

**Supplementary Table S2: Common and Unique DEGs between all the groups (W = controls, M = Mild / moderate, S = Severe)**

n = 3 control, n = 5 Mild / moderate and n = 4 severe, Log FC and p values.

Names	total	elements	WvsM_LogFc	WvsM_Pvalue	WvsS_Logf	WvsS_Pval	MvsS_LogF	MvsS_Pvalue
MvsS & WvsM & WvsS	3	Dcn	-1.122255827	0.025538812	-2.60768	0.000469	-1.48543	0.020862
MvsS & WvsM & WvsS		Itgb2l	2.432957058	0.005277979	4.070386	1.21E-05	1.63743	0.006357
MvsS & WvsM & WvsS		Ly6g	1.536867766	2.40277E-05	3.105436	5.77E-08	1.568568	0.00017
WvsM & WvsS	85	Mmp8	1.905720729	0.003439058	2.496569	6.78E-06	0.590846	0.197972
WvsM & WvsS		Slc16a7	-1.147430498	0.031547203	-1.42884	0.012722	-0.28141	0.606169
WvsM & WvsS		Dhrs13os	2.432957018	0.006443194	2.870362	0.002861	0.437406	0.420609
WvsM & WvsS		Arl6	-1.584961977	0.044372245	-2.16992	0.011177	-0.58496	0.504381
WvsM & WvsS		Havcr2	1.765533851	0.001076488	2.402098	0.000316	0.636564	0.195704
WvsM & WvsS		Ceacam10	1.991961775	9.1268E-05	1.305809	0.040343	-0.68615	0.166049
WvsM & WvsS		Cd83	2.311089862	3.22463E-10	2.191482	0.00045	-0.11961	0.805159
WvsM & WvsS		Ptprb	-1.765534563	0.001147635	-1.76553	0.017574	5.42E-07	0.999999
WvsM & WvsS		Socs1	1.346289491	9.83446E-05	1.319069	0.010593	-0.02722	0.945484
WvsM & WvsS		Cstdc4	1.463701904	0.002311186	1.31213	0.022485	-0.15157	0.762355
WvsM & WvsS		Tfec	2.294252281	4.86687E-07	1.672426	0.010602	-0.62183	0.192864
WvsM & WvsS		Cbr3	1.102569079	0.041767698	1.52686	0.037258	0.42429	0.442967
WvsM & WvsS		Cish	2.561691915	1.35094E-08	3.075532	2.59E-07	0.51384	0.186523
WvsM & WvsS		Hsd3b6	-3.233699188	0.000880191	-3.98705	0.002592	-0.75336	0.196965
WvsM & WvsS		Slc27a3	-1.298844344	0.042450592	-1.46234	0.043412	-0.1635	0.821008
WvsM & WvsS		Sult1a1	-1.331709151	0.001587658	-1.37656	0.037585	-0.04485	0.938815
WvsM & WvsS		Rgs1	2.327989193	2.23105E-09	2.77444	0.000163	0.446451	0.436146
WvsM & WvsS		Olfml2b	2.183598105	0.00537859	2.421463	0.00357	0.237864	0.659467
WvsM & WvsS		Slc7a2	3.070386518	0.000502866	2.794414	0.003459	-0.27597	0.605074
WvsM & WvsS		Gpr65	1.300855305	0.000746906	1.105385	0.040358	-0.19547	0.670469
WvsM & WvsS		Cx3cr1	-2.395928351	6.75158E-05	-2.29218	0.00074	0.103749	0.873362
WvsM & WvsS		Cpa3	-2.196396495	0.001497012	-1.55254	0.036256	0.643856	0.414595
WvsM & WvsS		Fpr1	1.160900858	0.00631435	1.390835	0.006869	0.229933	0.57047
WvsM & WvsS		Bcl6b	-2.736964041	0.000610713	-1.52195	0.040005	1.215012	0.170933
WvsM & WvsS		Cd200r3	-1.029416592	0.005488658	-1.97377	0.000237	-0.94435	0.050749
WvsM & WvsS		Dtna	-1.277534028	0.00481041	-1.37941	0.030818	-0.10188	0.842675
WvsM & WvsS		Naip6	-1.544320557	0.000204879	-1.55254	0.009446	-0.00822	0.988216
WvsM & WvsS		Kcnk13	1.813229904	0.021187861	2.754886	0.001364	0.941656	0.113433
WvsM & WvsS		Pkib	1.649251126	7.34162E-06	1.914177	0.003508	0.264926	0.608799
WvsM & WvsS		S100a8	1.48846358	0.022127589	1.680183	0.004381	0.191716	0.70796
WvsM & WvsS		Retnlg	1.368471355	0.000106554	2.260448	2.01E-06	0.891976	0.039515
WvsM & WvsS		H2-Q10	-1.361456486	0.001034316	-1.45456	0.022955	-0.09311	0.867674
WvsM & WvsS		Ptgs2	1.476026864	0.040426807	1.797956	0.02045	0.321929	0.59378
WvsM & WvsS		Gpr141b	1.015940918	0.048698911	1.688056	0.012819	0.672115	0.205726
WvsM & WvsS		Tnip3	1.673316919	0.015535943	2.348262	0.000194	0.674944	0.184539
WvsM & WvsS		S100a9	1.178548282	0.005544843	1.357602	0.021411	0.179052	0.723462
WvsM & WvsS		Mrc1	4.596929511	1.0805E-06	3.938598	4.13E-07	-0.65833	0.264404
WvsM & WvsS		Wfdc21	1.462848119	0.001908551	1.842761	0.001158	0.379912	0.466784
WvsM & WvsS		Efhc1	-2.453171065	0.003858197	-1.76867	0.034228	0.684498	0.472825
WvsM & WvsS		Krt13	-1.736965626	0.000382173	-1.17585	0.048464	0.561116	0.179035
WvsM & WvsS		Cyp11a1	-2.888967475	5.49417E-05	-1.6495	0.026702	1.239465	0.142987
WvsM & WvsS		Cyp2ab1	-2.222391934	0.000238582	-1.41504	0.027287	0.807355	0.238526
WvsM & WvsS		Crispld2	1.124159624	0.021433814	2.00399	0.004004	0.879829	0.095349
WvsM & WvsS		Ttbk1	-1.778785334	0.009965038	-1.63743	0.034082	0.141356	0.856596
WvsM & WvsS		Tarm1	2.289701288	2.12498E-06	1.752493	0.004053	-0.53721	0.26145
WvsM & WvsS		Rhov	1.622929579	0.002738763	1.632268	0.017192	0.009338	0.984137
WvsM & WvsS		Ccr3	-1.533712498	0.000163941	-1.78294	0.001135	-0.24923	0.576494
WvsM & WvsS		Lcn2	1.222103247	0.007329959	1.979041	0.000292	0.756937	0.109725
WvsM & WvsS		Echdc2	2.51095913	0.008325716	2.044392	0.044726	-0.46657	0.464555
WvsM & WvsS		Zfp185	-1.342106042	0.006626001	-1.46948	0.02524	-0.12738	0.797288
WvsM & WvsS		Mirt2	1.211808476	0.003305069	1.331959	0.042938	0.12015	0.819502
WvsM & WvsS		Gadd45g	1.867896022	3.69955E-07	2.321928	1.85E-05	0.454032	0.221003
WvsM & WvsS		Lum	-1.560087358	0.034196031	-1.61667	0.048455	-0.05658	0.943951

WvsM & WvsS	Kcna4	-1.13632164	0.006301548	-1.45095	0.025728	-0.31463	0.517831
WvsM & WvsS	Epas1	-1.263511491	0.002481925	-1.26781	0.028949	-0.0043	0.992576
WvsM & WvsS	Nr3c2	-1.736965426	0.002143353	-2	0.002956	-0.26303	0.68143
WvsM & WvsS	Crip3	-1.79585861	0.018923345	-1.73696	0.046203	0.058894	0.946045
WvsM & WvsS	Mapk13	1.075948367	0.013486051	1.294373	0.024868	0.218424	0.588192
WvsM & WvsS	Fbln2	-1.415037179	0.04422743	-2	0.018359	-0.58496	0.483186
WvsM & WvsS	Stx3	-1.338801982	0.000810312	-1.15948	0.033707	0.179324	0.692006
WvsM & WvsS	Gpt2	1.73696438	0.011610262	2.807354	0.000612	1.070389	0.0541
WvsM & WvsS	Bcl9l	-1.424375469	0.002648592	-1.17941	0.039865	0.244967	0.641505
WvsM & WvsS	Zc2hc1a	-1.736964925	0.026163219	-2	0.025038	-0.26303	0.76756
WvsM & WvsS	Osm	1.102569445	0.000230731	1.069486	0.018849	-0.03308	0.925839
WvsM & WvsS	Fabp4	-1.232923176	0.006173957	-1.28951	0.0219	-0.05658	0.915439
WvsM & WvsS	Gpr68	-1.155191467	0.001159553	-1.58735	0.009379	-0.43216	0.411694
WvsM & WvsS	Inhba	2.519371594	0.002686001	1.874469	0.030736	-0.6449	0.32293
WvsM & WvsS	Saa3	2.754883702	0.00855288	3.672422	0.00015	0.917538	0.30915
WvsM & WvsS	Rcn3	-1.189477829	0.024988781	-1.65604	0.008055	-0.46657	0.447625
WvsM & WvsS	Echdc3	-1.560087343	0.036108341	-1.9386	0.025891	-0.37851	0.668132
WvsM & WvsS	Cav1	-1.486157461	0.004049268	-1.58953	0.012317	-0.10338	0.867997
WvsM & WvsS	TdGF1	2.625602884	0.000155361	3.491852	4.56E-06	0.866249	0.039642
WvsM & WvsS	Smoc2	-1.058893761	0.01955822	-1.2422	0.040625	-0.18331	0.738135
WvsM & WvsS	Fcer1a	-2.115475025	0.037709121	-2.11547	0.048816	2.9E-16	1
WvsM & WvsS	Apol7a	-1.139064041	0.034588181	-1.62449	0.024287	-0.48543	0.450623
WvsM & WvsS	Inafm1	-1.068171618	0.008643129	-0.98162	0.047686	0.08655	0.853369
WvsM & WvsS	Alox15	-1.706591844	0.003276702	-1.35491	0.047039	0.351676	0.492905
WvsM & WvsS	Ms4a2	-3.691160398	6.80169E-08	-4.36923	1.8E-06	-0.67807	0.53682
WvsM & WvsS	Wwtr1	-2.258411593	5.78902E-06	-2.56672	0.000193	-0.30831	0.491708
WvsM & WvsS	Apoe	-1.277411475	0.000274075	-1.93019	0.002608	-0.65278	0.18272
WvsM & WvsS	Flt3	-1.994762941	0.002372548	-1.49596	0.032388	0.498806	0.464394
WvsM & WvsS	Fmn12	1.182691861	0.002012583	1.847997	0.000348	0.665305	0.110648
WvsM & WvsS	Fmo2	-2.03464566	0.003503656	-2.12775	0.00572	-0.09311	0.89602
WvsM & WvsS	Cyp27a1	-1.611434612	0.006886659	-1.28951	0.026661	0.321929	0.612292
WvsM & WvsS	Cpne4	-1.349304619	0.004470066	-1.88536	0.001553	-0.53605	0.26988
MvsS & WvsM	43 Dna2	-1.184424673	0.001011746	0.164573	0.782183	1.348997	0.002875
MvsS & WvsM	Stxbp6	-1.40681682	0.029699933	-0.08489	0.896539	1.321928	0.024782
MvsS & WvsM	Ap3m1-ps	1.584961436	0.014038651	0.523562	0.508609	-1.0614	0.048136
MvsS & WvsM	Hsp90ab1	-1.162845454	0.003660753	0.538637	0.599206	1.701477	0.002129
MvsS & WvsM	Gna15	-1.011140631	0.025828959	0.074348	0.90662	1.085488	0.044634
MvsS & WvsM	Lrp1	-1.840801471	1.15889E-06	-0.03614	0.970187	1.804661	0.001444
MvsS & WvsM	Slc38a7	-1.180572313	0.027773327	0.082463	0.894369	1.263035	0.031206
MvsS & WvsM	Batf3	1.891064401	0.003956057	0.212994	0.808938	-1.67807	0.008703
MvsS & WvsM	Depp1	-1.874468535	0.0102533	-0.28951	0.712037	1.584962	0.035906
MvsS & WvsM	Mfsd4b3-p	-1.736964678	0.03869294	0.321929	0.658111	2.058893	0.00596
MvsS & WvsM	Cbfa2t3	-1.251538825	0.004801342	0.157853	0.791426	1.409391	0.005684
MvsS & WvsM	Pltp	-1.204091617	0.024408004	-0.03889	0.953189	1.165203	0.043979
MvsS & WvsM	Ear2	-1.157808807	0.02011492	0.187204	0.764486	1.345012	0.01431
MvsS & WvsM	Ildr1	-1.814967669	0.008285969	-0.37756	0.600512	1.437405	0.033454
MvsS & WvsM	Zfyve9	-1.692296544	0.000703214	-0.46113	0.478606	1.231163	0.03228
MvsS & WvsM	Matn4	3.632261669	0.002876067	0.999998	0.422782	-2.63226	0.028579
MvsS & WvsM	Wdr86	-1.774439976	0.004694884	-0.30812	0.642984	1.466318	0.022234
MvsS & WvsM	Ffar2	3.70928776	4.52907E-06	0.963474	0.350979	-2.74581	1.4E-05
MvsS & WvsM	Cyp2d22	-1.257797656	0.047296014	8.47E-07	0.999999	1.257798	0.046295
MvsS & WvsM	Sulf2	-1.180572307	0.009620209	0.097414	0.881196	1.277985	0.020232
MvsS & WvsM	Ephx2	2.432956249	0.02025798	5.18E-16	1	-2.43296	0.008643
MvsS & WvsM	Apba1	-2.573465248	0.002199963	-0.0145	0.983125	2.558966	0.001067
MvsS & WvsM	Egr1	-1.669850611	0.046288842	-0.1635	0.823866	1.506352	0.039224
MvsS & WvsM	P2ry14	-1.813316431	2.57345E-05	-0.47579	0.494667	1.337525	0.023699
MvsS & WvsM	Lpl	1.674459258	0.01097904	0.43296	0.532744	-1.2415	0.049635
MvsS & WvsM	Tifab	-1.745139515	0.000951981	-0.01845	0.98521	1.726683	0.003936
MvsS & WvsM	Maneal	-1.498805688	0.011936404	0.027481	0.962813	1.526286	0.00734

