

Sample	Total Reads	% Uniquely Mapped	Non-Zero FPKMs
Pre-Cetux_Patient1	73,637,010	76.2	22,027
Post-Cetux_Patient1	85,593,958	74.3	23,081
Pre-Cetux_Patient2	82,439,705	72.8	25,287
Post-Cetux_Patient2	108,845,855	67.3	27,069

For Peer Review

	<i>tracking_id</i>	<i>gene_id</i>	<i>gene_short_name</i>	<i>locus</i>
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3	ENSG00000202252	ENSG00000202252	SNORD14C	11:122930042-122930130
4	ENSG00000207118	ENSG00000207118	SNORD14D	11:122929616-122929703
5	ENSG00000199673	ENSG00000199673	SNORD16	15:66795149-66795248
6	ENSG00000220988	ENSG00000220988	SNORD88C	19:51305584-51305675
7	ENSG00000207218	ENSG00000207218	Y_RNA	2:42084410-42084512
8	ENSG00000207631	ENSG00000207631	MIR641	19:40788449-40788548
9	ENSG00000171209	ENSG00000171209	CSN3	4:71108304-71117145
10	ENSG00000266083	ENSG00000266083	AC138965.1	5:175362211-175362304
11	ENSG00000202533	ENSG00000202533	Y_RNA	5:131803838-131803949
12	ENSG00000201990	ENSG00000201990	Y_RNA	7:6043913-6044016
13	ENSG00000206813	ENSG00000206813	Y_RNA	22:42143315-42143417
14	ENSG00000200834	ENSG00000200834	Y_RNA	9:33830975-33831076
15	ENSG00000137731	ENSG00000137731	FXVD2	11:117671558-117699413
16	ENSG00000224078	ENSG00000224078	SNHG14	15:25295778-25492435
17	ENSG00000206805	ENSG00000206805	Y_RNA	17:46556458-46556560
18	ENSG00000201555	ENSG00000201555	Y_RNA	6:31746593-31746682
19	ENSG00000239087	ENSG00000239087	snoU13	18:9277976-9278077
20	ENSG00000200259	ENSG00000200259	SNORD35A	19:49994431-49994517
21	ENSG00000199677	ENSG00000199677	Y_RNA	5:132328790-132328892
22	ENSG00000202014	ENSG00000202014	Y_RNA	4:48155450-48155552
23	ENSG00000212304	ENSG00000212304	SNORD12	20:47897219-47897309
24	ENSG00000222881	ENSG00000222881	Y_RNA	17:38547483-38547590
25	ENSG00000270168	ENSG00000270168	LA16c-380H5.4	16:3051300-3052017
26	ENSG00000212541	ENSG00000212541	RNU6-510P	1:38457133-38457241
27	ENSG00000201678	ENSG00000201678	Y_RNA	12:49321721-49321816
28	ENSG00000239128	ENSG00000239128	snoU13	3:47292012-47292116
29	ENSG00000199994	ENSG00000199994	RNA5SP145	3:150905885-150906010
30	ENSG00000202172	ENSG00000202172	RNU6-1327P	9:558825-558930
31	ENSG00000207105	ENSG00000207105	Y_RNA	15:49288108-49288219
32	ENSG00000221184	ENSG00000221184	MIR1254-1	10:70519074-70519171
33	ENSG00000208308	ENSG00000208308	SNORA40	2:135894197-135894325
34	ENSG00000238585	ENSG00000238585	Y_RNA	4:56367761-56367875
35	ENSG00000238339	ENSG00000238339	snoU13	2:179990262-179990364
36	ENSG00000207001	ENSG00000207001	SNORD116-2	15:25299356-25299451
37	ENSG00000199875	ENSG00000199875	Y_RNA	11:93452768-93452881
38	ENSG00000155660	ENSG00000155660	PDIA4	7:148700153-148725733
39	ENSG00000170265	ENSG00000170265	ZNF282	7:148892576-148923339
40	ENSG00000211655	ENSG00000211655	IGLV1-36	22:22786295-22786802
41	ENSG00000212293	ENSG00000212293	SNORA16	13:32994526-32994653
42	ENSG00000202182	ENSG00000202182	Y_RNA	14:64314978-64315080
43	ENSG00000238723	ENSG00000238723	Y_RNA	17:44292435-44292537
44	ENSG00000106615	ENSG00000106615	RHEB	7:151163097-151217206
45	ENSG00000252534	ENSG00000252534	Y_RNA	17:58826300-58826407
46	ENSG00000206634	ENSG00000206634	SNORA22	7:65220512-65220646
47	ENSG00000139144	ENSG00000139144	PIK3C2G	12:18400547-18801348
48	ENSG00000111404	ENSG00000111404	RERGL	12:18233802-18473041
49	ENSG00000207380	ENSG00000207380	Y_RNA	20:5945183-5945296
50	ENSG00000221803	ENSG00000221803	SNORD23	19:48259109-48259219
51	ENSG00000252577	ENSG00000252577	SCARNA20	17:58308876-58309007
52	ENSG00000207360	ENSG00000207360	RNU6-14P	9:15776178-15776284
53	ENSG00000265573	ENSG00000265573	AC004943.1	16:72821591-72821672
54	ENSG00000223188	ENSG00000223188	Y_RNA	9:132883084-132883191
55	ENSG00000211953	ENSG00000211953	IGHV3-30	14:106791004-106791536

