Acc:XB-GENE-1008938]	3.9645	0.0073
ENSXETG00000009999	SPATA20	spermatogenesis associated 20 [Source:Jamboree;Acc:XB-GENE-1013612]	1.6923	0.0012
ENSXETG00000019834	SPG7	spastic paraplegia 7 (pure and complicated autosomal recessive) [Source:Jamboree;Acc:XB-GENE-6034036]	1.3007	0.0473
ENSXETG00000000198	TRERF1	transcriptional regulating factor 1 [Source:Jamboree;Acc:XB-GENE-940630]	1.2905	0.0394
ENSXETG00000018877	TRIM69.2	tripartite motif containing 69 [Source:Jamboree;Acc:XB-GENE-5742396]	1.2670	0.0471
ENSXETG00000029598	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]	2.1863	0.0492
ENSXETG00000007265	USP13	usp13 [Source:Jamboree;Acc:XB-GENE-998128]	1.6995	0.0001
ENSXETG00000001391	VPS13D	vacuolar protein sorting 13 homolog D [Source:Jamboree;Acc:XB-GENE-923472]	1.3089	0.0394
ENSXETG00000026901	VRK3	vaccinia related kinase 3 [Source:Jamboree;Acc:XB-GENE-986614]	1.6415	0.0000
ENSXETG00000024477	XB-GENE-5730116	hypothetical protein LOC100127850 [Source:Jamboree;Acc:XB-GENE-5730116]	1.7308	0.0011
ENSXETG00000027563	XB-GENE-5903984	MGC80550 protein [Source:Jamboree;Acc:XB-GENE-5903984]	3.2753	0.0034
ENSXETG00000015923	XB-GENE-5949053	hypothetical protein LOC100137635 [Source:Jamboree;Acc:XB-GENE-5949053]	1.7040	0.0191
ENSXETG00000027480	XB-GENE-968486	Putative ortholog of dimeric dihydrodiol dehydrogenase; 3-deoxyglucosone reductase [Similar to Homo sapien gene from Source:RefSeq;Acc:NM_014475], 1 of 1 [Source:Jamboree;Acc:XB-GENE-968486]	1.5462	0.0235
ENSXETG00000021160	ZNF395	zinc finger protein 395 [Source:Jamboree;Acc:XB-GENE-1218956]	1.3998	0.0444
ENSXETG00000010417	ZNF704	zinc finger protein 704 [Source:Jamboree;Acc:XB-GENE-988666]	2.7785	0.0026

Complete List of Downregulated Genes Between NF stage 62 and 66

Ensembl ID	Gene ID	Description	Fold Change	padj
ENSXETG00000001210	AACS	acetoacetyl-CoA synthetase [Source:Jamboree;Acc:XB-GENE-490085]	0.6081	0.0000
ENSXETG00000021174	ACAT2	acetyl-CoA acetyltransferase 2 [Source:Jamboree;Acc:XB-GENE-5929870]	0.5992	0.0004
ENSXETG00000004291	ACSS2.2	acyl-CoA synthetase short-chain family member 2, gene 2 [Source:Jamboree;Acc:XB-GENE-5916994]	0.6354	0.0000
ENSXETG00000008129	ADAMTS3	ADAM metallopeptidase with thrombospondin type 1 motif, 3 [Source:Jamboree;Acc:XB-GENE-490472]	0.5801	0.0025
ENSXETG00000018034	BPHL	biphenyl hydrolase-like (serine hydrolase) [Source:Jamboree;Acc:XB-GENE-988291]	0.7887	0.0312
ENSXETG00000001537	CASP3	caspase 3, apoptosis-related cysteine peptidase [Source:Jamboree;Acc:XB-GENE-479960]	0.7431	0.0038
ENSXETG00000003123	CDK1	cyclin-dependent kinase 1 [Source:Jamboree;Acc:XB-GENE-482750]	0.3386	0.0034
ENSXETG00000018063	CGA	glycoprotein hormones, alpha polypeptide [Source:Jamboree;Acc:XB-GENE-478483]	0.4942	0.0121
ENSXETG00000020708	CKAP2	cytoskeleton associated protein 2 [Source:Jamboree;Acc:XB-GENE-1004436]	0.2800	0.0000
ENSXETG00000003286	CNN1	calponin 1, basic, smooth muscle [Source:Jamboree;Acc:XB-GENE-1005289]	0.6812	0.0042
ENSXETG00000003154	COLEC12	collectin sub-family member 12 [Source:Jamboree;Acc:XB-GENE-984626]	0.5353	0.0067
ENSXETG00000017037	CPE	carboxypeptidase E [Source:Jamboree;Acc:XB-GENE-952270]	0.6124	0.0001
ENSXETG00000009054	CYB5R2	cytochrome b5 reductase 2 [Source:Jamboree;Acc:XB-GENE-1006041]	0.5749	0.0003
ENSXETG00000003432	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1 [Source:Jamboree;Acc:XB-GENE-985396]	0.6660	0.0002
ENSXETG00000024414	DIO3	deiodinase, iodothyronine, type 3 [Source:Jamboree;Acc:XB-GENE-487490]	0.6603	0.0121
ENSXETG00000020146	EZH2	enhancer of zeste homolog 2 [Source:Jamboree;Acc:XB-GENE-956215]	0.6616	0.0007
ENSXETG00000024500	FAAH.1	fatty acid amide hydrolase, gene 1 [Source:Jamboree;Acc:XB-GENE-5837110]	0.5676	0.0242
ENSXETG00000004361	FAAH.3	fatty acid amide hydrolase, gene 3 [Source:Jamboree;Acc:XB-GENE-997956]	0.5463	0.0020
ENSXETG00000023297	FABP7	fatty acid binding protein 7, brain [Source:Jamboree;Acc:XB-GENE-967704]	0.7083	0.0017
ENSXETG00000022667	FAM83G	family with sequence similarity 83, member G [Source:Jamboree;Acc:XB-GENE-6258742]	0.6380	0.0125
ENSXETG00000014366	FLVCR1	feline leukemia virus subgroup C cellular receptor 1 [Source:Jamboree;Acc:XB-GENE-6050557]	0.6368	0.0002
ENSXETG00000022970	FSTL3	follistatin-like 3 (secreted glycoprotein) [Source:Jamboree;Acc:XB-GENE-876426]	0.6437	0.0278
ENSXETG00000014248	GH1	growth hormone 1 [Source:Jamboree;Acc:XB-GENE-487882]	0.3730	0.0002
ENSXETG00000005084	HMGCR	3-hydroxy-3-methylglutaryl-CoA reductase [Source:Jamboree;Acc:XB-GENE-5840593]	0.7309	0.0017
ENSXETG00000016587	HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble) [Source:Jamboree;Acc:XB-GENE-942074]	0.5871	0.0000
ENSXETG00000014020	IGF2	insulin-like growth factor 2 (somatomedin A) [Source:Jamboree;Acc:XB-GENE-482586]	0.4847	0.0022
ENSXETG00000013492	INSIG1	insulin induced gene 1 [Source:Jamboree;Acc:XB-GENE-487039]	0.7062	0.0007
ENSXETG00000012981	KIAA1199	KIAA1199 [Source:Jamboree;Acc:XB-GENE-6048265]	0.6564	0.0002
ENSXETG00000006721	KIF20A	kinesin family member 20A [Source:Jamboree;Acc:XB-GENE-967269]	0.3554	0.0155
ENSXETG00000009352	LDLR	low density lipoprotein receptor [Source:Jamboree;Acc:XB-GENE-962372]	0.6922	0.0176
ENSXETG00000004899	LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) [Source:Jamboree;Acc:XB-GENE-5786978]	0.6639	0.0003
ENSXETG00000002100	MAD2L1	MAD2 mitotic arrest deficient-like 1 [Source:Jamboree;Acc:XB-GENE-947153]	0.3112	0.0427
ENSXETG00000004854	MCM4	minichromosome maintenance complex component 4 [Source:Jamboree;Acc:XB-GENE-1011481]	0.5198	0.0373
ENSXETG00000022372	MMP11	matrix metallopeptidase 11 (stromelysin 3) [Source:Jamboree;Acc:XB-GENE-479265]	0.4038	0.0000
ENSXETG00000017427	MVD	mevalonate (diphospho) decarboxylase [Source:Jamboree;Acc:XB-GENE-975218]	0.6207	0.0002
ENSXETG00000010956	MYCL1	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived [Source:Jamboree;Acc:XB-GENE-6453835]	0.6571	0.0046
ENSXETG00000004494	N/A	N/A	0.5700	0.0210
ENSXETG00000009841	N/A	N/A	0.5124	0.0005
ENSXETG00000024090	N/A	N/A	0.7007	0.0031
ENSXETG00000026786	N/A	N/A	0.4807	0.0073
XLOC_002824	N/A	N/A	0.2064	0.0000
XLOC_004427	N/A	N/A	0.3137	0.0394
XLOC_014132	N/A	N/A	0.5797	0.0000
XLOC_017843	N/A	N/A	0.7283	0.0089
XLOC_017864	N/A	N/A	0.7248	0.0210
XLOC_020096	N/A	N/A	0.6617	0.0414
XLOC_023344	N/A	N/A	0.5736	0.0002
XLOC_026754	N/A	N/A	0.4573	0.0002
XLOC_032909	N/A	N/A	0.5285	0.0020
XLOC_033466	N/A	N/A	0.3679	0.0049
XLOC_035163	N/A	N/A	0.6014	0.0000
ENSXETG00000007198	NUDT22	nudix (nucleoside diphosphate linked moiety X)-type motif 22 [Source:Jamboree;Acc:XB-GENE-5961541]	0.5869	0.0000
ENSXETG00000027499	NUSAP1	nucleolar and spindle associated protein 1 [Source:Jamboree;Acc:XB-GENE-479486]	0.4955	0.0038
ENSXETG00000021587	PDZD3	PDZ domain containing 3 [Source:Jamboree;Acc:XB-GENE-486153]	0.5782	0.0003
ENSXETG00000011263	PMEPA1	prostate transmembrane protein, androgen induced 1 [Source:Jamboree;Acc:XB-GENE-1013948]	0.7008	0.0473
ENSXETG00000004865	PNPLA3	patatin-like phospholipase domain containing 3 [Source:Jamboree;Acc:XB-GENE-5855123]	0.6453	0.0438
ENSXETG00000007199	PPP1R14B	protein phosphatase 1, regulatory (inhibitor) subunit 14B [Source:Jamboree;Acc:XB-GENE-485314]	0.6679	0.0030
ENSXETG00000019260	PROCA1	protein interacting with cyclin A1 [Source:Jamboree;Acc:XB-GENE-1005546]	0.7745	0.0437
ENSXETG00000018261	QPCTL	glutaminyl-peptide cyclotransferase-like [Source:Jamboree;Acc:XB-GENE-940804]	0.6699	0.0161
ENSXETG00000003527	RRM2.1	ribonucleotide reductase M2, gene 1 [Source:Jamboree;Acc:XB-GENE-947052]	0.3902	0.0210
ENSXETG00000024151	SHD	Src homology 2 domain containing transforming protein D [Source:Jamboree;Acc:XB-GENE-492409]	0.3982	0.0155
ENSXETG00000022665	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10 [Source:Jamboree;Acc:XB-GENE-6035396]	0.6486	0.0079
ENSXETG00000003335	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 [Source:Jamboree;Acc:XB-GENE-960114]	0.4367	0.0202
ENSXETG00000023050	SQLE	squalene epoxidase [Source:Jamboree;Acc:XB-GENE-1013583]	0.6114	0.0000
ENSXETG00000000682	TDH	L-threonine dehydrogenase [Source:Jamboree;Acc:XB-GENE-976744]	0.4840	0.0000
ENSXETG00000007922	THIBZ	thyroid hormone induced bZip protein [Source:Jamboree;Acc:XB-GENE-484679]	0.1912	0.0000
ENSXETG00000024084	TUBB	tubulin, beta [Source:Jamboree;Acc:XB-GENE-482185]	0.7706	0.0033
ENSXETG00000018032	TUBB2B	tubulin, beta 2B [Source:Jamboree;Acc:XB-GENE-491121]	0.7481	0.0024

Supplemental Table 4.7. Gene ontology analysis of differentially expressed genes in *X. tropicalis* tadpole brain during metamorphosis

Complete List of Enriched GO Terms among Downregulated Genes between NF stage 50 vs 56

p-value	term ID	t type	Description
1.55E-02	GO:0007399	BP	nervous system development
1.76E-02	GO:0032502	BP	developmental process
2.43E-02	GO:0048856	BP	anatomical structure development
1.67E-02	GO:0044767	BP	single-organism developmental process
8.67E-03	GO:0007275	BP	multicellular organismal development
7.33E-05	GO:0007059	BP	chromosome segregation
9.25E-03	GO:0044238	BP	primary metabolic process
8.64E-04	GO:0034660	BP	ncRNA metabolic process
3.10E-02	GO:0006399	BP	tRNA metabolic process
1.89E-02	GO:0071704	BP	organic substance metabolic process
4.09E-06	GO:1901360	BP	organic cyclic compound metabolic process
5.38E-05	GO:0006950	BP	response to stress
2.92E-06	GO:0033554	BP	cellular response to stress
1.95E-07	GO:0006974	BP	cellular response to DNA damage stimulus
4.03E-03	GO:0009058	BP	biosynthetic process
3.93E-03	GO:1901576	BP	organic substance biosynthetic process
3.27E-03	GO:0009059	BP	macromolecule biosynthetic process
1.41E-07	GO:0006807	BP	nitrogen compound metabolic process
1.35E-03	GO:0044237	BP	cellular metabolic process
8.68E-06	GO:0046483	BP	heterocycle metabolic process
8.30E-06	GO:0034641	BP	cellular nitrogen compound metabolic process
2.08E-03	GO:0044260	BP	cellular macromolecule metabolic process
2.78E-06	GO:0006725	BP	cellular aromatic compound metabolic process
2.55E-05	GO:0006139	BP	nucleobase-containing compound metabolic process
6.43E-07	GO:0090304	BP	nucleic acid metabolic process
1.45E-06	GO:0006259	BP	DNA metabolic process
3.27E-06	GO:0006281	BP	DNA repair
5.89E-03	GO:0044249	BP	cellular biosynthetic process
2.70E-03	GO:0034645	BP	cellular macromolecule biosynthetic process
4.50E-09	GO:0006260	BP	DNA replication
3.66E-05	GO:0006261	BP	DNA-dependent DNA replication
7.53E-04	GO:0006082	BP	organic acid metabolic process
7.03E-04	GO:0043436	BP	oxoacid metabolic process
3.98E-04	GO:0019752	BP	carboxylic acid metabolic process
1.58E-06	GO:0006520	BP	cellular amino acid metabolic process
2.75E-02	GO:1901605	BP	alpha-amino acid metabolic process
1.38E-02	GO:0009069	BP	serine family amino acid metabolic process
2.52E-02	GO:0006563	BP	L-serine metabolic process
2.55E-02	GO:0006564	BP	L-serine biosynthetic process
1.45E-03	GO:0043038	BP	amino acid activation
1.45E-03	GO:0043039	BP	tRNA aminoacylation
1.14E-03	GO:0006418	BP	tRNA aminoacylation for protein translation
4.93E-02	GO:0048663	BP	neuron fate commitment
2.55E-02	GO:0034308	BP	primary alcohol metabolic process
8.29E-07	GO:0048285	BP	organelle fission
2.82E-07	GO:0000280	BP	nuclear division
1.96E-05	GO:1902589	BP	single-organism organelle organization
6.69E-17	GO:0007049	BP	cell cycle
2.64E-13	GO:0022402	BP	cell cycle process
2.70E-11	GO:0000278	BP	mitotic cell cycle
5.62E-09	GO:1903047	BP	mitotic cell cycle process
2.71E-07	GO:0007067	BP	mitotic nuclear division
3.49E-06	GO:0051726	BP	regulation of cell cycle
4.63E-02	GO:0007346	BP	regulation of mitotic cell cycle
1.46E-02	GO:0010564	BP	regulation of cell cycle process
2.48E-02	GO:0010948	BP	negative regulation of cell cycle process
5.50E-06	GO:0007017	BP	microtubule-based process
4.19E-14	GO:0051301	BP	cell division
9.34E-05	GO:0000910	BP	cytokinesis
4.03E-02	GO:0007010	BP	cytoskeleton organization
4.86E-04	GO:0000226	BP	microtubule cytoskeleton organization
9.69E-03	GO:0031023	BP	microtubule organizing center organization
6.63E-03	GO:0051297	BP	centrosome organization
6.63E-03	GO:0007051	BP	spindle organization
1.56E-02	GO:0051225	BP	spindle assembly
5.23E-03	GO:0030261	BP	chromosome condensation
2.44E-02	GO:0006928	BP	movement of cell or subcellular component
3.46E-03	GO:0000793	CC	condensed chromosome
3.00E-02	GO:0098687	CC	chromosomal region
6.43E-03	GO:0000775	CC	chromosome, centromeric region
1.66E-03	GO:0032991	CC	macromolecular complex
3.29E-02	GO:0043234	CC	protein complex
6.41E-07	GO:0043226	CC	organelle
3.65E-06	GO:0043228	CC	non-membrane-bounded organelle
1.63E-02	GO:0043227	CC	membrane-bounded organelle

