

ensgene	baseMean	log2FoldChar	lfcSE	stat	pvalue	padj
ENSMUSG000	452.166012	1.50261102	0.15855076	9.39099124	5.94E-21	6.86E-17
ENSMUSG000	400.047109	1.68727269	0.19238237	8.78217436	1.60E-18	9.26E-15
ENSMUSG000	3743.30103	-1.3017985	0.16239443	-7.9762067	1.51E-15	5.81E-12
ENSMUSG000	287.027636	-1.1466146	0.15253727	-7.5028921	6.24E-14	1.44E-10
ENSMUSG000	1294.55037	-1.1234054	0.14945014	-7.5188501	5.53E-14	1.44E-10
ENSMUSG000	1191.72975	-1.5453672	0.20585522	-7.4069901	1.29E-13	2.49E-10
ENSMUSG000	664.816894	-1.0714515	0.16217413	-6.594148	4.28E-11	7.05E-08
ENSMUSG000	253.678685	1.57247195	0.24567601	6.54100217	6.11E-11	8.82E-08
ENSMUSG000	1351.85289	1.01301931	0.15502881	6.52046534	7.01E-11	8.99E-08
ENSMUSG000	2650.12202	-1.1618648	0.18020054	-6.3775545	1.80E-10	2.08E-07
ENSMUSG000	409.652367	1.30993852	0.21331748	6.02242508	1.72E-09	1.80E-06
ENSMUSG000	509.638449	-1.2507619	0.2084572	-5.8936782	3.78E-09	3.63E-06
ENSMUSG000	111.447273	1.19203727	0.25777121	5.62530307	1.85E-08	1.64E-05
ENSMUSG000	199.843911	-1.0456421	0.18630693	-5.5769025	2.45E-08	2.02E-05
ENSMUSG000	1058.30306	-1.0036184	0.18065867	-5.5597711	2.70E-08	2.08E-05
ENSMUSG000	2600.93296	-0.9492725	0.17221899	-5.487186	4.08E-08	2.90E-05
ENSMUSG000	900.270806	0.84833074	0.15444605	5.47954617	4.26E-08	2.90E-05
ENSMUSG000	201.483893	-1.2673514	0.228571	-5.4465357	5.14E-08	3.29E-05
ENSMUSG000	1006.06657	-0.9495676	0.175536	-5.3244618	1.01E-07	5.31E-05
ENSMUSG000	100.205273	-1.0555913	0.19435667	-5.3315367	9.74E-08	5.31E-05
ENSMUSG000	1389.47138	-1.1166057	0.20718241	-5.3422831	9.18E-08	5.31E-05
ENSMUSG000	829.295897	0.81183484	0.15051444	5.3325019	9.69E-08	5.31E-05
ENSMUSG000	246.200008	-0.8593199	0.16325471	-5.2669334	1.39E-07	6.96E-05
ENSMUSG000	484.703069	-0.9642536	0.18292961	-5.2095454	1.89E-07	8.09E-05
ENSMUSG000	94.0701907	1.3655166	0.25544042	5.22645425	1.73E-07	8.09E-05
ENSMUSG000	233.7594	0.85025361	0.16307992	5.21431884	1.84E-07	8.09E-05
ENSMUSG000	2927.17942	-0.9659872	0.18378181	-5.2183127	1.81E-07	8.09E-05
ENSMUSG000	170.563763	0.94704631	0.17994494	5.1916539	2.08E-07	8.59E-05
ENSMUSG000	415.940065	-0.924273	0.17881356	-5.1076828	3.26E-07	1.30E-04
ENSMUSG000	686.424431	-0.8940379	0.17496165	-5.0711261	3.95E-07	1.52E-04
ENSMUSG000	56.7916214	-0.075688	0.0822969	-5.0487678	4.45E-07	1.66E-04
ENSMUSG000	2875.14862	-0.5082321	0.10157231	-5.0071866	5.52E-07	1.99E-04
ENSMUSG000	985.046119	-0.9636999	0.18980639	-4.9515655	7.36E-07	2.56E-04
ENSMUSG000	753.078837	-0.9781353	0.19576897	-4.9469051	7.54E-07	2.56E-04
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ENSMUSG000	151.020858	-0.8983502	0.18492688	-4.9090592	9.15E-07	2.93E-04
ENSMUSG000	1208.59777	-0.577831	0.11733033	-4.8795825	1.06E-06	3.32E-04
ENSMUSG000	381.08158	-0.8568933	0.17509544	-4.8443649	1.27E-06	3.58E-04
ENSMUSG000	197.420071	-0.8411195	0.17436033	-4.8446398	1.27E-06	3.58E-04
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ENSMUSG00(47.7410847	1.12073222	0.23457523	4.84735044	1.25E-06	3.58E-04
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ENSMUSG00(752.75992	-0.5732675	0.11977053	-4.7543801	1.99E-06	5.11E-04
ENSMUSG00(651.333066	-0.6042666	0.12933202	-4.6941609	2.68E-06	6.72E-04
ENSMUSG00(172.527296	0.95595486	0.20805405	4.66785194	3.04E-06	7.48E-04
ENSMUSG00(1008.67576	-0.9160822	0.19508351	-4.5539827	5.26E-06	0.00126598
ENSMUSG00(465.509179	-0.9426996	0.20353726	-4.5343994	5.78E-06	0.00128244
ENSMUSG00(1640.72161	-0.5837182	0.12917753	-4.5467527	5.45E-06	0.00128244
ENSMUSG00(1343.76022	-0.7827663	0.16942958	-4.5374247	5.69E-06	0.00128244
ENSMUSG00(118.199597	0.91667343	0.2081812	4.53827108	5.67E-06	0.00128244