MvsS & WvsM	Grk3	-1.631996078	1.2883E-05	-0.40149	0.522131	1.230505	0.025502
MvsS & WvsM	Ace	-2.215012804	6.33647E-07	-0.02331	0.973194	2.191705	0.000201
MvsS & WvsM	Pde2a	-1.736965142	0.014893896	-0.01065	0.988933	1.726318	0.01291
MvsS & WvsM	Uba52-ps	1.163497986	0.046900072	8.15E-07	0.999999	-1.1635	0.044131
MvsS & WvsM	Tbc1d9	-1.260527585	0.014540353	-0.08062	0.895223	1.179909	0.03443
MvsS & WvsM	Olfm1	-1.489037831	0.02356941	-0.12963	0.843436	1.359403	0.029354
MvsS & WvsM	Rnd3	-2.833180222	1.15949E-05	-1.19931	0.091252	1.633872	0.003289
MvsS & WvsM	Nckap5l	-1.654503148	0.018449091	-0.47275	0.453506	1.18175	0.044613
MvsS & WvsM	Chpt1	1.579977987	0.004343043	0.281571	0.606052	-1.29841	0.017482
MvsS & WvsM	Arhgef10l	-1.621488376	0.000519823	-0.16206	0.763779	1.459432	0.00091
MvsS & WvsM	Naip5	-1.687383561	0.001260161	-0.57491	0.39523	1.112475	0.049174
MvsS & WvsM	Pid1	-2.877236311	0.000869305	-1.42892	0.228881	1.448306	0.018752
MvsS & WvsM	Egr2	1.333422748	0.047986321	-0.03652	0.968603	-1.36995	0.039274
MvsS & WvsM	Arhgef37	-1.702903818	0.000278375	-0.2744	0.78383	1.4285	0.008878
MvsS & WvsM	Kcnma1	2.070386755	0.037261614	0.392317	0.741608	-1.67807	0.039263
MvsS & WvsM	Ticam2	-1.736965322	0.006830846	-0.35845	0.588774	1.378512	0.030193
MvsS & WvsS	81 Itm2a	0.432958841	0.344896512	1.456908	0.025736	1.023948	0.01905
MvsS & WvsS	Ryr2	-0.666576362	0.323632744	1.738768	0.023693	2.405344	0.000345
MvsS & WvsS	Cd55os	-0.374921469	0.31984244	-1.63428	0.004174	-1.25936	0.010092
MvsS & WvsS	Cyp2s1	-0.331709376	0.451780008	-1.45456	0.022191	-1.12286	0.027531
MvsS & WvsS	Tigit	-0.736965556	0.36188028	1.887525	0.007371	2.62449	4.68E-05
MvsS & WvsS	Ret	-0.251538686	0.830230828	2.51096	0.010283	2.762499	0.000848
MvsS & WvsS	Slc9c1	-0.793549225	0.243185489	-3.11547	0.002036	-2.32193	0.013442
MvsS & WvsS	Gpr174	-0.131064062	0.693880707	-1.43628	0.00525	-1.30522	0.001733
MvsS & WvsS	Postn	0.056583082	0.93458228	2	0.006667	1.943416	0.001205
MvsS & WvsS	Scn4a	0.475084245	0.376058177	2.296458	0.001033	1.821373	0.023239
MvsS & WvsS	Acat3	0.38856468	0.59084155	1.880418	0.019144	1.491853	0.017772
MvsS & WvsS	Cr2	-0.295360001	0.327794475	-1.91779	0.001795	-1.62243	0.001521
MvsS & WvsS	Dapl1	-0.177843319	0.595745334	-1.44088	0.01663	-1.26303	0.006513
MvsS & WvsS	Sycp2	0.731124911	0.103444535	-1.0132	0.037883	-1.74432	7.69E-05
MvsS & WvsS	Gbp11	0.589534828	0.155582606	2.418254	1.84E-05	1.828719	9.77E-05
MvsS & WvsS	Ptpn22	-0.282818022	0.121548353	1.101276	0.041363	1.384093	0.000941
MvsS & WvsS	Vmn2r84	-0.096150088	0.746188498	-1.44703	0.003169	-1.35088	0.000263
MvsS & WvsS	Ctla2a	-0.304301907	0.40700283	-1.30699	0.017946	-1.00269	0.02424
MvsS & WvsS	Isoc2b	0.143449334	0.921136861	-2.87446	0.021847	-3.01792	0.012882
MvsS & WvsS	Rhou	0.246914346	0.599217544	1.568843	0.01461	1.321928	0.005191
MvsS & WvsS	Tafa3	0.163498187	0.818916935	2.017922	0.003288	1.854423	0.000345
MvsS & WvsS	Hspg2	-0.736965811	0.25485894	-2.25634	0.003386	-1.51937	0.042549
MvsS & WvsS	Aldh1b1	0.743026745	0.192907417	2.037475	0.002999	1.294447	0.012522
MvsS & WvsS	Celsr3	0.460480155	0.216740903	1.485427	0.018791	1.024947	0.036349
MvsS & WvsS	Ncr1	-0.264897408	0.462917234	-1.39523	0.009816	-1.13033	0.005401
MvsS & WvsS	Crybg1	-0.166217143	0.53403105	1.310569	0.018315	1.476786	0.000832
MvsS & WvsS	Cd14	1.051176687	0.154696599	2.284375	0.000269	1.233196	0.00492
MvsS & WvsS	Ccm2l	0.4694847	0.476901253	1.63941	0.021467	1.169925	0.027583
MvsS & WvsS	Fkbp5	0.395152237	0.296117287	1.864654	0.001739	1.469501	0.003346
MvsS & WvsS	Plaur	0.819427304	0.028492292	1.855052	0.001977	1.035624	0.036552
MvsS & WvsS	Raet1d	0.963472464	0.381907184	2.491851	0.01364	1.528379	0.034638
MvsS & WvsS	Angpt1	-0.286952373	0.42350925	-1.30871	0.014665	-1.02176	0.00823
MvsS & WvsS	Lhfpl3	-0.169925291	0.710845088	-1.52607	0.028838	-1.35614	0.01019
MvsS & WvsS	Rundc3b	0.33482465	0.443923575	1.944668	0.000754	1.609842	0.001201
MvsS & WvsS	Bcl2l15	1.321926723	0.116200642	2.614708	0.005922	1.292782	0.048713
MvsS & WvsS	Krt83	-0.621488337	0.49723173	1.523562	0.044019	2.14505	0.001886
MvsS & WvsS	Coq4	0.362569522	0.585616506	2.135159	0.002077	1.772589	0.00106
MvsS & WvsS	Rps6ka2	0.622929981	0.117528034	1.897241	0.001872	1.27431	0.010562
MvsS & WvsS	Mt1	0.979240206	0.262077493	2.584961	0.000878	1.605721	0.004192
MvsS & WvsS	Arap2	0.294480777	0.312344891	1.307164	0.023015	1.012682	0.028573
MvsS & WvsS	Tamalin	-0.271302296	0.657753046	-2	0.022023	-1.7287	0.026388
MvsS & WvsS	Map2	-0.336427974	0.60322189	1.464668	0.024405	1.801096	0.002146
MvsS & WvsS	Crisp3	-0.123989022	0.845224003	-1.91754	0.039523	-1.79355	0.027829