3.09E-05	GO:0005622	CC	intracellular
9.95E-08	GO:0044424	CC	intracellular part
4.43E-07	GO:0043229	CC	intracellular organelle
3.65E-06	GO:0043232	CC	intracellular non-membrane-bounded organelle
7.14E-05	GO:0005856	CC	cytoskeleton
1.36E-05	GO:0044430	CC	cytoskeletal part
7.19E-05	GO:0015630	CC	microtubule cytoskeleton
1.01E-03	GO:0005874	CC	microtubule
7.91E-06	GO:0005875	CC	microtubule associated complex
8.94E-04	GO:0005871	CC	kinesin complex
1.49E-02	GO:0043231	CC	intracellular membrane-bounded organelle
7.11E-06	GO:0005634	CC	nucleus
2.91E-02	GO:0016817	MF	hydrolase activity, acting on acid anhydrides
2.40E-02	GO:0016818	MF	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides
2.17E-02	GO:0016462	MF	pyrophosphatase activity
3.28E-02	GO:0017111	MF	nucleoside-triphosphatase activity
1.48E-02	GO:0004386	MF	helicase activity
4.51E-02	GO:0003777	MF	microtubule motor activity
1.84E-03	GO:0016875	MF	ligase activity, forming carbon-oxygen bonds
1.84E-03	GO:0016876	MF	ligase activity, forming aminoacyl-tRNA and related compounds
1.84E-03	GO:0004812	MF	aminoacyl-tRNA ligase activity
3.66E-02	GO:0005488	MF	binding
7.12E-05	GO:1901363	MF	heterocyclic compound binding
8.99E-05	GO:0097159	MF	organic cyclic compound binding
1.49E-03	GO:1901265	MF	nucleoside phosphate binding
3.24E-02	GO:0003676	MF	nucleic acid binding
8.24E-03	GO:0003677	MF	DNA binding
1.29E-04	GO:0097367	MF	carbohydrate derivative binding
1.15E-04	GO:0044877	MF	macromolecular complex binding
1.34E-03	GO:0032403	MF	protein complex binding
1.08E-03	GO:0036094	MF	small molecule binding
9.14E-04	GO:0001882	MF	nucleoside binding
1.43E-03	GO:0001883	MF	purine nucleoside binding
8.48E-04	GO:0032549	MF	ribonucleoside binding
1.43E-03	GO:0032550	MF	purine ribonucleoside binding
1.49E-03	GO:0000166	MF	nucleotide binding
1.14E-03	GO:0032553	MF	ribonucleotide binding
6.77E-04	GO:0017076	MF	purine nucleotide binding
8.27E-04	GO:0032555	MF	purine ribonucleotide binding
3.42E-06	GO:0030554	MF	adenyl nucleotide binding
4.18E-06	GO:0032559	MF	adenyl ribonucleotide binding
1.05E-02	GO:0043168	MF	anion binding
1.29E-03	GO:0035639	MF	purine ribonucleoside triphosphate binding
3.52E-06	GO:0005524	MF	ATP binding
3.54E-04	GO:0015631	MF	tubulin binding
2.16E-04	GO:0008017	MF	microtubule binding
2.35E-02	KEGG:00240	ke	Pyrimidine metabolism
4.59E-04	KEGG:04115	ke	p53 signaling pathway
9.78E-09	KEGG:04110	ke	Cell cycle
6.50E-04	KEGG:00970	ke	Aminoacyl-tRNA biosynthesis
5.15E-18	REAC:6158570	re	Cell Cycle
1.39E-16	REAC:6158569	re	Cell Cycle, Mitotic
2.79E-04	REAC:6158578	re	S Phase
9.98E-06	REAC:6159066	re	M Phase
3.05E-13	REAC:6159880	re	Mitotic Prometaphase
3.21E-10	REAC:6159879	re	Resolution of Sister Chromatid Cohesion
9.72E-04	REAC:6159972	re	Condensation of Prometaphase Chromosomes
5.35E-06	REAC:6159133	re	Mitotic Metaphase and Anaphase
2.25E-05	REAC:6159248	re	Mitotic Anaphase
1.04E-05	REAC:6159247	re	Separation of Sister Chromatids
4.02E-08	REAC:6158581	re	Mitotic G1-G1/S phases
8.96E-05	REAC:6159801	re	G0 and Early G1
2.08E-07	REAC:6158580	re	G1/S Transition
2.47E-04	REAC:6159718	re	G1/S-Specific Transcription
7.42E-07	REAC:6159005	re	E2F mediated regulation of DNA replication
3.72E-05	REAC:6158599	re	Cell Cycle Checkpoints
3.93E-06	REAC:6158607	re	G2/M Checkpoints
3.99E-04	REAC:6158606	re	Activation of ATR in response to replication stress
1.77E-05	REAC:6158571	re	DNA Replication
2.49E-02	REAC:6158577	re	Synthesis of DNA
7.15E-04	REAC:6158588	re	DNA strand elongation
5.03E-04	REAC:6159188	re	Unwinding of DNA
1.16E-02	REAC:6158576	re	DNA replication initiation
9.27E-05	REAC:6158568	re	M/G1 Transition
9.27E-05	REAC:6158567	re	DNA Replication Pre-Initiation
1.25E-07	REAC:6158579	re	Activation of the pre-replicative complex
5.01E-06	REAC:6159786	re	Kinesins
1.16E-02	REAC:6159280	re	Telomere C-strand synthesis initiation
2.07E-02	REAC:6159782	re	Serine biosynthesis

Complete List of Enriched GO Terms among Upregulated Genes between NF stage 50 vs 62

p-value	term ID	t type	Description

1.28E-02	GO:0098655	BP	cation transmembrane transport
2.53E-03	GO:0055085	BP	transmembrane transport
1.44E-02	GO:0098660	BP	inorganic ion transmembrane transport
1.28E-02	GO:0098662	BP	inorganic cation transmembrane transport
1.80E-07	GO:0035556	BP	intracellular signal transduction
3.92E-05	GO:0007264	BP	small GTPase mediated signal transduction
2.74E-05	GO:0051179	BP	localization
2.50E-05	GO:0051234	BP	establishment of localization
2.48E-05	GO:0006810	BP	transport
4.78E-03	GO:0005509	MF	calcium ion binding
4.96E-02	GO:0005215	MF	transporter activity
4.93E-02	GO:0004683	MF	calmodulin-dependent protein kinase activity
1.00E-02	KEGG:04020	ke	Calcium signaling pathway
1.93E-03	KEGG:00534	ke	Glycosaminoglycan biosynthesis - heparan sulfate / heparin
3.97E-02	MI:xtr-miR-92b	mi	MI:xtr-miR-92b
2.59E-02	MI:xtr-miR-31	mi	MI:xtr-miR-31
8.86E-06	REAC:6158652	re	Neuronal System
1.95E-04	REAC:6158651	re	Transmission across Chemical Synapses
3.07E-02	REAC:6158654	re	Neurotransmitter Release Cycle
5.02E-03	REAC:6158653	re	Glutamate Neurotransmitter Release Cycle
1.71E-02	REAC:6159505	re	GABA synthesis, release, reuptake and degradation
5.85E-03	REAC:6159531	re	Norepinephrine Neurotransmitter Release Cycle
1.31E-02	REAC:6159630	re	Adherens junctions interactions
1.46E-03	REAC:6158907	re	Signaling by GPCR
9.76E-04	REAC:6159020	re	GPCR downstream signaling
2.51E-02	REAC:6158906	re	Gastrin-CREB signalling pathway via PKC and MAPK
8.85E-03	REAC:6159031	re	G alpha (q) signalling events
1.94E-02	REAC:6159033	re	Effects of PIP2 hydrolysis
1.92E-03	REAC:6158988	re	Integration of energy metabolism

Complete List of Enriched GO Terms among Downregulated Genes between NF stage 50 vs 62

p-value	term ID	t type	Description
3.42E-14	GO:0032502	BP	developmental process
1.23E-12	GO:0048856	BP	anatomical structure development
1.18E-03	GO:0009888	BP	tissue development
1.84E-03	GO:0060429	BP	epithelium development
2.02E-03	GO:0009653	BP	anatomical structure morphogenesis
2.17E-02	GO:0048646	BP	anatomical structure formation involved in morphogenesis
2.81E-14	GO:0044767	BP	single-organism developmental process
3.07E-08	GO:0060322	BP	head development
2.06E-05	GO:0048869	BP	cellular developmental process
2.16E-05	GO:0030154	BP	cell differentiation
5.65E-04	GO:0048863	BP	stem cell differentiation
1.43E-03	GO:0048468	BP	cell development
4.29E-02	GO:0048864	BP	stem cell development
1.53E-02	GO:0060284	BP	regulation of cell development
5.93E-16	GO:0007275	BP	multicellular organismal development
7.18E-12	GO:0048731	BP	system development
5.65E-12	GO:0007399	BP	nervous system development
1.73E-04	GO:0022008	BP	neurogenesis
1.69E-05	GO:0048699	BP	generation of neurons
5.81E-05	GO:0030182	BP	neuron differentiation
3.34E-12	GO:0048513	BP	organ development
8.84E-12	GO:0007417	BP	central nervous system development
4.55E-05	GO:0021510	BP	spinal cord development
1.26E-04	GO:0021515	BP	cell differentiation in spinal cord
1.26E-04	GO:0021517	BP	ventral spinal cord development
5.49E-04	GO:0021953	BP	central nervous system neuron differentiation
4.86E-03	GO:0021514	BP	ventral spinal cord interneuron differentiation
1.39E-02	GO:0007389	BP	pattern specification process
4.80E-02	GO:0003002	BP	regionalization
2.57E-08	GO:0009790	BP	embryo development
1.78E-06	GO:0009792	BP	embryo development ending in birth or egg hatching
1.78E-06	GO:0043009	BP	chordate embryonic development
1.22E-08	GO:0007420	BP	brain development
1.22E-03	GO:0030900	BP	forebrain development
4.26E-02	GO:0021536	BP	diencephalon development
2.29E-03	GO:0021915	BP	neural tube development
4.91E-02	GO:0033504	BP	floor plate development
2.98E-02	GO:0048762	BP	mesenchymal cell differentiation
1.01E-02	GO:0014033	BP	neural crest cell differentiation
1.65E-03	GO:0050793	BP	regulation of developmental process
1.32E-03	GO:2000026	BP	regulation of multicellular organismal development
1.61E-02	GO:0051960	BP	regulation of nervous system development
2.44E-02	GO:0051961	BP	negative regulation of nervous system development
8.32E-03	GO:0050767	BP	regulation of neurogenesis
2.44E-02	GO:0050768	BP	negative regulation of neurogenesis
8.67E-05	GO:0009987	BP	cellular process
1.03E-08	GO:0022613	BP	ribonucleoprotein complex biogenesis
6.47E-05	GO:0042254	BP	ribosome biogenesis
1.56E-13	GO:0008152	BP	metabolic process
9.63E-15	GO:0071704	BP	organic substance metabolic process

1.21E-13	GO:0043170	BP	macromolecule metabolic process
3.80E-30	GO:0010467	BP	gene expression
1.85E-23	GO:1901360	BP	organic cyclic compound metabolic process
3.81E-15	GO:0044238	BP	primary metabolic process
3.31E-25	GO:0009058	BP	biosynthetic process
3.76E-25	GO:1901576	BP	organic substance biosynthetic process
4.41E-09	GO:1901362	BP	organic cyclic compound biosynthetic process
2.20E-26	GO:0009059	BP	macromolecule biosynthetic process
6.51E-27	GO:0006807	BP	nitrogen compound metabolic process
7.78E-23	GO:0044237	BP	cellular metabolic process
8.03E-23	GO:0046483	BP	heterocycle metabolic process
3.00E-19	GO:0044260	BP	cellular macromolecule metabolic process
7.83E-23	GO:0034641	BP	cellular nitrogen compound metabolic process
9.15E-24	GO:0006725	BP	cellular aromatic compound metabolic process
1.50E-20	GO:0006139	BP	nucleobase-containing compound metabolic process
2.35E-23	GO:0090304	BP	nucleic acid metabolic process
4.88E-04	GO:0006259	BP	DNA metabolic process
4.82E-17	GO:0016070	BP	RNA metabolic process
1.22E-03	GO:0034660	BP	ncRNA metabolic process
2.29E-03	GO:0016072	BP	rRNA metabolic process
6.61E-03	GO:0006364	BP	rRNA processing
6.39E-05	GO:0006396	BP	RNA processing
1.26E-25	GO:0044249	BP	cellular biosynthetic process
7.30E-10	GO:0044271	BP	cellular nitrogen compound biosynthetic process
9.48E-10	GO:0018130	BP	heterocycle biosynthetic process
1.21E-09	GO:0019438	BP	aromatic compound biosynthetic process
5.37E-08	GO:0034654	BP	nucleobase-containing compound biosynthetic process
1.45E-08	GO:0032774	BP	RNA biosynthetic process
6.38E-08	GO:0097659	BP	nucleic acid-templated transcription
2.13E-26	GO:0034645	BP	cellular macromolecule biosynthetic process
4.82E-23	GO:0006412	BP	translation
3.33E-09	GO:0006260	BP	DNA replication
1.62E-05	GO:0006261	BP	DNA-dependent DNA replication
6.38E-08	GO:0006351	BP	transcription, DNA-templated
1.57E-03	GO:0006413	BP	translational initiation
8.42E-03	GO:0006950	BP	response to stress
7.42E-06	GO:0033554	BP	cellular response to stress
1.08E-05	GO:0006974	BP	cellular response to DNA damage stimulus
1.02E-04	GO:0006281	BP	DNA repair
4.45E-02	GO:0048519	BP	negative regulation of biological process
4.17E-03	GO:0048523	BP	negative regulation of cellular process
9.28E-11	GO:0019222	BP	regulation of metabolic process
4.54E-14	GO:0060255	BP	regulation of macromolecule metabolic process
1.58E-03	GO:0010604	BP	positive regulation of macromolecule metabolic process
3.41E-14	GO:0010468	BP	regulation of gene expression
4.08E-03	GO:0010608	BP	posttranscriptional regulation of gene expression
2.33E-03	GO:0010628	BP	positive regulation of gene expression
2.51E-14	GO:0009889	BP	regulation of biosynthetic process
1.05E-14	GO:0010556	BP	regulation of macromolecule biosynthetic process
9.81E-04	GO:0009891	BP	positive regulation of biosynthetic process
9.07E-04	GO:0010557	BP	positive regulation of macromolecule biosynthetic process
1.05E-03	GO:0009890	BP	negative regulation of biosynthetic process
1.10E-14	GO:0080090	BP	regulation of primary metabolic process
2.71E-12	GO:0051171	BP	regulation of nitrogen compound metabolic process
4.61E-14	GO:0031323	BP	regulation of cellular metabolic process
1.84E-14	GO:0031326	BP	regulation of cellular biosynthetic process
8.48E-15	GO:2000112	BP	regulation of cellular macromolecule biosynthetic process
1.45E-03	GO:0006417	BP	regulation of translation
9.21E-07	GO:0006446	BP	regulation of translational initiation
8.11E-04	GO:0031327	BP	negative regulation of cellular biosynthetic process
5.20E-12	GO:0019219	BP	regulation of nucleobase-containing compound metabolic process
1.94E-11	GO:0051252	BP	regulation of RNA metabolic process
1.40E-10	GO:2001141	BP	regulation of RNA biosynthetic process
1.40E-10	GO:1903506	BP	regulation of nucleic acid-templated transcription
1.40E-10	GO:0006355	BP	regulation of transcription, DNA-templated
3.15E-05	GO:0051173	BP	positive regulation of nitrogen compound metabolic process
1.61E-03	GO:0048522	BP	positive regulation of cellular process
1.19E-03	GO:0051172	BP	negative regulation of nitrogen compound metabolic process
1.19E-03	GO:0045934	BP	negative regulation of nucleobase-containing compound metabolic process
2.04E-04	GO:0010558	BP	negative regulation of macromolecule biosynthetic process
2.04E-04	GO:2000113	BP	negative regulation of cellular macromolecule biosynthetic process
4.48E-03	GO:0031325	BP	positive regulation of cellular metabolic process
1.02E-04	GO:0045935	BP	positive regulation of nucleobase-containing compound metabolic process
1.69E-04	GO:0051254	BP	positive regulation of RNA metabolic process
9.81E-04	GO:0031328	BP	positive regulation of cellular biosynthetic process
1.35E-03	GO:1902680	BP	positive regulation of RNA biosynthetic process
1.35E-03	GO:1903508	BP	positive regulation of nucleic acid-templated transcription
1.35E-03	GO:0045893	BP	positive regulation of transcription, DNA-templated
4.18E-04	GO:0051253	BP	negative regulation of RNA metabolic process
4.18E-04	GO:1902679	BP	negative regulation of RNA biosynthetic process
4.18E-04	GO:1903507	BP	negative regulation of nucleic acid-templated transcription
3.77E-06	GO:0006082	BP	organic acid metabolic process
3.26E-06	GO:0043436	BP	oxoacid metabolic process
9.78E-07	GO:0019752	BP	carboxylic acid metabolic process