ENSMUSG00(1258.42311	-0.9576664	0.20776175	-4.4813614	7.42E-06	0.00161547
ENSMUSG00(1157.16611	-0.6352579	0.1433526	-4.4629996	8.08E-06	0.00172776
ENSMUSG00(1940.00969	-0.6188852	0.13652579	-4.4343831	9.23E-06	0.00193806
ENSMUSG00(1985.20312	-0.569186	0.12897792	-4.4138039	1.02E-05	0.00209379
ENSMUSG00(2757.69389	-0.7718479	0.17457484	-4.4047829	1.06E-05	0.00214455
ENSMUSG00(6873.81955	-0.7620488	0.17246865	-4.3997625	1.08E-05	0.00215693
ENSMUSG00(2835.02267	-0.8390173	0.188648	-4.3867837	1.15E-05	0.00225087
ENSMUSG00(220.941121	-0.8711119	0.19478164	-4.3763273	1.21E-05	0.00232219
ENSMUSG00(1828.09225	-0.8339128	0.18726	-4.3718174	1.23E-05	0.00233182
ENSMUSG00(1009.6523	-0.5380481	0.12310368	-4.3645692	1.27E-05	0.00237161
ENSMUSG00(502.837574	-0.7153196	0.16529774	-4.3560762	1.32E-05	0.00238843
ENSMUSG00(52.5981727	1.08442822	0.24376369	4.35865328	1.31E-05	0.00238843
ENSMUSG00(725.793211	-0.6508207	0.15004371	-4.3359019	1.45E-05	0.00246732
ENSMUSG00(136.865873	0.72391754	0.16823034	4.33563826	1.45E-05	0.00246732
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ENSMUSG00(756.510494	-0.8467018	0.20192397	-4.33933	1.43E-05	0.00246732
ENSMUSG00(221.393396	0.71450152	0.16350658	4.32771367	1.51E-05	0.00252069
ENSMUSG00(262.66	0.91094383	0.20878005	4.30310113	1.68E-05	0.00277755
ENSMUSG00(889.101018	-1.030042	0.24227415	-4.2949798	1.75E-05	0.00284063
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ENSMUSG00(416.906305	0.77188329	0.17912146	4.2840797	1.83E-05	0.00287764
ENSMUSG00(334.126695	-1.0573859	0.24770636	-4.281973	1.85E-05	0.00287764
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ENSMUSG00(474.34719	-0.8965073	0.22594973	-4.1809226	2.90E-05	0.00403802
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ENSMUSG00(162.817138	0.9772793	0.24366479	4.17019139	3.04E-05	0.00414715
ENSMUSG00(283.712502	-0.9377255	0.22521212	-4.1393438	3.48E-05	0.00467533
ENSMUSG00(409.741133	0.75603653	0.18070195	4.131438	3.61E-05	0.00478347
ENSMUSG00(229.620294	0.80176849	0.19117723	4.12511656	3.71E-05	0.0048609
ENSMUSG00(1671.58379	-0.6697034	0.15764712	-4.1162947	3.85E-05	0.00499391
ENSMUSG00(1735.32182	-0.6372695	0.1514494	-4.0924373	4.27E-05	0.0052986
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ENSMUSG00(152.989696	0.94793534	0.22780046	4.08263988	4.45E-05	0.00546829
ENSMUSG00(200.832088	0.69622513	0.1698958	4.07771014	4.55E-05	0.00552671
ENSMUSG00(159.336144	0.65198616	0.1614354	4.03681902	5.42E-05	0.00651525
ENSMUSG00(207.880183	-0.726425	0.17953414	-4.0304729	5.57E-05	0.00662468
ENSMUSG00(1493.1288	-0.6132287	0.15221609	-4.0057087	6.18E-05	0.00728353
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ENSMUSG00(273.482812	0.57890532	0.14465876	3.97837504	6.94E-05	0.00770892
ENSMUSG00(301.028256	0.65483675	0.16535203	3.97816299	6.94E-05	0.00770892
ENSMUSG00(198.003476	-0.6787736	0.17033538	-3.97257	7.11E-05	0.00781708
ENSMUSG00(614.550276	-0.5769915	0.1428572	-3.9601057	7.49E-05	0.00815884
ENSMUSG00(245.945351	-0.7626668	0.19963533	-3.9546278	7.67E-05	0.00827002
ENSMUSG00(516.951429	-0.5744499	0.14537101	-3.9510782	7.78E-05	0.00831595
ENSMUSG00(2814.6885	-0.5432157	0.13669662	-3.9456143	7.96E-05	0.0083532
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ENSMUSG00(127.420986	-0.7491923	0.18783143	-3.9398959	8.15E-05	0.00847585
ENSMUSG00(547.796999	-0.6847919	0.17600688	-3.9352892	8.31E-05	0.00847585
ENSMUSG00(454.559442	-0.7719064	0.19257844	-3.931976	8.43E-05	0.00847585
ENSMUSG00(393.03572	-0.5190864	0.12934496	-3.9295113	8.51E-05	0.00847585
ENSMUSG00(60.0953612	-1.0612372	0.25790265	-3.9293674	8.52E-05	0.00847585
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ENSMUSG00(2771.29285	0.42046058	0.10684169	3.89866803	9.67E-05	0.00903907