MvsS & WvsS	Ifi208	-0.035533917	0.918347901	-1.20635	0.027956	-1.17082	0.008844
MvsS & WvsS	Rdh12	0.892442919	0.044716098	2.382613	1.5E-05	1.490169	0.001877
MvsS & WvsS	Ets2	0.114995727	0.765060036	1.15496	0.042119	1.039963	0.021282
MvsS & WvsS	Abca13	0.363637847	0.437064047	1.612746	0.005347	1.249108	0.012693
MvsS & WvsS	Il1r2	1.133827653	0.131729796	2.180981	0.000489	1.047151	0.03325
MvsS & WvsS	Zfp229	-0.261232435	0.560903958	-1.32757	0.033831	-1.06634	0.034341
MvsS & WvsS	Eya2	0.130930547	0.774161456	-1.92961	0.006599	-2.06054	0.000758
MvsS & WvsS	Ifi214	-0.065291925	0.871512804	-1.22772	0.035605	-1.16243	0.009691
MvsS & WvsS	Tert	-0.180572636	0.762591512	-1.69514	0.042606	-1.51457	0.022388
MvsS & WvsS	Sema5a	-0.596103407	0.424852851	-2.70044	0.000701	-2.10433	0.013215
MvsS & WvsS	Kynu	-0.227016892	0.654461133	-1.52284	0.016854	-1.29582	0.028245
MvsS & WvsS	Lifr	0.745513515	0.044916727	2.38878	0.000271	1.643266	0.002028
MvsS & WvsS	Adpgk	0.120278521	0.614641878	1.445954	0.005257	1.325675	0.000835
MvsS & WvsS	Per1	-0.314433825	0.426524373	1.57491	0.017823	1.889343	0.000782
MvsS & WvsS	Nucb2	-0.169281313	0.675345561	1.044395	0.042615	1.213675	0.004116
MvsS & WvsS	Lsamp	-0.736965726	0.211788776	-2.19931	0.006794	-1.46234	0.046288
MvsS & WvsS	Acod1	0.472129365	0.346167646	1.97917	0.003313	1.50704	0.001183
MvsS & WvsS	Fras1	-0.24392587	0.665723406	-1.58496	0.041062	-1.34104	0.046617
MvsS & WvsS	Vipr2	0.941104699	0.370890177	3.19377	0.000326	2.252665	0.000496
MvsS & WvsS	Platr7	0.263033828	0.706152861	1.655352	0.017247	1.392317	0.014725
MvsS & WvsS	Xkrx	-0.11744618	0.77653412	-1.46848	0.009897	-1.35103	0.004214
MvsS & WvsS	Cpne2	0.830593429	0.0258768	2.145502	0.000324	1.314908	0.006831
MvsS & WvsS	Ramp3	0.093108844	0.916483862	2.681821	0.041389	2.588713	0.009644
MvsS & WvsS	Unc80	-0.196397514	0.808341538	2.12553	0.002146	2.321928	6.87E-05
MvsS & WvsS	Slc27a4	0.359496909	0.276903622	1.526229	0.001787	1.166732	0.003559
MvsS & WvsS	Abcb1b	-0.278976195	0.48829596	1.30117	0.02547	1.580146	0.001381
MvsS & WvsS	Hdc	0.616090647	0.175037648	1.820062	0.004628	1.20397	0.010376
MvsS & WvsS	Trbv24	-0.084889256	0.903495674	-2.22239	0.035836	-2.1375	0.022135
MvsS & WvsS	Il7	-0.948469825	0.189504061	-2.87447	0.001508	-1.926	0.01058
MvsS & WvsS	Afp	-0.20645118	0.714870968	-1.84799	0.022556	-1.64154	0.018594
MvsS & WvsS	Patj	0.204977002	0.521741085	1.214962	0.013823	1.009984	0.013289
MvsS & WvsS	Ndufaf8	-0.369756803	0.327085473	-1.66558	0.004255	-1.29582	0.008505
MvsS & WvsS	Acsbg1	0.485426285	0.320081342	-1.55639	0.009082	-2.04182	0.000303
MvsS & WvsS	Pmvk	-0.005454731	0.990109697	1.372742	0.024515	1.378196	0.001767
MvsS & WvsS	Ifitm6	-0.385167242	0.310595696	1.403485	0.01941	1.788652	4.58E-05
MvsS & WvsS	Ccr6	-0.310034756	0.491519652	-2.16159	0.001006	-1.85155	0.002244
MvsS & WvsS	Zfp516	0.153870755	0.587723335	1.164073	0.029755	1.010202	0.01878
MvsS & WvsS	Paqr7	-0.068416855	0.872611466	-1.37018	0.009352	-1.30177	0.006883
WvsM	176 Nacc2	-1.074894248	1.30029E-05	-0.94178	0.169986	0.13311	0.810444
WvsM	Plxnb2	-1.207739067	0.002941587	-0.43187	0.47362	0.775867	0.11807
WvsM	Pard6b	-1.045087962	0.027487648	-0.56089	0.336959	0.4842	0.32579
WvsM	Sdc3	-1.306331198	0.024259031	-0.69067	0.3505	0.61566	0.382081
WvsM	Ptgr1	-1.209033994	0.048486549	-1.14086	0.085407	0.068172	0.914055
WvsM	Zfp772	1.263033625	0.036268385	1.044394	0.185119	-0.21864	0.690879
WvsM	Scn8a	-2.099534224	0.018333027	-1.12553	0.165725	0.974004	0.279283
WvsM	Tlr9	-1.672835024	0.006447893	-0.70454	0.320004	0.968291	0.132136
WvsM	Phf19	-1.277533843	0.047919678	-0.41504	0.561429	0.862497	0.192206
WvsM	Il12a	-1.3336099	0.01074181	-0.84567	0.201764	0.487938	0.417804
WvsM	Krt6b	-1.364452827	0.001054794	-0.88498	0.104061	0.47947	0.219304
WvsM	Rpl35a-ps2	-1.179483869	0.015641226	-1.3356	0.049947	-0.15612	0.800821
WvsM	S100a14	-1.601310389	0.006819048	-0.80989	0.446468	0.791414	0.209482
WvsM	Kiss1r	-1.369233602	0.044486384	-0.23995	0.72798	1.129283	0.101363
WvsM	Pmm1	-1.091630562	0.00870982	-0.51061	0.396706	0.581016	0.242013
WvsM	Clic5	-1.011972798	0.02738098	-0.28951	0.5986	0.722466	0.10634
WvsM	Nrp1	-1.243925667	0.005050075	-0.74366	0.180666	0.500266	0.292669
WvsM	Galnt9	-1.362570065	0.006546274	-1.12553	0.093431	0.23704	0.685743
WvsM	Ccna3b	-1.329307685	0.009063724	-0.70782	0.228859	0.621489	0.218201
WvsM	G0s2	1.10048079	0.014793254	1.185607	0.064289	0.085126	0.875817
WvsM	Rtl5	-1.630050155	0.007892801	-0.37851	0.601206	1.251539	0.058608

WvsM	Ska2	1.032736421	0.004361132	0.354665	0.486367	-0.67807	0.086941
WvsM	Ldb2	-2.115474778	0.048819562	-1.53051	0.134587	0.584962	0.595711
WvsM	Slc1a1	-1.281286033	0.027204413	-0.63743	0.335721	0.643856	0.310826
WvsM	Podnl1	-1.038135228	0.024838359	-1.13124	0.070763	-0.09311	0.864684
WvsM	Ap3s1-ps2	-1.369233605	0.043159903	-0.41504	0.504741	0.954196	0.132588
WvsM	Hspb11	-1.736965441	0.001410618	-0.57258	0.35748	1.164387	0.058305
WvsM	Polr2i	-1.046293732	0.041755154	-0.22556	0.696324	0.820734	0.13389
WvsM	Rarg	-1.106199488	5.41078E-05	-0.92629	0.138618	0.17991	0.724486
WvsM	Cdc42ep2	1.056943266	0.011461779	0.719056	0.173376	-0.33789	0.434486
WvsM	Jag1	-1.159198664	0.022570565	-0.69977	0.293091	0.459432	0.442062
WvsM	Psd	-1.139064039	0.037739045	-0.16506	0.780271	0.974005	0.070381
WvsM	Prtn3	-2.017071738	0.0441837	-1.18057	0.208329	0.836501	0.373909
WvsM	Prss8	-1.161850973	0.008012957	-0.82029	0.140652	0.341557	0.443221
WvsM	Pabpc1l	-1.293358751	0.046215665	-0.88897	0.209668	0.40439	0.552492
WvsM	Fcgr2b	1.258289298	0.000199963	0.76179	0.226035	-0.4965	0.340561
WvsM	Brsk2	-1.084888981	0.012595095	-0.3155	0.614744	0.769387	0.160239
WvsM	Tbx21	-1.152003113	0.036239705	-0.87447	0.169311	0.277534	0.651818
WvsM	Dab2	1.847994927	0.027185132	1.5025	0.069242	-0.3455	0.59776
WvsM	Aspa	-1.801095123	0.025199637	-1.61667	0.054145	0.184425	0.832402
WvsM	Ldlrad3	-1.2078564	0.015866161	-0.27587	0.686644	0.931982	0.122562
WvsM	RPS6KA4	-1.06102957	0.007947329	-0.72845	0.230168	0.332576	0.545387
WvsM	Mbip	-1.074000697	0.00459494	-0.65422	0.19859	0.419776	0.338948
WvsM	Pemt	-1.73696486	0.025693846	-1.03652	0.188298	0.70044	0.395366
WvsM	Hk2	-1.188529106	0.008862753	-0.59741	0.333304	0.591115	0.231447
WvsM	Abcd2	1.276978704	0.001631302	0.403417	0.493857	-0.87356	0.072042
WvsM	Grm6	-2.736963207	0.003383591	-1.152	0.14886	1.584961	0.101913
WvsM	Iglv2	-1.374395494	0.008546249	-0.73054	0.499955	0.643857	0.34438
WvsM	S100a7a	-1.190683615	0.029240406	-0.69188	0.231415	0.498806	0.37018
WvsM	Mcpt8	-2.177536692	0.013914323	-1.34104	0.106953	0.836501	0.365174
WvsM	Upp1	1.770828467	2.98054E-05	1.076816	0.059139	-0.69401	0.090703
WvsM	Cd300e	-1.463946938	0.030179508	-0.91254	0.179027	0.55141	0.377515
WvsM	Igha	-1.158606127	0.009011517	-1.24438	0.062376	-0.08577	0.856972
WvsM	Mal	-1.00955907	0.01675863	-0.50996	0.378161	0.499596	0.182843
WvsM	Tm4sf1	-1.81942763	0.002466695	-2.16992	0.056118	-0.3505	0.53245
WvsM	Cpe	-1.09206062	0.027138568	-1.1964	0.066242	-0.10434	0.851452
WvsM	E2f7	1.055591842	0.010551041	0.203873	0.737596	-0.85172	0.038635
WvsM	Dsc3	-2.321926435	0.016212523	-1.45943	0.253025	0.862496	0.289676
WvsM	Gc	-2.321925451	0.029566238	-2	0.056738	0.321928	0.777662
WvsM	Ctrl	-1.544320217	0.017853313	-1.05247	0.16652	0.491853	0.51009
WvsM	Nutf2-ps1	-1.404389989	0.040771134	-0.46948	0.500016	0.934905	0.154335
WvsM	Gja1	1.847995077	0.033201796	1.584962	0.092373	-0.26303	0.659294
WvsM	Col6a4	-1.128390684	0.006557249	-1.03982	0.056577	0.088565	0.854492
WvsM	Lrrc75b	-1.2317302	0.042020203	-1.19931	0.090312	0.032422	0.961684
WvsM	Nectin4	-1.14359091	0.022068397	-0.31719	0.631789	0.826401	0.16053
WvsM	Acsbg3	-1.662964265	0.039113519	-1.66296	0.063151	3.73E-07	1
WvsM	Lrrc23	-1.54431996	0.047288865	-0.41504	0.576209	1.129283	0.113245
WvsM	Adap1	-1.321928147	0.000963942	-0.38434	0.487756	0.937588	0.052705
WvsM	Ankle1	1.036758063	0.021121088	0.561504	0.378011	-0.47525	0.321102
WvsM	Gh	-2.017072156	0.022104708	-0.5025	0.505927	1.514572	0.072796
WvsM	Soga1	-1.473931036	0.011045536	-0.95936	0.140071	0.514573	0.413952
WvsM	Tlr4	1.010512386	0.021492396	0.162232	0.752162	-0.84828	0.049447
WvsM	B3gnt8	-1.196397319	0.005327953	-0.70454	0.207773	0.491853	0.32679
WvsM	Krt80	-1.213868425	0.000283615	-0.54934	0.293484	0.66453	0.133256
WvsM	Rorb	-2.115474886	0.043896383	-2.11547	0.053196	2.9E-16	1
WvsM	Id3	-1.337358187	0.005895795	-1.16227	0.060209	0.175087	0.742175
WvsM	Icosl	-1.02275998	1.15941E-05	-0.68562	0.292119	0.337142	0.517766
WvsM	Vegfa	1.034409501	0.028267479	0.704262	0.269335	-0.33015	0.489426
WvsM	Ppfia4	-1.949958902	0.003408175	-1.04306	0.354678	0.906891	0.378998
WvsM	Usp9y	-2.883803928	0.007405993	-2.78426	0.054582	0.099536	0.923204