6.82E-03	GO:0010629	BP	negative regulation of gene expression
4.18E-04	GO:0045892	BP	negative regulation of transcription, DNA-templated
3.62E-10	GO:0006520	BP	cellular amino acid metabolic process
1.49E-05	GO:1901605	BP	alpha-amino acid metabolic process
2.31E-04	GO:0009069	BP	serine family amino acid metabolic process
1.78E-02	GO:0009071	BP	serine family amino acid catabolic process
5.83E-03	GO:0006544	BP	glycine metabolic process
1.78E-02	GO:0006546	BP	glycine catabolic process
4.29E-02	GO:1901607	BP	alpha-amino acid biosynthetic process
4.37E-02	GO:0006397	BP	mRNA processing
4.46E-02	GO:0006760	BP	folic acid-containing compound metabolic process
1.15E-04	GO:0001731	BP	formation of translation preinitiation complex
4.08E-02	GO:0006357	BP	regulation of transcription from RNA polymerase II promoter
2.26E-02	GO:0045944	BP	positive regulation of transcription from RNA polymerase II promoter
1.05E-04	GO:0000122	BP	negative regulation of transcription from RNA polymerase II promoter
2.34E-09	GO:0051301	BP	cell division
6.62E-03	GO:0048285	BP	organelle fission
2.00E-03	GO:0000280	BP	nuclear division
4.28E-03	GO:1902589	BP	single-organism organelle organization
5.07E-14	GO:0007049	BP	cell cycle
4.83E-09	GO:0022402	BP	cell cycle process
8.07E-07	GO:0000278	BP	mitotic cell cycle
4.60E-05	GO:1903047	BP	mitotic cell cycle process
5.65E-04	GO:0007067	BP	mitotic nuclear division
8.20E-10	GO:0051726	BP	regulation of cell cycle
4.25E-03	GO:0010564	BP	regulation of cell cycle process
1.31E-03	GO:0071840	BP	cellular component organization or biogenesis
4.24E-05	GO:0005623	CC	cell
4.24E-05	GO:0044464	CC	cell part
1.94E-26	GO:0005622	CC	intracellular
1.46E-33	GO:0044424	CC	intracellular part
1.24E-04	GO:0005737	CC	cytoplasm
1.83E-10	GO:0032991	CC	macromolecular complex
9.83E-26	GO:0030529	CC	ribonucleoprotein complex
4.64E-27	GO:0043226	CC	organelle
1.45E-15	GO:0043228	CC	non-membrane-bounded organelle
2.62E-11	GO:0043227	CC	membrane-bounded organelle
1.30E-27	GO:0043229	CC	intracellular organelle
1.45E-15	GO:0043232	CC	intracellular non-membrane-bounded organelle
7.34E-04	GO:0005856	CC	cytoskeleton
3.29E-11	GO:0043231	CC	intracellular membrane-bounded organelle
3.34E-23	GO:0005634	CC	nucleus
1.15E-04	GO:0070993	CC	translation preinitiation complex
1.15E-04	GO:0016282	CC	eukaryotic 43S preinitiation complex
1.15E-04	GO:0033290	CC	eukaryotic 48S preinitiation complex
1.78E-02	GO:0044430	CC	cytoskeletal part
8.70E-03	GO:0044428	CC	nuclear part
8.61E-17	GO:0005840	CC	ribosome
3.41E-04	GO:0005852	CC	eukaryotic translation initiation factor 3 complex
2.29E-03	GO:0098687	CC	chromosomal region
9.59E-04	GO:0000775	CC	chromosome, centromeric region
2.67E-05	GO:0000793	CC	condensed chromosome
1.70E-02	GO:0000779	CC	condensed chromosome, centromeric region
1.70E-02	GO:0000777	CC	condensed chromosome kinetochore
4.91E-02	GO:0016742	MF	hydroxymethyl-, formyl- and related transferase activity
4.22E-02	GO:0008094	MF	DNA-dependent ATPase activity
1.16E-07	GO:0001071	MF	nucleic acid binding transcription factor activity
1.16E-07	GO:0003700	MF	sequence-specific DNA binding transcription factor activity
1.42E-02	GO:0016817	MF	hydrolase activity, acting on acid anhydrides
9.94E-03	GO:0016818	MF	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides
8.28E-03	GO:0016462	MF	pyrophosphatase activity
1.18E-02	GO:0017111	MF	nucleoside-triphosphatase activity
3.98E-05	GO:0004386	MF	helicase activity
1.52E-02	GO:0070035	MF	purine NTP-dependent helicase activity
2.67E-03	GO:0003678	MF	DNA helicase activity
1.52E-02	GO:0008026	MF	ATP-dependent helicase activity
3.27E-03	GO:0030554	MF	adenyl nucleotide binding
2.12E-03	GO:0032559	MF	adenyl ribonucleotide binding
2.55E-03	GO:0005524	MF	ATP binding
6.59E-10	GO:0005198	MF	structural molecule activity
6.72E-15	GO:0003735	MF	structural constituent of ribosome
1.36E-06	GO:0005488	MF	binding
5.51E-19	GO:1901363	MF	heterocyclic compound binding
1.19E-18	GO:0097159	MF	organic cyclic compound binding
1.07E-04	GO:1901265	MF	nucleoside phosphate binding
1.45E-20	GO:0003676	MF	nucleic acid binding
2.50E-11	GO:0003677	MF	DNA binding
6.69E-07	GO:0043565	MF	sequence-specific DNA binding
3.45E-10	GO:0003723	MF	RNA binding
1.60E-04	GO:0008135	MF	translation factor activity, nucleic acid binding
8.32E-03	GO:0003743	MF	translation initiation factor activity
2.05E-02	GO:0097367	MF	carbohydrate derivative binding
7.93E-05	GO:0036094	MF	small molecule binding
1.07E-04	GO:0000166	MF	nucleotide binding

1.21E-02	HP:0100242	hp	Sarcoma
3.95E-02	HP:0006498	hp	Aplasia/Hypoplasia of the patella
1.40E-02	HP:0006443	hp	Patellar aplasia
5.48E-04	HP:0000340	hp	Sloping forehead
4.92E-02	HP:0001199	hp	Triphalangeal thumb
2.67E-02	HP:0001551	hp	Abnormality of the umbilicus
1.90E-02	HP:0001537	hp	Umbilical hernia
3.26E-03	HP:0002664	hp	Neoplasm
1.07E-03	HP:0011793	hp	Neoplasm by anatomical site
9.78E-05	KEGG:04110	ke	Cell cycle
7.82E-03	KEGG:00240	ke	Pyrimidine metabolism
2.02E-03	KEGG:03013	ke	RNA transport
3.43E-02	KEGG:03008	ke	Ribosome biogenesis in eukaryotes
4.07E-02	KEGG:00260	ke	Glycine, serine and threonine metabolism
3.27E-12	KEGG:03010	ke	Ribosome
2.30E-02	MI:xtr-miR-124	mi	MI:xtr-miR-124
4.95E-02	MI:xtr-miR-26	mi	MI:xtr-miR-26
1.11E-03	REAC:6158576	re	DNA replication initiation
7.94E-05	REAC:6158579	re	Activation of the pre-replicative complex
1.49E-12	REAC:6158570	re	Cell Cycle
3.03E-11	REAC:6158569	re	Cell Cycle, Mitotic
3.27E-02	REAC:6159066	re	M Phase
8.02E-11	REAC:6159880	re	Mitotic Prometaphase
2.69E-09	REAC:6159879	re	Resolution of Sister Chromatid Cohesion
5.20E-06	REAC:6159133	re	Mitotic Metaphase and Anaphase
1.32E-05	REAC:6159248	re	Mitotic Anaphase
1.06E-04	REAC:6159247	re	Separation of Sister Chromatids
1.55E-05	REAC:6158581	re	Mitotic G1-G1/S phases
5.34E-06	REAC:6159801	re	G0 and Early G1
3.19E-03	REAC:6158599	re	Cell Cycle Checkpoints
6.17E-04	REAC:6158607	re	G2/M Checkpoints
3.77E-03	REAC:6158606	re	Activation of ATR in response to replication stress
4.66E-02	REAC:6159718	re	G1/S-Specific Transcription
7.44E-03	REAC:6159786	re	Kinesins
2.74E-02	REAC:6158571	re	DNA Replication
5.70E-08	REAC:6158724	re	Gene Expression
9.65E-17	REAC:6159755	re	Nonsense-Mediated Decay (NMD)
3.75E-19	REAC:6159754	re	Nonsense Mediated Decay (NMD) independent of the Exon Junction Complex (EJC)
9.65E-17	REAC:6159756	re	Nonsense Mediated Decay (NMD) enhanced by the Exon Junction Complex (EJC)
9.81E-03	REAC:6158739	re	Metabolism of proteins
1.83E-21	REAC:6158738	re	Translation
2.46E-15	REAC:6159891	re	SRP-dependent cotranslational protein targeting to membrane
1.65E-24	REAC:6158737	re	Eukaryotic Translation Initiation
1.43E-24	REAC:6159071	re	L13a-mediated translational silencing of Ceruloplasmin expression
1.65E-24	REAC:6158736	re	Cap-dependent Translation Initiation
8.36E-09	REAC:6158741	re	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S
8.36E-09	REAC:6159070	re	Translation initiation complex formation
5.28E-09	REAC:6158742	re	Formation of the ternary complex, and subsequently, the 43S complex
6.09E-25	REAC:6158744	re	Formation of a pool of free 40S subunits
1.43E-24	REAC:6158735	re	GTP hydrolysis and joining of the 60S ribosomal subunit
3.47E-08	REAC:6158740	re	Ribosomal scanning and start codon recognition
6.52E-20	REAC:6159062	re	Eukaryotic Translation Termination
4.70E-23	REAC:6159074	re	Eukaryotic Translation Elongation
5.99E-22	REAC:6159073	re	Peptide chain elongation
9.63E-03	REAC:6158588	re	DNA strand elongation
3.99E-03	REAC:6159005	re	E2F mediated regulation of DNA replication
1.11E-03	REAC:6159280	re	Telomere C-strand synthesis initiation

Complete List of Enriched GO Terms among Upregulated Genes between NF stage 50 vs 66

p-value	term ID	t type	Description
2.52E-07	GO:0035556	BP	intracellular signal transduction
3.90E-04	GO:0007264	BP	small GTPase mediated signal transduction
1.03E-02	GO:0051056	BP	regulation of small GTPase mediated signal transduction
2.88E-02	GO:0051234	BP	establishment of localization
2.82E-02	GO:0006810	BP	transport
1.18E-02	GO:1902578	BP	single-organism localization
2.17E-03	GO:0044765	BP	single-organism transport
1.79E-04	GO:0006811	BP	ion transport
9.37E-04	GO:0006812	BP	cation transport
2.69E-04	GO:0030001	BP	metal ion transport
1.78E-04	GO:0055085	BP	transmembrane transport
2.60E-03	GO:0034220	BP	ion transmembrane transport
3.72E-05	GO:0098655	BP	cation transmembrane transport
4.41E-05	GO:0098660	BP	inorganic ion transmembrane transport
3.72E-05	GO:0098662	BP	inorganic cation transmembrane transport
1.55E-02	GO:0006816	BP	calcium ion transport
2.52E-02	GO:0070588	BP	calcium ion transmembrane transport
3.36E-03	GO:0005581	CC	collagen trimer
2.69E-02	GO:0005509	MF	calcium ion binding
4.61E-03	GO:0008289	MF	lipid binding
1.76E-02	GO:0005543	MF	phospholipid binding
2.28E-03	GO:0005215	MF	transporter activity

5.95E-04	GO:0022892	MF	substrate-specific transporter activity
4.84E-04	GO:0022857	MF	transmembrane transporter activity
2.19E-04	GO:0022803	MF	passive transmembrane transporter activity
2.19E-04	GO:0015267	MF	channel activity
9.99E-04	GO:0022836	MF	gated channel activity
2.99E-02	GO:0022832	MF	voltage-gated channel activity
5.28E-05	GO:0022891	MF	substrate-specific transmembrane transporter activity
4.29E-04	GO:0022838	MF	substrate-specific channel activity
4.13E-04	GO:0015075	MF	ion transmembrane transporter activity
7.09E-03	GO:0008324	MF	cation transmembrane transporter activity
3.27E-04	GO:0022890	MF	inorganic cation transmembrane transporter activity
1.83E-04	GO:0046873	MF	metal ion transmembrane transporter activity
4.29E-04	GO:0005216	MF	ion channel activity
6.55E-04	GO:0005261	MF	cation channel activity
2.99E-02	GO:0005244	MF	voltage-gated ion channel activity
1.22E-02	GO:0015085	MF	calcium ion transmembrane transporter activity
2.82E-03	GO:0005515	MF	protein binding
3.47E-02	GO:0005085	MF	guanyl-nucleotide exchange factor activity
2.55E-02	KEGG:00511	ke	Other glycan degradation
1.56E-02	KEGG:04070	ke	Phosphatidylinositol signaling system
4.40E-02	KEGG:04261	ke	Adrenergic signaling in cardiomyocytes
3.93E-03	KEGG:04020	ke	Calcium signaling pathway
7.24E-03	MI:xtr-miR-31	mi	MI:xtr-miR-31
7.84E-03	MI:xtr-miR-130c	mi	MI:xtr-miR-130c
3.06E-02	MI:xtr-miR-130b	mi	MI:xtr-miR-130b
3.98E-04	MI:xtr-miR-130a	mi	MI:xtr-miR-130a
1.47E-05	REAC:6158907	re	Signaling by GPCR
1.48E-05	REAC:6159020	re	GPCR downstream signaling
2.75E-02	REAC:6158983	re	PLCG1 events in ERBB2 signaling
1.91E-02	REAC:6158982	re	EGFR interacts with phospholipase C-gamma
1.91E-02	REAC:6158980	re	PLC-gamma1 signalling
8.72E-03	REAC:6158979	re	DAG and IP3 signaling
3.59E-03	REAC:6159033	re	Effects of PIP2 hydrolysis
9.33E-04	REAC:6158988	re	Integration of energy metabolism
2.86E-02	REAC:6159140	re	Regulation of insulin secretion
3.66E-09	REAC:6158652	re	Neuronal System
5.18E-06	REAC:6158651	re	Transmission across Chemical Synapses
4.58E-02	REAC:6158654	re	Neurotransmitter Release Cycle
8.17E-03	REAC:6159531	re	Norepinephrine Neurotransmitter Release Cycle