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2	ENSG00000200629	ENSG00000200629	Y_RNA	7:128804689-128804802
3	ENSG00000106462	ENSG00000106462	EZH2	7:148504474-148581413
4	ENSG00000207231	ENSG00000207231	Y_RNA	4:186337126-186337240
5	ENSG00000211973	ENSG00000211973	IGHV1-69	14:107169930-107170428
6	ENSG00000207833	ENSG00000207833	D86998.1	22:23134976-23135071
7	ENSG00000126583	ENSG00000126583	PRKCG	19:54382443-54410906
8	ENSG00000251950	ENSG00000251950	RMRPP4	10:52345309-52345463
9	ENSG00000211968	ENSG00000211968	IGHV1-58	14:107078372-107078869
10	ENSG00000132821	ENSG00000132821	VSTM2L	20:36531498-36573752
11	ENSG00000100884	ENSG00000100884	CPNE6	14:24540045-24547309
12	ENSG00000167513	ENSG00000167513	CDT1	16:88869620-88875666
13	ENSG00000252965	ENSG00000252965	Y_RNA	3:125247087-125247193
14	ENSG00000213189	ENSG00000213189	BTF3L4P2	2:159860286-159861065
15	ENSG00000211933	ENSG00000211933	IGHV6-1	14:106405610-106406108
16	ENSG00000206698	ENSG00000206698	RNU1-73P	5:96511653-96511817
17	ENSG00000137965	ENSG00000137965	IFI44	1:79115480-79129763
18	ENSG00000130702	ENSG00000130702	LAMA5	20:60883010-60942368
19	ENSG00000211637	ENSG00000211637	IGLV4-69	22:22385331-22385870
20	ENSG00000160932	ENSG00000160932	LY6E	8:144099398-144105249
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22	ENSG00000252892	ENSG00000252892	RNU6-548P	2:65221879-65221994
23	ENSG00000176919	ENSG00000176919	C8G	9:139839697-139841426
24	ENSG00000241959	ENSG00000241959	RN7SL76P	7:151161737-151162024
25	ENSG00000214401	ENSG00000214401	KANSL1-AS1	17:44270941-44274089
26	ENSG00000255072	ENSG00000255072	PIGY	4:89442723-89442940
27	ENSG00000206622	ENSG00000206622	SNORA69	X:118921315-118921447
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29	ENSG00000241939	ENSG00000241939	RN7SL517P	3:43356442-43356745
30	ENSG00000104313	ENSG00000104313	EYA1	8:72109667-72274467
31	ENSG00000252464	ENSG00000252464	RN7SKP70	5:178046728-178046999
32	ENSG00000170421	ENSG00000170421	KRT8	12:53290976-53343738
33	ENSG00000266274	ENSG00000266274	RN7SL138P	17:29286582-29286867
34	ENSG00000184613	ENSG00000184613	NELL2	12:44902057-45315631
35	ENSG00000206817	ENSG00000206817	Y_RNA	1:91727181-91727281
36	ENSG00000234604	ENSG00000234604	RP1-206D15.5	1:169443297-169443397
37	ENSG00000212371	ENSG00000212371	SNORA46	14:77932626-77932779
38	ENSG00000255198	ENSG00000255198	SNHG9	16:2014959-2015510
39	ENSG00000207418	ENSG00000207418	RNVU1-7	1:145969269-145969433
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43	ENSG00000130208	ENSG00000130208	APOC1	19:45417503-45422606
44	ENSG00000267701	ENSG00000267701	RP11-28F1.2	18:60981034-60981315
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46	ENSG00000187244	ENSG00000187244	BCAM	19:45312327-45324673
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53	ENSG00000244232	ENSG00000244232	RN7SL698P	3:128503989-128504288
54	ENSG00000199461	ENSG00000199461	Y_RNA	14:21147569-21147671

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4	ENSG00000206768	ENSG00000206768	Y_RNA	14:69610568-69610670
5	ENSG00000251792	ENSG00000251792	Y_RNA	14:50553699-50553801
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7	ENSG00000201221	ENSG00000201221	RNU4-40P	20:34475580-34475723
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12	ENSG00000211619	ENSG00000211619	IGKV2-40	2:89629872-89630186
13	ENSG00000063180	ENSG00000063180	CA11	19:49141198-49149569
14	ENSG00000126709	ENSG00000126709	IFI6	1:27992571-27998729
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16	ENSG00000160013	ENSG00000160013	PTGIR	19:47123724-47128375
17	ENSG00000231795	ENSG00000231795	ITCH-IT1	20:33038734-33042357
18	ENSG00000184348	ENSG00000184348	HIST1H2AK	6:27805657-27806117
19	ENSG00000196155	ENSG00000196155	PLEKHG4	16:67311412-67323402
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21	ENSG00000225210	ENSG00000225210	AL589743.1	14:19650017-19718563
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23	ENSG00000137959	ENSG00000137959	IFI44L	1:79085606-79111830
24	ENSG00000236360	ENSG00000236360	RP11-334A14.2	1:53458867-53459374
25	ENSG00000257221	ENSG00000257221	RP11-689B22.2	12:109022462-109035094
26	ENSG00000257084	ENSG00000257084	U47924.27	12:7072408-7073610
27	ENSG00000170835	ENSG00000170835	CEL	9:135937364-135947248
28	ENSG00000125966	ENSG00000125966	MMP24	20:33814456-33864801
29	ENSG00000160957	ENSG00000160957	RECQL4	8:145736666-145743229
30	ENSG00000169896	ENSG00000169896	ITGAM	16:31271310-31344213
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34	ENSG00000255960	ENSG00000255960	RP11-459D22.1	12:18577596-18578074
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36	ENSG00000206702	ENSG00000206702	RNU1-11P	6:13214287-13214451
37	ENSG00000160200	ENSG00000160200	CBS	21:44473300-44497053
38	ENSG00000269971	ENSG00000269971	RP3-426I6.5	1:28100368-28100552
39	ENSG00000211951	ENSG00000211951	IGHV2-26	14:106757649-106758116
40	ENSG00000115523	ENSG00000115523	GNLY	2:85912297-85925977
41	ENSG00000126337	ENSG00000126337	KRT36	17:39642387-39648798
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43	ENSG00000055130	ENSG00000055130	CUL1	7:148395005-148498128
44	ENSG00000126562	ENSG00000126562	WNK4	17:40932695-40948954
45	ENSG00000200597	ENSG00000200597	RNU1-87P	6:37883348-37883518
46	ENSG00000198353	ENSG00000198353	HOXC4	12:54410714-54449813
47	ENSG00000253320	ENSG00000253320	KB-1507C5.2	8:103876527-103990104
48	ENSG00000211967	ENSG00000211967	IGHV3-53	14:107048671-107049341
49	ENSG00000266236	ENSG00000266236	NARF-IT1	17:80439973-80441264
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51	ENSG00000101003	ENSG00000101003	GINS1	20:25388362-25433264
52	ENSG00000132613	ENSG00000132613	MTSS1L	16:70695106-70719969
53	ENSG00000212978	ENSG00000212978	AC016747.3	2:61368731-61372104
54	ENSG00000211517	ENSG00000211517	MIR671	7:150935506-150935624

