

ID	GENE	logFC-(Tg-AKI/Tg-no AKI)	PValue
ENSMUSG00000096403	NA	-8.821673306	4.10E-13
ENSMUSG00000075391	NA	-8.608601931	9.91E-21
ENSMUSG00000059040	ENO1	-7.337824176	1.04E-10
ENSMUSG00000066407	NA	-7.199125081	4.73E-21
ENSMUSG00000064193	NA	-6.569638956	1.69E-09
ENSMUSG00000074435	NA	-6.478961775	3.97E-21
ENSMUSG00000040907	ATP1A3	-6.261709666	9.15E-22
ENSMUSG00000024029	TFF3	-6.026113524	1.01E-08
ENSMUSG00000091498	NA	-5.477250843	5.99E-26
ENSMUSG00000072575	EDDM3B	-5.451259097	1.54E-16
ENSMUSG00000074479	NA	-5.324103569	1.59E-05
ENSMUSG00000016349	EEF1A2	-5.110094136	8.35E-06
ENSMUSG00000074768	BHMT	-5.086493433	6.77E-09
ENSMUSG00000080242	ATP6V0C-PS2	-4.866691637	9.71E-24
ENSMUSG00000053852	GPR112	-4.694071717	0.00023378
ENSMUSG00000040495	CHRM4	-4.64910609	1.75E-05
ENSMUSG00000021613	HAPLN1	-4.584499916	3.54E-05
ENSMUSG00000073403	NA	-4.577494966	1.02E-15
ENSMUSG00000005716	PVALB	-4.471391362	9.22E-27
ENSMUSG00000079507	H2-Q1	-4.443279982	1.98E-15
ENSMUSG00000079491	H2-T10	-4.376668204	3.72E-27
ENSMUSG00000092444	NA	-4.164769228	5.02E-06
ENSMUSG00000060177	KLK1B22	-4.076954659	3.00E-09
ENSMUSG00000090817	GM4450	-4.00186636	4.15E-15
ENSMUSG00000001155	FTCD	-3.893922531	1.23E-24
ENSMUSG00000003477	INMT	-3.87811878	4.95E-20
ENSMUSG00000025936	GM4956	-3.824609745	3.51E-12
ENSMUSG00000030244	GYS2	-3.674759223	6.17E-23
ENSMUSG00000022366	SLC22A22	-3.667861334	7.36E-36
ENSMUSG00000041052	SLC7A13	-3.557300247	1.94E-22
ENSMUSG00000034871	FAM151A	-3.554307158	3.50E-28
ENSMUSG00000063458	1700112E06RIK	-3.533257911	3.03E-08
ENSMUSG00000021207	AKR1C21	-3.414551258	2.44E-36
ENSMUSG00000074218	COX7A1	-3.394916172	6.05E-21
ENSMUSG00000020051	PAH	-3.3895605	2.01E-18
ENSMUSG00000063590	SLC22A28	-3.366617184	2.07E-20
ENSMUSG00000023979	GUCA1B	-3.257078303	4.16E-05
ENSMUSG00000029445	HPD	-3.181631288	1.14E-06
ENSMUSG00000038526	CAR14	-3.153020571	1.88E-17
ENSMUSG00000038704	ASPDH	-3.124372742	1.95E-37
ENSMUSG00000021416	ECI3	-3.096996583	3.49E-30
ENSMUSG00000003410	ELAVL3	-3.065791247	1.23E-06

ENSMUSG00000001334	FNDC5	-3.062744561	2.86E-08
ENSMUSG000000057103	CML1	-3.057384905	2.79E-15
ENSMUSG000000030825	HSD17B14	-3.057069081	5.07E-09
ENSMUSG000000039438	TTC36	-3.056222944	5.57E-24
ENSMUSG000000028919	ARHGEF19	-3.022709163	7.42E-07
ENSMUSG000000047502	MROH7	-2.971001012	2.46E-19
ENSMUSG000000095388	HSD3B4	-2.928714161	1.55E-07
ENSMUSG000000022613	MIOX	-2.924509321	2.00E-22
ENSMUSG000000021490	SLC34A1	-2.899892046	8.89E-18
ENSMUSG000000015451	NA	-2.898879775	1.52E-07
ENSMUSG000000062410	HSD3B3	-2.834688713	3.45E-10
ENSMUSG000000011148	ADSSL1	-2.812184124	1.52E-12
ENSMUSG000000045034	ANKRD34B	-2.773570614	5.14E-06
ENSMUSG000000071633	GM4952	-2.768267684	3.14E-07
ENSMUSG000000055114	NA	-2.764738654	1.04E-07
ENSMUSG000000023120	GM853	-2.718010085	1.84E-10
ENSMUSG000000027965	OLFM3	-2.704359906	2.75E-07
ENSMUSG000000056973	CES1D	-2.688576719	4.50E-12
ENSMUSG000000059406	TMPRSS9	-2.676984087	3.81E-07
ENSMUSG000000058914	C1QTNF3	-2.670771833	1.88E-28
ENSMUSG000000029059	FAM213B	-2.665446699	6.38E-17
ENSMUSG000000048368	OMD	-2.660770458	5.68E-05
ENSMUSG000000053168	9030619P08RIK	-2.657371673	5.96E-06
ENSMUSG000000001270	CKB	-2.651150202	8.84E-23
ENSMUSG000000006542	PRKAG3	-2.638099426	6.86E-05
ENSMUSG000000026348	ACMSD	-2.632918576	2.09E-07
ENSMUSG000000028571	CYP2J13	-2.627263891	5.14E-16
ENSMUSG000000026189	PECR	-2.621994186	5.41E-22
ENSMUSG000000005980	DNASE1	-2.619218043	1.28E-12
ENSMUSG000000061959	CES1E	-2.570634522	2.86E-17
ENSMUSG000000040276	PACSIN1	-2.56338514	4.30E-06
ENSMUSG000000061808	TTR	-2.553700483	0.01653089
ENSMUSG000000037548	H2-DMB2	-2.549527877	6.48E-08
ENSMUSG000000036377	C530008M17RIK	-2.549024058	1.51E-05
ENSMUSG000000070530	WFDC16	-2.526899211	4.13E-05
ENSMUSG000000096062	NA	-2.525396506	3.20E-06
ENSMUSG000000027227	SORD	-2.51877212	9.12E-12
ENSMUSG000000072664	UGT3A1	-2.511983981	7.09E-17
ENSMUSG000000018211	WFDC15B	-2.508644954	1.43E-19
ENSMUSG000000066097	CYP2J11	-2.499458689	8.29E-22
ENSMUSG000000022454	NELL2	-2.473663785	0.00033021
ENSMUSG000000039710	SLC7A12	-2.459588252	3.43E-05
ENSMUSG000000006469	SLC34A3	-2.457487571	1.90E-31