Complete List of Enriched GO Terms among Downregulated Genes between NF stage 50 vs 66

p-value	term ID	t type	Description
7.25E-05	GO:0048285	BP	organelle fission
7.26E-05	GO:0000280	BP	nuclear division
9.65E-05	GO:1902589	BP	single-organism organelle organization
1.32E-13	GO:0007049	BP	cell cycle
2.61E-09	GO:0022402	BP	cell cycle process
3.50E-08	GO:0000278	BP	mitotic cell cycle
1.96E-06	GO:1903047	BP	mitotic cell cycle process
1.27E-05	GO:0007067	BP	mitotic nuclear division
1.32E-07	GO:0051726	BP	regulation of cell cycle
1.70E-03	GO:0006928	BP	movement of cell or subcellular component
4.72E-02	GO:0016055	BP	Wnt signaling pathway
3.25E-02	GO:0007017	BP	microtubule-based process
4.86E-04	GO:0009987	BP	cellular process
1.52E-06	GO:0022613	BP	ribonucleoprotein complex biogenesis
3.82E-06	GO:0042254	BP	ribosome biogenesis
5.66E-06	GO:0051239	BP	regulation of multicellular organismal process
1.16E-11	GO:0008152	BP	metabolic process
8.40E-15	GO:0071704	BP	organic substance metabolic process
1.92E-13	GO:0043170	BP	macromolecule metabolic process
1.20E-28	GO:0010467	BP	gene expression
2.61E-22	GO:1901360	BP	organic cyclic compound metabolic process
4.80E-16	GO:0044238	BP	primary metabolic process
1.72E-26	GO:0009058	BP	biosynthetic process
1.33E-26	GO:1901576	BP	organic substance biosynthetic process
1.61E-08	GO:1901362	BP	organic cyclic compound biosynthetic process
1.30E-25	GO:0009059	BP	macromolecule biosynthetic process
3.05E-23	GO:0006807	BP	nitrogen compound metabolic process
5.83E-22	GO:0044237	BP	cellular metabolic process
6.06E-21	GO:0046483	BP	heterocycle metabolic process
2.68E-18	GO:0044260	BP	cellular macromolecule metabolic process
6.66E-21	GO:0034641	BP	cellular nitrogen compound metabolic process
2.13E-22	GO:0006725	BP	cellular aromatic compound metabolic process
1.23E-20	GO:0006139	BP	nucleobase-containing compound metabolic process
1.71E-21	GO:0090304	BP	nucleic acid metabolic process
1.30E-02	GO:0006259	BP	DNA metabolic process
7.50E-17	GO:0016070	BP	RNA metabolic process
8.68E-07	GO:0034660	BP	ncRNA metabolic process
1.13E-03	GO:0006399	BP	tRNA metabolic process
4.24E-03	GO:0016072	BP	rRNA metabolic process
6.27E-03	GO:0006396	BP	RNA processing

2.05E-02	GO:0034470	BP	ncRNA processing
1.15E-02	GO:0006364	BP	rRNA processing
3.48E-27	GO:0044249	BP	cellular biosynthetic process
4.94E-09	GO:0044271	BP	cellular nitrogen compound biosynthetic process
5.98E-09	GO:0018130	BP	heterocycle biosynthetic process
7.37E-09	GO:0019438	BP	aromatic compound biosynthetic process
2.34E-08	GO:0034654	BP	nucleobase-containing compound biosynthetic process
3.73E-08	GO:0032774	BP	RNA biosynthetic process
1.50E-07	GO:0097659	BP	nucleic acid-templated transcription
5.20E-26	GO:0034645	BP	cellular macromolecule biosynthetic process
1.53E-24	GO:0006412	BP	translation
6.16E-04	GO:0006414	BP	translational elongation
2.21E-08	GO:0006260	BP	DNA replication
3.03E-05	GO:0006261	BP	DNA-dependent DNA replication
1.50E-07	GO:0006351	BP	transcription, DNA-templated
2.15E-02	GO:0006366	BP	transcription from RNA polymerase II promoter
6.26E-04	GO:0006413	BP	translational initiation
1.17E-04	GO:0032501	BP	multicellular organismal process
1.21E-04	GO:0044707	BP	single-multicellular organism process
4.33E-23	GO:0032502	BP	developmental process
9.88E-22	GO:0048856	BP	anatomical structure development
1.41E-09	GO:0009888	BP	tissue development
1.52E-08	GO:0060429	BP	epithelium development
1.39E-09	GO:0009653	BP	anatomical structure morphogenesis
5.95E-07	GO:0048646	BP	anatomical structure formation involved in morphogenesis
1.84E-07	GO:0071840	BP	cellular component organization or biogenesis
1.04E-04	GO:0016043	BP	cellular component organization
2.26E-03	GO:0044281	BP	small molecule metabolic process
9.37E-07	GO:0006082	BP	organic acid metabolic process
8.01E-07	GO:0043436	BP	oxoacid metabolic process
2.19E-07	GO:0019752	BP	carboxylic acid metabolic process
2.53E-02	GO:0016053	BP	organic acid biosynthetic process
2.53E-02	GO:0046394	BP	carboxylic acid biosynthetic process
8.57E-03	GO:0006950	BP	response to stress
3.96E-04	GO:0033554	BP	cellular response to stress
5.48E-04	GO:0006974	BP	cellular response to DNA damage stimulus
3.93E-03	GO:0006281	BP	DNA repair
5.90E-03	GO:0048519	BP	negative regulation of biological process
1.62E-04	GO:0048523	BP	negative regulation of cellular process
2.35E-06	GO:0051241	BP	negative regulation of multicellular organismal process
3.32E-23	GO:0044767	BP	single-organism developmental process
1.09E-09	GO:0048869	BP	cellular developmental process
5.29E-03	GO:0032989	BP	cellular component morphogenesis
1.62E-03	GO:0000902	BP	cell morphogenesis
2.62E-09	GO:0030154	BP	cell differentiation
3.22E-04	GO:0048863	BP	stem cell differentiation
3.61E-03	GO:0045165	BP	cell fate commitment
5.51E-06	GO:0048468	BP	cell development
2.16E-02	GO:0000904	BP	cell morphogenesis involved in differentiation
3.58E-10	GO:0060322	BP	head development
2.24E-23	GO:0007275	BP	multicellular organismal development
7.03E-20	GO:0048731	BP	system development
2.03E-04	GO:0072359	BP	circulatory system development
4.69E-15	GO:0007399	BP	nervous system development
3.85E-07	GO:0022008	BP	neurogenesis
2.59E-07	GO:0048699	BP	generation of neurons
2.61E-06	GO:0030182	BP	neuron differentiation
4.72E-19	GO:0048513	BP	organ development
5.34E-05	GO:0007423	BP	sensory organ development
3.41E-04	GO:0001654	BP	eye development
3.62E-03	GO:0043010	BP	camera-type eye development
1.12E-02	GO:0060485	BP	mesenchyme development
2.03E-04	GO:0072358	BP	cardiovascular system development
1.30E-02	GO:0007422	BP	peripheral nervous system development
4.09E-14	GO:0007417	BP	central nervous system development
7.97E-05	GO:0021510	BP	spinal cord development
2.07E-04	GO:0021515	BP	cell differentiation in spinal cord
2.07E-04	GO:0021517	BP	ventral spinal cord development
1.04E-03	GO:0021953	BP	central nervous system neuron differentiation
6.18E-03	GO:0021514	BP	ventral spinal cord interneuron differentiation
2.69E-05	GO:0035295	BP	tube development
3.34E-02	GO:0035239	BP	tube morphogenesis
1.28E-03	GO:0048729	BP	tissue morphogenesis
3.65E-03	GO:0002009	BP	morphogenesis of an epithelium
1.15E-04	GO:0007389	BP	pattern specification process
8.23E-05	GO:0003002	BP	regionalization
2.67E-03	GO:0009952	BP	anterior/posterior pattern specification
5.43E-14	GO:0009790	BP	embryo development
1.50E-10	GO:0009792	BP	embryo development ending in birth or egg hatching
1.50E-10	GO:0043009	BP	chordate embryonic development
2.25E-02	GO:0001840	BP	neural plate development
4.01E-03	GO:0048598	BP	embryonic morphogenesis
1.74E-02	GO:0031016	BP	pancreas development
5.70E-04	GO:0048568	BP	embryonic organ development

9.94E-03	GO:0009887	BP	organ morphogenesis
1.50E-02	GO:0048562	BP	embryonic organ morphogenesis
6.45E-10	GO:0007420	BP	brain development
5.90E-06	GO:0030900	BP	forebrain development
8.02E-04	GO:0021536	BP	diencephalon development
6.18E-04	GO:0021915	BP	neural tube development
1.56E-09	GO:0019222	BP	regulation of metabolic process
4.94E-12	GO:0060255	BP	regulation of macromolecule metabolic process
1.69E-03	GO:0010604	BP	positive regulation of macromolecule metabolic process
4.66E-13	GO:0010468	BP	regulation of gene expression
4.86E-04	GO:0010628	BP	positive regulation of gene expression
3.43E-13	GO:0009889	BP	regulation of biosynthetic process
2.94E-13	GO:0010556	BP	regulation of macromolecule biosynthetic process
2.89E-03	GO:0009891	BP	positive regulation of biosynthetic process
2.59E-03	GO:0010557	BP	positive regulation of macromolecule biosynthetic process
1.76E-04	GO:0009890	BP	negative regulation of biosynthetic process
1.31E-12	GO:0080090	BP	regulation of primary metabolic process
2.44E-11	GO:0051171	BP	regulation of nitrogen compound metabolic process
2.62E-12	GO:0031323	BP	regulation of cellular metabolic process
2.52E-13	GO:0031326	BP	regulation of cellular biosynthetic process
2.39E-13	GO:2000112	BP	regulation of cellular macromolecule biosynthetic process
1.32E-04	GO:0031327	BP	negative regulation of cellular biosynthetic process
4.48E-11	GO:0019219	BP	regulation of nucleobase-containing compound metabolic process
6.82E-11	GO:0051252	BP	regulation of RNA metabolic process
2.14E-10	GO:2001141	BP	regulation of RNA biosynthetic process
2.14E-10	GO:1903506	BP	regulation of nucleic acid-templated transcription
2.14E-10	GO:0006355	BP	regulation of transcription, DNA-templated
5.50E-04	GO:0006357	BP	regulation of transcription from RNA polymerase II promoter
4.43E-04	GO:0051173	BP	positive regulation of nitrogen compound metabolic process
1.05E-05	GO:0048522	BP	positive regulation of cellular process
1.79E-04	GO:0051172	BP	negative regulation of nitrogen compound metabolic process
1.79E-04	GO:0045934	BP	negative regulation of nucleobase-containing compound metabolic process
2.81E-05	GO:0010558	BP	negative regulation of macromolecule biosynthetic process
2.81E-05	GO:2000113	BP	negative regulation of cellular macromolecule biosynthetic process
1.76E-03	GO:0031325	BP	positive regulation of cellular metabolic process
1.28E-03	GO:0045935	BP	positive regulation of nucleobase-containing compound metabolic process
5.26E-04	GO:0051254	BP	positive regulation of RNA metabolic process
2.89E-03	GO:0031328	BP	positive regulation of cellular biosynthetic process
3.66E-03	GO:1902680	BP	positive regulation of RNA biosynthetic process
3.66E-03	GO:1903508	BP	positive regulation of nucleic acid-templated transcription
3.66E-03	GO:0045893	BP	positive regulation of transcription, DNA-templated
7.78E-03	GO:0045944	BP	positive regulation of transcription from RNA polymerase II promoter
3.49E-10	GO:0050793	BP	regulation of developmental process
1.75E-10	GO:2000026	BP	regulation of multicellular organismal development
1.12E-03	GO:0051960	BP	regulation of nervous system development
9.31E-03	GO:0048634	BP	regulation of muscle organ development
3.10E-06	GO:0045595	BP	regulation of cell differentiation
3.97E-05	GO:0060284	BP	regulation of cell development
5.04E-04	GO:0050767	BP	regulation of neurogenesis
3.54E-06	GO:0051093	BP	negative regulation of developmental process
3.43E-02	GO:0051961	BP	negative regulation of nervous system development
5.74E-04	GO:0045596	BP	negative regulation of cell differentiation
2.19E-02	GO:0010721	BP	negative regulation of cell development
3.43E-02	GO:0050768	BP	negative regulation of neurogenesis
4.69E-05	GO:0051253	BP	negative regulation of RNA metabolic process
4.69E-05	GO:1902679	BP	negative regulation of RNA biosynthetic process
4.69E-05	GO:1903507	BP	negative regulation of nucleic acid-templated transcription
5.18E-03	GO:0010629	BP	negative regulation of gene expression
4.69E-05	GO:0045892	BP	negative regulation of transcription, DNA-templated
3.27E-06	GO:0000122	BP	negative regulation of transcription from RNA polymerase II promoter
3.94E-09	GO:0006520	BP	cellular amino acid metabolic process
8.78E-04	GO:1901605	BP	alpha-amino acid metabolic process
3.78E-02	GO:0009069	BP	serine family amino acid metabolic process
3.29E-04	GO:0043038	BP	amino acid activation
3.29E-04	GO:0043039	BP	tRNA aminoacylation
2.11E-04	GO:0006418	BP	tRNA aminoacylation for protein translation
3.78E-02	GO:0006446	BP	regulation of translational initiation
1.76E-02	GO:0032392	BP	DNA geometric change
1.76E-02	GO:0032508	BP	DNA duplex unwinding
1.55E-10	GO:0051301	BP	cell division
4.12E-02	GO:0040011	BP	locomotion
2.81E-02	GO:0005575	CC	cellular_component
2.27E-02	GO:0019012	CC	virion
5.25E-09	GO:0032991	CC	macromolecular complex
1.87E-08	GO:0005623	CC	cell
5.06E-36	GO:0043226	CC	organelle
5.62E-13	GO:0043228	CC	non-membrane-bounded organelle
6.12E-20	GO:0043227	CC	membrane-bounded organelle
1.87E-08	GO:0044464	CC	cell part
1.27E-34	GO:0005622	CC	intracellular
1.61E-43	GO:0044424	CC	intracellular part
1.10E-36	GO:0043229	CC	intracellular organelle
5.62E-13	GO:0043232	CC	intracellular non-membrane-bounded organelle
2.38E-03	GO:0005856	CC	cytoskeleton