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4	ENSG00000251748	ENSG00000251748	RNU4ATAC11P	9:33868537-33868663
5	ENSG00000172915	ENSG00000172915	NBEA	13:35516423-36247159
6	ENSG00000187608	ENSG00000187608	ISG15	1:948802-949920
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8	ENSG00000250989	ENSG00000250989	RP11-392E22.5	9:38543100-38543443
9	ENSG00000267742	ENSG00000267742	FAM60CP	18:57684009-57684673
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13	ENSG00000100162	ENSG00000100162	CENPM	22:42334724-42343168
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16	ENSG00000225546	ENSG00000225546	RP11-328J2.1	7:119344609-119547429
17	ENSG00000132640	ENSG00000132640	BTBD3	20:11871370-11907257
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19	ENSG00000273035	ENSG00000273035	RP11-449G16.1	2:39550468-39550945
20	ENSG00000119705	ENSG00000119705	SLIRP	14:78174413-78227447
21	ENSG00000232134	ENSG00000232134	RPS15AP12	1:220317305-220317693
22	ENSG00000270048	ENSG00000270048	RP11-214K3.22	12:124447101-124447364
23	ENSG00000199631	ENSG00000199631	SNORD33	19:49993871-49993956
24	ENSG00000251733	ENSG00000251733	SCARNA8	9:19063653-19063784
25	ENSG00000247572	ENSG00000247572	CKMT2-AS1	5:80499902-80597379
26	ENSG00000236876	ENSG00000236876	TMSB4XP1	1:42965875-42966067
27	ENSG00000267274	ENSG00000267274	CTD-2006C1.12	19:12050773-12064196
28	ENSG00000115041	ENSG00000115041	KCNIP3	2:95963051-96051825
29	ENSG00000104723	ENSG00000104723	TUSC3	8:15274723-15624158
30	ENSG00000266490	ENSG00000266490	CTD-2349P21.9	17:29119389-29119851
31	ENSG00000089505	ENSG00000089505	CMTM1	16:66600293-66613040
32	ENSG00000265033	ENSG00000265033	RN7SL262P	X:49008985-49009277
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34	ENSG00000270097	ENSG00000270097	LA16c-380H5.3	16:3049902-3050390
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36	ENSG00000254285	ENSG00000254285	KRT8P3	8:62490778-62492230
37	ENSG00000254783	ENSG00000254783	RP11-320L11.2	11:85994968-85995710
38	ENSG00000201598	ENSG00000201598	RNU6-219P	18:56472499-56472606
39	ENSG00000206875	ENSG00000206875	RNU6-761P	6:41986145-41986252
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41	ENSG00000207417	ENSG00000207417	Y_RNA	8:75288921-75289028
42	ENSG00000259264	ENSG00000259264	RP11-60L3.1	15:74495045-74513896
43	ENSG00000121753	ENSG00000121753	BAI2	1:32192717-32230494
44	ENSG00000185345	ENSG00000185345	PARK2	6:161768451-163148803
45	ENSG00000171604	ENSG00000171604	CXXC5	5:139026883-139063467
46	ENSG00000172164	ENSG00000172164	SNTB1	8:121547984-121825513
47	ENSG00000235354	ENSG00000235354	CTA-276O3.4	7:102989047-102989218
48	ENSG00000064201	ENSG00000064201	TSPAN32	11:2323226-2339430
49	ENSG00000233901	ENSG00000233901	RP11-65J3.1	9:132094578-132121817
50	ENSG00000158555	ENSG00000158555	GDPD5	11:75145684-75236948
51	ENSG00000261567	ENSG00000261567	RP11-680G10.1	16:85391068-85393055
52	ENSG00000132530	ENSG00000132530	XAF1	17:6658765-6678966
53	ENSG00000143320	ENSG00000143320	CRABP2	1:156669397-156675608
54	ENSG00000134291	ENSG00000134291	TMEM106C	12:48357351-48362661