ENSMUSG00000085772	NA	-2.455346583	1.41E-11
ENSMUSG00000030498	GAS2	-2.451435845	1.15E-21
ENSMUSG00000025243	SLC6A20B	-2.437935603	3.22E-18
ENSMUSG00000036813	ENTPD8	-2.43567989	1.85E-17
ENSMUSG00000047246	HIST1H2BC	-2.433291274	0.00012337
ENSMUSG00000030228	PIK3C2G	-2.425105698	6.62E-06
ENSMUSG00000000805	CAR4	-2.4183708	1.06E-23
ENSMUSG00000032401	LCTL	-2.41627906	3.51E-05
ENSMUSG00000032010	USP2	-2.408441391	7.23E-12
ENSMUSG00000078627	42073	-2.39044104	0.00253764
ENSMUSG00000063796	SLC22A8	-2.377113877	2.45E-11
ENSMUSG00000040441	SLC26A10	-2.373785784	9.52E-06
ENSMUSG00000027887	SYPL2	-2.370304038	2.62E-11
ENSMUSG00000085057	NA	-2.356014337	2.94E-06
ENSMUSG00000006342	SUSD2	-2.355608296	4.96E-26
ENSMUSG00000001467	CYP51	-2.350487123	1.95E-29
ENSMUSG00000089635	NA	-2.337829578	0.01071597
ENSMUSG00000029482	AACS	-2.299031746	6.52E-20
ENSMUSG00000072115	ANG	-2.285633545	1.66E-05
ENSMUSG00000076928	NA	-2.284278178	0.00012841
ENSMUSG00000036564	NDRG4	-2.280208735	6.74E-07
ENSMUSG00000057228	AADAT	-2.273894668	3.17E-12
ENSMUSG00000027896	SLC16A4	-2.269798608	3.77E-23
ENSMUSG00000028150	RORC	-2.258483197	2.29E-08
ENSMUSG00000076441	ASS1	-2.223741531	2.87E-10
ENSMUSG00000028737	ALDH4A1	-2.222470829	1.20E-15
ENSMUSG00000022235	CMBL	-2.200189219	2.42E-15
ENSMUSG00000022763	AIFM3	-2.199508286	7.57E-18
ENSMUSG00000045282	TMEM86B	-2.193066065	3.38E-10
ENSMUSG00000022679	MPV17L	-2.184505	1.29E-18
ENSMUSG00000039364	SECTM1B	-2.182643869	4.93E-06
ENSMUSG00000018554	YBX2	-2.181573142	2.24E-20
ENSMUSG00000023262	ACY1	-2.178933803	1.81E-11
ENSMUSG00000055866	PER2	-2.155033465	7.21E-05
ENSMUSG00000061906	UGT2B38	-2.154679249	1.18E-13
ENSMUSG00000025610	MAP3K7CL	-2.153997132	1.57E-10
ENSMUSG00000068086	CYP2D9	-2.149786701	4.75E-05
ENSMUSG00000035699	SLC51A	-2.147521933	1.99E-12
ENSMUSG00000043789	VWCE	-2.147173803	2.81E-09
ENSMUSG00000073405	NA	-2.143974388	3.43E-09
ENSMUSG00000048911	RNF24	-2.14123805	6.62E-24
ENSMUSG00000029193	CCKAR	-2.13943726	1.54E-08
ENSMUSG00000021876	RNASE4	-2.136689597	9.58E-08