4.04E-02	GO:0015630	CC	microtubule cytoskeleton
1.50E-19	GO:0043231	CC	intracellular membrane-bounded organelle
4.78E-28	GO:0005634	CC	nucleus
2.23E-09	GO:0005737	CC	cytoplasm
8.02E-21	GO:0030529	CC	ribonucleoprotein complex
7.98E-03	GO:0044422	CC	organelle part
4.16E-03	GO:0044446	CC	intracellular organelle part
2.27E-02	GO:0044423	CC	virion part
2.27E-02	GO:0019028	CC	viral capsid
2.27E-02	GO:0019013	CC	viral nucleocapsid
5.17E-14	GO:0005840	CC	ribosome
4.24E-03	GO:0098687	CC	chromosomal region
1.95E-04	GO:0000775	CC	chromosome, centromeric region
4.80E-03	GO:0000793	CC	condensed chromosome
2.27E-02	GO:0000779	CC	condensed chromosome, centromeric region
2.27E-02	GO:0000777	CC	condensed chromosome kinetochore
3.93E-02	GO:0016818	MF	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides
3.31E-02	GO:0016462	MF	pyrophosphatase activity
4.43E-02	GO:0017111	MF	nucleoside-triphosphatase activity
1.45E-02	GO:0016887	MF	ATPase activity
1.29E-02	GO:0042623	MF	ATPase activity, coupled
6.03E-05	GO:0004386	MF	helicase activity
1.27E-02	GO:0070035	MF	purine NTP-dependent helicase activity
1.27E-02	GO:0008026	MF	ATP-dependent helicase activity
6.16E-04	GO:0003678	MF	DNA helicase activity
2.32E-10	GO:0005198	MF	structural molecule activity
5.42E-13	GO:0003735	MF	structural constituent of ribosome
1.42E-09	GO:0001071	MF	nucleic acid binding transcription factor activity
1.42E-09	GO:0003700	MF	sequence-specific DNA binding transcription factor activity
5.04E-04	GO:0016875	MF	ligase activity, forming carbon-oxygen bonds
5.04E-04	GO:0016876	MF	ligase activity, forming aminoacyl-tRNA and related compounds
5.04E-04	GO:0004812	MF	aminoacyl-tRNA ligase activity
2.82E-02	GO:0030554	MF	adenyl nucleotide binding
3.87E-02	GO:0032559	MF	adenyl ribonucleotide binding
9.03E-07	GO:0005488	MF	binding
5.61E-18	GO:1901363	MF	heterocyclic compound binding
1.22E-17	GO:0097159	MF	organic cyclic compound binding
3.62E-05	GO:1901265	MF	nucleoside phosphate binding
1.04E-21	GO:0003676	MF	nucleic acid binding
3.17E-14	GO:0003677	MF	DNA binding
6.69E-09	GO:0043565	MF	sequence-specific DNA binding
2.81E-12	GO:0003723	MF	RNA binding
2.72E-06	GO:0008135	MF	translation factor activity, nucleic acid binding
5.04E-04	GO:0003743	MF	translation initiation factor activity
3.43E-02	GO:0003746	MF	translation elongation factor activity
1.42E-02	GO:0044877	MF	macromolecular complex binding
3.31E-05	GO:0036094	MF	small molecule binding
3.62E-05	GO:0000166	MF	nucleotide binding
3.50E-02	HP:0045005	hp	Abnormality of neural tube closure
3.50E-02	HP:0010301	hp	Spinal dysraphism
2.76E-04	HP:0000340	hp	Sloping forehead
7.54E-03	HP:0008056	hp	Aplasia/Hypoplasia affecting the eye
8.37E-03	HP:0006498	hp	Aplasia/Hypoplasia of the patella
2.54E-03	HP:0006443	hp	Patellar aplasia
2.53E-02	HP:0002664	hp	Neoplasm
8.77E-03	HP:0011793	hp	Neoplasm by anatomical site
1.88E-02	HP:0100737	hp	Abnormality of the hard palate
4.13E-02	HP:0000202	hp	Oral cleft
3.40E-02	HP:0000175	hp	Cleft palate
4.29E-02	HP:0001511	hp	Intrauterine growth retardation
2.93E-05	KEGG:03008	ke	Ribosome biogenesis in eukaryotes
4.82E-02	KEGG:03030	ke	DNA replication
2.43E-02	KEGG:04330	ke	Notch signaling pathway
3.71E-03	KEGG:03013	ke	RNA transport
1.90E-05	KEGG:04110	ke	Cell cycle
2.02E-03	KEGG:00970	ke	Aminoacyl-tRNA biosynthesis
1.27E-09	KEGG:03010	ke	Ribosome
1.38E-03	MI:xtr-miR-124	mi	MI:xtr-miR-124
8.55E-08	REAC:6158724	re	Gene Expression
1.91E-03	REAC:6158725	re	Processing of Capped Intron-Containing Pre-mRNA
1.35E-02	REAC:6158727	re	mRNA Splicing
1.35E-02	REAC:6158726	re	mRNA Splicing - Major Pathway
6.96E-16	REAC:6159755	re	Nonsense-Mediated Decay (NMD)
2.08E-18	REAC:6159754	re	Nonsense Mediated Decay (NMD) independent of the Exon Junction Complex (EJC)
6.96E-16	REAC:6159756	re	Nonsense Mediated Decay (NMD) enhanced by the Exon Junction Complex (EJC)
5.02E-07	REAC:6158739	re	Metabolism of proteins
6.30E-21	REAC:6158738	re	Translation
2.21E-15	REAC:6159891	re	SRP-dependent cotranslational protein targeting to membrane
1.67E-21	REAC:6158737	re	Eukaryotic Translation Initiation
1.35E-21	REAC:6159071	re	L13a-mediated translational silencing of Ceruloplasmin expression
1.67E-21	REAC:6158736	re	Cap-dependent Translation Initiation
6.50E-08	REAC:6158741	re	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S
6.50E-08	REAC:6159070	re	Translation initiation complex formation
1.06E-05	REAC:6158742	re	Formation of the ternary complex, and subsequently, the 43S complex

3.92E-19	REAC:6158744	re	Formation of a pool of free 40S subunits
1.35E-21	REAC:6158735	re	GTP hydrolysis and joining of the 60S ribosomal subunit
2.46E-07	REAC:6158740	re	Ribosomal scanning and start codon recognition
2.51E-17	REAC:6159062	re	Eukaryotic Translation Termination
2.99E-20	REAC:6159074	re	Eukaryotic Translation Elongation
3.14E-19	REAC:6159073	re	Peptide chain elongation
4.60E-03	REAC:6158588	re	DNA strand elongation
8.57E-11	REAC:6158570	re	Cell Cycle
3.99E-10	REAC:6158569	re	Cell Cycle, Mitotic
1.23E-02	REAC:6158578	re	S Phase
1.64E-05	REAC:6158581	re	Mitotic G1-G1/S phases
1.66E-04	REAC:6159801	re	G0 and Early G1
1.99E-02	REAC:6158580	re	G1/S Transition
2.52E-03	REAC:6158599	re	Cell Cycle Checkpoints
8.60E-05	REAC:6158607	re	G2/M Checkpoints
3.94E-04	REAC:6158606	re	Activation of ATR in response to replication stress
2.53E-04	REAC:6158579	re	Activation of the pre-replicative complex
7.78E-06	REAC:6159133	re	Mitotic Metaphase and Anaphase
1.89E-05	REAC:6159248	re	Mitotic Anaphase
1.31E-04	REAC:6159247	re	Separation of Sister Chromatids
2.09E-02	REAC:6159575	re	Chaperonin-mediated protein folding
4.13E-02	REAC:6159590	re	Association of TriC/CCT with target proteins during biosynthesis
1.24E-02	REAC:6159574	re	Cooperation of Prefoldin and TriC/CCT in actin and tubulin folding
1.73E-03	REAC:6159580	re	Folding of actin by CCT/TriC
7.01E-03	REAC:6159578	re	Prefoldin mediated transfer of substrate to CCT/TriC
4.91E-11	REAC:6159880	re	Mitotic Prometaphase
6.69E-09	REAC:6159879	re	Resolution of Sister Chromatid Cohesion
1.62E-02	REAC:6159786	re	Kinesins
1.67E-02	REAC:6158571	re	DNA Replication

Complete List of Enriched GO Terms among Upregulated Genes between NF stage 56 vs 62

p-value	term ID	t type	Description
4.38E-02	GO:0055085	BP	transmembrane transport
1.59E-02	GO:0009719	BP	response to endogenous stimulus
1.11E-02	GO:0071495	BP	cellular response to endogenous stimulus
4.47E-02	GO:0032870	BP	cellular response to hormone stimulus
3.21E-02	GO:0009755	BP	hormone-mediated signaling pathway
8.59E-03	GO:0005509	MF	calcium ion binding
1.46E-02	REAC:6159026	re	Extracellular matrix organization

Complete List of Enriched GO Terms among Downregulated Genes between NF stage 56 vs 62

p-value	term ID	t type	Description
2.11E-02	GO:0022414	BP	reproductive process
1.74E-02	GO:0044702	BP	single organism reproductive process
5.44E-03	GO:0071840	BP	cellular component organization or biogenesis
3.13E-03	GO:0016043	BP	cellular component organization
8.90E-03	GO:0032501	BP	multicellular organismal process
1.07E-02	GO:0044707	BP	single-multicellular organism process
2.73E-10	GO:0032502	BP	developmental process
7.24E-09	GO:0048856	BP	anatomical structure development
3.31E-03	GO:0009888	BP	tissue development
9.16E-03	GO:0060429	BP	epithelium development
1.97E-02	GO:0009653	BP	anatomical structure morphogenesis
2.47E-10	GO:0044767	BP	single-organism developmental process
7.97E-08	GO:0060322	BP	head development
2.32E-05	GO:0048869	BP	cellular developmental process
4.56E-05	GO:0030154	BP	cell differentiation
4.66E-02	GO:0001708	BP	cell fate specification
1.81E-02	GO:0048468	BP	cell development
1.69E-09	GO:0007275	BP	multicellular organismal development
6.05E-08	GO:0048731	BP	system development
6.97E-03	GO:0061458	BP	reproductive system development
6.97E-03	GO:0048608	BP	reproductive structure development
1.77E-08	GO:0007399	BP	nervous system development
3.64E-07	GO:0048513	BP	organ development
2.44E-09	GO:0007417	BP	central nervous system development
1.99E-04	GO:0009790	BP	embryo development
1.62E-03	GO:0009792	BP	embryo development ending in birth or egg hatching
1.62E-03	GO:0043009	BP	chordate embryonic development
2.73E-03	GO:0001840	BP	neural plate development
4.50E-08	GO:0007420	BP	brain development
1.16E-05	GO:0030900	BP	forebrain development
4.66E-02	GO:0021536	BP	diencephalon development
1.17E-02	GO:0050793	BP	regulation of developmental process
1.48E-02	GO:2000026	BP	regulation of multicellular organismal development
1.41E-03	GO:0001731	BP	formation of translation preinitiation complex
3.38E-02	GO:0045944	BP	positive regulation of transcription from RNA polymerase II promoter
1.17E-02	GO:0048285	BP	organelle fission
5.65E-03	GO:0000280	BP	nuclear division

3.49E-03	GO:1902589	BP	single-organism organelle organization
5.72E-07	GO:0007049	BP	cell cycle
6.89E-07	GO:0022402	BP	cell cycle process
2.49E-07	GO:0000278	BP	mitotic cell cycle
2.67E-05	GO:1903047	BP	mitotic cell cycle process
7.30E-03	GO:0007067	BP	mitotic nuclear division
1.84E-06	GO:0051301	BP	cell division
2.91E-04	GO:0000910	BP	cytokinesis
1.12E-02	GO:0008152	BP	metabolic process
8.80E-04	GO:0071704	BP	organic substance metabolic process
9.85E-03	GO:0043170	BP	macromolecule metabolic process
3.44E-08	GO:0010467	BP	gene expression
8.65E-10	GO:1901360	BP	organic cyclic compound metabolic process
1.88E-04	GO:0044238	BP	primary metabolic process
1.61E-08	GO:0009058	BP	biosynthetic process
5.25E-08	GO:1901576	BP	organic substance biosynthetic process
4.31E-06	GO:1901362	BP	organic cyclic compound biosynthetic process
4.13E-10	GO:0009059	BP	macromolecule biosynthetic process
1.55E-10	GO:0006807	BP	nitrogen compound metabolic process
5.55E-10	GO:0019222	BP	regulation of metabolic process
3.82E-12	GO:0060255	BP	regulation of macromolecule metabolic process
4.25E-12	GO:0010468	BP	regulation of gene expression
1.21E-12	GO:0009889	BP	regulation of biosynthetic process
4.66E-13	GO:0010556	BP	regulation of macromolecule biosynthetic process
7.33E-12	GO:0080090	BP	regulation of primary metabolic process
1.30E-10	GO:0051171	BP	regulation of nitrogen compound metabolic process
8.13E-06	GO:0044237	BP	cellular metabolic process
3.54E-10	GO:0046483	BP	heterocycle metabolic process
1.73E-09	GO:0034641	BP	cellular nitrogen compound metabolic process
1.09E-04	GO:0044260	BP	cellular macromolecule metabolic process
5.83E-12	GO:0031323	BP	regulation of cellular metabolic process
4.62E-10	GO:0006725	BP	cellular aromatic compound metabolic process
4.29E-10	GO:0006139	BP	nucleobase-containing compound metabolic process
1.56E-07	GO:0090304	BP	nucleic acid metabolic process
1.24E-05	GO:0016070	BP	RNA metabolic process
1.23E-10	GO:0019219	BP	regulation of nucleobase-containing compound metabolic process
6.94E-10	GO:0051252	BP	regulation of RNA metabolic process
1.58E-08	GO:0044249	BP	cellular biosynthetic process
2.39E-06	GO:0044271	BP	cellular nitrogen compound biosynthetic process
1.46E-06	GO:0018130	BP	heterocycle biosynthetic process
1.21E-06	GO:0019438	BP	aromatic compound biosynthetic process
1.36E-06	GO:0034654	BP	nucleobase-containing compound biosynthetic process
4.11E-07	GO:0032774	BP	RNA biosynthetic process
3.32E-07	GO:0097659	BP	nucleic acid-templated transcription
2.97E-10	GO:0034645	BP	cellular macromolecule biosynthetic process
3.32E-07	GO:0006351	BP	transcription, DNA-templated
1.01E-12	GO:0031326	BP	regulation of cellular biosynthetic process
4.13E-13	GO:2000112	BP	regulation of cellular macromolecule biosynthetic process
3.43E-02	GO:0006275	BP	regulation of DNA replication
1.12E-09	GO:2001141	BP	regulation of RNA biosynthetic process
1.12E-09	GO:1903506	BP	regulation of nucleic acid-templated transcription
1.12E-09	GO:0006355	BP	regulation of transcription, DNA-templated
3.36E-02	GO:0006261	BP	DNA-dependent DNA replication
2.18E-03	GO:0006446	BP	regulation of translational initiation
4.96E-02	GO:0006928	BP	movement of cell or subcellular component
1.37E-02	GO:0000122	BP	negative regulation of transcription from RNA polymerase II promoter
2.54E-03	GO:0005852	CC	eukaryotic translation initiation factor 3 complex
2.85E-03	GO:0005623	CC	cell
2.85E-03	GO:0044464	CC	cell part
5.94E-12	GO:0005622	CC	intracellular
3.49E-15	GO:0044424	CC	intracellular part
1.40E-10	GO:0043226	CC	organelle
3.21E-02	GO:0043228	CC	non-membrane-bounded organelle
6.52E-08	GO:0043227	CC	membrane-bounded organelle
8.72E-11	GO:0043229	CC	intracellular organelle
3.21E-02	GO:0043232	CC	intracellular non-membrane-bounded organelle
1.14E-07	GO:0043231	CC	intracellular membrane-bounded organelle
4.60E-13	GO:0005634	CC	nucleus
3.41E-02	GO:0015630	CC	microtubule cytoskeleton
1.12E-03	GO:0005874	CC	microtubule
1.41E-03	GO:0070993	CC	translation preinitiation complex
1.41E-03	GO:0016282	CC	eukaryotic 43S preinitiation complex
1.41E-03	GO:0033290	CC	eukaryotic 48S preinitiation complex
3.28E-02	GO:0032403	MF	protein complex binding
2.19E-02	GO:0031491	MF	nucleosome binding
2.09E-10	GO:0001071	MF	nucleic acid binding transcription factor activity
2.09E-10	GO:0003700	MF	sequence-specific DNA binding transcription factor activity
1.72E-02	GO:0016817	MF	hydrolase activity, acting on acid anhydrides
1.39E-02	GO:0016818	MF	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides
1.24E-02	GO:0016462	MF	pyrophosphatase activity
3.75E-02	GO:0017111	MF	nucleoside-triphosphatase activity
3.64E-06	GO:0005488	MF	binding
3.64E-10	GO:1901363	MF	heterocyclic compound binding
5.11E-10	GO:0097159	MF	organic cyclic compound binding