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2	ENSG00000242894	ENSG00000242894	RN7SL634P	14:104479978-104480268
3	ENSG00000273160	ENSG00000273160	RP11-104L21.3	1:167426978-167429128
4	ENSG00000157601	ENSG00000157601	MX1	21:42792230-42831141
5	ENSG00000259005	ENSG00000259005	RP3-449M8.6	14:74940709-74941567
6	ENSG00000184916	ENSG00000184916	JAG2	14:105607317-105635161
7	ENSG00000126088	ENSG00000126088	UROD	1:45477818-45481247
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9	ENSG00000147889	ENSG00000147889	CDKN2A	9:21967750-21995300
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11	ENSG00000207116	ENSG00000207116	RNU6-31P	2:201694731-201694839
12	ENSG00000272113	ENSG00000272113	Y_RNA	9:32820248-32820356
13	ENSG00000101057	ENSG00000101057	MYBL2	20:42295753-42345136
14	ENSG00000186185	ENSG00000186185	KIF18B	17:43002076-43025082
15	ENSG00000232437	ENSG00000232437	RP11-487I5.4	10:76884974-76885620
16	ENSG00000272578	ENSG00000272578	AP000347.2	22:24000280-24059543
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18	ENSG00000259772	ENSG00000259772	RP11-16E12.2	15:31514201-31523041
19	ENSG00000143847	ENSG00000143847	PPFIA4	1:202995625-203047868
20	ENSG00000079462	ENSG00000079462	PAFAH1B3	19:42801184-42807698
21	ENSG00000229387	ENSG00000229387	AC103801.2	11:22646859-22647369
22	ENSG00000101457	ENSG00000101457	DNTTIP1	20:44420575-44440066
23	ENSG00000131931	ENSG00000131931	THAP1	8:42691816-42698468
24	ENSG00000126432	ENSG00000126432	PRDX5	11:64085559-64089283
25	ENSG00000211598	ENSG00000211598	IGKV4-1	2:89184912-89185669
26	ENSG00000141642	ENSG00000141642	ELAC1	18:48494360-48514491
27	ENSG00000240602	ENSG00000240602	RP11-64D22.2	3:151488215-151502682
28	ENSG00000130584	ENSG00000130584	ZBTB46	20:62375018-62462597
29	ENSG00000240979	ENSG00000240979	RP11-79D8.2	9:82340983-82341236
30	ENSG00000254979	ENSG00000254979	RP11-872D17.8	11:57154837-57191532
31	ENSG00000213339	ENSG00000213339	QTRT1	19:10812105-10824113
32	ENSG00000199936	ENSG00000199936	Y_RNA	2:85687266-85687375
33	ENSG00000262152	ENSG00000262152	LINC00514	16:3038961-3044510
34	ENSG00000235363	ENSG00000235363	SNRPGP10	1:205320374-205320599
35	ENSG00000250645	ENSG00000250645	CTD-2228K2.1	5:418817-419224
36	ENSG00000107736	ENSG00000107736	CDH23	10:73156690-73575702
37	ENSG00000226045	ENSG00000226045	AC009274.6	7:130330094-130330464
38	ENSG00000061656	ENSG00000061656	SPAG4	20:34203813-34208971
39	ENSG00000256586	ENSG00000256586	AC091171.1	8:21960467-21961890
40	ENSG00000103404	ENSG00000103404	USP31	16:23072726-23160591
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42	ENSG00000229372	ENSG00000229372	SZT2-AS1	1:43913446-43914315
43	ENSG00000196890	ENSG00000196890	HIST3H2BB	1:228645807-228646259
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45	ENSG00000229808	ENSG00000229808	RP11-456P18.2	1:161860622-161861986
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47	ENSG00000141646	ENSG00000141646	SMAD4	18:48494409-48611415
48	ENSG00000230398	ENSG00000230398	AC026882.1	3:2403941-2404422
49	ENSG00000174939	ENSG00000174939	ASPHD1	16:29911695-29931185
50	ENSG00000166407	ENSG00000166407	LMO1	11:8245850-8290263
51	ENSG00000229754	ENSG00000229754	CXCR2P1	2:218923877-218930452
52	ENSG00000105278	ENSG00000105278	ZFR2	19:3804021-3869030
53	ENSG00000177694	ENSG00000177694	NAALADL2	3:174156362-175523428
54	ENSG00000239783	ENSG00000239783	RP5-1050K3.3	20:45700503-45700875

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8	ENSG00000155363	ENSG00000155363	MOV10	1:113215762-113243368
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15	ENSG00000110076	ENSG00000110076	NRXN2	11:64373645-64490660
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20	ENSG00000149636	ENSG00000149636	DSN1	20:35380193-35402221
21	ENSG00000250151	ENSG00000250151	ARPC4-TTLL3	3:9834765-9877085
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23	ENSG00000187231	ENSG00000187231	SESTD1	2:179966418-180129517
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25	ENSG00000268403	ENSG00000268403	AC132192.1	11:9481746-9482010
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27	ENSG00000272666	ENSG00000272666	CTA-384D8.35	22:50980733-50981335
28	ENSG00000148219	ENSG00000148219	ASTN2	9:119187503-120177348
29	ENSG00000225591	ENSG00000225591	RP11-360D2.2	1:173710812-173711067
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36	ENSG00000235734	ENSG00000235734	HMGN1P36	2:98443710-98444013
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38	ENSG00000185453	ENSG00000185453	C19orf68	19:48673948-48700877
39	ENSG00000207835	ENSG00000207835	D87015.1	22:23101184-23101279
40	ENSG00000253132	ENSG00000253132	IGHV3-62	14:107099144-107099588
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48	ENSG00000167755	ENSG00000167755	KLK6	19:51461886-51472929
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52	ENSG00000115616	ENSG00000115616	SLC9A2	2:103236165-103327777
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24	ENSG00000133392	ENSG00000133392	MYH11	16:15797028-15950890
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27	ENSG00000271573	ENSG00000271573	RP11-96C23.12	10:88786940-88787234
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32	ENSG00000159516	ENSG00000159516	SPRR2G	1:153122057-153123345
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34	ENSG00000153234	ENSG00000153234	NR4A2	2:157180943-157198860
35	ENSG00000255122	ENSG00000255122	RP11-303G3.6	8:12437795-12438572
36	ENSG00000129451	ENSG00000129451	KLK10	19:51515994-51523431
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52	ENSG00000175121	ENSG00000175121	WFDC5	20:43738092-43743813
53	ENSG00000136688	ENSG00000136688	IL36G	2:113730779-113743242
54	ENSG00000161249	ENSG00000161249	DMKN	19:35988121-36004560