ENSMUSG00000083282	CTSF	-2.13081569	1.62E-10
ENSMUSG00000057880	ABAT	-2.130698096	6.96E-13
ENSMUSG00000024743	SYT7	-2.126590517	9.51E-10
ENSMUSG00000069805	FBP1	-2.124667063	2.77E-15
ENSMUSG00000026649	1700009P17RIK	-2.119235533	2.01E-05
ENSMUSG00000022445	CYP2D26	-2.109322947	3.36E-16
ENSMUSG00000080115	LOC100504608	-2.098332672	1.09E-06
ENSMUSG00000036764	DNAJC12	-2.097947978	2.14E-12
ENSMUSG00000046840	0610008F07RIK	-2.082376807	9.20E-07
ENSMUSG00000013611	SNX31	-2.075517406	4.59E-09
ENSMUSG00000006529	ITIH1	-2.071812538	1.11E-07
ENSMUSG00000010066	CACNA2D2	-2.067797884	0.00024884
ENSMUSG00000019906	LIN7A	-2.064656229	1.12E-07
ENSMUSG00000025059	GYK	-2.050506829	7.17E-10
ENSMUSG00000020774	ASPA	-2.049252758	7.89E-10
ENSMUSG00000024757	SLC22A19	-2.048539379	2.70E-07
ENSMUSG00000089712	NA	-2.048212193	0.00039649
ENSMUSG00000025350	RDH5	-2.044960872	3.67E-11
ENSMUSG00000078439	2210404O07RIK	-2.036019777	2.59E-22
ENSMUSG00000031725	CES1F	-2.034241604	1.06E-13
ENSMUSG00000059027	9630013D21RIK	-2.027625783	4.68E-08
ENSMUSG00000075044	SLC22A29	-2.025151598	3.73E-05
ENSMUSG00000037005	XPNPEP2	-2.020153112	1.26E-07
ENSMUSG00000025732	FAM195A	-2.005811863	6.56E-27
ENSMUSG00000044628	RNF208	-2.00114205	1.92E-10
ENSMUSG00000030769	SLC5A11	-1.998437435	2.47E-09
ENSMUSG00000039154	SHD	-1.996427018	1.71E-07
ENSMUSG00000025937	LACTB2	-1.991038478	3.85E-11
ENSMUSG00000097383	NA	-1.983887138	2.91E-09
ENSMUSG00000039519	CYP7B1	-1.982390236	0.00040354
ENSMUSG00000000673	HAAO	-1.981008346	1.86E-23
ENSMUSG00000019232	ETNPPL	-1.968443198	1.12E-06
ENSMUSG00000028773	FABP3	-1.963005496	2.40E-13
ENSMUSG00000024039	CBS	-1.961611979	2.97E-18
ENSMUSG00000044165	BCL2L15	-1.954387704	0.01224401
ENSMUSG00000004341	GPX6	-1.954340454	2.23E-10
ENSMUSG00000040258	NXPH4	-1.954066583	0.00196325
ENSMUSG00000029864	GSTK1	-1.953408743	4.93E-09
ENSMUSG00000074639	BC089597	-1.950958697	3.35E-13
ENSMUSG00000029369	AFM	-1.949176109	6.45E-17
ENSMUSG00000064342	NA	-1.948972417	1.90E-05
ENSMUSG00000059022	KCP	-1.948753764	4.33E-09
ENSMUSG00000034875	NUDT19	-1.946874468	1.80E-05

ENSMUSG00000034739	MFRP	-1.942157851	0.00300854
ENSMUSG00000038641	AKR1D1	-1.93474019	7.52E-05
ENSMUSG00000029122	EVC	-1.930653754	1.33E-15
ENSMUSG00000024727	TRPM6	-1.914586117	2.20E-09
ENSMUSG00000027239	MDK	-1.911503053	4.46E-06
ENSMUSG00000086054	NA	-1.910417331	1.52E-08
ENSMUSG00000027332	IVD	-1.91014451	3.61E-13
ENSMUSG00000045104	NA	-1.900256275	0.01712537
ENSMUSG00000038286	BPHL	-1.90007434	5.70E-17
ENSMUSG00000054986	SEC14L3	-1.884582941	1.14E-06
ENSMUSG00000022186	OXCT1	-1.864949592	1.82E-10
ENSMUSG00000020059	SYCP3	-1.861246806	7.97E-06
ENSMUSG00000004655	AQP1	-1.850912178	2.86E-10
ENSMUSG00000023044	CSAD	-1.843432509	2.09E-19
ENSMUSG00000000154	SLC22A18	-1.835575217	4.82E-15
ENSMUSG00000023031	CELA1	-1.825403495	2.74E-06
ENSMUSG00000068205	LOC101056500	-1.822738305	4.72E-15
ENSMUSG00000017718	AFMID	-1.818195728	5.34E-08
ENSMUSG00000025479	CYP2E1	-1.815861704	3.50E-05
ENSMUSG00000039323	IGFBP2	-1.812836246	0.00503613
ENSMUSG00000032224	FAM81A	-1.803062054	4.70E-10
ENSMUSG00000038298	PDZK1	-1.801932341	1.17E-07
ENSMUSG00000018459	SLC13A3	-1.798665356	8.72E-06
ENSMUSG00000036892	PRODH2	-1.793900832	1.27E-11
ENSMUSG00000023153	TMEM52	-1.785455954	6.19E-05
ENSMUSG00000015401	TMEM27	-1.783302021	1.64E-09
ENSMUSG00000053303	SLC22A26	-1.78282995	0.00329271
ENSMUSG00000028713	CYP4B1	-1.780016272	2.63E-07
ENSMUSG00000043719	COL6A6	-1.779109753	0.00244607
ENSMUSG00000015083	C8G	-1.774444084	4.97E-09
ENSMUSG00000042210	ABHD14A	-1.768130674	2.36E-14
ENSMUSG00000021228	ACOT3	-1.76247932	1.90E-05
ENSMUSG00000030945	ACSM2	-1.761554461	3.58E-07
ENSMUSG00000020150	GAMT	-1.760080881	1.97E-08
ENSMUSG00000060240	CEND1	-1.759953437	0.00242842
ENSMUSG00000044249	DEFB29	-1.756915916	2.07E-13
ENSMUSG00000024665	FADS2	-1.748618966	1.23E-16
ENSMUSG00000029650	SLC46A3	-1.741909501	6.13E-14
ENSMUSG00000054474	THNSL2	-1.740769902	1.42E-11
ENSMUSG00000027761	AADAC	-1.725382106	3.43E-13
ENSMUSG00000000486	42248	-1.724201434	2.04E-05
ENSMUSG00000026866	KYNU	-1.717805125	0.00094281
ENSMUSG00000024866	ACY3	-1.71749579	1.13E-06