ENSMUSG00(2035.90333	-0.5463547	0.14034973	-3.9048002	9.43E-05	0.00903907
ENSMUSG00(309.968385	0.90870433	0.22857024	3.91013326	9.22E-05	0.00903907
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ENSMUSG00(429.984965	-0.522264	0.13265377	-3.900564	9.60E-05	0.00903907
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ENSMUSG00(689.795563	-0.6430375	0.16388998	-3.8905112	1.00E-04	0.00923827
ENSMUSG00(298.537374	-0.8460709	0.21476736	-3.8824546	1.03E-04	0.00947408
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ENSMUSG00(808.903307	-0.450514	0.1163865	-3.8706494	1.09E-04	0.00978948
ENSMUSG00(663.353267	-0.6535851	0.16716243	-3.8590664	1.14E-04	0.01003565
ENSMUSG00(198.694099	-0.754334	0.19219969	-3.8570733	1.15E-04	0.01003565
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ENSMUSG00(451.392642	-0.6939087	0.18028351	-3.8436283	1.21E-04	0.01021506
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ENSMUSG00(79.2110221	0.7696632	0.19690316	3.83355223	1.26E-04	0.01040142
ENSMUSG00(756.291208	0.57961223	0.14840165	3.83211874	1.27E-04	0.01040142
ENSMUSG00(52.603779	-0.8891753	0.23009665	-3.8334625	1.26E-04	0.01040142
ENSMUSG00(93.1649245	0.82675993	0.21088333	3.82504967	1.31E-04	0.01062908
ENSMUSG00(2208.27006	-0.5341165	0.13867221	-3.8213493	1.33E-04	0.01064
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ENSMUSG00(243.685094	-0.5720995	0.15153698	-3.8033157	1.43E-04	0.01136664
ENSMUSG00(190.377932	0.62080802	0.16307843	3.79788816	1.46E-04	0.01138286
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ENSMUSG00(426.410459	0.55696174	0.14628552	3.79910013	1.45E-04	0.01138286
ENSMUSG00(118.114808	0.75537927	0.19842464	3.79582544	1.47E-04	0.0114009
ENSMUSG00(283.715955	-0.9847236	0.25275347	-3.7814294	1.56E-04	0.01170407
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ENSMUSG00(1750.04006	-0.6470683	0.16659284	-3.7811024	1.56E-04	0.01170407
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ENSMUSG00(2050.83415	0.4399966	0.11494573	3.77395251	1.61E-04	0.01189458
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ENSMUSG00(350.398854	0.56047107	0.14907273	3.76374823	1.67E-04	0.01222973
ENSMUSG00(6432.8246	-0.7734994	0.19978599	-3.7573837	1.72E-04	0.012466
ENSMUSG00(879.462729	-0.6108142	0.16173807	-3.7539029	1.74E-04	0.01256148
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ENSMUSG00(99.1319171	-0.76181	0.20392306	-3.7327192	1.89E-04	0.01341538

ENSMUSG00(145.291724	0.79858411	0.21231194	3.7289166	1.92E-04	0.01353638
ENSMUSG00(	202.671338	0.81103207	0.21047925	3.72567887	1.95E-04	0.01362824
ENSMUSG00(	1030.96906	-0.4983229	0.13406503	-3.7230235	1.97E-04	0.01368946
ENSMUSG00(	1143.99124	-0.5374802	0.14520424	-3.7139341	2.04E-04	0.013939
ENSMUSG00(	417.481963	-0.6137572	0.16387592	-3.714759	2.03E-04	0.013939
ENSMUSG00(	504.828602	-0.8568949	0.22275408	-3.7163644	2.02E-04	0.013939
ENSMUSG00(	298.649531	-0.7293871	0.19390639	-3.7033205	2.13E-04	0.01436558
ENSMUSG00(	571.210023	0.6684265	0.17791081	3.70437931	2.12E-04	0.01436558
ENSMUSG00(	402.295122	0.67448865	0.17868484	3.69868277	2.17E-04	0.01442042
ENSMUSG00(	69.7594483	0.85206942	0.23493795	3.69794083	2.17E-04	0.01442042
ENSMUSG00(	367.11303	-0.7971462	0.20739956	-3.6990595	2.16E-04	0.01442042
ENSMUSG00(	86.5778878	-0.7782449	0.20450166	-3.6959996	2.19E-04	0.01444803
ENSMUSG00(	464.562997	0.7409014	0.19476949	3.69048269	2.24E-04	0.01461125
ENSMUSG00(	607.719402	-0.5851452	0.15601642	-3.6902554	2.24E-04	0.01461125
ENSMUSG00(	733.087256	-0.5042581	0.1365543	-3.6860065	2.28E-04	0.01477376
ENSMUSG00(	107.63712	0.85272766	0.23749856	3.68298252	2.31E-04	0.01486667