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5	ENSG00000218459	ENSG00000218459	RPS27P15	6:74328068-74328320
6	ENSG00000249908	ENSG00000249908	CTD-2589H19.4	5:767511-769046
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9	ENSG00000216813	ENSG00000216813	RP11-812I20.2	6:47530357-47530754
10	ENSG00000204421	ENSG00000204421	LY6G6C	6:31686424-31689622
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23	ENSG00000273221	ENSG00000273221	RP5-1180E21.5	1:111727036-111727683
24	ENSG00000238712	ENSG00000238712	snoU13	16:21900887-21900991
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28	ENSG00000197632	ENSG00000197632	SERPINB2	18:61538925-61571124
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30	ENSG00000211952	ENSG00000211952	IGHV4-28	14:106780512-106781017
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32	ENSG00000201643	ENSG00000201643	SNORA14A	7:75573099-75573234
33	ENSG00000261864	ENSG00000261864	RP11-67A1.2	16:68111242-68156174
34	ENSG00000255824	ENSG00000255824	AL590369.1	9:132500628-132501902
35	ENSG00000164530	ENSG00000164530	PI16	6:36922208-36932613
36	ENSG00000232195	ENSG00000232195	TOMM22P2	Y:2696022-2696259
37	ENSG00000225193	ENSG00000225193	RPS12P26	15:90749803-90750199
38	ENSG00000248350	ENSG00000248350	CTC-470E21.1	5:111699152-111699363
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46	ENSG00000201862	ENSG00000201862	Y_RNA	7:72453890-72453991
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19	ENSG00000163202	ENSG00000163202	LCE3D	1:152551856-152552980
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21	ENSG00000207016	ENSG00000207016	SNORA36C	2:69747174-69747306
22	ENSG00000090104	ENSG00000090104	RGS1	1:192544856-192549161
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27	ENSG00000120738	ENSG00000120738	EGR1	5:137801178-137805004
28	ENSG00000241413	ENSG00000241413	RN7SL441P	12:110304020-110304314
29	ENSG00000214318	ENSG00000214318	ATP5G1P6	18:61164221-61164633
30	ENSG00000207258	ENSG00000207258	Y_RNA	8:38601537-38601649
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34	ENSG00000206172	ENSG00000206172	HBA1	16:226678-227521
35	ENSG00000269989	ENSG00000269989	RP11-635N19.3	18:61152833-61153251
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44	ENSG00000252134	ENSG00000252134	Y_RNA	1:171783651-171783766
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52	ENSG00000211530	ENSG00000211530	AL354933.1	6:72294791-72294904
53	ENSG00000210678	ENSG00000210678	RNU6ATAC2P	5:55593390-55593516
54	ENSG00000200075	ENSG00000200075	SNORA25	8:130880835-130880962

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4	ENSG00000201451	ENSG00000201451	Y_RNA	9:136204564-136204661
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7	ENSG00000215853	ENSG00000215853	RPTN	1:152126070-152131704
8	ENSG00000252660	ENSG00000252660	Y_RNA	12:63329480-63329582
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23	ENSG00000211679	ENSG00000211679	IGLC3	22:23248511-23248973
24	ENSG00000211937	ENSG00000211937	IGHV2-5	14:106494134-106494597
25	ENSG00000211660	ENSG00000211660	IGLV2-23	22:23040273-23040892
26	ENSG00000088340	ENSG00000088340	FER1L4	20:34146506-34195484
27	ENSG00000211649	ENSG00000211649	IGLV7-46	22:22723981-22724454
28	ENSG00000232216	ENSG00000232216	IGHV3-43	14:106926187-106926724
29	ENSG00000240382	ENSG00000240382	IGKV1-17	2:89416832-89417335
30	ENSG00000211933	ENSG00000211933	IGHV6-1	14:106405610-106406108
31	ENSG00000241755	ENSG00000241755	IGKV1-9	2:89309478-89310012
32	ENSG00000241351	ENSG00000241351	IGKV3-11	2:89326667-89327228
33	ENSG00000223648	ENSG00000223648	IGHV3-64	14:107113740-107114274
34	ENSG00000143297	ENSG00000143297	FCRL5	1:157483166-157522310
35	ENSG00000257053	ENSG00000257053	Z98941.1	12:121586812-121586912
36	ENSG00000211619	ENSG00000211619	IGKV2-40	2:89629872-89630186
37	ENSG00000200769	ENSG00000200769	Y_RNA	7:91831556-91831648
38	ENSG00000170476	ENSG00000170476	MZB1	5:138723168-138725770
39	ENSG00000211899	ENSG00000211899	IGHM	14:106320348-106322323
40	ENSG00000211966	ENSG00000211966	IGHV5-51	14:107034728-107035221
41	ENSG00000224650	ENSG00000224650	IGHV3-74	14:107218675-107219365
42	ENSG00000211650	ENSG00000211650	IGLV5-45	22:22730354-22730874
43	ENSG00000211956	ENSG00000211956	IGHV4-34	14:106829593-106830076
44	ENSG00000200742	ENSG00000200742	Y_RNA	14:56118251-56118352
45	ENSG00000201535	ENSG00000201535	Y_RNA	11:118706718-118706819
46	ENSG00000206865	ENSG00000206865	Y_RNA	18:54420456-54420557
47	ENSG00000206693	ENSG00000206693	SNORA56	X:154003272-154003401
48	ENSG00000211663	ENSG00000211663	IGLV3-19	22:23063107-23063630
49	ENSG00000211950	ENSG00000211950	IGHV1-24	14:106733143-106733639
50	ENSG00000133048	ENSG00000133048	CHI3L1	1:203148058-203155877
51	ENSG00000239951	ENSG00000239951	IGKV3-20	2:89442056-89442643
52	ENSG00000254709	ENSG00000254709	IGLL5	22:23229959-23238287
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54	ENSG00000156738	ENSG00000156738	MS4A1	11:60223224-60238233