ENSMUSG00000053329	LOC100046684	-1.711876485	1.83E-16
ENSMUSG00000002908	KCNN1	-1.708640443	7.31E-06
ENSMUSG000000024064	GALNT14	-1.699801198	6.52E-11
ENSMUSG000000066071	CYP4A12A	-1.697309613	0.00016495
ENSMUSG000000062908	ACADM	-1.690445374	7.83E-10
ENSMUSG000000032590	APEH	-1.687561366	3.16E-14
ENSMUSG000000033427	UPB1	-1.686948613	7.72E-13
ENSMUSG000000079011	NA	-1.686784291	0.00619017
ENSMUSG000000025911	ADHFE1	-1.685633319	5.55E-12
ENSMUSG000000024899	PAPSS2	-1.681068199	5.69E-11
ENSMUSG000000025871	4833439L19RIK	-1.674355207	4.59E-09
ENSMUSG000000032648	PYGM	-1.673258938	3.72E-07
ENSMUSG000000034258	MFSD7C	-1.664377725	1.89E-07
ENSMUSG000000032047	ACAT1	-1.652353549	1.70E-09
ENSMUSG000000000958	SLC7A7	-1.648847065	7.55E-06
ENSMUSG000000086784	ISOC2A	-1.64621917	2.46E-07
ENSMUSG000000052520	CYP2J5	-1.646081359	3.97E-10
ENSMUSG000000029499	PXMP2	-1.643426711	1.89E-08
ENSMUSG000000031431	TSC22D3	-1.642428439	4.69E-05
ENSMUSG000000055301	ADH7	-1.641099331	0.0001619
ENSMUSG000000001095	SLC13A2	-1.638120478	4.16E-08
ENSMUSG000000029311	HSD17B11	-1.63661966	4.66E-07
ENSMUSG000000026890	LHX6	-1.63636095	0.01496864
ENSMUSG000000026368	F13B	-1.635257536	2.55E-09
ENSMUSG000000038497	TMCO3	-1.634613596	2.46E-18
ENSMUSG000000036832	LPAR3	-1.634281301	0.00014558
ENSMUSG000000035948	ACSS3	-1.633825199	0.001333
ENSMUSG000000006235	EPOR	-1.628188147	0.0006868
ENSMUSG000000048997	ATXN7L2	-1.617502203	1.26E-09
ENSMUSG000000039652	CPEB3	-1.616255562	3.87E-09
ENSMUSG000000087305	A430035B10RIK	-1.608738385	0.00066682
ENSMUSG000000038085	CNBD2	-1.608595877	3.45E-07
ENSMUSG000000029162	KHK	-1.603619008	8.00E-13
ENSMUSG000000034796	CPNE7	-1.597774559	0.00065258
ENSMUSG000000031770	HERPUD1	-1.594800597	1.80E-06
ENSMUSG000000030657	XYLT1	-1.59408788	2.86E-09
ENSMUSG000000048731	GGNBP1	-1.59162132	1.76E-10
ENSMUSG000000041698	SLCO1A1	-1.585817998	2.04E-09
ENSMUSG000000030359	PZP	-1.584534349	4.69E-07
ENSMUSG000000015568	LPL	-1.583159109	7.19E-06
ENSMUSG000000025726	SLC28A1	-1.582511156	8.42E-05
ENSMUSG000000028167	BDH2	-1.581078533	1.61E-12
ENSMUSG000000020098	PCBD1	-1.579482455	7.92E-15

ENSMUSG00000023122	SULT1C2	-1.579157062	5.08E-05
ENSMUSG00000025762	LOC100503217	-1.577684441	2.08E-05
ENSMUSG00000017453	PIPOX	-1.575142251	6.82E-10
ENSMUSG00000034449	DHRS11	-1.574668417	1.44E-15
ENSMUSG00000039783	KMO	-1.570709694	4.29E-09
ENSMUSG00000025453	NNT	-1.570107838	3.80E-13
ENSMUSG00000055333	FAT2	-1.564378337	0.00054362
ENSMUSG00000064202	4430402I18RIK	-1.561832867	2.69E-05
ENSMUSG00000027359	SLC27A2	-1.561133227	3.02E-06
ENSMUSG00000039481	NRTN	-1.560816521	1.46E-06
ENSMUSG00000021646	MCCC2	-1.559010236	7.95E-12
ENSMUSG00000050097	CES2B	-1.551686234	2.15E-05
ENSMUSG00000038224	SERPINF2	-1.54946341	1.64E-12
ENSMUSG00000063564	COL23A1	-1.548837894	0.00279005
ENSMUSG00000055430	NAP1L5	-1.545805283	0.0025029
ENSMUSG00000092626	NA	-1.545525798	0.00083052
ENSMUSG00000020593	LPIN1	-1.543728502	1.76E-08
ENSMUSG00000029102	HGFAC	-1.537401064	0.00235753
ENSMUSG00000097930	NA	-1.537216544	0.00102513
ENSMUSG00000003809	GCDH	-1.536088857	3.41E-09
ENSMUSG00000020186	CSRP2	-1.531931258	8.01E-12
ENSMUSG00000042073	ABHD14B	-1.531879799	1.21E-11
ENSMUSG00000039450	DCXR	-1.527563943	6.28E-17
ENSMUSG00000034226	RHOV	-1.527471397	9.69E-05
ENSMUSG00000039395	MREG	-1.527116575	7.72E-05
ENSMUSG00000052595	A1CF	-1.524365989	1.79E-07
ENSMUSG00000097258	NA	-1.517760624	0.00138502
ENSMUSG00000005681	APOA2	-1.516724935	0.00951462
ENSMUSG00000022490	PPP1R1A	-1.513950859	1.73E-06
ENSMUSG00000089678	AGXT2	-1.512814218	1.71E-10
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ENSMUSG00000080950	NA	-1.49991807	0.00396177
ENSMUSG00000025903	LYPLA1	-1.498876889	7.05E-10
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ENSMUSG00000028528	DNAJC6	-1.49699558	5.45E-06
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ENSMUSG00000002769	GNMT	-1.496261253	8.34E-07

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ENSMUSG00000041650	PCCA	-1.492570768	9.18E-14
ENSMUSG00000025776	CRISPLD1	-1.491090977	0.00104379
ENSMUSG00000024421	LAMA3	-1.490654003	0.00075151
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ENSMUSG00000045257	MORN2	-1.482811803	1.25E-07
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ENSMUSG00000026568	MPC2	-1.476237301	1.88E-13
ENSMUSG00000024644	CNDP2	-1.475761258	2.28E-08
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ENSMUSG00000029735	TPK1	-1.185369311	2.09E-10