1.32E-12	GO:0003676	MF	nucleic acid binding
2.73E-11	GO:0003677	MF	DNA binding
1.06E-09	GO:0043565	MF	sequence-specific DNA binding
1.30E-02	GO:0003723	MF	RNA binding
3.65E-03	GO:0008135	MF	translation factor activity, nucleic acid binding
3.02E-02	GO:0003678	MF	DNA helicase activity
1.13E-02	REAC:6158738	re	Translation
2.23E-02	REAC:6159786	re	Kinesins
1.30E-07	REAC:6159880	re	Mitotic Prometaphase
5.80E-05	REAC:6159879	re	Resolution of Sister Chromatid Cohesion
2.04E-02	REAC:6159972	re	Condensation of Prometaphase Chromosomes
3.12E-02	REAC:6158570	re	Cell Cycle
1.14E-02	REAC:6158569	re	Cell Cycle, Mitotic

Complete List of Enriched GO Terms among Upregulated Genes between NF stage 56 vs 66

p-value	term ID	t type	Description
1.46E-02	GO:1902578	BP	single-organism localization
4.90E-03	GO:0044765	BP	single-organism transport
2.12E-02	GO:0009725	BP	response to hormone
1.85E-02	GO:0032870	BP	cellular response to hormone stimulus
4.93E-02	GO:0009755	BP	hormone-mediated signaling pathway
1.36E-04	GO:0005576	CC	extracellular region
1.49E-02	GO:0005509	MF	calcium ion binding
2.32E-02	GO:0005085	MF	guanyl-nucleotide exchange factor activity
6.45E-03	GO:0022803	MF	passive transmembrane transporter activity
6.45E-03	GO:0015267	MF	channel activity
1.06E-02	GO:0022836	MF	gated channel activity
1.65E-02	GO:0022838	MF	substrate-specific channel activity
1.65E-02	GO:0005216	MF	ion channel activity
6.84E-04	GO:0005102	MF	receptor binding
1.59E-04	KEGG:04020	ke	Calcium signaling pathway
8.34E-04	KEGG:04080	ke	Neuroactive ligand-receptor interaction
1.50E-02	MI:xtr-miR-425-5p	mi	MI:xtr-miR-425-5p
1.43E-05	REAC:6158907	re	Signaling by GPCR
1.21E-06	REAC:6159020	re	GPCR downstream signaling
4.41E-02	REAC:6159031	re	G alpha (q) signalling events
2.01E-02	REAC:6159026	re	Extracellular matrix organization

Complete List of Enriched GO Terms among Downregulated Genes between NF stage 56 vs 66

p-value	term ID	t type	Description
6.67E-03	GO:0006261	BP	DNA-dependent DNA replication
1.27E-02	GO:0006270	BP	DNA replication initiation
3.97E-02	GO:0009987	BP	cellular process
1.28E-02	GO:0022414	BP	reproductive process
1.03E-02	GO:0044702	BP	single organism reproductive process
2.99E-03	GO:0008152	BP	metabolic process
3.74E-05	GO:0071704	BP	organic substance metabolic process
4.60E-05	GO:0043170	BP	macromolecule metabolic process
1.56E-12	GO:0010467	BP	gene expression
4.26E-13	GO:1901360	BP	organic cyclic compound metabolic process
1.85E-05	GO:0044238	BP	primary metabolic process
3.25E-13	GO:0009058	BP	biosynthetic process
1.31E-13	GO:1901576	BP	organic substance biosynthetic process
2.40E-13	GO:1901362	BP	organic cyclic compound biosynthetic process
1.08E-14	GO:0009059	BP	macromolecule biosynthetic process
3.66E-12	GO:0006807	BP	nitrogen compound metabolic process
2.19E-07	GO:0044237	BP	cellular metabolic process
5.47E-13	GO:0046483	BP	heterocycle metabolic process
7.11E-13	GO:0034641	BP	cellular nitrogen compound metabolic process
1.29E-06	GO:0044260	BP	cellular macromolecule metabolic process
1.60E-13	GO:0006725	BP	cellular aromatic compound metabolic process
1.83E-13	GO:0006139	BP	nucleobase-containing compound metabolic process
1.57E-13	GO:0090304	BP	nucleic acid metabolic process
2.25E-12	GO:0016070	BP	RNA metabolic process
5.67E-14	GO:0044249	BP	cellular biosynthetic process
2.45E-13	GO:0044271	BP	cellular nitrogen compound biosynthetic process
2.97E-13	GO:0018130	BP	heterocycle biosynthetic process
8.45E-14	GO:0019438	BP	aromatic compound biosynthetic process
1.49E-13	GO:0034654	BP	nucleobase-containing compound biosynthetic process
5.68E-16	GO:0032774	BP	RNA biosynthetic process
4.00E-16	GO:0097659	BP	nucleic acid-templated transcription
6.97E-15	GO:0034645	BP	cellular macromolecule biosynthetic process
4.00E-16	GO:0006351	BP	transcription, DNA-templated
4.23E-08	GO:0032501	BP	multicellular organismal process
4.59E-08	GO:0044707	BP	single-multicellular organism process
2.36E-02	GO:0065007	BP	biological regulation
1.69E-02	GO:0050789	BP	regulation of biological process
3.06E-03	GO:0051239	BP	regulation of multicellular organismal process
1.71E-15	GO:0019222	BP	regulation of metabolic process

2.38E-18	GO:0060255	BP	regulation of macromolecule metabolic process
1.56E-02	GO:0010604	BP	positive regulation of macromolecule metabolic process
2.31E-19	GO:0010468	BP	regulation of gene expression
1.64E-03	GO:0010628	BP	positive regulation of gene expression
1.67E-20	GO:0009889	BP	regulation of biosynthetic process
1.46E-20	GO:0010556	BP	regulation of macromolecule biosynthetic process
1.10E-02	GO:0009891	BP	positive regulation of biosynthetic process
4.57E-03	GO:0010557	BP	positive regulation of macromolecule biosynthetic process
4.68E-19	GO:0080090	BP	regulation of primary metabolic process
5.04E-20	GO:0051171	BP	regulation of nitrogen compound metabolic process
2.33E-02	GO:0050794	BP	regulation of cellular process
4.62E-19	GO:0031323	BP	regulation of cellular metabolic process
1.30E-20	GO:0031326	BP	regulation of cellular biosynthetic process
1.23E-20	GO:2000112	BP	regulation of cellular macromolecule biosynthetic process
4.62E-02	GO:0031327	BP	negative regulation of cellular biosynthetic process
4.64E-20	GO:0019219	BP	regulation of nucleobase-containing compound metabolic process
6.33E-20	GO:0051252	BP	regulation of RNA metabolic process
2.69E-20	GO:2001141	BP	regulation of RNA biosynthetic process
2.69E-20	GO:1903506	BP	regulation of nucleic acid-templated transcription
2.69E-20	GO:0006355	BP	regulation of transcription, DNA-templated
2.93E-20	GO:0032502	BP	developmental process
4.03E-15	GO:0048856	BP	anatomical structure development
7.20E-08	GO:0009888	BP	tissue development
5.76E-07	GO:0060429	BP	epithelium development
4.71E-02	GO:0003006	BP	developmental process involved in reproduction
9.95E-07	GO:0009653	BP	anatomical structure morphogenesis
1.05E-05	GO:0048646	BP	anatomical structure formation involved in morphogenesis
2.41E-05	GO:0050793	BP	regulation of developmental process
3.26E-06	GO:0071840	BP	cellular component organization or biogenesis
2.64E-06	GO:0016043	BP	cellular component organization
6.86E-04	GO:0006996	BP	organelle organization
8.30E-05	GO:0048285	BP	organelle fission
1.98E-04	GO:0000280	BP	nuclear division
5.92E-07	GO:1902589	BP	single-organism organelle organization
4.02E-03	GO:0008283	BP	cell proliferation
5.67E-03	GO:0042127	BP	regulation of cell proliferation
4.41E-02	GO:0048519	BP	negative regulation of biological process
2.82E-02	GO:0051093	BP	negative regulation of developmental process
1.52E-02	GO:0048523	BP	negative regulation of cellular process
2.50E-20	GO:0044767	BP	single-organism developmental process
3.85E-15	GO:0060322	BP	head development
6.07E-10	GO:0048869	BP	cellular developmental process
2.47E-02	GO:0032989	BP	cellular component morphogenesis
2.34E-02	GO:0000902	BP	cell morphogenesis
3.32E-10	GO:0030154	BP	cell differentiation
3.48E-02	GO:0045595	BP	regulation of cell differentiation
1.68E-04	GO:0048863	BP	stem cell differentiation
1.08E-03	GO:0045165	BP	cell fate commitment
4.33E-08	GO:0048468	BP	cell development
3.21E-03	GO:0048864	BP	stem cell development
2.22E-03	GO:0060284	BP	regulation of cell development
1.77E-02	GO:0010720	BP	positive regulation of cell development
1.16E-19	GO:0007275	BP	multicellular organismal development
9.39E-15	GO:0048731	BP	system development
9.90E-04	GO:0061458	BP	reproductive system development
9.90E-04	GO:0048608	BP	reproductive structure development
2.58E-18	GO:0007399	BP	nervous system development
4.50E-07	GO:0022008	BP	neurogenesis
3.30E-07	GO:0048699	BP	generation of neurons
1.37E-06	GO:0030182	BP	neuron differentiation
8.21E-14	GO:0048513	BP	organ development
2.03E-04	GO:0007423	BP	sensory organ development
1.24E-02	GO:0001654	BP	eye development
6.14E-04	GO:0060485	BP	mesenchyme development
1.08E-03	GO:0048762	BP	mesenchymal cell differentiation
9.61E-03	GO:0014031	BP	mesenchymal cell development
1.70E-05	GO:0014033	BP	neural crest cell differentiation
1.48E-17	GO:0007417	BP	central nervous system development
1.27E-02	GO:0021953	BP	central nervous system neuron differentiation
1.09E-05	GO:2000026	BP	regulation of multicellular organismal development
5.24E-03	GO:0051960	BP	regulation of nervous system development
4.06E-02	GO:0051962	BP	positive regulation of nervous system development
3.21E-03	GO:0050767	BP	regulation of neurogenesis
1.77E-02	GO:0050769	BP	positive regulation of neurogenesis
3.28E-04	GO:0007389	BP	pattern specification process
4.41E-05	GO:0003002	BP	regionalization
1.46E-03	GO:0009952	BP	anterior/posterior pattern specification
3.09E-09	GO:0009790	BP	embryo development
1.10E-07	GO:0009792	BP	embryo development ending in birth or egg hatching
1.10E-07	GO:0043009	BP	chordate embryonic development
5.83E-03	GO:0001840	BP	neural plate development
9.68E-03	GO:0048732	BP	gland development
1.52E-15	GO:0007420	BP	brain development
1.75E-09	GO:0030900	BP	forebrain development

4.06E-05	GO:0021536	BP	diencephalon development
3.20E-03	GO:0021915	BP	neural tube development
1.66E-02	GO:0051173	BP	positive regulation of nitrogen compound metabolic process
1.45E-02	GO:0045935	BP	positive regulation of nucleobase-containing compound metabolic process
3.91E-03	GO:0051254	BP	positive regulation of RNA metabolic process
2.59E-02	GO:0051172	BP	negative regulation of nitrogen compound metabolic process
2.59E-02	GO:0045934	BP	negative regulation of nucleobase-containing compound metabolic process
1.26E-04	GO:0048522	BP	positive regulation of cellular process
8.04E-08	GO:0007049	BP	cell cycle
2.26E-07	GO:0022402	BP	cell cycle process
1.37E-07	GO:0000278	BP	mitotic cell cycle
9.82E-06	GO:1903047	BP	mitotic cell cycle process
1.68E-04	GO:0007067	BP	mitotic nuclear division
2.22E-02	GO:0010558	BP	negative regulation of macromolecule biosynthetic process
2.22E-02	GO:2000113	BP	negative regulation of cellular macromolecule biosynthetic process
2.74E-07	GO:0051301	BP	cell division
1.09E-03	GO:0000910	BP	cytokinesis
5.84E-03	GO:0051253	BP	negative regulation of RNA metabolic process
5.84E-03	GO:1902679	BP	negative regulation of RNA biosynthetic process
5.84E-03	GO:1903507	BP	negative regulation of nucleic acid-templated transcription
5.84E-03	GO:0045892	BP	negative regulation of transcription, DNA-templated
1.10E-02	GO:0031328	BP	positive regulation of cellular biosynthetic process
2.41E-03	GO:1902680	BP	positive regulation of RNA biosynthetic process
2.41E-03	GO:1903508	BP	positive regulation of nucleic acid-templated transcription
2.41E-03	GO:0045893	BP	positive regulation of transcription, DNA-templated
3.04E-02	GO:0006357	BP	regulation of transcription from RNA polymerase II promoter
1.90E-03	GO:0045944	BP	positive regulation of transcription from RNA polymerase II promoter
5.90E-04	GO:0000122	BP	negative regulation of transcription from RNA polymerase II promoter
1.84E-04	GO:0007017	BP	microtubule-based process
9.58E-04	GO:0006928	BP	movement of cell or subcellular component
7.09E-03	GO:0016055	BP	Wnt signaling pathway
3.20E-03	GO:0060070	BP	canonical Wnt signaling pathway
7.35E-07	GO:0005623	CC	cell
7.35E-07	GO:0044464	CC	cell part
2.15E-20	GO:0005622	CC	intracellular
1.78E-23	GO:0044424	CC	intracellular part
1.51E-19	GO:0043226	CC	organelle
2.14E-03	GO:0043228	CC	non-membrane-bounded organelle
1.86E-14	GO:0043227	CC	membrane-bounded organelle
7.46E-20	GO:0043229	CC	intracellular organelle
2.14E-03	GO:0043232	CC	intracellular non-membrane-bounded organelle
7.09E-04	GO:0005856	CC	cytoskeleton
2.80E-05	GO:0015630	CC	microtubule cytoskeleton
3.38E-14	GO:0043231	CC	intracellular membrane-bounded organelle
1.71E-21	GO:0005634	CC	nucleus
2.67E-04	GO:0044430	CC	cytoskeletal part
4.58E-06	GO:0005874	CC	microtubule
1.29E-20	GO:0001071	MF	nucleic acid binding transcription factor activity
1.29E-20	GO:0003700	MF	sequence-specific DNA binding transcription factor activity
6.73E-06	GO:0005488	MF	binding
2.76E-14	GO:1901363	MF	heterocyclic compound binding
4.28E-14	GO:0097159	MF	organic cyclic compound binding
1.69E-18	GO:0003676	MF	nucleic acid binding
5.88E-23	GO:0003677	MF	DNA binding
2.20E-21	GO:0043565	MF	sequence-specific DNA binding
6.65E-04	GO:0044877	MF	macromolecular complex binding
1.32E-03	GO:0032403	MF	protein complex binding
3.83E-02	GO:0031491	MF	nucleosome binding
4.01E-02	GO:0008017	MF	microtubule binding
1.03E-02	HP:0006498	hp	Aplasia/Hypoplasia of the patella
4.89E-03	HP:0006443	hp	Patellar aplasia
3.14E-02	HP:0000006	hp	Autosomal dominant inheritance
1.55E-02	KEGG:04330	ke	Notch signaling pathway
4.63E-03	KEGG:04110	ke	Cell cycle
6.71E-03	KEGG:04115	ke	p53 signaling pathway
1.78E-04	REAC:6159328	re	Cholesterol biosynthesis
5.96E-07	REAC:6159880	re	Mitotic Prometaphase
2.14E-05	REAC:6159879	re	Resolution of Sister Chromatid Cohesion
4.07E-03	REAC:6159576	re	Protein folding
4.41E-04	REAC:6159575	re	Chaperonin-mediated protein folding
6.91E-03	REAC:6159590	re	Association of TriC/CCT with target proteins during biosynthesis
2.82E-04	REAC:6159574	re	Cooperation of Prefoldin and TriC/CCT in actin and tubulin folding
1.89E-04	REAC:6159580	re	Folding of actin by CCT/TriC
1.72E-03	REAC:6159573	re	Formation of tubulin folding intermediates by CCT/TriC
2.23E-03	REAC:6159578	re	Prefoldin mediated transfer of substrate to CCT/TriC
1.32E-02	REAC:6159882	re	Regulation of cholesterol biosynthesis by SREBP (SREBF)
5.07E-04	REAC:6159881	re	Activation of gene expression by SREBF (SREBP)
2.84E-02	REAC:6159422	re	Caspase-mediated cleavage of cytoskeletal proteins
7.13E-03	REAC:6158570	re	Cell Cycle
3.49E-03	REAC:6158569	re	Cell Cycle, Mitotic