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4	ENSG00000207387	ENSG00000207387	Y_RNA	12:71300696-71300798
5	ENSG00000211640	ENSG00000211640	IGLV6-57	22:22550112-22550860
6	ENSG00000211685	ENSG00000211685	IGLC7	22:23264765-23265203
7	ENSG00000243238	ENSG00000243238	IGKV2-30	2:89544263-89545079
8	ENSG00000211935	ENSG00000211935	IGHV1-3	14:106471245-106471723
9	ENSG00000259261	ENSG00000259261	IGHV4OR15-8	15:22472917-22473353
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14	ENSG00000222168	ENSG00000222168	Y_RNA	1:59187950-59188044
15	ENSG00000211669	ENSG00000211669	IGLV3-10	22:23154243-23154782
16	ENSG00000211941	ENSG00000211941	IGHV3-11	14:106573232-106573800
17	ENSG00000224373	ENSG00000224373	IGHV4-59	14:107081805-107083830
18	ENSG00000211946	ENSG00000211946	IGHV3-20	14:106667580-106668095
19	ENSG00000253364	ENSG00000253364	RP11-731F5.2	14:106110832-106115394
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23	ENSG00000207454	ENSG00000207454	RNU6-1104P	7:100913218-100913322
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25	ENSG00000211967	ENSG00000211967	IGHV3-53	14:107048671-107049341
26	ENSG00000200510	ENSG00000200510	RNY4P2	17:41084864-41084959
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28	ENSG00000221439	ENSG00000221439	RNU4ATAC16P	12:890298-890424
29	ENSG00000211970	ENSG00000211970	IGHV4-61	14:107095125-107095662
30	ENSG00000227195	ENSG00000227195	MIR663A	20:26167555-26232162
31	ENSG00000211659	ENSG00000211659	IGLV3-25	22:23029189-23029735
32	ENSG00000211648	ENSG00000211648	IGLV1-47	22:22712086-22712608
33	ENSG00000207627	ENSG00000207627	MIR581	5:53247333-53247429
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35	ENSG00000100985	ENSG00000100985	MMP9	20:44637546-44645200
36	ENSG00000211964	ENSG00000211964	IGHV3-48	14:106993813-106994346
37	ENSG00000211965	ENSG00000211965	IGHV3-49	14:107012937-107013477
38	ENSG00000211655	ENSG00000211655	IGLV1-36	22:22786295-22786802
39	ENSG00000099958	ENSG00000099958	DERL3	22:24176689-24181315
40	ENSG00000243063	ENSG00000243063	IGKV3-7	2:89277986-89278600
41	ENSG00000211938	ENSG00000211938	IGHV3-7	14:106518399-106518932
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45	ENSG00000136573	ENSG00000136573	BLK	8:11351509-11422113
46	ENSG00000206762	ENSG00000206762	RNU6-418P	1:205564168-205564275
47	ENSG00000207334	ENSG00000207334	RNU6-12P	8:119988751-119988858
48	ENSG00000211962	ENSG00000211962	IGHV1-46	14:106967048-106967788
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50	ENSG00000211951	ENSG00000211951	IGHV2-26	14:106757649-106758116
51	ENSG00000211895	ENSG00000211895	IGHA1	14:106173456-106175002
52	ENSG00000243264	ENSG00000243264	IGKV2D-29	2:89986321-89987079
53	ENSG00000211644	ENSG00000211644	IGLV1-51	22:22676827-22677336
54	ENSG00000225698	ENSG00000225698	IGHV3-72	14:107198931-107199471