ENSMUSG00(	267.677748	-0.7150254	0.19142702	-3.6806733	2.33E-04	0.01491863
ENSMUSG00(	134.375187	-0.6944845	0.18795598	-3.6743169	2.38E-04	0.0150863
ENSMUSG00(	242.188757	-0.6448533	0.16879038	-3.6736033	2.39E-04	0.0150863
ENSMUSG00(	227.887055	-0.7660625	0.20593768	-3.6744971	2.38E-04	0.0150863
ENSMUSG00(	851.698666	-0.7020383	0.18725464	-3.6580426	2.54E-04	0.01544155
ENSMUSG00(	221.406157	0.67121483	0.18538265	3.65840423	2.54E-04	0.01544155
ENSMUSG00(	1242.38248	-0.6083741	0.16417862	-3.6592034	2.53E-04	0.01544155
ENSMUSG00(	275.995125	0.76049007	0.21182244	3.65829866	2.54E-04	0.01544155
ENSMUSG00(	514.693365	-0.5631131	0.15184693	-3.6624018	2.50E-04	0.01544155
ENSMUSG00(	236.134849	0.66604536	0.1817006	3.66422044	2.48E-04	0.01544155
ENSMUSG00(	2966.55932	-0.5203869	0.13914721	-3.6649639	2.47E-04	0.01544155
ENSMUSG00(	252.576284	0.68140828	0.24507877	3.65294223	2.59E-04	0.01566917
ENSMUSG00(	494.854795	0.46082492	0.12428681	3.65070893	2.62E-04	0.01572374
ENSMUSG00(	201.000771	-0.8567288	0.23003087	-3.6459711	2.66E-04	0.01588148
ENSMUSG00(	26264.0511	-0.3477466	0.0957691	-3.6445531	2.68E-04	0.01588148
ENSMUSG00(	721.916674	-0.4867035	0.1336091	-3.6432182	2.69E-04	0.01588148
ENSMUSG00(	390.176647	-0.5951575	0.15961241	-3.6428423	2.70E-04	0.01588148
ENSMUSG00(	481.450044	-0.5467822	0.15133728	-3.6348149	2.78E-04	0.01630108
ENSMUSG00(	818.54931	0.658436	0.17704399	3.63168741	2.82E-04	0.01641662
ENSMUSG00(	4434.65085	0.43861436	0.12043064	3.62882448	2.85E-04	0.01651632
ENSMUSG00(	358.770582	0.55850013	0.15502489	3.62139532	2.93E-04	0.01691302
ENSMUSG00(1320.98149	-0.4557812	0.1275881	-3.6188972	2.96E-04	0.01699214
ENSMUSG00(494.598611	0.53333117	0.14589611	3.6155004	3.00E-04	0.01704691
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ENSMUSG00(440.743165	-0.628275	0.175619	-3.6114631	3.04E-04	0.01722967

ENSMUSG00(536.240325	-0.6295502	0.17414745	-3.6024038	3.15E-04	0.01775456
ENSMUSG00(223.469967	-0.637622	0.17153466	-3.6000667	3.18E-04	0.01782794
ENSMUSG00(501.392714	-0.6293232	0.174595	-3.5980877	3.21E-04	0.01787734
ENSMUSG00(74.6115487	0.87987471	0.24843741	3.59142774	3.29E-04	0.01817994
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ENSMUSG00(1053.87025	-0.3656499	0.10207162	-3.5733498	3.52E-04	0.01857812
ENSMUSG00(516.440638	-0.4213671	0.11709182	-3.582235	3.41E-04	0.01857812
ENSMUSG00(98.5902305	0.80044842	0.22578376	3.57954011	3.44E-04	0.01857812
ENSMUSG00(101.549947	0.71238898	0.1992612	3.57348337	3.52E-04	0.01857812
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ENSMUSG00(191.588574	-0.9242698	0.25802124	-3.5747722	3.51E-04	0.01857812
ENSMUSG00(474.768976	-0.6488167	0.17936032	-3.5807603	3.43E-04	0.01857812
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ENSMUSG00(962.766768	-0.7752957	0.21030721	-3.5689335	3.58E-04	0.01872308
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ENSMUSG00(1430.50438	-0.4295812	0.11904028	-3.5593899	3.72E-04	0.01924262
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ENSMUSG00(381.503915	0.66947326	0.18542939	3.55317257	3.81E-04	0.01961203
ENSMUSG00(1935.67083	-0.4455488	0.12439795	-3.5506159	3.84E-04	0.01961203
ENSMUSG00(567.312357	0.5792438	0.16270162	3.55113723	3.84E-04	0.01961203
ENSMUSG00(1219.82078	-0.479274	0.13484129	-3.5451891	3.92E-04	0.01981687
ENSMUSG00(759.093128	-0.5860146	0.16550175	-3.5412341	3.98E-04	0.01981687
ENSMUSG00(391.420897	0.74296808	0.20878709	3.54128077	3.98E-04	0.01981687
ENSMUSG00(258.336969	-0.575476	0.16214851	-3.542864	3.96E-04	0.01981687
ENSMUSG00(1229.67545	-0.439494	0.12153854	-3.5416627	3.98E-04	0.01981687
ENSMUSG00(2499.14313	-0.6373912	0.17752064	-3.5358696	4.06E-04	0.02013686