Complete List of Enriched GO Terms among Downregulated Genes between NF stage 62 vs 66

p-value	term ID	t type	Description

1.67E-02	GO:0006720	BP	isoprenoid metabolic process
5.87E-03	GO:0044710	BP	single-organism metabolic process
2.95E-04	GO:0006629	BP	lipid metabolic process
2.41E-02	GO:0008610	BP	lipid biosynthetic process
9.01E-03	GO:0008299	BP	isoprenoid biosynthetic process
1.67E-02	GO:0009620	BP	response to fungus
1.12E-02	GO:0001878	BP	response to yeast
4.93E-02	GO:0003824	MF	catalytic activity
2.56E-03	KEGG:00900	ke	Terpenoid backbone biosynthesis
4.38E-03	KEGG:00650	ke	Butanoate metabolism
1.35E-02	KEGG:00072	ke	Synthesis and degradation of ketone bodies
1.84E-02	REAC:6158664	re	Metabolism of lipids and lipoproteins
2.11E-08	REAC:6159328	re	Cholesterol biosynthesis
8.31E-07	REAC:6159882	re	Regulation of cholesterol biosynthesis by SREBP (SREBF)
4.78E-06	REAC:6159881	re	Activation of gene expression by SREBF (SREBP)

Supplemental Table 4.8. List of differentially expressed genes that showed correlation with changes in DNA methylation in *X. tropicalis* tadpole brain during metamorphosis

List of Upregulated genes within 50 kb from regions that became Demethylated between NF stage 50 and 62

Ensembl ID	Gene ID	Description
ENSXETG00000010380	ACVR1	activin A receptor, type I [Source:Jamboree;Acc:XB-GENE-478850]
ENSXETG00000017676	ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif, 4 [Source:Jamboree;Acc:XB-GENE-996659]
ENSXETG00000009501	CAPNS1	calpain, small subunit 1 [Source:Jamboree;Acc:XB-GENE-6039680]
ENSXETG00000020131	CDH9	cadherin 9, type 2 (T1-cadherin) [Source:Jamboree;Acc:XB-GENE-6039319]
ENSXETG00000000506	CLCA1	chloride channel accessory 1 [Source:Jamboree;Acc:XB-GENE-6043674]
ENSXETG00000004425	DENND5A	DENN/MADD domain containing 5A [Source:Jamboree;Acc:XB-GENE-970289]
ENSXETG00000001232	DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha [Source:Jamboree;Acc:XB-GENE-959529]
ENSXETG00000001233	DTNB	dystrobrevin, beta [Source:Jamboree;Acc:XB-GENE-979789]
ENSXETG00000015440	EDN1	endothelin 1 [Source:Jamboree;Acc:XB-GENE-491328]
ENSXETG00000005685	HEATR7A	HEAT repeat containing 7A [Source:Jamboree;Acc:XB-GENE-6038828]
ENSXETG00000000858	KCNG2	potassium voltage-gated channel, subfamily G, member 2 [Source:Jamboree;Acc:XB-GENE-954003]
ENSXETG00000013115	KIAA0895	KIAA0895 protein [Source:Jamboree;Acc:XB-GENE-5831988]
ENSXETG00000000020	MBOAT1	membrane bound O-acyltransferase domain containing 1 [Source:Jamboree;Acc:XB-GENE-994274]
ENSXETG00000013710	MMP16	matrix metallopeptidase 16 (membrane-inserted) [Source:Jamboree;Acc:XB-GENE-1007177]
ENSXETG00000009502	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q683]
ENSXETG00000011260	N/A	N/A
ENSXETG00000014412	N/A	N/A
ENSXETG00000025879	N/A	N/A
XLOC_002786	N/A	N/A
XLOC_016931	N/A	N/A
XLOC_021716	N/A	N/A
XLOC_023580	N/A	N/A
XLOC_043813	N/A	N/A
ENSXETG00000014601	NECAB1	N-terminal EF-hand calcium binding protein 1 [Source:Jamboree;Acc:XB-GENE-943030]
ENSXETG00000025946	PQLC1.1	PQ loop repeat containing 1, gene 1 [Source:Jamboree;Acc:XB-GENE-988363]
ENSXETG00000004287	PTPRM	protein tyrosine phosphatase, receptor type, M [Source:Jamboree;Acc:XB-GENE-5958903]
ENSXETG00000013833	RASA3	RAS p21 protein activator 3 [Source:Jamboree;Acc:XB-GENE-920756]
ENSXETG00000005692	SCXA	scleraxis homolog A [Source:Jamboree;Acc:XB-GENE-939816]
ENSXETG00000000624	SERPINB1	serpin peptidase inhibitor, clade B (ovalbumin), member 1 [Source:Jamboree;Acc:XB-GENE-1217264]
ENSXETG00000027588	SERPINB6	serpin peptidase inhibitor, clade B (ovalbumin), member 6 [Source:Jamboree;Acc:XB-GENE-1001870]
ENSXETG00000018025	SLC22A23	solute carrier family 22, member 23 [Source:Jamboree;Acc:XB-GENE-966989]
ENSXETG00000011257	SLCO4A1	solute carrier organic anion transporter family, member 4A1 [Source:Jamboree;Acc:XB-GENE-5905026]
ENSXETG00000010952	TRIT1	tRNA isopentenyltransferase 1 [Source:Jamboree;Acc:XB-GENE-494505]
ENSXETG00000002572	UPF3A	UPF3 regulator of nonsense transcripts homolog A [Source:Jamboree;Acc:XB-GENE-1005810]
ENSXETG00000024589	XB-GENE-5727466	novel protein similar to BTG family, member 3 btg3 [Source:Jamboree;Acc:XB-GENE-5727466]
ENSXETG00000010951	XB-GENE-5901010	hypothetical protein LOC548655 [Source:Jamboree;Acc:XB-GENE-5901010]
ENSXETG00000019505	XB-GENE-5934805	hypothetical protein LOC779521 [Source:Jamboree;Acc:XB-GENE-5934805]
ENSXETG00000029085	XTR-LET-7E-2	xtr-let-7e-2 [Source:miRBase;Acc:MI0004909]

List of Downregulated genes within 50 kb from regions that became Demethylated between NF stage 50 and 62

Ensembl ID	Gene ID	Description
ENSXETG00000025940	ACOT13	acyl-CoA thioesterase 13 [Source:Jamboree;Acc:XB-GENE-1004168]
ENSXETG00000000343	ANLN	anillin, actin binding protein [Source:Jamboree;Acc:XB-GENE-489407]
ENSXETG00000024124	BCL2	B-cell CLL/lymphoma 2 [Source:Jamboree;Acc:XB-GENE-943008]
ENSXETG00000000740	CARD9	caspase recruitment domain family, member 9 [Source:Jamboree;Acc:XB-GENE-986414]
ENSXETG00000019671	CEP76	centrosomal protein 76kDa [Source:Jamboree;Acc:XB-GENE-966809]
ENSXETG00000025941	CNO	cappuccino homolog (mouse) [Source:Jamboree;Acc:XB-GENE-5771057]
ENSXETG00000022341	COL5A1	collagen, type V, alpha 1 [Source:Jamboree;Acc:XB-GENE-5954567]
ENSXETG00000000856	CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1 [Source:Jamboree;Acc:XB-GENE-479716]
ENSXETG00000019275	DES.1	desmin, gene 1 [Source:Jamboree;Acc:XB-GENE-494931]
ENSXETG00000015432	DTNBP1	dystrobrevin binding protein 1 [Source:Jamboree;Acc:XB-GENE-5812147]
ENSXETG00000000021	E2F3	E2F transcription factor 3 [Source:Jamboree;Acc:XB-GENE-974737]
ENSXETG00000004436	E2F8	E2F transcription factor 8 [Source:Jamboree;Acc:XB-GENE-1219148]
ENSXETG00000017830	FBL	fibrillarin [Source:Jamboree;Acc:XB-GENE-970225]
ENSXETG00000023119	FRMD8	FERM domain containing 8 [Source:Jamboree;Acc:XB-GENE-5852953]
ENSXETG00000014814	GMNN	geminin, DNA replication inhibitor [Source:Jamboree;Acc:XB-GENE-966994]
ENSXETG00000004120	KLF10	Kruppel-like factor 10 [Source:Jamboree;Acc:XB-GENE-854761]
XLOC_007587	N/A	N/A
XLOC_029913	N/A	N/A
XLOC_041728	N/A	N/A
ENSXETG00000012699	NIT1	nitrilase 1 [Source:Jamboree;Acc:XB-GENE-975428]
ENSXETG00000012702	PFDN2	prefoldin subunit 2 [Source:Jamboree;Acc:XB-GENE-997342]
ENSXETG00000017673	PPOX	protoporphyrinogen oxidase [Source:Jamboree;Acc:XB-GENE-1010029]
ENSXETG00000020729	RAB13	RAB13, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-6070728]
ENSXETG00000004424	SCUBE2	signal peptide, CUB domain, EGF-like 2 [Source:Jamboree;Acc:XB-GENE-5945055]
ENSXETG00000029638	U4	U4 spliceosomal RNA [Source:RFAM;Acc:RF00015]
ENSXETG00000026975	UBE2E1	ubiquitin-conjugating enzyme E2E 1 [Source:Jamboree;Acc:XB-GENE-941508]
ENSXETG00000019578	VAV2	vav 2 guanine nucleotide exchange factor [Source:Jamboree;Acc:XB-GENE-6067166]
ENSXETG00000018031	XB-GENE-5835884	hypothetical protein LOC100145507 [Source:Jamboree;Acc:XB-GENE-5835884]

List of Upregulated genes within 50 kb from regions that became Demethylated between NF stage 50 and 66

Ensembl ID	Gene ID	Description
ENSXETG00000003978	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2 [Source:Jamboree;Acc:XB-GENE-969968]
ENSXETG00000022231	ACCS	1-aminocyclopropane-1-carboxylate synthase homolog [Source:Jamboree;Acc:XB-GENE-989873]
ENSXETG00000010380	ACVR1	activin A receptor, type I [Source:Jamboree;Acc:XB-GENE-478850]
ENSXETG00000017676	ADAMTS4	ADAM metallopeptidase with thrombospondin type 1 motif, 4 [Source:Jamboree;Acc:XB-GENE-996659]
ENSXETG00000013638	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif, 5 [Source:Jamboree;Acc:XB-GENE-961098]
ENSXETG00000019547	ARHGAP44	Rho GTPase activating protein 44 [Source:Jamboree;Acc:XB-GENE-6037573]
ENSXETG00000014794	ARHGEF10L	Rho guanine nucleotide exchange factor (GEF) 10-like [Source:Jamboree;Acc:XB-GENE-996306]
ENSXETG00000021442	ASH1L	ash1 (absent, small, or homeotic)-like [Source:Jamboree;Acc:XB-GENE-6035627]
ENSXETG00000004357	ATRN	attractin [Source:Jamboree;Acc:XB-GENE-953934]
ENSXETG00000023806	ATRNL1	attractin-like 1 [Source:Jamboree;Acc:XB-GENE-6033278]