WvsM	Shank1	-1.787591096	0.016447792	-0.8807	0.261213	0.906891	0.230243
WvsM	Lat2	-1.025210708	0.022395609	-0.62236	0.344216	0.402849	0.493093
WvsM	Clec4b2	2.641543283	0.003451197	1.510961	0.145695	-1.13058	0.106035
WvsM	Nek2	1.074000175	0.004797802	0.410285	0.439393	-0.66372	0.09925
WvsM	Pdgfb	-1.461330957	0.027031935	-0.96252	0.188106	0.498806	0.455588
WvsM	Cln6	-1.356693524	0.003580794	-0.77761	0.218506	0.579086	0.282341
WvsM	Ccl9	-1.677983051	0.021593741	-0.81308	0.181919	0.864903	0.065767
WvsM	Mical2	-1.38904212	0.029678072	-1	0.135399	0.389043	0.57003
WvsM	Atp8b5	-1.669850737	0.03200411	-0.34792	0.62976	1.321928	0.06557
WvsM	Rasgef1b	-1.306331301	6.7006E-05	-0.9844	0.093414	0.321928	0.508337
WvsM	Trim3	-1.128156434	0.007888323	-0.47018	0.46191	0.657978	0.243158
WvsM	Ddr2	-1.637429492	0.021942319	-1.22239	0.113513	0.415038	0.573122
WvsM	Emp1	-1.037544588	0.002843895	-0.42433	0.422656	0.613212	0.110452
WvsM	Tmub1	1.212993167	0.011914237	1.032422	0.093773	-0.18057	0.672122
WvsM	B3gnt9	-1.544320387	0.004926719	-1	0.123945	0.544321	0.365285
WvsM	Slc2a8	-1.129283039	0.037585029	-0.71989	0.256198	0.409391	0.493669
WvsM	Fancg	-1.347019118	0.003270656	-0.48294	0.448235	0.864078	0.111385
WvsM	N4bp3	-1.437405312	0.001259297	-1.4374	0.057961	6.09E-07	0.999999
WvsM	Ptpdc1	-1.525461342	0.006769241	-0.49304	0.407832	1.032422	0.075341
WvsM	Flt1	1.165736503	0.029492058	0.761841	0.279357	-0.4039	0.428912
WvsM	Ptpro	-2.04015693	0.000857311	-0.54314	0.429004	1.497015	0.079325
WvsM	Scara5	-2.115474886	0.043896383	-1.53051	0.128016	0.584962	0.595711
WvsM	Trp53i11	-1.105005734	0.004909134	-0.40551	0.485971	0.699491	0.146197
WvsM	Tex11	3.035619125	0.008079298	1.700437	0.14901	-1.33518	0.088726
WvsM	Tnr	-1.131825302	0.035690744	-0.68214	0.33472	0.449685	0.619513
WvsM	Abca6	-1.549338445	0.029814704	-1.41504	0.066099	0.134302	0.845218
WvsM	Slc6a14	-1.147202285	0.003352806	-0.7968	0.126312	0.350404	0.376466
WvsM	Rn7s1	1.470451693	0.000598159	1.05165	0.278715	-0.4188	0.604671
WvsM	Mmp24	-1.736965207	0.009500262	-0.5483	0.43028	1.188661	0.091088
WvsM	Proser2	-1.101962499	0.00034381	-0.89369	0.122396	0.208272	0.66525
WvsM	Adgre4	-1.426944393	0.001539857	-0.9755	0.080757	0.451439	0.351039
WvsM	Mtss2	-1.302562834	0.000702984	-0.5656	0.397861	0.736966	0.202823
WvsM	S1pr5	-1.49185298	0.015886526	-1.08246	0.14652	0.409391	0.527113
WvsM	Ighg2c	-2.584959758	0.012084236	-2.58496	0.016253	2.9E-16	1
WvsM	Fbxw9	-1.339630015	0.017162663	-0.34632	0.578837	0.993305	0.096827
WvsM	Cidec	2.201630823	0.040275903	0.584961	0.655744	-1.61667	0.055871
WvsM	Dtx3	-1.046650191	0.008578842	-0.16022	0.773653	0.886427	0.050366
WvsM	Clec5a	1.349621424	0.000945449	0.675048	0.171499	-0.67457	0.103358
WvsM	Pld4	-1.28638073	0.005371657	-0.58066	0.327868	0.705715	0.173243
WvsM	Nfil3	1.117514433	0.024452856	0.987273	0.118322	-0.13024	0.786514
WvsM	Tlr11	-2.017072076	0.025936702	-0.5025	0.540428	1.514572	0.085556
WvsM	Rassf4	-1.744233873	0.019717944	-0.18335	0.855012	1.56088	0.053476
WvsM	Noxo1	-1.959356928	0.021264092	-1.48542	0.085216	0.473931	0.595517
WvsM	Lilra5	-1.281285998	0.049926498	-0.25892	0.700897	1.022368	0.10339
WvsM	Foxd2os	-1.959357014	0.016305766	-1	0.229306	0.959358	0.271048
WvsM	Cerkl	-1.032421563	0.044865785	-0.46948	0.441545	0.562936	0.294932
WvsM	Scarf1	-1.212699109	0.014375304	-1.33618	0.230855	-0.12348	0.839652
WvsM	Rpl21-ps3	1.906888457	0.043194318	1.169924	0.296936	-0.73696	0.301709
WvsM	Mrm2	-1.763437568	0.004064812	-0.91099	0.099994	0.852443	0.166006
WvsM	Rims3	-1.6396681	0.016051128	-0.59337	0.417074	1.046294	0.126704
WvsM	Stox2	-2.521235672	0.001185193	-1.0473	0.167796	1.473931	0.07057
WvsM	Plch2	-2.321926051	0.020634179	-1.80735	0.066683	0.514573	0.602913
WvsM	Ino80b	-1.021942684	0.01967674	-0.22409	0.674489	0.797848	0.087457
WvsM	Abca9	-1.688385493	0.002853408	-0.81695	0.461955	0.871426	0.130434
WvsM	Epha4	-1.000000078	0.038601126	-1	0.111943	4.08E-07	0.999999
WvsM	Gzmk	-2.129281697	0.014212781	-0.80735	0.313555	1.321927	0.115345
WvsM	Acsf3	-1.1277556	0.030055729	-0.29768	0.594579	0.830075	0.121904
WvsM	Cadps2	2.010265541	0.039799215	0.584963	0.544212	-1.4253	0.064442
WvsM	Bace2	-1.519373932	0.026848025	-1.25634	0.064086	0.263035	0.69396