ENSMUSG00(780.193021	-0.6859852	0.19159219	-3.5326411	4.11E-04	0.02021087
ENSMUSG00(508.761329	-0.4652332	0.13126354	-3.5327455	4.11E-04	0.02021087
ENSMUSG00(687.157769	0.46967172	0.13113281	3.52648428	4.21E-04	0.02051209
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ENSMUSG00(107.757698	0.82024926	0.23172732	3.51999907	4.32E-04	0.02078367
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ENSMUSG00(50.1064929	0.78294427	0.22862684	3.51969439	4.32E-04	0.02078367
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ENSMUSG00(607.58466	0.72207807	0.20104246	3.51082362	4.47E-04	0.02122199
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ENSMUSG00(491.404181	-0.6052902	0.16919404	-3.4973584	4.70E-04	0.02196118
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ENSMUSG00(2119.00379	-0.5624095	0.15493486	-3.488846	4.85E-04	0.02229848
ENSMUSG00(173.684095	-0.7281036	0.20401185	-3.4879356	4.87E-04	0.02229848
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ENSMUSG00(1579.20301	-0.3865372	0.11090183	-3.473003	5.15E-04	0.02302847
ENSMUSG00(351.542753	0.55307183	0.15881423	3.46824266	5.24E-04	0.02331902
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ENSMUSG00(146.53343	0.64082452	0.18339993	3.45136154	5.58E-04	0.02448232
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ENSMUSG00(399.082096	-0.5511529	0.16179431	-3.3699924	7.52E-04	0.03013074
ENSMUSG00(612.556072	-0.5556089	0.16281944	-3.3682214	7.57E-04	0.03015706
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ENSMUSG00(1933.77729	-0.6068321	0.17945063	-3.3659489	7.63E-04	0.03015706
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ENSMUSG00(266.393435	0.79131538	0.24300859	3.36185206	7.74E-04	0.03039983
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ENSMUSG00(794.02749	0.42714291	0.12676421	3.35049264	8.07E-04	0.03104103
ENSMUSG00(353.476674	-0.5915181	0.17110672	-3.3482073	8.13E-04	0.03109087
ENSMUSG00(1544.81606	-0.4933366	0.14763426	-3.3486721	8.12E-04	0.03109087
ENSMUSG00(1271.48191	-0.5947078	0.17295717	-3.3461459	8.19E-04	0.03121958
ENSMUSG00(201.388587	0.68474564	0.2056092	3.34499972	8.23E-04	0.03124576
ENSMUSG00(303.40801	-0.8505572	0.24945071	-3.338896	8.41E-04	0.03173365
ENSMUSG00(124.286789	-0.8397663	0.24978854	-3.3388788	8.41E-04	0.03173365
ENSMUSG00(212.322702	0.61951174	0.18234316	3.33705187	8.47E-04	0.03178415
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ENSMUSG00(1164.7205	-0.5650689	0.1685307	-3.3302142	8.68E-04	0.03242003
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ENSMUSG00(210.392695	-0.7191367	0.21141336	-3.3263517	8.80E-04	0.03267864
ENSMUSG00(532.780125	0.72470077	0.21341122	3.32376543	8.88E-04	0.03275503
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ENSMUSG00(2267.68817	-0.4649583	0.14109815	-3.3183002	9.06E-04	0.03308565
ENSMUSG00(108.835687	-0.6156069	0.1814816	-3.3151615	9.16E-04	0.03314474
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ENSMUSG00(62215.4226	-0.4850141	0.14307391	-3.3142317	9.19E-04	0.03315124
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ENSMUSG00(830.137158	0.5838189	0.17456337	3.30796993	9.40E-04	0.03373827
ENSMUSG00(186.796694	-0.5500102	0.16556025	-3.3052834	9.49E-04	0.03380554
ENSMUSG00(308.203504	0.65717327	0.21153233	3.30554072	9.48E-04	0.03380554
ENSMUSG00(485.45032	0.44685277	0.13457903	3.30078153	9.64E-04	0.03424694
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ENSMUSG00(282.511228	-0.5720038	0.17092405	-3.2903584	0.0010006	0.03515046

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ENSMUSG00(5185.01225	-0.6502113	0.19395616	-3.2900275	0.00100178	0.03515046