ENSMUSG00000026687	ALDH9A1	-1.184687785	3.82E-06
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ENSMUSG00000006818	SOD2	-1.176713518	3.34E-09
ENSMUSG00000034171	FAAH	-1.176002227	5.20E-07
ENSMUSG00000024131	SLC3A1	-1.175183161	1.89E-06
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ENSMUSG00000042102	DMGDH	-1.171946993	1.02E-09
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ENSMUSG00000028461	CCDC107	-1.170884281	3.62E-10
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ENSMUSG00000036278	MACROD1	-1.158705943	4.78E-06
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ENSMUSG00000011658	FUZ	-1.093003186	5.09E-07
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ENSMUSG00000025158	RFNG	-1.085729128	1.27E-07
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ENSMUSG00000038690	ATP5J2	-1.083716589	6.75E-07
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ENSMUSG00000046718	BST2	1.03512473	0.00460837
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ENSMUSG00000021703	SERINC5	1.251831151	1.28E-11
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ENSMUSG00000031400	G6PDX	1.254527208	2.68E-09
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ENSMUSG00000053137	MAPK11	1.264161603	0.00010374
ENSMUSG00000029761	CALD1	1.265045288	2.49E-08
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ENSMUSG00000013629	CAD	1.269175787	4.78E-06
ENSMUSG00000007029	VARS	1.272533322	1.93E-11
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ENSMUSG000000002870	MCM2	1.313366966	1.57E-05
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ENSMUSG000000026274	PASK	1.314975097	0.00183384
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ENSMUSG000000026896	IFIH1	1.32280779	3.40E-05
ENSMUSG000000045629	SH3TC2	1.32304496	2.26E-07
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ENSMUSG000000018593	SPARC	1.330326962	3.68E-07
ENSMUSG000000059552	TRP53	1.330487392	3.95E-11
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ENSMUSG000000029700	SLC13A1	1.345486405	4.15E-07
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ENSMUSG00000060594	LAYN	1.392910712	0.00157707
ENSMUSG00000016024	LBP	1.399604937	0.00108729
ENSMUSG00000073016	UPRT	1.399664941	9.55E-05
ENSMUSG00000054400	CKLF	1.400365704	0.00405884
ENSMUSG00000047557	LXN	1.403379293	0.00015594
ENSMUSG00000044811	AF251705	1.404466417	0.01768786
ENSMUSG00000020846	FAM101B	1.405498311	1.53E-08
ENSMUSG00000028464	TPM2	1.406432508	1.50E-05
ENSMUSG00000062753	AI413582	1.407219609	3.48E-07
ENSMUSG00000040945	RCC2	1.419778165	1.46E-09
ENSMUSG00000048644	CTXN1	1.42159124	0.0017193
ENSMUSG00000027230	CREB3L1	1.422150738	8.76E-06
ENSMUSG00000038729	AKAP2	1.435106221	0.00444489
ENSMUSG00000027712	ANXA5	1.43541008	2.22E-10
ENSMUSG00000054408	SPCS3	1.439544872	2.29E-15
ENSMUSG00000022488	NCKAP1L	1.44104749	7.88E-06
ENSMUSG00000021508	CXCL14	1.445020997	2.10E-06
ENSMUSG00000029999	TGFA	1.445376209	0.0001713
ENSMUSG00000064310	ZPLD1	1.446298776	0.00032149
ENSMUSG00000050944	EFCAB5	1.454151494	0.01167438
ENSMUSG00000063018	NA	1.45465438	0.00087772
ENSMUSG00000048647	EXD1	1.460277076	0.00640125
ENSMUSG00000022098	BMP1	1.46075161	4.98E-09
ENSMUSG00000030271	OGG1	1.460824443	4.17E-08
ENSMUSG00000026478	LAMC1	1.461055232	2.04E-11
ENSMUSG00000005360	SLC1A3	1.467277525	0.0098355
ENSMUSG00000031503	COL4A2	1.469017603	1.64E-11

ENSMUSG00000067586	S1PR3	1.470471329	2.07E-06
ENSMUSG00000059791	NRM	1.472352328	0.00397291
ENSMUSG00000022912	PROS1	1.474660709	2.18E-13
ENSMUSG00000056116	H2-T9	1.474993221	0.00255235
ENSMUSG00000025196	CPN1	1.475283083	0.00509401
ENSMUSG00000048905	4930539E08RIK	1.480295052	0.00385941
ENSMUSG00000024937	EHBP1L1	1.480829186	3.15E-08
ENSMUSG00000045777	IFITM10	1.503734245	0.00170766
ENSMUSG00000036225	KCTD1	1.507109834	2.55E-08
ENSMUSG00000022665	CCDC80	1.509422403	0.00035444
ENSMUSG00000040552	C3AR1	1.510781104	0.00252256
ENSMUSG00000026249	SERPINE2	1.511246724	3.06E-07
ENSMUSG00000033373	LOC639541	1.517549497	8.29E-08
ENSMUSG00000022505	EMP2	1.520354136	6.07E-09
ENSMUSG00000092279	1500011B03RIK	1.528301885	0.00059005
ENSMUSG00000005973	RCN1	1.531240431	3.21E-08
ENSMUSG00000025492	IFITM3	1.532833023	7.67E-07
ENSMUSG00000034641	CD300LD	1.535297142	0.0104568
ENSMUSG00000042684	NPL	1.536973888	0.00037147
ENSMUSG00000033356	PUS7L	1.537883328	0.00041653
ENSMUSG00000033788	DYSF	1.538038298	2.12E-09
ENSMUSG00000032978	GUCA2B	1.538121166	4.98E-09
ENSMUSG00000097431	NA	1.539243555	0.00052834
ENSMUSG00000059714	FLOT1	1.543275172	6.37E-14
ENSMUSG00000043333	RHBDL2	1.546642786	0.00402324
ENSMUSG00000023800	TIAM2	1.550672733	6.45E-06
ENSMUSG00000024165	HN1L	1.551570564	2.14E-17
ENSMUSG00000003271	SULT2B1	1.551753929	0.00463906
ENSMUSG00000038387	RRAS	1.553128381	3.77E-16
ENSMUSG00000063160	NUMBL	1.554966139	7.03E-07
ENSMUSG00000028541	B4GALT2	1.555753399	4.44E-05
ENSMUSG00000036745	TTLL7	1.556949715	2.19E-06
ENSMUSG00000025221	KCNIP2	1.558329613	0.00529406
ENSMUSG00000032332	COL12A1	1.56006204	2.17E-08
ENSMUSG00000032271	NNMT	1.563043754	0.00429779
ENSMUSG00000025422	AGAP2	1.566668124	0.00391634
ENSMUSG00000030830	ITGAL	1.575536762	3.60E-05
ENSMUSG00000038400	PMEPA1	1.576445417	9.20E-11
ENSMUSG00000001435	COL18A1	1.580620171	1.62E-13
ENSMUSG00000036854	HSPB6	1.585736875	2.24E-07
ENSMUSG00000091243	VGLL3	1.586104097	0.0002292
ENSMUSG00000027661	SLC2A10	1.58949867	0.01494488
ENSMUSG00000057335	CEP170	1.593750715	6.92E-07