WvsM	Avpr2	-1.152003171	0.034128752	-0.80206	0.199106	0.349943	0.56781
WvsM	Hotairm1	-1.698491157	0.006560393	-1.37656	0.050656	0.321928	0.628673
WvsM	Selenom	-1.353636682	0.048063293	-0.76867	0.274036	0.584963	0.401132
WvsM	Gsto1	-1.343655076	0.001095552	-0.92742	0.106106	0.416229	0.259766
WvsM	Ccin	1.584961287	0.027903258	0.584963	0.52172	-1	0.106863
WvsM	Hsp90aa1	-1.081466743	0.008876926	-0.36722	0.57906	0.714246	0.111714
WvsM	Hspa1b	-1.60690487	0.010640913	-1.23607	0.092445	0.370838	0.538099
WvsM	Prr5	-1.321928086	0.017227268	-0.82166	0.237521	0.500266	0.412692
WvsM	Sec31b	-1.239465868	0.036969963	-0.91754	0.178831	0.321928	0.596774
WvsM	Junos	2.201630889	0.038347685	2.247924	0.056322	0.046294	0.948529
WvsM	Csrnp1	1.04578461	0.014203332	0.967997	0.052449	-0.07779	0.869661
WvsM	Gas6	-1.959357342	0.006681896	-0.76296	0.286699	1.196397	0.104296
WvsM	Slc41a2	-1.363507239	0.001434465	-0.49943	0.471479	0.864078	0.161042
WvsM	Tlr12	-1.095419612	0.038274783	-1.05889	0.104947	0.036526	0.953289
WvsM	Ahnak	-1.011768184	0.000813478	-0.36358	0.535304	0.64819	0.182507
WvsM	Ces2f	-1.280107892	0.030039824	-0.5025	0.418719	0.777608	0.174738
WvsM	Pcdhgc5	-2.115475088	0.035001618	-1.11548	0.233677	0.999999	0.34469
WvsM	Tbc1d30	-1.084889023	0.038602753	-0.80735	0.199159	0.277534	0.603156
WvsM	Trim7	-1.10209832	0.006830827	-0.5365	0.418408	0.565598	0.313954
WvsM	Tppp	-1.516839795	0.000164518	-1.11548	0.051755	0.401363	0.440748
WvsM	Gstt2	-1.146078345	0.012226514	-0.3455	0.580257	0.800582	0.138534
WvsM	Ighg2b	-2.005453919	0.004717942	-2.55799	0.033672	-0.55254	0.482454
WvsM	Rtp4	1.194201446	3.33757E-06	0.584963	0.286972	-0.60924	0.132143
WvsM	Mx1	-1.577185146	0.001794032	-0.73372	0.297315	0.843465	0.128402
WvsM	Prkag2os2	-1.584962119	0.021826855	-0.848	0.227768	0.736966	0.289329
WvsM	Klf8	-1.334867139	0.010318514	-0.83007	0.154198	0.504792	0.364388
WvsM	Cdk5r1	-1.321928126	0.001506704	-0.4975	0.381998	0.824429	0.096273
WvsM	Zfp553	-1.01072652	0.0224021	-0.27915	0.633185	0.731573	0.124135
WvsM	Kif9	-1.179483865	0.029433326	-0.47053	0.447983	0.708951	0.22996
WvsM	Cetn4	1.98549768	0.049347427	1.655351	0.080045	-0.33015	0.634096
WvsM	Upb1	-2.41503513	0.014766114	-0.60768	0.459413	1.807353	0.056602
WvsM	Tnfrsf13c	-1.102483111	0.007280822	-0.23446	0.710877	0.868018	0.098967
WvsM	Trerf1	-1.031708994	0.036908427	-0.63482	0.294258	0.396891	0.468745
WvsM	Alpk1	-1.252886701	0.021368942	-0.5025	0.613593	0.750387	0.18712
WvsM	Tlr8	1.0822553	0.019170166	1.220517	0.05675	0.13826	0.767769
WvsM	Calhm2	-1.048167416	0.004436808	-0.73517	0.254104	0.312996	0.566863
WvsM	Cul9	-1.333609906	0.009633679	-0.69681	0.265891	0.636802	0.257952
WvsS	190 Fat3	-1.525460742	0.080065496	-2.078	0.0259	-0.55254	0.575849
WvsS	Dsc2	-0.827163703	0.169805206	-1.72246	0.012684	-0.8953	0.089966
WvsS	Tie1	-0.748461378	0.035128433	-1.24257	0.013771	-0.49411	0.250137
WvsS	Cnn2-ps	1.333422095	0.152657899	2.169924	0.02288	0.836501	0.195202
WvsS	Ttll11	-0.513929377	0.025308805	-1.07519	0.034516	-0.56126	0.152077
WvsS	Tdrp	-0.630205805	0.047078293	-1.05876	0.039977	-0.42855	0.274984
WvsS	Stfa2	0.788124838	0.122158478	1.377158	0.047054	0.589033	0.300763
WvsS	Ifi30	0.278479034	0.451307642	1.161431	0.028136	0.882951	0.055738
WvsS	Tex9	-0.491489859	0.284014263	-1.19931	0.03663	-0.70782	0.106809
WvsS	Triqk	-0.485093581	0.248757117	-1.39023	0.029689	-0.90514	0.055144
WvsS	Ly86	-0.429856459	0.231334016	-1.20929	0.034678	-0.77943	0.111739
WvsS	Fam124b	-0.530514798	0.496736882	-2.11547	0.046788	-1.58496	0.109475
WvsS	Msh4	-0.641808557	0.230689296	-1.41504	0.029979	-0.77323	0.215949
WvsS	Cdkn1a	1.180571051	0.126887456	1.584962	0.049251	0.404391	0.492189
WvsS	Sowahc	-0.895030579	0.00794014	-0.96305	0.042889	-0.06802	0.866903
WvsS	Synpo	-0.870232208	0.103121992	-1.80206	0.014376	-0.93183	0.159538
WvsS	Qsox2	-0.864515786	0.020902204	-1.13362	0.030055	-0.26911	0.521995
WvsS	Samsn1	0.87300066	0.000552215	1.436319	0.009231	0.563318	0.175736
WvsS	Tspan1	-0.951704615	0.058970701	-1.18827	0.027453	-0.23656	0.657977
WvsS	Ophn1	-0.47764962	0.086618685	-1.26192	0.01112	-0.78427	0.04984
WvsS	Slc35e3	-0.924592708	0.017039174	-1.31316	0.041802	-0.38856	0.478652
WvsS	Ifit1bl1	-0.380095002	0.225325991	-1.21543	0.019777	-0.83533	0.041245

WvsS	Zfhx4	-0.917537672	0.279531532	-2.18057	0.032584	-1.26303	0.183199
WvsS	Ltbp4	-0.775439878	0.159511739	-1.85561	0.015624	-1.08017	0.106121
WvsS	Vmn1r43	-1.222392099	0.126084353	-2	0.033255	-0.77761	0.365153
WvsS	Anxa11os	0.458049971	0.326835096	1.32572	0.03756	0.86767	0.05908
WvsS	C1rl	1.028568445	0.081406811	1.827819	0.010628	0.79925	0.136626
WvsS	Trpc6	-0.390166772	0.202765364	-1.22526	0.013106	-0.8351	0.035111
WvsS	Mkx	-1.495956875	0.078631798	-1.87447	0.035215	-0.37851	0.671242
WvsS	Nbea	-0.996528045	0.02253259	-1.23549	0.037852	-0.23896	0.578145
WvsS	Il4ra	0.767912714	0.006400646	1.687936	0.000404	0.920022	0.020857
WvsS	Rab27b	-0.314539128	0.26137473	-1.04035	0.03437	-0.72581	0.055631
WvsS	Rln3	-1.078002234	0.205377624	-2.078	0.035545	-1	0.271523
WvsS	Hba-a1	0.560628781	0.085494545	1.154718	0.040171	0.594088	0.161678
WvsS	Izumo1r	-0.416746071	0.260490336	-1.27676	0.016076	-0.86001	0.049626
WvsS	H4c9	-0.377526921	0.178544867	-1.10583	0.017065	-0.72831	0.040153
WvsS	Xkr6	-0.608232557	0.128824518	-1.37707	0.013719	-0.76884	0.055647
WvsS	Plp1	-0.348466949	0.232308377	-0.99761	0.030529	-0.64914	0.096466
WvsS	Gpr141	0.173598796	0.675892654	1.102687	0.045866	0.929087	0.034841
WvsS	Ighd	-0.652343995	0.163689368	-1.41348	0.017218	-0.76114	0.142891
WvsS	Heatr9	-1.293358735	0.054571826	-1.73696	0.025479	-0.44361	0.56861
WvsS	Sh3pxd2a	-0.8297424	0.01425538	-1.33257	0.013325	-0.50283	0.267291
WvsS	Nfib	-0.564498693	0.312339258	-1.63743	0.010702	-1.07293	0.059739
WvsS	Pdk1	-0.480101085	0.040427243	-0.98367	0.029596	-0.50357	0.115524
WvsS	Tspan17	-0.918295587	0.008648902	-1.50027	0.013898	-0.58197	0.201261
WvsS	Slc16a3	0.431821594	0.25450572	1.301838	0.027636	0.870015	0.058248
WvsS	Mcoln2	-0.283247977	0.533699286	-1.29474	0.028029	-1.01149	0.060533
WvsS	Robo3	-0.817136084	0.199525611	-2.30256	0.001968	-1.48543	0.050318
WvsS	Khdrbs3	0.555815647	0.315329284	1.412782	0.018668	0.856966	0.067622
WvsS	Mmp25	0.731421002	0.040965844	1.277781	0.025041	0.54636	0.205779
WvsS	Casp12	-1.09060238	0.160136144	-1.76867	0.04829	-0.67807	0.39702
WvsS	Cela1	-0.183030192	0.530853374	-0.964	0.045701	-0.78097	0.026561
WvsS	Clec2i	-0.40566729	0.292048042	-1.39707	0.016208	-0.9914	0.041702
WvsS	Sox18	-1.267479615	0.158647289	-2.11547	0.048816	-0.848	0.431546
WvsS	Klrd1	-0.682288781	0.116608912	-1.29054	0.015628	-0.60825	0.170842
WvsS	Setbp1	-0.666821181	0.191677277	-1.58368	0.007567	-0.91686	0.104231
WvsS	Gstm4	1.189032187	0.221580619	2.350496	0.010087	1.161463	0.066009
WvsS	Zkscan7	-0.555127471	0.143857297	-1.21434	0.033915	-0.65921	0.172063
WvsS	Plce1	-1.032421439	0.123100271	-1.84799	0.037213	-0.81557	0.287902
WvsS	Clec4e	0.837829042	0.062703792	1.505835	0.006024	0.668005	0.114423
WvsS	Hmgb3	0.474538041	0.33676004	1.255899	0.048584	0.78136	0.141831
WvsS	Neurl1a	0.641544845	0.53898518	1.906889	0.041984	1.265344	0.07124
WvsS	Ccdc3	-0.522841105	0.518951068	-1.73696	0.047114	-1.21412	0.114081
WvsS	Cc2d2b	-0.568146666	0.063222448	-1.50748	0.011738	-0.93934	0.052658
WvsS	F10	0.32564616	0.286703362	1.252819	0.046474	0.927172	0.060545
WvsS	Blzf1	-0.104023345	0.784049113	-1.06413	0.044648	-0.96011	0.03514
WvsS	Sft2d2	0.692834483	0.003008374	1.226865	0.015812	0.53403	0.186494
WvsS	Marcksl1	0.600269452	0.065532103	1.060048	0.038413	0.459778	0.247089
WvsS	Atad3aos	-1.243925366	0.097067175	-1.58496	0.044997	-0.34104	0.660844
WvsS	Ccr5	0.223774641	0.549812651	1.133979	0.029427	0.910204	0.034593
WvsS	Ccdc91	-0.782769411	0.019322786	-1.46084	0.006868	-0.67807	0.140184
WvsS	Slc4a3	-0.814968087	0.279245549	-2.078	0.027054	-1.26303	0.153947
WvsS	Il9r	-0.876690608	0.199584541	-1.73696	0.008617	-0.86027	0.209351
WvsS	Adam8	0.985015698	0.013180461	1.77661	0.002293	0.791593	0.096238
WvsS	Hpgd	-0.867026282	0.093774766	-1.51813	0.024536	-0.6511	0.206416
WvsS	Dusp10	0.588237294	0.065037549	1.281615	0.013124	0.693377	0.078565
WvsS	Ifi213	-0.260528006	0.651713779	-1.35364	0.024602	-1.09311	0.06371
WvsS	Serpnb6b	0.178145202	0.656261851	1.15612	0.034048	0.977974	0.024559
WvsS	Coro2b	-0.616671516	0.356652623	-1.76867	0.033557	-1.152	0.144109
WvsS	Arhgef5	-0.952694338	0.11896678	-2	0.006775	-1.0473	0.144033
WvsS	Hspd1-ps4	-0.261627767	0.403311043	-1.218	0.016273	-0.95637	0.024627