ENSMUSG00(384.197634	0.54159401	0.16235768	3.28814924	0.00100848	0.03527859
ENSMUSG00(735.110905	0.51126333	0.15601642	3.28674062	0.00101354	0.03534841
ENSMUSG00(532.137633	-0.4557451	0.13597029	-3.2852307	0.00101899	0.03543136
ENSMUSG00(41.7083244	0.60689565	0.25065513	3.28303641	0.00102695	0.03560107
ENSMUSG00(296.410775	0.54372602	0.16699337	3.28013424	0.00103758	0.03586164
ENSMUSG00(2807.40057	-0.556959	0.16355708	-3.2754837	0.00105481	0.03630566
ENSMUSG00(442.791891	0.50860968	0.15481939	3.27497489	0.00105671	0.03630566
ENSMUSG00(63.2497601	0.77380051	0.24132254	3.27363872	0.00106172	0.03636951
ENSMUSG00(463.943514	-0.8364066	0.25551289	-3.2670415	0.00108678	0.03700814
ENSMUSG00(1004.53567	-0.4965685	0.14978826	-3.2678273	0.00108376	0.03700814
ENSMUSG00(66.8171799	-0.7302946	0.21911749	-3.2625777	0.00110404	0.03748538
ENSMUSG00(845.793696	0.58804007	0.1791343	3.25503472	0.00113379	0.03754948
ENSMUSG00(197.401928	0.61499003	0.18838474	3.25640539	0.00112833	0.03754948
ENSMUSG00(412.302739	-0.5715776	0.17533325	-3.26092	0.00111051	0.03754948
ENSMUSG00(931.774664	-0.6520111	0.19790107	-3.2554525	0.00113212	0.03754948
ENSMUSG00(223.823358	-0.5976527	0.18128523	-3.2589639	0.0011182	0.03754948
ENSMUSG00(172.337772	-0.4947301	0.15225571	-3.2546801	0.0011352	0.03754948
ENSMUSG00(2382.85827	-0.7921073	0.23702264	-3.2590442	0.00111788	0.03754948
ENSMUSG00(1212.08301	0.48051182	0.14623237	3.2549144	0.00113427	0.03754948
ENSMUSG00(289.666788	-0.6397448	0.18956457	-3.2577526	0.00112298	0.03754948
ENSMUSG00(45.1451836	-0.7569019	0.23120475	-3.2535736	0.00113963	0.03758832
ENSMUSG00(706.132641	-0.5532214	0.16706603	-3.2496905	0.00115531	0.03799675
ENSMUSG00(7745.03001	-0.6965421	0.20709819	-3.2486132	0.00115969	0.03803257
ENSMUSG00(296.986333	0.71097749	0.21106879	3.24734011	0.00116489	0.03803385
ENSMUSG00(249.546436	0.5994224	0.18283487	3.24620588	0.00116954	0.03803385
ENSMUSG00(5740.52183	-0.3745239	0.11664192	-3.2461886	0.00116961	0.03803385
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ENSMUSG00(1124.04857	0.41094738	0.12632609	3.23777994	0.00120464	0.03883485
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ENSMUSG00(1297.34843	-0.4803727	0.14832237	-3.2229289	0.00126887	0.03958875
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ENSMUSG00(324.881608	0.57486866	0.19080543	3.10473807	0.00190448	0.04974022
ENSMUSG00(827.573244	0.51257389	0.16665051	3.10503271	0.00190258	0.04974022
ENSMUSG00(630.942153	-0.3749955	0.121043	-3.1040708	0.00190878	0.04974022

symbol	description	biotype	broadClass	geneSeqStart	geneSeqEnd	seqName	
Egr1	early growth	protein_coding	coding	34859823	34864984		18
Fos	FBJ osteosarc	protein_coding	coding	85473890	85477273		12
Gm26825	predicted ger	lincRNA	noncoding	5781530	5783636		5
Chordc1	cysteine and	protein_coding	coding	18292125	18317442		9
Npr3	natriuretic pe	protein_coding	coding	11839896	11905674		15
Zbtb16	zinc finger an	protein_coding	coding	48654297	48836222		9
Hlf	hepatic leuke	protein_coding	coding	90336536	90390895		11
Csf3r	colony stimul	protein_coding	coding	126024550	126044440		4
Srsf5	serine/argini	protein_coding	coding	80945504	80950507		12
Hspa8	heat shock pr	protein_coding	coding	40800984	40810087		9
Nr4a1	nuclear receç	protein_coding	coding	101266846	101274792		15
Stip1	stress-induce	protein_coding	coding	7020696	7040026		19
S100a8	S100 calcium	protein_coding	coding	90668978	90670035		3
Ahsa2	AHA1, activat	protein_coding	coding	23487882	23498030		11
Hspb1	heat shock pr	protein_coding	coding	135887919	135889563		5
Hsp90aa1	heat shock pr	protein_coding	coding	110690605	110702728		12
Npc1	Niemann-Picl	protein_coding	coding	12189693	12236400		18