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8	ENSG00000207009	ENSG00000207009	Y_RNA	4:1685146-1685256
9	ENSG00000207568	ENSG00000207568	MIR203	14:104583741-104583851
10	ENSG00000253755	ENSG00000253755	IGHGP	14:106130969-106136180
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16	ENSG00000179869	ENSG00000179869	ABCA13	7:48211054-48687092
17	ENSG00000254056	ENSG00000254056	IGHV3-71	14:107183395-107183857
18	ENSG00000211972	ENSG00000211972	IGHV3-66	14:107131032-107131560
19	ENSG00000199980	ENSG00000199980	Y_RNA	14:35402649-35402749
20	ENSG00000200118	ENSG00000200118	Y_RNA	3:169962569-169962669
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22	ENSG00000006074	ENSG00000006074	CCL18	17:34391639-34399392
23	ENSG00000211598	ENSG00000211598	IGKV4-1	2:89184912-89185669
24	ENSG00000240864	ENSG00000240864	IGKV1-16	2:89399351-89399854
25	ENSG00000211942	ENSG00000211942	IGHV3-13	14:106586136-106586667
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27	ENSG00000240671	ENSG00000240671	IGKV1-8	2:89291927-89292450
28	ENSG00000066923	ENSG00000066923	STAG3	7:99775185-99819111
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31	ENSG00000201584	ENSG00000201584	Y_RNA	2:121798185-121798286
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33	ENSG00000110777	ENSG00000110777	POU2AF1	11:111222976-111326355
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35	ENSG00000144218	ENSG00000144218	AFF3	2:100162322-100759201
36	ENSG00000273047	ENSG00000273047	RP4-583P15.14	20:62369622-62371751
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38	ENSG00000241244	ENSG00000241244	IGKV1D-16	2:90139077-90139580
39	ENSG00000200629	ENSG00000200629	Y_RNA	7:128804689-128804802
40	ENSG00000201217	ENSG00000201217	Y_RNA	3:152167060-152167173
41	ENSG00000201933	ENSG00000201933	Y_RNA	7:43136330-43136443
42	ENSG00000207426	ENSG00000207426	Y_RNA	X:95956505-95956618
43	ENSG00000148219	ENSG00000148219	ASTN2	9:119187503-120177348
44	ENSG00000074370	ENSG00000074370	ATP2A3	17:3827168-3867736
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46	ENSG00000206998	ENSG00000206998	Y_RNA	20:42079798-42079900
47	ENSG00000207061	ENSG00000207061	Y_RNA	7:155978815-155978917
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6	ENSG00000200084	ENSG00000200084	SNORD68	16:89627841-89627925
7	ENSG00000207340	ENSG00000207340	RNVU1-10	1:147834501-147834665
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10	ENSG00000132704	ENSG00000132704	FCRL2	1:157715522-157746922
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18	ENSG00000239024	ENSG00000239024	snoU13	17:2558972-2559076
19	ENSG00000239080	ENSG00000239080	snoU13	X:135216475-135216579
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21	ENSG00000196074	ENSG00000196074	SYCP2	20:58438617-58508710
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24	ENSG00000072818	ENSG00000072818	ACAP1	17:7239847-7254797
25	ENSG00000156234	ENSG00000156234	CXCL13	4:78432906-78532988
26	ENSG00000273444	ENSG00000273444	RP5-1147A1.2	7:40146886-40147053
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28	ENSG00000211664	ENSG00000211664	IGLV2-18	22:23077094-23077584
29	ENSG00000160200	ENSG00000160200	CBS	21:44473300-44497053
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33	ENSG00000269404	ENSG00000269404	SPIB	19:50922194-50934570
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38	ENSG00000260655	ENSG00000260655	CTA-250D10.23	22:42318026-42319104
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52	ENSG00000146094	ENSG00000146094	DOK3	5:176928907-176938275
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6	ENSG00000200840	ENSG00000200840	RNU6-82P	13:28806637-28806744
7	ENSG00000201044	ENSG00000201044	RNU6-268P	2:231616855-231616962
8	ENSG00000206921	ENSG00000206921	RNU6-481P	1:161371078-161371185
9	ENSG00000207367	ENSG00000207367	RNU6-29P	X:48635379-48635486
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21	ENSG00000207116	ENSG00000207116	RNU6-31P	2:201694731-201694839
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23	ENSG00000212348	ENSG00000212348	RNU6-1300P	8:74960911-74961019
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27	ENSG00000142102	ENSG00000142102	ATHL1	11:289134-296107
28	ENSG00000011422	ENSG00000011422	PLAUR	19:44150246-44174699
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33	ENSG00000104894	ENSG00000104894	CD37	19:49838427-49846592
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37	ENSG00000025434	ENSG00000025434	NR1H3	11:47269850-47290396
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11	ENSG00000252217	ENSG00000252217	Y_RNA	15:65795078-65795174
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13	ENSG00000135373	ENSG00000135373	EHF	11:34642639-34682604
14	ENSG00000134909	ENSG00000134909	ARHGAP32	11:128834954-129149219
15	ENSG00000151715	ENSG00000151715	TMEM45B	11:129685713-129729898
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17	ENSG00000143367	ENSG00000143367	TUFT1	1:151512780-151556059
18	ENSG00000138722	ENSG00000138722	MMRN1	4:90800682-90875780
19	ENSG00000237975	ENSG00000237975	FLG-AS1	1:152140600-152339163
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21	ENSG00000119986	ENSG00000119986	AVPI1	10:99437180-99447080
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24	ENSG00000168672	ENSG00000168672	FAM84B	8:127564686-127570638
25	ENSG00000108179	ENSG00000108179	PPIF	10:81107224-81115093
26	ENSG00000221926	ENSG00000221926	TRIM16	17:15531273-15587625
27	ENSG00000163472	ENSG00000163472	TMEM79	1:156252725-156262976
28	ENSG00000070081	ENSG00000070081	NUCB2	11:17229699-17371521
29	ENSG00000201812	ENSG00000201812	RNA5SP488	21:15443191-15443307
30	ENSG00000099204	ENSG00000099204	ABLIM1	10:116190871-116444762
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33	ENSG00000100292	ENSG00000100292	HMOX1	22:35776353-35790207
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35	ENSG00000168243	ENSG00000168243	GNG4	1:235710986-235814054
36	ENSG00000167880	ENSG00000167880	EVPL	17:74000582-74023533
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46	ENSG00000213639	ENSG00000213639	PPP1CB	2:28974505-29025806
47	ENSG00000134760	ENSG00000134760	DSG1	18:28898051-28936992
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49	ENSG00000074416	ENSG00000074416	MGLL	3:127407908-127542051
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51	ENSG00000175866	ENSG00000175866	BAIAP2	17:79008947-79091232
52	ENSG00000181061	ENSG00000181061	HIGD1A	3:42798668-42846023
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13	ENSG00000084733	ENSG00000084733	RAB10	2:26256975-26360323
14	ENSG00000101084	ENSG00000101084	C20orf24	20:35234136-35240960
15	ENSG00000199313	ENSG00000199313	RNU4-82P	9:127649688-127649828
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19	ENSG00000207217	ENSG00000207217	SNORA42	7:6056507-6056642
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21	ENSG00000131981	ENSG00000131981	LGALS3	14:55590827-55612126
22	ENSG00000202103	ENSG00000202103	RNU4-12P	6:86702738-86702877
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24	ENSG00000202141	ENSG00000202141	Y_RNA	2:183887586-183887699
25	ENSG00000206719	ENSG00000206719	Y_RNA	8:114963114-114963227
26	ENSG00000207207	ENSG00000207207	Y_RNA	2:85661629-85661742
27	ENSG00000222629	ENSG00000222629	RNU2-42P	10:127579134-127579247
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30	ENSG00000006555	ENSG00000006555	TTC22	1:55245384-55266940
31	ENSG00000133985	ENSG00000133985	TTC9	14:71108503-71142077
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33	ENSG00000141579	ENSG00000141579	ZNF750	17:80787310-80798454
34	ENSG00000141429	ENSG00000141429	GALNT1	18:33161080-33291798
35	ENSG00000226145	ENSG00000226145	AC022596.6	17:16721296-16725893
36	ENSG00000129455	ENSG00000129455	KLK8	19:51499262-51505967
37	ENSG00000188373	ENSG00000188373	C10orf99	10:85933493-85945050
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19	ENSG00000268307	ENSG00000268307	CTD-2619J13.13	19:58911587-58912046
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23	ENSG00000207404	ENSG00000207404	Y_RNA	5:108227137-108227247
24	ENSG00000136002	ENSG00000136002	ARHGEF4	2:131594488-131804836
25	ENSG00000165949	ENSG00000165949	IFI27	14:94571181-94583033
26	ENSG00000154227	ENSG00000154227	CERS3	15:100940599-101085200
27	ENSG00000065618	ENSG00000065618	COL17A1	10:105791043-105845760
28	ENSG00000143845	ENSG00000143845	ETNK2	1:204100189-204121307
29	ENSG00000188460	ENSG00000188460	ACTBP11	1:224051427-224052553
30	ENSG00000205413	ENSG00000205413	SAMD9	7:92728828-92747336
31	ENSG00000183347	ENSG00000183347	GBP6	1:89829616-89852020
32	ENSG00000099139	ENSG00000099139	PCSK5	9:78505559-78977255
33	ENSG00000147689	ENSG00000147689	FAM83A	8:124191199-124222314
34	ENSG00000202357	ENSG00000202357	Y_RNA	19:11519447-11519556
35	ENSG00000207643	ENSG00000207643	Z95704.1	4:65016-65125
36	ENSG00000207344	ENSG00000207344	SNORA22	7:64526376-64526510
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38	ENSG00000167644	ENSG00000167644	C19orf33	19:38794800-38795649
39	ENSG00000125813	ENSG00000125813	PAX1	20:21686296-21696620
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21	ENSG00000200575	ENSG00000200575	RNU6-414P	1:62282090-62282194
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33	ENSG00000016602	ENSG00000016602	CLCA4	1:87012760-87046437
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35	ENSG00000139433	ENSG00000139433	GLTP	12:110288747-110318293
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37	ENSG00000134324	ENSG00000134324	LPIN1	2:11817720-11967535
38	ENSG00000252549	ENSG00000252549	RNU6-759P	20:34235249-34235352
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41	ENSG00000165795	ENSG00000165795	NDRG2	14:21484921-21539031
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For Peer Review