WvsS	Zfp521	-1.111361073	0.114649088	-1.54432	0.035836	-0.43296	0.556987
WvsS	Plekhg5	-0.705256883	0.14146302	-1.38333	0.029301	-0.67807	0.238315
WvsS	Cxcl5	-0.544320717	0.314345397	-1.45686	0.048098	-0.91254	0.159216
WvsS	IgSF9	-1.008267649	0.123751629	-1.95936	0.016993	-0.95109	0.180629
WvsS	AI504432	-0.190253565	0.47930762	-1.10847	0.020787	-0.91822	0.010563
WvsS	Ppp1r35	-0.467779104	0.133881826	-1.11548	0.029831	-0.6477	0.124483
WvsS	P2ry10	0.490856479	0.081948603	1.674751	0.013934	1.183894	NA
WvsS	Rgs6	-1.222392191	0.081373126	-1.80735	0.03228	-0.58496	0.485095
WvsS	Zfp931	-0.452236315	0.225750189	-1.26566	0.026775	-0.81342	0.084008
WvsS	Adgrg3	0.532220767	0.117392335	1.51388	0.005875	0.981659	0.018676
WvsS	Igfals	-1.084888518	0.189987905	-2.22239	0.035115	-1.1375	0.273608
WvsS	Zfp532	-0.654503507	0.410503086	-2.5025	0.016711	-1.84799	0.062648
WvsS	Ankrd35	-0.304738555	0.348770799	-1.30108	0.005203	-0.99634	0.009663
WvsS	Ldlrad4	-0.539026434	0.194611424	-1.13327	0.041001	-0.59424	0.190851
WvsS	Eng	-0.846590202	0.115621657	-1.68512	0.018547	-0.83854	0.185582
WvsS	Tpm2	-0.705938911	0.232983489	-1.69067	0.019186	-0.98473	0.103548
WvsS	Serpnb6a	-0.883669627	0.008412885	-1.24648	0.028635	-0.36281	0.391514
WvsS	Eda	-0.971430728	0.210147613	-1.92961	0.03881	-0.95818	0.256358
WvsS	Bank1	-0.288114755	0.41417124	-1.27668	0.03435	-0.98856	0.054455
WvsS	Alg1	-0.58084658	0.11541521	-1.18677	0.031165	-0.60592	0.190685
WvsS	Ntrk3	-0.85798117	0.017408412	-1.35548	0.011176	-0.4975	0.261807
WvsS	Ttll7	-0.541045557	0.201351192	-1.44151	0.03866	-0.90046	0.113012
WvsS	Klrl1	-0.713615339	0.049598986	-1.66002	0.004839	-0.94641	0.059292
WvsS	Idi1-ps1	-1.321927691	0.0808949	-2	0.030857	-0.67807	0.462678
WvsS	Opn3	-1.135514899	0.078162893	-1.68805	0.035572	-0.55254	0.460886
WvsS	Wnt5b	-0.897430359	0.115438104	-1.49304	0.025062	-0.59561	0.347341
WvsS	Cd80	0.675087626	0.079301612	1.125532	0.046036	0.450443	0.253537
WvsS	Klrc3	-1.123988766	0.068970653	-1.38702	0.044981	-0.26303	0.704654
WvsS	Rasgrp3	-0.666761611	0.014523118	-1.16895	0.031836	-0.50219	0.226645
WvsS	Slc7a11	0.996859635	0.011264264	1.451878	0.007616	0.455017	0.25625
WvsS	Cd55	-0.464874412	0.190326291	-1.30922	0.0156	-0.84434	0.062004
WvsS	Nr1h4	-0.775959988	0.187609372	-1.64385	0.027175	-0.86789	0.363374
WvsS	Tnk2os	-0.527512398	0.304272243	-1.60768	0.029697	-1.08017	0.093223
WvsS	Efemp1	-1.525460866	0.055261121	-2.66296	0.008272	-1.1375	0.280956
WvsS	Rab7-ps1	0.646362485	0.240313756	1.346803	0.038265	0.70044	0.150658
WvsS	Slc15a3	0.884001157	0.044985319	1.176854	0.038507	0.292852	0.526614
WvsS	Il18r1	-0.546055689	0.017869971	-1.02499	0.040551	-0.47893	0.20553
WvsS	Kitl	-1.036525529	0.247994224	-2.41503	0.028284	-1.37851	0.17681
WvsS	Gng11	-0.31137489	0.341896816	-1.14696	0.016873	-0.83558	0.02574
WvsS	Clec1b	-0.366289124	0.280991144	-1.00107	0.039172	-0.63478	0.083335
WvsS	Chrna9	0.9634731	0.218436377	1.832889	0.033659	0.869416	0.167725
WvsS	Ankrd24	-0.637430084	0.119976302	-1.11805	0.039365	-0.48063	0.307862
WvsS	Sytl4	-0.350196084	0.207268103	-1.08995	0.031129	-0.73976	0.057867
WvsS	Mapk12	-0.592575879	0.274999596	-1.41504	0.043738	-0.82246	0.202486
WvsS	Gpr34	-0.24633073	0.552329452	-1.22696	0.035784	-0.98063	0.05698
WvsS	Preli2	0.516790673	0.173875073	1.276841	0.013069	0.760049	0.061976
WvsS	Rnase4	-0.418436326	0.337957924	-1.33257	0.039356	-0.91414	0.06642
WvsS	Sdhaf4	-0.945552328	0.088279807	-1.41504	0.03424	-0.46948	0.440098
WvsS	Rbm3-ps	1.058213934	0.061187582	1.706953	0.009263	0.648739	0.180232
WvsS	Hepacam2	-0.805678558	0.263166676	-1.44898	0.038119	-0.64331	0.357397
WvsS	Afap1l1	-0.775439901	0.021538289	-1.29373	0.033591	-0.51829	0.28047
WvsS	Serpine2	-0.194609531	0.58016149	-1.19264	0.030426	-0.99804	0.018231
WvsS	Adgrl2	-0.643856363	0.193195811	-1.20645	0.046231	-0.56259	0.31174
WvsS	Akap5	-0.171368669	0.656255496	-1.1047	0.04499	-0.93333	0.050812
WvsS	Phf11b	-0.727315598	0.052606394	-1.14235	0.048577	-0.41504	0.375796
WvsS	MsrA	0.175216338	0.515098943	1.007789	0.043454	0.832573	0.033296
WvsS	Lrrc6	-0.437405473	0.587939873	-2.11547	0.046788	-1.67807	0.093482
WvsS	Snap47	-0.598834832	0.057068253	-1.1682	0.03846	-0.56937	0.169452
WvsS	Rgs18	-0.190231634	0.540000925	-1.02965	0.036954	-0.83942	0.028174

WvsS	Abca5	-0.936274446	0.184386017	-2.0473	0.012704	-1.11103	0.13738
WvsS	Cavin2	-0.18115992	0.477573589	-1.01457	0.03774	-0.83341	0.027434
WvsS	Mcrip2	1.925996274	0.094533682	2.523559	0.023093	0.597563	0.403182
WvsS	Tanc1	-0.480626133	0.219230802	-1.2235	0.020571	-0.74288	0.115479
WvsS	Selenon	0.260202373	0.516349503	1.179325	0.040061	0.919121	0.032512
WvsS	Zbed5	-0.466663335	0.119478147	-1.27356	0.012814	-0.8069	0.049996
WvsS	Adamts1	-1.437404418	0.111272433	-2.11547	0.046788	-0.67807	0.53682
WvsS	Krt19	-0.480057776	0.421227533	-1.49032	0.019141	-1.01027	0.062141
WvsS	Nr1d1	-0.406817293	0.497553979	-1.45686	0.043961	-1.05004	0.092873
WvsS	Trpc1	-0.534657599	0.091980311	-1.50573	0.00346	-0.97108	0.022503
WvsS	Cbs	-0.630050571	0.236188852	-1.37851	0.047807	-0.74846	0.219061
WvsS	Cfh	-1.692018365	0.054442265	-1.43341	0.035346	0.258603	0.628807
WvsS	Fpr2	0.919055219	0.049681592	1.272934	0.0188	0.353877	0.408405
WvsS	Npas2	-0.906890636	0.151286529	-1.84799	0.022895	-0.94111	0.191849
WvsS	Myadml2	-0.592575827	0.418657373	-2.078	0.024304	-1.48543	0.092362
WvsS	Vstm5	-1.495957009	0.050632264	-1.87447	0.034277	-0.37851	0.668132
WvsS	Bcl2l11	0.454643993	0.048863765	1.125079	0.027272	0.670434	0.077363
WvsS	Ndufs5	-0.321928258	0.304499827	-1.24257	0.012169	-0.92064	0.022925
WvsS	Trbj2-6	-0.613583398	0.235396614	-1.69883	0.009092	-1.08525	0.072825
WvsS	Nudt3	-0.41213304	0.15298611	-1.08271	0.038026	-0.67058	0.101377
WvsS	Meox2	-1.836499869	0.050885888	-2.32192	0.028955	-0.48543	0.666765
WvsS	Atp11a	0.324524893	0.289082149	1.254753	0.024333	0.930227	0.029019
WvsS	Mettl18	-0.343301966	0.434582153	-1.33257	0.031204	-0.98927	0.06584
WvsS	Hba-a2	0.478609033	0.102976682	1.204968	0.03333	0.726358	0.090504
WvsS	Rflna	-0.658963169	0.395593948	-2	0.032172	-1.34104	0.137032
WvsS	Mir6236	1.363635216	0.127640564	2.736966	0.021813	1.373328	0.101906
WvsS	Klk10	-1.058893545	0.134713889	-1.92961	0.033579	-0.87072	0.304246
WvsS	Mfap3l	-0.364689254	0.205331136	-1.15772	0.039365	-0.79304	0.066832
WvsS	Gimap7	-0.406909945	0.307971386	-1.21022	0.017155	-0.80331	0.062976
WvsS	Dlg2	-0.522755376	0.092601417	-1.05054	0.039837	-0.52778	0.180443
WvsS	Nxpe1-ps	-0.881355613	0.117374111	-1.55943	0.029066	-0.67807	0.300075
WvsS	Pdgfd	-0.096121156	0.710342625	-1.05932	0.033949	-0.9632	0.014694
WvsS	Paqr8	-0.847997032	0.03101349	-1.23132	0.021639	-0.38333	0.401737
WvsS	Serpib2	-0.608381564	0.102924141	-1.36694	0.007686	-0.75856	0.087427
WvsS	Dhrs9	0.620644318	0.16426799	1.280393	0.034356	0.659747	0.151003
WvsS	Samd3	-0.736965811	0.116841344	-1.53533	0.008701	-0.79837	0.122219
WvsS	Ppp3cc	0.809607611	0.02104257	1.271494	0.009842	0.461886	0.285333
WvsS	Ttn	-0.274903031	0.450251928	-1.19513	0.009608	-0.92023	0.029478
WvsS	Stfa3	0.722465217	0.308478259	2.426263	0.040444	1.703798	NA
WvsS	Gucy1b1	-0.469681978	0.133344524	-1.11454	0.038662	-0.64486	0.116074
WvsS	Gpr27	2.137500324	0.054409666	3.247924	0.002411	1.110424	0.088164
WvsS	Rida	-0.443320293	0.144909742	-1.06665	0.025775	-0.62333	0.086471
WvsS	Pram1	0.925998604	0.166169894	1.523562	0.047669	0.597563	0.306947
WvsS	Lancl3	-0.822422659	0.044468082	-1.52917	0.010228	-0.70675	0.141618
WvsS	Scgb1c1	-0.637429946	0.393308434	-2.22239	0.035115	-1.58496	0.10473
WvsS	Slco4c1	0.636651524	0.104368954	1.154723	0.027994	0.518071	0.223257
WvsS	Ccdc50	-0.744878164	0.003653544	-1.16787	0.017875	-0.42299	0.293383
WvsS	Adgrb2	-1.123988816	0.065594318	-2.25457	0.003387	-1.13058	0.079675
WvsS	Cers3	-0.567040769	0.369704891	-2	0.020047	-1.43296	0.058522
WvsS	Fancf	-0.581687609	0.306958834	-1.23061	0.048297	-0.64892	0.271875
MvsS	179 Ms4a8a	-1.473931098	NA	0.176327	0.890305	1.650254	0.00865
MvsS	Myh1	1.584959898	0.131940995	-0.67807	0.565184	-2.26303	0.018794
MvsS	Lta	0.847995844	0.266516464	-0.79355	0.417571	-1.64154	0.029852
MvsS	Atxn7l1os1	0.156118561	0.874448725	1.684497	0.061342	1.528379	0.031643
MvsS	Lgr4	0.478046802	0.366784017	-0.63743	0.358774	-1.11548	0.040943
MvsS	Ccnb2-ps	0.036263084	0.945767227	-1.152	0.130582	-1.18827	0.03416
MvsS	Dnajb13	-0.50915992	0.160539283	0.649919	0.305052	1.159078	0.025455
MvsS	Mir133a-1	-0.959356987	0.386407189	0.86507	0.332312	1.824427	0.034437
MvsS	Car3	1.867892864	0.062549167	-1	0.234619	-2.86789	0.001227