ENSMUSG00000025271	PFKFB1	1.594628276	0.00107416
ENSMUSG00000017697	ADA	1.596089764	0.00012036
ENSMUSG00000027496	AURKA	1.596443443	0.00892984
ENSMUSG00000002602	AXL	1.59958605	2.70E-10
ENSMUSG000000032113	CHEK1	1.600377075	0.01121476
ENSMUSG00000070942	IL1RL2	1.60177236	0.006679
ENSMUSG00000029674	LIMK1	1.602683714	2.41E-09
ENSMUSG000000037440	VNN1	1.606527366	2.09E-06
ENSMUSG00000028970	ABCB1B	1.611504912	7.87E-06
ENSMUSG00000056394	LIG1	1.611523708	4.93E-06
ENSMUSG000000031875	CMTM3	1.612090481	5.78E-07
ENSMUSG000000032334	LOXL1	1.615380326	1.57E-05
ENSMUSG000000000120	NGFR	1.615674317	0.01800738
ENSMUSG000000042804	GPR153	1.616932614	5.13E-05
ENSMUSG000000006930	HAP1	1.617164417	0.00031569
ENSMUSG000000046805	MPEG1	1.619093214	1.40E-08
ENSMUSG000000058396	GPR182	1.619131298	4.76E-07
ENSMUSG000000066441	RDH11	1.61970805	5.95E-11
ENSMUSG000000034205	LOXL2	1.626164636	7.19E-08
ENSMUSG000000061048	CDH3	1.639973557	6.23E-08
ENSMUSG000000032584	MST1R	1.643923374	0.00902424
ENSMUSG000000043832	CLEC4A3	1.650153633	0.01105185
ENSMUSG000000028459	CD72	1.650224885	0.00061114
ENSMUSG000000030789	ITGAX	1.652918857	0.00738246
ENSMUSG000000047878	A4GALT	1.654112858	6.92E-08
ENSMUSG000000016262	SERTAD4	1.655901422	0.00020372
ENSMUSG000000028634	HIVEP3	1.657624402	8.36E-05
ENSMUSG000000026303	MLPH	1.66052179	9.06E-07
ENSMUSG000000097180	2700038G22RIK	1.660806633	0.00126064
ENSMUSG000000073489	IFI204	1.662527299	0.00583573
ENSMUSG000000040714	KLC3	1.662627971	0.00105293
ENSMUSG000000028980	H6PD	1.664878058	2.04E-10
ENSMUSG000000045751	MMS22L	1.667675336	0.00010386
ENSMUSG000000021127	ZFP36L1	1.670087494	8.91E-08
ENSMUSG000000039126	PRUNE2	1.681496763	0.00290726
ENSMUSG000000024691	FAM111A	1.682383451	0.00035041
ENSMUSG000000079227	CCR5	1.682539878	5.97E-05
ENSMUSG000000043895	S1PR2	1.685504482	2.19E-06
ENSMUSG000000027864	PTGFRN	1.691827276	1.03E-09
ENSMUSG000000010751	TNFRSF22	1.696992639	0.00093088
ENSMUSG000000002458	RGS19	1.698585696	5.13E-06
ENSMUSG000000002603	TGFB1	1.700223298	3.03E-07
ENSMUSG000000066607	6030419C18RIK	1.70323823	0.00298621