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For Peer Review

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For Peer Review

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For Peer Review

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For Peer Review

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For Peer Review

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For Peer Review

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For Peer Review

	B cell Naïve	B cells memory	CD8 T cells	CD4 naïve	CD4 memory resting
Pre-Cetux_Patient1	0.155	0.254	0.043	0	0.15
Post-Cetux_Patient1	0	0.266	0.098	0	0.121
Pre-Cetux_Patient2	0.002	0.162	0.061	0	0.202
Post-Cetux_Patient2	0.006	0.032	0.208	0	0.145

For Peer Review

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CD4 memory activated	T cell follicular helper	T cells regulatory
0	0.112	0
0	0.083	0.064
0	0.034	0
0	0.049	0.02

For Peer Review

<i>Sample Comparison</i>	<i>Gene set</i>
Post/Pre_cetux_Pat_1	HALLMARK_INTERFERON_ALPHA_RESPONSE
Post/Pre_cetux_Pat_1	GO_KERATINIZATION
Post/Pre_cetux_Pat_2	GO_LYMPHOCYTE_MEDIATED_IMMUNITY
Post/Pre_cetux_Pat_2	GO_KERATINIZATION
Post/Pre_cetux_Pat_2	GO_OXIDATIVE_PHOSPHORYLATION

For Peer Review

	<i>Correlation</i>	<i>SIZE</i>	<i>ES</i>	<i>NES</i>	<i>NOM p-val</i>	<i>FDR q-val</i>	<i>FWER p-val</i>
1							
2							
3	Positive	95	0.80972	1.691167	0	0.007258853	0.007
4	Negative	223	-0.69949	-1.89077	0	0.009255893	0.024
5	Positive	332	0.728598	1.893657	0	0	0
6	Negative	223	-0.85418	-2.18648	0	0	0
7							
8	Negative	119	-0.7244	-1.74211	0	0.0238672	0.177
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For Peer Review