Fkbp5	FK506 bindin	protein_coding	coding	28399095	28517524		17
Dynll1	dynein light c	protein_coding	coding	115297110	115300999		5
Erh	enhancer of r	protein_coding	coding	80634022	80644341		12
Dnaja1	DnaJ heat shç	protein_coding	coding	40722150	40737149		4
Pcnx3	pecanex hom	protein_coding	coding	5664635	5688908		19
Cacybp	calcyclin bind	protein_coding	coding	160202367	160212875		1
Dnajb1	DnaJ heat shç	protein_coding	coding	83608193	83612653		8
Il1b	interleukin 1	protein_coding	coding	129364570	129371139		2
Herc3	hect domain	protein_coding	coding	58831465	58920398		6
Smad6	SMAD family	protein_coding	coding	63953076	64022059		9
Fancc	Fanconi anen	protein_coding	coding	63285043	63497278		13
Ahsa1	AHA1, activat	protein_coding	coding	87266479	87273998		12
P4ha1	procollagen-ç	protein_coding	coding	59323296	59373304		10
AY036118	cDNA sequen	lincRNA	noncoding	39847113	39848035		17
Sh3pxd2a	SH3 and PX d	protein_coding	coding	47260174	47464411		19
Rpl11	ribosomal prç	protein_coding	coding	136028265	136053428		4
Lrrc32	leucine rich r	protein_coding	coding	98489283	98502181		7
Arap1	ArfGAP with l	protein_coding	coding	101348067	101412586		7
Cry1	cryptochromç	protein_coding	coding	85131700	85185064		10
Skp1a	S-phase kinas	protein_coding	coding	52231995	52246858		11
Xpc	xeroderma pi	protein_coding	coding	91489305	91515888		6
Ccbe1	collagen and	protein_coding	coding	66045302	66302739		18
Shisa6	shisa family n	protein_coding	coding	66211725	66525964		11

Fcho1	FCH domain c	protein_codi	coding	71708387	71725716	8
Rps3	ribosomal pr	protein_codi	coding	99477896	99483738	7
Lyve1	lymphatic ve	protein_codi	coding	110850607	110863239	7
Jcad	junctional ca	protein_codi	coding	4634929	4682868	18
Gpihbp1	GPI-anchorec	protein_codi	coding	75596628	75599481	15
Ston1	stonin 1 [Sou	protein_codi	coding	88597684	88662586	17
Rfx5	regulatory fa	protein_codi	coding	94954075	94961561	3
Rpl31	ribosomal pr	protein_codi	coding	39367842	39371911	1
Manf	mesencephal	protein_codi	coding	106838312	106891979	9
Caskin2	CASK-interact	protein_codi	coding	115799183	115813639	11
Rpl21	ribosomal pr	protein_codi	coding	146832890	146837032	5
Rasal3	RAS protein a	protein_codi	coding	32390659	32403583	17
Rpl36	ribosomal pr	protein_codi	coding	56613395	56614243	17
Rapgef5	Rap guanine i	protein_codi	coding	117516479	117759737	12
Rpl13	ribosomal pr	protein_codi	coding	123102350	123105244	8
Epb41l2	erythrocyte n	protein_codi	coding	25359798	25523519	10
Flt1	FMS-like tyro	protein_codi	coding	147561604	147726011	5
Hsp90ab1	heat shock pr	protein_codi	coding	45567775	45573271	17
Hspa5	heat shock pr	protein_codi	coding	34771970	34777547	2
Dbnnd2	dysbindin (dy	protein_codi	coding	164486106	164493319	2
Ap2m1	adaptor-relat	protein_codi	coding	20535478	20544909	16
Carhsp1	calcium regul	protein_codi	coding	8658587	8672153	16
Mtmr4	myotubularin	protein_codi	coding	87592162	87616302	11
Cd180	CD180 antige	protein_codi	coding	102693558	102739629	13
Hyal2	hyaluronoglu	protein_codi	coding	107567945	107572779	9
Rfc5	replication fa	protein_codi	coding	117378103	117389047	5
Bsd1	BSD domain c	protein_codi	coding	129461581	129488498	4
Hecw2	HECT, C2 and	protein_codi	coding	53806876	54195168	1
Gabpb1	GA repeat bir	protein_codi	coding	126627442	126676337	2
Paxbp1	PAX3 and PA)	protein_codi	coding	91014037	91044543	16
Hsph1	heat shock 1(	protein_codi	coding	149614287	149636376	5
Tvp23b	trans-golgi n	protein_codi	coding	62879455	62916780	11
Hlx	H2.0-like hon	protein_codi	coding	184727140	184732619	1
Rpl35a	ribosomal pr	protein_codi	coding	33056453	33060189	16
Hspe1	heat shock pr	protein_codi	coding	55088132	55091307	1
Srrm2	serine/argini	protein_codi	coding	23790662	23824741	17