ENSMUSG00000039954	STK32A	1.704938304	8.81E-07
ENSMUSG00000058099	NFAM1	1.713610578	0.00056031
ENSMUSG00000025001	HELLS	1.715319994	0.00154841
ENSMUSG00000020303	STC2	1.715728694	0.0023983
ENSMUSG00000035390	BRSK1	1.715807991	0.00524837
ENSMUSG00000046275	TUSC5	1.716181096	0.00336768
ENSMUSG00000026622	NEK2	1.717557387	6.28E-06
ENSMUSG00000025140	PYCR1	1.717643227	0.01385525
ENSMUSG00000028864	HGF	1.722197609	9.83E-05
ENSMUSG00000035783	ACTA2	1.735785084	5.91E-06
ENSMUSG00000042821	SNAI1	1.736609042	0.00025223
ENSMUSG00000028712	CYP4A31	1.737180216	8.17E-09
ENSMUSG00000030717	NUPR1	1.742246197	6.61E-05
ENSMUSG00000032269	HTR3A	1.744762956	0.01210807
ENSMUSG00000085068	NA	1.750462335	1.95E-08
ENSMUSG00000036902	NETO2	1.755050307	0.01062525
ENSMUSG00000020963	TSHR	1.765499495	0.00172212
ENSMUSG00000079017	IFI27L2A	1.774616181	0.00920893
ENSMUSG00000029163	EMILIN1	1.774665621	6.12E-09
ENSMUSG00000023004	GM5620	1.782744909	1.08E-14
ENSMUSG00000041886	MACC1	1.786471153	0.00059185
ENSMUSG00000024620	PDGFRB	1.786941458	1.11E-10
ENSMUSG00000096528	NA	1.787674888	0.01235304
ENSMUSG00000004267	ENO2	1.795638005	9.31E-05
ENSMUSG00000083992	NA	1.802304243	0.00051005
ENSMUSG00000031328	FLNA	1.81938612	1.09E-18
ENSMUSG00000040413	TIMD2	1.826344107	8.62E-09
ENSMUSG00000027204	FBN1	1.839518828	6.16E-06
ENSMUSG00000040447	SPNS2	1.845389363	2.92E-12
ENSMUSG00000033685	UCP2	1.851530199	8.66E-13
ENSMUSG00000063568	JAZF1	1.856952218	0.00187021
ENSMUSG00000005547	CYP2A5	1.859510357	0.00138825
ENSMUSG00000040212	EMP3	1.863916753	1.35E-06
ENSMUSG00000011256	ADAM19	1.866677618	6.38E-06
ENSMUSG00000056643	CHST13	1.870624394	0.00325605
ENSMUSG00000028542	SLC6A9	1.873266978	4.30E-09
ENSMUSG00000005470	ASF1B	1.876403903	0.00564889
ENSMUSG00000032744	HEYL	1.877359361	1.40E-05
ENSMUSG00000034173	2410018M08RIK	1.879880737	0.00325164
ENSMUSG00000001555	FKBP10	1.880312701	7.30E-07
ENSMUSG00000002835	CHAF1A	1.88874078	7.27E-05
ENSMUSG00000027994	CCDC109B	1.892036239	0.01282539
ENSMUSG00000036834	PLCH1	1.900863078	1.43E-05

ENSMUSG00000073599	ECSCR	1.90378451	3.05E-07
ENSMUSG00000024677	MS4A6B	1.905775309	6.23E-05
ENSMUSG00000058152	CHSY3	1.915775029	0.01504605
ENSMUSG00000021298	GPR132	1.916634283	0.00858593
ENSMUSG00000034059		1.917662848	0.01342271
ENSMUSG00000040618	PCK2	1.92010119	6.34E-10
ENSMUSG00000030187	KLRA2	1.921496576	0.00342826
ENSMUSG00000043017	PTGIR	1.92505646	0.00068818
ENSMUSG00000003849	NQO1	1.926892443	1.56E-24
ENSMUSG00000038742	ANGPTL6	1.930108495	0.01250499
ENSMUSG00000031497	TNFSF13B	1.934712524	0.00407366
ENSMUSG00000001525	TUBB5	1.955678687	5.46E-16
ENSMUSG00000028262	CLCA2	1.957201664	0.00106512
ENSMUSG00000038578	SUSD1	1.961003523	2.18E-10
ENSMUSG00000031861	LPAR2	1.978083257	9.24E-08
ENSMUSG00000074398	GM15441	1.982434502	0.00012534
ENSMUSG00000074415	2610203C20RIK	1.98275009	0.00031047
ENSMUSG00000020672	SNTG2	2.00060971	0.00053805
ENSMUSG00000055254	NTRK2	2.014248075	0.00692374
ENSMUSG00000030641	4632434I11RIK	2.045714996	0.00033845
ENSMUSG00000023000	DHH	2.06121102	0.0014228
ENSMUSG00000029868	TRPV6	2.074488246	1.25E-05
ENSMUSG00000031934	PANX1	2.07673124	4.53E-05
ENSMUSG00000028076	CD1D1	2.089418572	4.06E-05
ENSMUSG00000069516	LYZ2	2.093589764	1.51E-08
ENSMUSG00000028370	PAPPA	2.09637053	8.03E-09
ENSMUSG00000028327	1300002K09RIK	2.099456025	3.99E-11
ENSMUSG00000062480	ACAT3	2.114522255	1.21E-09
ENSMUSG00000054146	KRT15	2.153741763	0.00053816
ENSMUSG00000084416	NA	2.153743421	0.00117784
ENSMUSG00000060487	SAMD5	2.159423908	2.16E-06
ENSMUSG00000036545	ADAMTS2	2.162991056	8.92E-08
ENSMUSG00000032085	TAGLN	2.171511597	6.97E-15
ENSMUSG00000043263		2.178219751	0.00390905
ENSMUSG00000041481	NA	2.205653929	0.00130348
ENSMUSG00000063011	MSLN	2.211165131	0.00069491
ENSMUSG00000013698	PEA15A	2.212788842	2.77E-19
ENSMUSG00000037946	FGD3	2.218257711	1.74E-06
ENSMUSG00000020865	ABCC3	2.226955063	2.01E-07
ENSMUSG00000054675	TMEM119	2.232304149	2.58E-10
ENSMUSG00000068196	COL8A1	2.256754574	9.94E-16
ENSMUSG00000025064		2.268785907	0.00803515
ENSMUSG00000004098	COL5A3	2.280531532	1.79E-05