ENSXETG00000006824	CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit [Source:Jamboree;Acc:XB-GENE-993391]
ENSXETG00000009501	CAPNS1	calpain, small subunit 1 [Source:Jamboree;Acc:XB-GENE-6039680]
ENSXETG00000006832	CHAD	chondroadherin [Source:Jamboree;Acc:XB-GENE-957654]
ENSXETG00000021972	COL27A1	collagen, type XXVII, alpha 1 [Source:Jamboree;Acc:XB-GENE-6032747]
ENSXETG00000013325	COTL1	coactosin-like 1 (Dictyostelium) [Source:Jamboree;Acc:XB-GENE-943481]
ENSXETG00000000667	DAB2IP	DAB2 interacting protein [Source:HGNC Symbol;Acc:HGNC:17294]
ENSXETG00000004425	DENND5A	DENN/MADD domain containing 5A [Source:Jamboree;Acc:XB-GENE-970289]
ENSXETG00000001232	DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha [Source:Jamboree;Acc:XB-GENE-959529]
ENSXETG00000019922	DOCK2	dedicator of cytokinesis 2 [Source:Jamboree;Acc:XB-GENE-990617]
ENSXETG00000001233	DTNB	dystrobrevin, beta [Source:Jamboree;Acc:XB-GENE-979789]
ENSXETG00000006002	EML4	echinoderm microtubule associated protein like 4 [Source:Jamboree;Acc:XB-GENE-971027]
ENSXETG00000000929	ERC2	ELKS/RAB6-interacting/CAST family member 2 [Source:Jamboree;Acc:XB-GENE-1013677]
ENSXETG00000005119	FAM13C	family with sequence similarity 13, member C [Source:Jamboree;Acc:XB-GENE-954807]
ENSXETG00000023804	GFRA1	GDNF family receptor alpha 1 [Source:Jamboree;Acc:XB-GENE-1013855]
ENSXETG00000004245	GORASP1	golgi reassembly stacking protein 1, 65kDa [Source:Jamboree;Acc:XB-GENE-976361]
ENSXETG00000022933	GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1 [Source:Jamboree;Acc:XB-GENE-494200]
ENSXETG00000005685	HEATR7A	HEAT repeat containing 7A [Source:Jamboree;Acc:XB-GENE-6038828]
ENSXETG00000014317	HSPA12A	heat shock 70kDa protein 12A [Source:Jamboree;Acc:XB-GENE-959285]
ENSXETG00000014224	IGSF21	immunoglobin superfamily, member 21 [Source:Jamboree;Acc:XB-GENE-5948979]
ENSXETG00000006895	JOSD1	Josephin domain containing 1 [Source:Jamboree;Acc:XB-GENE-1000778]
ENSXETG00000009229	METRNL	meteorin, glial cell differentiation regulator-like [Source:Jamboree;Acc:XB-GENE-5745593]
ENSXETG00000000700	MSRA.1	methionine sulfoxide reductase A, gene 1 [Source:Jamboree;Acc:XB-GENE-1011250]
ENSXETG00000003595	N/A	N/A
ENSXETG00000009502	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q683]
ENSXETG00000011260	N/A	N/A
ENSXETG00000016314	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6PS22]
ENSXETG00000019543	N/A	N/A
ENSXETG00000025494	N/A	N/A
ENSXETG00000025879	N/A	N/A
XLOC_002167	N/A	N/A
XLOC_002786	N/A	N/A
XLOC_006245	N/A	N/A
XLOC_007893	N/A	N/A
XLOC_008120	N/A	N/A
XLOC_011529	N/A	N/A
XLOC_014493	N/A	N/A
XLOC_017809	N/A	N/A
XLOC_017873	N/A	N/A
XLOC_041576	N/A	N/A
XLOC_042154	N/A	N/A
XLOC_042970	N/A	N/A
XLOC_043725	N/A	N/A
ENSXETG00000016026	NUCB2	nucleobindin 2 [Source:Jamboree;Acc:XB-GENE-485477]
ENSXETG00000008122	PEA15	phosphoprotein enriched in astrocytes 15 [Source:Jamboree;Acc:XB-GENE-945186]
ENSXETG00000005118	PHYHIPL	phytanoyl-CoA 2-hydroxylase interacting protein-like [Source:Jamboree;Acc:XB-GENE-954796]
ENSXETG00000019512	PIK3R6	phosphoinositide-3-kinase, regulatory subunit 6 [Source:Jamboree;Acc:XB-GENE-989316]
ENSXETG00000009137	PPL	periplakin [Source:Jamboree;Acc:XB-GENE-1008954]
ENSXETG00000012142	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B [Source:Jamboree;Acc:XB-GENE-982398]
ENSXETG00000011138	PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit [Source:Jamboree;Acc:XB-GENE-5994580]
ENSXETG00000017294	PRKCB	protein kinase C, beta [Source:Jamboree;Acc:XB-GENE-486491]
ENSXETG00000012126	PTPRT	protein tyrosine phosphatase, receptor type, T [Source:Jamboree;Acc:XB-GENE-5717729]
ENSXETG00000022807	RAB40B	RAB40B, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-490554]
ENSXETG00000013833	RASA3	RAS p21 protein activator 3 [Source:Jamboree;Acc:XB-GENE-920756]
ENSXETG00000012110	RHBDL1	rhomboid, veinlet-like 1 [Source:Jamboree;Acc:XB-GENE-953355]
ENSXETG00000014343	SEZ6	seizure related 6 homolog [Source:Jamboree;Acc:XB-GENE-1013132]
ENSXETG00000011257	SLCO4A1	solute carrier organic anion transporter family, member 4A1 [Source:Jamboree;Acc:XB-GENE-5905026]
ENSXETG00000024196	SWAP70	SWAP switching B-cell complex 70kDa subunit [Source:Jamboree;Acc:XB-GENE-988796]
ENSXETG00000019114	TFE3	transcription factor binding to IGHM enhancer 3 [Source:Jamboree;Acc:XB-GENE-5918222]
ENSXETG00000001752	TUBA8	tubulin, alpha 8 [Source:Jamboree;Acc:XB-GENE-491247]
ENSXETG00000020830	UBR4	ubiquitin protein ligase E3 component n-recognin 4 [Source:Jamboree;Acc:XB-GENE-970440]
ENSXETG00000014175	VWA5A	von Willebrand factor A domain containing 5A [Source:Jamboree;Acc:XB-GENE-5898460]
ENSXETG00000019505	XB-GENE-5934805	hypothetical protein LOC779521 [Source:Jamboree;Acc:XB-GENE-5934805]
ENSXETG00000022934	XB-GENE-5992704	uncharacterized protein LOC100216141 [Source:RefSeq peptide;Acc:NP_001135588]
ENSXETG00000029085	XTR-LET-7E-2	xtr-let-7e-2 [Source:miRBase;Acc:MI0004909]
ENSXETG00000020303	ZBTB7C	zinc finger and BTB domain containing 7C [Source:Jamboree;Acc:XB-GENE-954049]

List of Downregulated genes within 50 kb from regions that became Demethylated between NF stage 50 and 66

Ensembl ID	Gene ID	Description
ENSXETG00000009279	ACTA2	actin, alpha 2, smooth muscle, aorta [Source:Jamboree;Acc:XB-GENE-493937]
ENSXETG00000007584	BAZ2B	bromodomain adjacent to zinc finger domain, 2B [Source:Jamboree;Acc:XB-GENE-964622]
ENSXETG00000020410	CACHD1	cache domain containing 1 [Source:Jamboree;Acc:XB-GENE-1010398]
ENSXETG00000000740	CARD9	caspase recruitment domain family, member 9 [Source:Jamboree;Acc:XB-GENE-986414]
ENSXETG00000022904	CRK	v-crk sarcoma virus CT10 oncogene homolog [Source:Jamboree;Acc:XB-GENE-996357]
ENSXETG00000014346	DHRS13	dehydrogenase/reductase (SDR family) member 13 [Source:Jamboree;Acc:XB-GENE-1006231]
ENSXETG00000004436	E2F8	E2F transcription factor 8 [Source:Jamboree;Acc:XB-GENE-1219148]
ENSXETG00000009545	EBNA1BP2	EBNA1 binding protein 2 [Source:Jamboree;Acc:XB-GENE-998147]
ENSXETG00000012144	FAM83D	family with sequence similarity 83, member D [Source:Jamboree;Acc:XB-GENE-964363]
ENSXETG00000017830	FBL	fibrillarin [Source:Jamboree;Acc:XB-GENE-970225]
ENSXETG00000021500	HAUS1	HAUS augmin-like complex, subunit 1 [Source:Jamboree;Acc:XB-GENE-962939]
ENSXETG00000012120	JMJD8	jumonji domain containing 8 [Source:Jamboree;Acc:XB-GENE-6070939]
ENSXETG00000018551	LBR	lamin B receptor [Source:Jamboree;Acc:XB-GENE-979300]
ENSXETG00000018013	LRRC58	leucine rich repeat containing 58 [Source:Jamboree;Acc:XB-GENE-963289]
ENSXETG00000012868	MCM9	minichromosome maintenance complex component 9 [Source:Jamboree;Acc:XB-GENE-949288]
ENSXETG00000000839	MKI67IP	MKI67 (FHA domain) interacting nucleolar phosphoprotein [Source:Jamboree;Acc:XB-GENE-940532]
ENSXETG00000020828	MRTO4	mRNA turnover 4 homolog [Source:Jamboree;Acc:XB-GENE-948010]
ENSXETG00000025505	MYL9	myosin, light chain 9, regulatory [Source:Jamboree;Acc:XB-GENE-5949813]
ENSXETG00000019103	N/A	N/A
ENSXETG00000019594	N/A	N/A
XLOC_003040	N/A	N/A
XLOC_006303	N/A	N/A
XLOC_030156	N/A	N/A

ENSXETG00000000757	NOTCH1	notch 1 [Source:Jamboree;Acc:XB-GENE-479318]
ENSXETG00000009264	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2 [Source:Jamboree;Acc:XB-GENE-986763]
ENSXETG00000026876	PLEC	plectin [Source:Jamboree;Acc:XB-GENE-6459396]
ENSXETG00000007726	PLP2	proteolipid protein 2 (colonic epithelium-enriched) [Source:Jamboree;Acc:XB-GENE-1015503]
ENSXETG00000020670	PPP4C	protein phosphatase 4, catalytic subunit [Source:Jamboree;Acc:XB-GENE-970535]
ENSXETG00000020729	RAB13	RAB13, member RAS oncogene family [Source:Jamboree;Acc:XB-GENE-6070728]
ENSXETG00000005323	REST	RE1-silencing transcription factor [Source:Jamboree;Acc:XB-GENE-955466]
ENSXETG00000016747	RGL3	ral guanine nucleotide dissociation stimulator-like 3 [Source:Jamboree;Acc:XB-GENE-493046]
ENSXETG00000024454	RTN2	reticulon 2 [Source:Jamboree;Acc:XB-GENE-941644]
ENSXETG00000020354	SCAP	SREBF chaperone [Source:Jamboree;Acc:XB-GENE-996521]
ENSXETG00000004424	SCUBE2	signal peptide, CUB domain, EGF-like 2 [Source:Jamboree;Acc:XB-GENE-5945055]
ENSXETG00000018767	SLC25A3	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3 [Source:Jamboree;Acc:XB-GENE-489634]
ENSXETG00000017312	TGIF2	TGFB-induced factor homeobox 2 [Source:Jamboree;Acc:XB-GENE-876497]
ENSXETG00000005842	VANGL2	vang-like 2 [Source:Jamboree;Acc:XB-GENE-973460]
ENSXETG00000019578	VAV2	vav 2 guanine nucleotide exchange factor [Source:Jamboree;Acc:XB-GENE-6067166]
ENSXETG00000026767	XB-GENE-5854345	hypothetical protein LOC100145486 [Source:Jamboree;Acc:XB-GENE-5854345]
ENSXETG00000021701	XB-GENE-971646	Putative ortholog of dNA replication licensing factor MCM3 (DNA polymerase alpha holoenzyme-associated protein P1) (RLF beta subunit) (P102 protein) (P1-MCM3), 1 of 1 [Source:Jamboree;Acc:XB-GENE-971646]
ENSXETG00000013336	ZC3H15	zinc finger CCCH-type containing 15 [Source:Jamboree;Acc:XB-GENE-5800360]
ENSXETG00000019457	ZHX3	zinc fingers and homeoboxes 3 [Source:Jamboree;Acc:XB-GENE-853511]

List of Upregulated genes within 50 kb from regions that became Demethylated between NF stage 56 and 66

Ensembl ID	Gene ID	Description
ENSXETG00000004357	ATRN	attractin [Source:Jamboree;Acc:XB-GENE-953934]
ENSXETG00000017979	AVP	arginine vasopressin [Source:Jamboree;Acc:XB-GENE-478869]
ENSXETG00000000667	DAB2IP	DAB2 interacting protein [Source:HGNC Symbol;Acc:HGNC:17294]
ENSXETG00000008421	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2 [Source:Jamboree;Acc:XB-GENE-1000398]
ENSXETG00000026517	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa) [Source:Jamboree;Acc:XB-GENE-976598]
ENSXETG00000007482	MSMB.3	microseminoprotein, beta-, gene 3 [Source:Jamboree;Acc:XB-GENE-1018396]
ENSXETG00000009502	N/A	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6Q683]
ENSXETG00000028382	N/A	N/A
XLOC_013790	N/A	N/A
ENSXETG00000024397	NR1D1	nuclear receptor subfamily 1, group D, member 1 [Source:Jamboree;Acc:XB-GENE-478094]
ENSXETG00000011726	NTRK2	neurotrophic tyrosine kinase, receptor, type 2 [Source:Jamboree;Acc:XB-GENE-922932]
ENSXETG00000009137	PPL	periplakin [Source:Jamboree;Acc:XB-GENE-1008954]
ENSXETG00000000068	PRDM15	PR domain containing 15 [Source:Jamboree;Acc:XB-GENE-1013930]
ENSXETG00000022412	RBM46	probable RNA-binding protein 46 [Source:RefSeq peptide;Acc:NP_001072501]
ENSXETG00000014442	RD3	retinal degeneration 3 [Source:Jamboree;Acc:XB-GENE-1002200]
ENSXETG00000000198	TRERF1	transcriptional regulating factor 1 [Source:Jamboree;Acc:XB-GENE-940630]
ENSXETG00000027055	UMODL1	uromodulin-like 1 [Source:Jamboree;Acc:XB-GENE-5965241]

List of Downregulated genes within 50 kb from regions that became Demethylated between NF stage 56 and 66

Ensembl ID	Gene ID	Description
XLOC_013001	N/A	N/A
ENSXETG00000009264	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2 [Source:Jamboree;Acc:XB-GENE-986763]
ENSXETG00000017989	RNF24	ring finger protein 24 [Source:Jamboree;Acc:XB-GENE-944529]

List of Upregulated genes within 50 kb from regions that became Methylated between NF stage 50 and 66

Ensembl ID	Gene ID	Description
ENSXETG00000020553	BCAS3	breast carcinoma amplified sequence 3 [Source:Jamboree;Acc:XB-GENE-6050317]
ENSXETG00000016572	DLX5	distal-less homeobox 5 [Source:Jamboree;Acc:XB-GENE-853057]
ENSXETG00000022429	FAM101B	family with sequence similarity 101, member B [Source:Jamboree;Acc:XB-GENE-962746]
ENSXETG00000009348	GPR133	G protein-coupled receptor 133 [Source:Jamboree;Acc:XB-GENE-980829]
XLOC_021022	N/A	N/A
XLOC_025964	N/A	N/A
ENSXETG00000022432	VPS53	vacuolar protein sorting 53 homolog [Source:Jamboree;Acc:XB-GENE-1011610]

List of Downregulated genes within 50 kb from regions that became Methylated between NF stage 50 and 66

Ensembl ID	Gene ID	Description
ENSXETG00000007394	C10ORF140	chromosome 10 open reading frame 140 [Source:Jamboree;Acc:XB-GENE-976606]
ENSXETG00000014474	FGF8	fibroblast growth factor 8 (androgen-induced) [Source:Jamboree;Acc:XB-GENE-480983]
ENSXETG00000012653	IRX2	iroquois homeobox 2 [Source:Jamboree;Acc:XB-GENE-480618]
ENSXETG00000000742	LMX1B.1	LIM homeobox transcription factor 1, beta, gene 1 [Source:Jamboree;Acc:XB-GENE-494750]
ENSXETG00000000549	MED4	mediator complex subunit 4 [Source:Jamboree;Acc:XB-GENE-972352]
ENSXETG00000007391	MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 10 [Source:Jamboree;Acc:XB-GENE-6408100]
ENSXETG00000018867	N/A	N/A
XLOC_004427	N/A	N/A
ENSXETG00000009396	RPS3A	ribosomal protein S3A [Source:Jamboree;Acc:XB-GENE-976731]
ENSXETG00000015569	SMC6	structural maintenance of chromosomes 6 [Source:Jamboree;Acc:XB-GENE-6071284]
ENSXETG00000007384	SPAG6	sperm associated antigen 6 [Source:Jamboree;Acc:XB-GENE-942175]
ENSXETG00000020557	TBX2	T-box 2 [Source:Jamboree;Acc:XB-GENE-1018115]
ENSXETG00000004021	UNCX	UNC homeobox [Source:Jamboree;Acc:XB-GENE-920201]

List of Upregulated genes within 50 kb from regions that became Methylated between NF stage 56 and 66

Ensembl ID	Gene ID	Description
XLOC_021022	N/A	N/A
XLOC_025964	N/A	N/A
ENSXETG00000016599	NEBL	nebulette [Source:Jamboree;Acc:XB-GENE-492269]
ENSXETG00000012264	PDE2A	phosphodiesterase 2A, cGMP-stimulated [Source:Jamboree;Acc:XB-GENE-5945995]

List of Downregulated genes within 50 kb from regions that became Methylated between NF stage 56 and 66

Ensembl ID	Gene ID	Description
ENSXETG00000016836	ATP13A4	ATPase type 13A4 [Source:Jamboree;Acc:XB-GENE-978090]
ENSXETG00000007394	C10ORF140	chromosome 10 open reading frame 140 [Source:Jamboree;Acc:XB-GENE-976606]
ENSXETG00000001833	KIAA0922	KIAA0922 [Source:Jamboree;Acc:XB-GENE-983404]
ENSXETG00000004021	UNCX	UNC homeobox [Source:Jamboree;Acc:XB-GENE-920201]