MvsS	Rbm11	0.925998692	0.145297347	-1.19264	0.209444	-2.11864	0.004278
MvsS	Zdhhc23	-0.274622559	0.420508313	0.913289	0.098327	1.187911	0.008023
MvsS	Efcab7	0.624031668	0.137789505	-0.5025	0.441639	-1.12653	0.017947
MvsS	Igsf10	1.093108003	0.199869459	-1.58496	0.179106	-2.67807	0.00416
MvsS	Galm	0.250543188	0.470631109	-0.91547	0.135283	-1.16601	0.01775
MvsS	Vps37b	-0.580240226	0.061343808	0.536869	0.296392	1.117108	0.00555
MvsS	Carmil1	0.673966903	0.191874386	-0.87447	0.155165	-1.54844	0.002965
MvsS	Heatr5a	-0.547865631	0.014853143	0.525204	0.303216	1.073069	0.007504
MvsS	Ighg3	-0.951090427	0.12482679	-2.68805	0.002517	-1.73696	0.036512
MvsS	Mcc	0.171886205	0.688102308	-1.02975	0.106702	-1.20163	0.018816
MvsS	Nr4a3	-0.977973267	0.301114715	1.612443	0.2216	2.590415	0.016138
MvsS	Rpp38	-0.097555542	0.808690487	-1.16128	0.0605	-1.06372	0.037333
MvsS	Krt78	-1.437404146	0.167829905	0.791414	0.324493	2.228818	0.002504
MvsS	Chst13	-0.814968089	0.297914658	0.980891	0.14617	1.795859	0.004657
MvsS	Nrg2	-1.152002445	0.213657649	0.523562	0.506539	1.675564	0.027362
MvsS	Itgb8	1.432958068	0.065580295	-0.09311	0.926285	-1.52607	0.043138
MvsS	Vcan	-1.654672658	0.154700744	0.332785	0.8225	1.987448	0.010243
MvsS	Tasl	0.3906483	0.245479441	-0.67974	0.162106	-1.07039	0.007478
MvsS	Elov13	2.613523078	0.086785068	-0.73696	0.562023	-3.35049	0.016545
MvsS	Scn4b	-0.251538686	0.830230828	1.432958	0.151799	1.684497	0.049412
MvsS	Tnni2	0.180571789	0.728991359	-1	0.107997	-1.18057	0.025895
MvsS	Ucp3	-0.514572773	0.651938523	1.169925	0.224588	1.684497	0.048499
MvsS	Slco1a5	0.999998403	0.283043918	-1.58496	0.179106	-2.58496	0.007843
MvsS	Dpep2	-1.999997671	0.063807661	-0.09311	0.916188	1.906889	0.04357
MvsS	Hmcn2	1.63226656	0.054502648	-0.67807	0.560366	-2.31034	0.007273
MvsS	Prr18	0.228268417	0.727752163	-1.48542	0.088	-1.71369	0.023846
MvsS	Sik1	-0.497014926	0.063878281	0.912377	0.134235	1.409391	0.003745
MvsS	H2ac24	0.5315227	0.345690753	-1.06711	0.172808	-1.59864	0.00781
MvsS	Slc9a3	-0.152003381	0.869141948	1.442943	0.108272	1.594946	0.036166
MvsS	Cdkl2	0.299559879	0.533954362	-1.45251	0.053898	-1.75207	0.003966
MvsS	Snora17	-0.271302341	0.683834829	1.146842	0.096469	1.418143	0.014974
MvsS	Cpne7	0.189033234	0.817131972	-1.73696	0.129681	-1.926	0.042659
MvsS	BC049352	0.111030781	0.921231512	1.786595	0.071945	1.675564	0.037342
MvsS	Deptor	-1.222392367	0.073540217	0.075289	0.916621	1.297681	0.021286
MvsS	Slc26a8	-1.017073317	0.181482527	0.584963	0.429729	1.602036	0.01742
MvsS	Cstdc6	0.298657595	0.674566283	1.754887	0.127946	1.456229	0.014669
MvsS	Rag1	-0.630050422	0.50964679	1.884522	0.125722	2.514572	0.000482
MvsS	Xylb	0.189033273	0.811094323	-1.73696	0.119041	-1.926	0.044121
MvsS	Igkv17-127	-1.267479475	0.194717814	0.408085	0.639849	1.675564	0.044058
MvsS	Angptl2	-0.027415766	0.947525817	1.135574	0.120893	1.162989	0.044359
MvsS	Rnf227	0.385024324	0.559027013	-1.5025	0.108003	-1.88752	0.008988
MvsS	Mex3d	-1.25779764	0.051202083	8.21E-07	0.999999	1.257798	0.033474
MvsS	Tlr3	-0.074000963	0.922512682	-2	0.0631	-1.926	0.045431
MvsS	Gtse1	-0.123989116	0.861603288	1.141356	0.074394	1.265345	0.025055
MvsS	Slc4a4	0.713694823	0.344104238	-1	0.274984	-1.71369	0.020992
MvsS	Clec7a	0.774735902	0.051506289	-0.40963	0.427694	-1.18437	0.004265
MvsS	Nipal2	0.263033608	0.764792198	-1.87447	0.095196	-2.1375	0.02943
MvsS	Tcim	-1.222390798	0.288723079	0.777608	0.424552	1.999998	0.038292
MvsS	Igfbp4	0.204848767	0.582736281	-0.90046	0.066031	-1.10531	0.005868
MvsS	Fam222a	-1.364995934	0.178333822	0.355482	0.685234	1.720477	0.020818
MvsS	Ampd1	0.672424468	0.295566278	-1.02272	0.180366	-1.69514	0.009067
MvsS	Snord85	-1.544319449	0.100302202	0.025536	0.974642	1.569855	0.049905
MvsS	Ston1	-0.843880575	0.365251699	0.684499	0.411348	1.528379	0.037537
MvsS	Adam15	-0.260527896	0.633040235	0.919382	0.183472	1.179909	0.014566
MvsS	Ifit1bl2	0.478256853	0.220180179	-0.72902	0.184156	-1.20728	0.008001
MvsS	Peg12	-0.736964755	0.527388215	1	0.29015	1.736964	0.046551
MvsS	Got1	-0.347691411	0.356169865	0.969355	0.083945	1.317046	0.004575
MvsS	Bmp1	-0.929609912	0.369841789	0.754888	0.397399	1.684497	0.049412
MvsS	Zfp93	0.571155925	0.391869507	-0.80735	0.337559	-1.37851	0.043838

MvsS	Cpa6	-3.28477E-16	1	1.999997	0.084029	1.999998	0.035119
MvsS	Ascl4	-0.08488923	0.930649787	1.421463	0.118515	1.506352	0.04695
MvsS	Slc4a1	-0.52325074	0.048998016	0.575493	0.375237	1.098741	0.033036
MvsS	Yju2	-0.718587226	0.085591787	0.299561	0.577887	1.018148	0.020015
MvsS	Ltf	-0.946958314	0.057473577	0.724556	0.30142	1.671513	0.003351
MvsS	Hopx	-0.424375576	0.324131089	0.84022	0.152892	1.264595	0.004305
MvsS	Zfp14	0.802192743	0.085134746	-0.83007	0.256158	-1.63227	0.003874
MvsS	Lrsam1	-0.555127471	0.208195579	0.449611	0.449079	1.004738	0.028254
MvsS	Rnf150	-1.852440985	0.072678074	0.52838	0.564374	2.38082	0.008572
MvsS	Krt6a	-0.038994736	0.946465977	-1.23446	0.084227	-1.19547	0.013991
MvsS	Abcb1a	-0.287835293	0.562552396	0.863595	0.162811	1.151429	0.02542
MvsS	Sh3tc1	-0.718350069	0.077494107	0.52763	0.416447	1.245979	0.019366
MvsS	Oas1e	-0.177538506	0.735221377	0.966392	0.177428	1.14393	0.031933
MvsS	Cyp2c52-p:	0.999999039	0.175452251	-0.58496	0.550201	-1.58496	0.034365
MvsS	Pja1	-0.468149029	0.151483293	0.66388	0.207443	1.132029	0.007882
MvsS	Pvr	-0.147054094	0.679514021	0.973735	0.097952	1.120788	0.01656
MvsS	Ntn4	0.216036691	0.528545975	-0.84246	0.156485	-1.05849	0.02526
MvsS	Olfr920	0.321927501	0.656246985	-1.41504	0.153479	-1.73696	0.036512
MvsS	Ank2	-0.312468064	0.570712447	1.157214	0.055425	1.469682	0.005597
MvsS	Tnxb	-0.065588837	0.921879926	-1.58496	0.069574	-1.51937	0.043018
MvsS	Sh2d2a	-0.399384688	0.433502014	0.692347	0.216245	1.091731	0.024496
MvsS	Scn1b	-1.260527339	0.063056948	0.061401	0.926096	1.321928	0.034233
MvsS	Sorbs2	0.23794276	0.71892249	-1.36613	0.10937	-1.60407	0.015785
MvsS	Dpyd	0.847995359	0.40021976	-1.22239	0.312728	-2.07039	0.040048
MvsS	Cep295nl	-0.15200346	0.804136416	1.074348	0.125974	1.226351	0.042429
MvsS	Emp2	0.388564262	0.607351663	-1	0.219699	-1.38856	0.028688
MvsS	Nhsl2	-0.720663904	0.006994163	0.537043	0.352117	1.257706	0.006972
MvsS	Trav6d-4	0.736964707	0.342209384	-1.58496	0.170888	-2.32193	0.01149
MvsS	Al463170	-0.736965421	0.389042339	0.932886	0.277455	1.669851	0.031125
MvsS	Trav7d-4	-1.389041091	0.173248122	0.825971	0.337579	2.215012	0.008004
MvsS	Glb1l2	1.137501418	0.296836411	-1	0.418358	-2.1375	0.03984
MvsS	Rnf125	-0.142378823	0.581096799	0.921878	0.131392	1.064256	0.026078
MvsS	Stxbp3-ps	-0.87023221	0.113290021	0.169926	0.766154	1.040157	0.045936
MvsS	Pgam1	-0.527042693	0.159296485	0.809837	0.153984	1.336879	0.003101
MvsS	Ctnnd2	-0.152003452	0.863278514	1.392317	0.072986	1.54432	0.021317
MvsS	Zbtb32	-0.03141326	0.942343504	-1.07985	0.084234	-1.04844	0.038372
MvsS	Kbtbd3	0.006258683	0.989028424	-1.23816	0.057054	-1.24442	0.022767
MvsS	Musk	-0.374395459	0.724511369	1.478047	0.113036	1.852442	0.024955
MvsS	Ear6	-0.571906673	0.446376976	0.788497	0.471361	1.360402	0.035699
MvsS	Troap	0.104969281	0.796941725	-0.97303	0.103417	-1.078	0.020224
MvsS	AA467197	-0.490805231	0.336083159	1.135978	0.070849	1.626783	0.001627
MvsS	Kcnk1	1.695990937	0.122091208	-0.41504	0.732348	-2.11103	0.030292
MvsS	Mcoln3	0.049327268	0.921959502	-1.13124	0.063258	-1.18057	0.021396
MvsS	Runx2os1	-0.736964452	0.553939828	1.350496	0.170564	2.087461	0.022948
MvsS	Plbd2	-0.979326583	0.041709657	0.232978	0.705135	1.212304	0.027672
MvsS	Adamts5	0.625603523	0.419700908	-1.22239	0.183659	-1.848	0.020559
MvsS	Akap12	-0.385493554	0.394777988	1.1193	0.051959	1.504792	0.001808
MvsS	Oas3	0.001491557	0.996345807	1.041204	0.114441	1.03971	0.035002
MvsS	Mir1957a	0.362569282	0.645861506	-1.41504	0.126436	-1.77761	0.035218
MvsS	Cdt1	-0.102615384	0.820289603	1.081116	0.06135	1.183731	0.018469
MvsS	A1cf	1.189032187	0.221580619	-0.73696	0.562023	-1.926	0.047021
MvsS	Trbv2	0.130930477	0.771185738	-1.03652	0.076296	-1.16746	0.01519
MvsS	Grn	-0.625934509	0.143247904	0.432961	0.506714	1.058894	0.025267
MvsS	Cxcl3	0.111030774	0.923165947	1.906889	0.073339	1.795858	0.041082
MvsS	Aldh1a3	0.703605689	0.41996537	-1.22239	0.222147	-1.926	0.013699
MvsS	Mcub	-0.897430427	0.122944617	0.195017	0.785921	1.092446	0.044825
MvsS	Gpr35	-0.557416398	0.151205743	0.504545	0.396233	1.06196	0.015672
MvsS	Omd	0.881943357	0.198035367	-0.52195	0.548493	-1.4039	0.03038
MvsS	Igkv4-81	-0.678072025	0.274803116	-2.41503	0.007574	-1.73696	0.034873