ENSMUSG00000031821	GINS2	2.299943317	4.55E-07
ENSMUSG00000015947	FCGR1	2.30224276	0.00014229
ENSMUSG00000005124	WISP1	2.318561132	5.18E-07
ENSMUSG000000055612	CDCA7	2.318918115	8.96E-05
ENSMUSG000000023908	PKMYT1	2.331391801	9.69E-06
ENSMUSG000000031297	SLC7A3	2.334421697	0.00336481
ENSMUSG000000044827	TLR1	2.350778057	7.26E-05
ENSMUSG00000013338	FER1L4	2.356935675	0.01012219
ENSMUSG000000053279	ALDH1A1	2.379450979	7.15E-09
ENSMUSG000000029819	NPY	2.412030043	0.01048909
ENSMUSG000000030474	SIGLECE	2.424749843	0.00029204
ENSMUSG000000046245	PILRA	2.446106818	7.53E-05
ENSMUSG000000026536		2.448168176	0.00175692
ENSMUSG000000003617	CP	2.486764332	5.62E-21
ENSMUSG000000035274	TPBG	2.48899061	1.82E-06
ENSMUSG000000029096	HTRA3	2.495821566	0.00011628
ENSMUSG000000024747	ALDH1A7	2.536670631	6.81E-09
ENSMUSG000000072494	PPP1R3E	2.54051763	1.51E-09
ENSMUSG000000006219	FBLIM1	2.540810853	7.46E-19
ENSMUSG000000074676	FOXS1	2.54555975	0.0001515
ENSMUSG000000037474	DTL	2.549954777	0.00801997
ENSMUSG000000020712	TCAM1	2.552027304	0.0092491
ENSMUSG000000008540	MGST1	2.617059054	5.79E-33
ENSMUSG000000029778	ADCYAP1R1	2.630949224	2.98E-06
ENSMUSG000000024672	MS4A7	2.631414971	6.20E-05
ENSMUSG000000050069	GREM2	2.64002274	0.00070473
ENSMUSG000000031379	PIR	2.642130089	4.93E-05
ENSMUSG000000030895	HPX	2.682377646	0.00081583
ENSMUSG000000047497	ADAMTS12	2.691938222	9.34E-06
ENSMUSG000000021999	CPB2	2.701797993	0.00012055
ENSMUSG000000035910	DCDC2A	2.730840318	9.16E-16
ENSMUSG000000066861		2.746928647	0.00432418
ENSMUSG000000021611	TERT	2.753162435	4.15E-07
ENSMUSG000000031803		2.77162459	0.00258535
ENSMUSG000000034528	HSD17B13	2.779570381	0.00774495
ENSMUSG000000034040	WBSCR17	2.791475774	0.0007338
ENSMUSG000000031098	SYT8	2.796368474	0.00106909
ENSMUSG000000006014	PRG4	2.811968729	4.97E-05
ENSMUSG000000030546	PLIN1	2.831058742	0.00488004
ENSMUSG000000036422	PCDH8	2.84659298	0.00152092
ENSMUSG000000064637	NA	2.878302001	0.00068932
ENSMUSG000000027750	POSTN	2.883438874	7.74E-09
ENSMUSG000000023992	TREM2	2.953483375	0.00390463

ENSMUSG00000054422	FABP1	2.976479483	0.00282928
ENSMUSG00000086481	NA	3.007390197	0.00034732
ENSMUSG00000027797	DCLK1	3.030423841	2.62E-06
ENSMUSG00000040133	GPR176	3.106847128	4.15E-07
ENSMUSG00000006638	ABHD1	3.221262446	0.00014378
ENSMUSG00000006642	TCF23	3.243466736	5.98E-06
ENSMUSG000000061780	CFD	3.268216386	0.01288532
ENSMUSG00000033576	APOL6	3.283436667	0.00087855
ENSMUSG00000075408	NA	3.352936261	0.00645614
ENSMUSG00000043705	CAPN13	3.36643866	3.25E-05
ENSMUSG00000035455	FIGNL1	3.405900519	3.70E-05
ENSMUSG00000019848	POPDC3	3.41303859	0.00122144
ENSMUSG00000047109	CLDN14	3.448786776	0.00017524
ENSMUSG00000030762	AQP8	3.510772473	0.00016977
ENSMUSG00000012705	RETN	3.55550908	0.00132889
ENSMUSG00000053687	DPEP2	3.636990344	2.63E-07
ENSMUSG00000022144		3.710243954	0.00136492
ENSMUSG00000096255	DYNLT1A	3.859016549	9.20E-06
ENSMUSG00000040017	SAA4	4.038114382	0.00017391
ENSMUSG00000059201	LEP	4.056850899	0.00058189
ENSMUSG00000052353	9930013L23RIK	4.07326862	8.83E-08
ENSMUSG00000076612	NA	4.090666065	0.00131461
ENSMUSG00000031271	SERPINA7	4.161598374	1.70E-06
ENSMUSG00000027875	HMGCS2	4.163088904	5.44E-24
ENSMUSG00000046623	GJB4	4.208708746	1.29E-12
ENSMUSG00000076614	NA	4.250821539	0.00289425
ENSMUSG000000061947	SERPINA10	4.371339314	3.69E-20
ENSMUSG00000042367	GJB3	4.416910923	7.90E-08
ENSMUSG00000022548	APOD	4.463494222	4.40E-05
ENSMUSG00000045545	KRT14	4.493639306	3.82E-07
ENSMUSG00000022780	MF12	4.532404483	2.20E-05
ENSMUSG00000074280	NA	4.537037002	0.00284422
ENSMUSG00000058216	BC021614	4.542938441	4.07E-06
ENSMUSG00000090634	NA	4.700299326	2.20E-05
ENSMUSG00000076555	NA	5.016313826	0.00733109
ENSMUSG00000048087	AHCY	5.253305442	8.55E-09
ENSMUSG00000093954	GM21464	5.622717719	2.51E-05
ENSMUSG00000074934	GREM1	5.826451943	8.62E-07
ENSMUSG00000026390	MARCO	6.852340093	0.00018592
ENSMUSG00000097848	NA	6.981725079	8.18E-07
ENSMUSG00000057465		7.33779796	3.48E-08
ENSMUSG00000018623	MMP7	7.613106169	8.29E-07
ENSMUSG00000082935	NA	7.747859945	4.51E-05