MvsS	Reep1	0.172836268	0.713059228	-1.06711	0.139467	-1.23995	0.036364
MvsS	Itga8	-0.579424505	0.361570658	0.691878	0.30422	1.271302	0.038908
MvsS	Tssk6	0.707818378	0.305155924	-0.58496	0.480245	-1.29278	0.035235
MvsS	Rpl7a-ps11	0.552540198	0.493398387	-1.58496	0.166746	-2.1375	0.02339
MvsS	Thrsp	1.161153618	0.121423082	-1.2895	0.197937	-2.45066	0.003142
MvsS	Tnfsf13os	-0.736964452	0.553939828	1.169924	0.239508	1.906889	0.040008
MvsS	Col5a1	0.427009718	0.344918051	-0.58496	0.32734	-1.01197	0.049455
MvsS	Slc6a19	0.504041561	0.550364028	-1.2895	0.212647	-1.79355	0.038167
MvsS	Irx1	2.378506847	0.061129313	5.18E-16	1	-2.37851	0.024922
MvsS	Hacd1	0.482910989	0.133690057	-1.15788	0.065219	-1.64079	0.00052
MvsS	Ap3b2	2.201629513	0.080280442	5.18E-16	1	-2.20163	0.036528
MvsS	Odf3	-1.584960554	0.152927215	0.415038	0.661822	1.999998	0.039604
MvsS	Niban3	-0.461331429	0.287807979	0.796468	0.196207	1.257798	0.014085
MvsS	Foxred2	-0.228819	0.653168693	0.861294	0.173961	1.090113	0.038586
MvsS	Irs1	0.04064151	0.96639378	1.584962	0.074196	1.54432	0.033362
MvsS	Sptb	-0.517884862	0.044369636	0.655603	0.328592	1.173486	0.028828
MvsS	Cebpb	-0.103836309	0.827407457	0.935984	0.110199	1.03982	0.027729
MvsS	Map3k6	-0.814968087	0.305782281	0.466319	0.530222	1.281286	0.046469
MvsS	Aadacl4fm	2.321923457	0.066747004	5.18E-16	1	-2.32192	0.02819
MvsS	Ugt1a8	1.464665512	0.198676777	-0.73696	0.562023	-2.20163	0.036528
MvsS	Il27	-0.959357012	0.380658682	1.584962	0.070555	2.544319	0.002496
MvsS	Aqp8	0.97923978	0.324167964	-0.90046	0.435535	-1.8797	0.046165
MvsS	Rpl13-ps1	-0.447459181	0.525306559	0.874469	0.189595	1.321928	0.02294
MvsS	Mlxip	-0.269911365	0.351949021	0.81884	0.144799	1.088751	0.016533
MvsS	Cd86	-0.832385293	0.019604168	0.248536	0.628289	1.08092	0.011436
MvsS	Kbtbd6	0.635002234	0.387358678	-0.69514	0.441769	-1.33015	0.038666
MvsS	Apod	0.485426084	0.539898856	-1.58496	0.166746	-2.07039	0.027255
MvsS	Cers4	0.802908091	0.128357046	-0.60451	0.27959	-1.40742	0.013947
MvsS	Col6a5	-3.28477E-16	1	2.169922	0.056737	2.169923	0.019774
MvsS	Al854703	-1.222390798	0.288723079	0.684498	0.465142	1.906889	0.04283
MvsS	Cdh13	-0.736964452	0.553939828	1.263034	0.210661	1.999998	0.032754
MvsS	Il12rb2	-0.407658232	0.450774151	1.027481	0.095105	1.435139	0.006085
MvsS	Ddi1	0.418312161	0.446802854	-0.787	0.299435	-1.20532	0.049206
MvsS	Phlpp1	-0.270235051	0.378387037	0.740368	0.15391	1.010602	0.016072
MvsS	Itih4	0.337034491	0.572603521	-1.66296	0.060552	-2	0.006979
MvsS	Ccrl2	-0.00761359	0.986664226	1.032844	0.07758	1.040457	0.028889
MvsS	Clec4b1	-0.736964935	0.510221765	1.025535	0.28741	1.7625	0.042434
MvsS	Psat1	-0.344648467	0.445015694	0.748194	0.228099	1.092841	0.030741
MvsS	Mall	-0.900464372	0.20383427	0.203873	0.77522	1.104337	0.042698
MvsS	Pmepa1	-0.175087106	0.759792341	0.906891	0.179943	1.081978	0.049909
MvsS	Ankrd55	-0.415037926	0.604951707	1.044395	0.175487	1.459432	0.013495
MvsS	Anxa3	-0.661016902	0.103799018	0.397878	0.496322	1.058894	0.027018
MvsS	Etv5	-0.992222703	0.064596728	0.15687	0.798084	1.149092	0.040251
MvsS	Tnfrsf9	0.388564594	0.613348971	-1.2895	0.212647	-1.67807	0.043446
MvsS	Traj42	-0.189478164	0.814984432	1.013806	0.18088	1.203284	0.049848
MvsS	Ftl1-ps2	0.033552139	0.959176377	-1.5025	0.093585	-1.53605	0.042052
MvsS	Bmf	-0.820381839	0.131864949	0.457958	0.504768	1.278339	0.037715
MvsS	Stag3	-1.011140667	0.112254689	0.343955	0.628456	1.355095	0.013818
MvsS	Il2rb	-0.412712724	0.242382545	0.736676	0.191195	1.149387	0.006073
MvsS	Myof	-0.981588159	0.064138793	0.460635	0.486288	1.442222	0.003093
MvsS	Amot	0.66742395	0.299480424	-0.91754	0.281793	-1.58496	0.023198
MvsS	Mgl2	-0.251538686	0.830230828	1.432959	0.139551	1.684497	0.043411

**TableS2: Average normalized counts (CPM) of Top 50 DEGs in Control, Mild / Moderate and Severe groups**n = 3 control, n = 5 Mild / moderate and n = 4 severe, Log FC  $\geq$  1, p < 0.05.

Gene_Name	Control_average	Mild_average	Severe_average
Dgat2l6	0	1.441775383	90.78964262
Itgb2l	0.090762541	1.273221741	4.090484021
Tdgf1	0.199071993	2.000034256	4.530331211
Il4ra	79.8955948	147.7871532	284.0095143
Kcnk13	0.1764307	1.052876293	1.936433543
Cish	0.984660917	7.215098612	11.08321872
Havcr2	0.855635765	3.493535218	5.290026478
Rgs1	2.428228918	14.4329623	20.73603648
Gadd45g	1.514561987	6.584703577	9.19184135
Sft2d2	69.32885945	125.3414008	172.2960753
Pkib	3.497228745	12.17470037	12.96046099
Socs1	4.43547519	12.92156869	13.38806024
Osm	5.123638451	12.55554523	12.89078535
Nampt	20.97388234	40.41752416	38.14685581
Slc7a2	0.049767998	1.517780039	1.364483085
Myc	4.385098221	9.563286102	8.310625068
Cd83	6.82577967	37.90243926	32.56706177
Gpr65	7.256176049	20.49694503	16.84437605
Nek2	2.48667169	5.808290316	3.90620148
Clec5a	8.995834349	25.86738348	16.71791188
Fcgr2b	24.68545179	65.95746455	41.9539376
Mrc1	0.289834534	10.47164643	6.645727078
Inhba	0.257004478	2.633948043	1.463655344
Abcd2	27.62926627	75.62938648	37.65983623
Chpt1	2.515921354	8.841683683	3.57293351
Ffar2	0.085668159	3.28113394	0.391676048
Ace	10.37354062	2.326881029	9.939993487
Lrp1	27.1806617	7.892766006	25.00303264
Ptpro	7.138599725	1.633522181	5.063339691
P2ry14	4.264563102	1.23716054	3.712867986
Pid1	15.10445089	1.942970764	5.311106342
Hspb11	2.561203942	0.692226163	1.885184982
Dna2	8.346487919	3.882899776	9.409853775
Grk3	9.570293479	3.226508903	7.033532824
Naip5	6.654787579	2.036162223	4.206286478
Ccl9	30.91994338	9.696788879	18.67435873
Cdk5r1	3.19555065	1.301213745	2.321765571
Krt13	10.99292072	3.590696987	6.067011333
Mx1	5.169332643	1.691265523	2.825394062
Pld4	21.6233299	9.007064599	14.369016
Flt3	2.479823828	0.513420528	0.751761863
Bcl9l	11.01750925	4.336019836	5.645575802
Cfh	15.09724798	4.565222677	5.686861121
Stx3	5.92633743	2.397952893	2.811892785
Cx3cr1	8.442995937	1.493253468	1.618504906
Naip6	6.97780297	2.415046038	2.469805028
Ccr3	12.01656092	4.721887187	3.795530322
H2-Q10	3.260417053	1.284572387	1.003014787
Wwtr1	24.07098018	5.302696408	3.889197866
Apoe	50.40294724	21.7793249	12.4561951