Rab22a	RAB22A, mer	protein_codi	coding	173659760	173707343	2
Cyr61	cysteine rich	protein_codi	coding	145646976	145649981	3
Klhl15	kelch-like 15	protein_codi	coding	94234599	94277724 X	
Dok4	docking prote	protein_codi	coding	94863828	94876330	8
Jdp2	Jun dimerizat	protein_codi	coding	85599027	85639878	12

Pias4	protein inhibitor of	protein_coding	81153266	81167923	10
Rps27rt	ribosomal protein	protein_coding	114982366	114982739	9
Ppp4r4	protein phosphatase	protein_coding	103532283	103613831	12
Mgat4a	mannosidase alpha	protein_coding	37439340	37541016	1
Plat	plasminogen activator	protein_coding	22757727	22782844	8
Irx2	Iroquois related	protein_coding	72628820	72634198	13
Zmym3	zinc finger, MYB	protein_coding	101404384	101420849	X
Rps15a	ribosomal protein	protein_coding	118104372	118116188	7
Rps25	ribosomal protein	protein_coding	44407139	44410427	9
Trip10	thyroid hormone	protein_coding	57249455	57263665	17
Lrmp	lymphoid-restricted	protein_coding	145115653	145174934	6
Rps12-ps3	ribosomal protein	protein_coding	59322290	59322783	19
Zfp579	zinc finger protein	protein_coding	4983483	4996158	7
Rtkn	rhotekin [Sorcin	protein_coding	83135463	83152579	6
Rabep2	rabaptin, RAE1	protein_coding	126428759	126449245	7
Mras	muscle and nerve	protein_coding	99385420	99437381	9
Ccser2	coiled-coil serine	protein_coding	36874936	36968777	14
Slc9a3r2	solute carrier protein	protein_coding	24639282	24650305	17
Cyb5r3	cytochrome b5	protein_coding	83153494	83172592	15
St13	suppression of	protein_coding	81363669	81400077	15
Fam96b	family with sequence	protein_coding	104639838	104641965	8
Slc45a4	solute carrier protein	protein_coding	73577424	73645762	15
Rbm12	RNA binding motif	protein_coding	156091958	156111978	2
Zfp970	zinc finger protein	protein_coding	177464733	177478129	2
S100a10	S100 calcium binding	protein_coding	93555080	93564643	3
Pnkp	polynucleotide kinase	protein_coding	44857139	44862992	7
Cct3	chaperonin class 1	protein_coding	88297116	88321767	3
Dusp3	dual specificity phosphatase	protein_coding	101971143	101987013	11
Aimp1	aminoacyl tRNA synthetase	protein_coding	132660499	132684370	3
Ddit3	DNA-damage inducible	protein_coding	127290774	127296288	10
Hspd1	heat shock protein	protein_coding	55077835	55088243	1
Camsap1	calmodulin regulatory	protein_coding	25926838	25983282	2
Ndufa4	NADH dehydrogenase	protein_coding	11900292	11907497	6
Zfp940	zinc finger protein	protein_coding	29833620	29853669	7
Lyz1	lysozyme 1 [Swine	protein_coding	117287797	117292868	10
Huwe1	HECT, UBA array	protein_coding	151800807	151935417	X
Map7d1	MAP7 domain containing	protein_coding	126232167	126256343	4
Il17rc	interleukin 17	protein_coding	113471427	113483140	6
Osbp17	oxysterol binding	protein_coding	97050628	97068904	11
4930486L24F	RIKEN cDNA 4930486L24F	protein_coding	60842612	60864475	13
Rpl26	ribosomal protein	protein_coding	68901583	68906989	11

Eif1ax	eukaryotic tra	protein_coding	159372178	159389928 X	
Gm10260	predicted ger	protein_coding	97760072	97760632	13
Smg7	Smg-7 homol	protein_coding	152836995	152902646	1
Zfp365	zinc finger pr	protein_coding	67886103	67912662	10
Ubqln4	ubiquilin 4 [S	protein_coding	88553758	88569725	3
Ptges3	prostaglandin	protein_coding	128058954	128077272	10
Rab8a	RAB8A, mem	protein_coding	72161200	72183904	8
Ubl4a	ubiquitin-like	protein_coding	74365718	74373218 X	
Arl4d	ADP-ribosylat	protein_coding	101665541	101667832	11
Rpl35	ribosomal pr	protein_coding	39001580	39005624	2
Dhx34	DEAH (Asp-Gl	protein_coding	16197147	16222037	7
Slc2a6	solute carrier	protein_coding	27021363	27027998	2
Tpcn2	two pore seg	protein_coding	145186524	145284011	7
Tox4	TOX high mol	protein_coding	52279146	52296391	14
Rpl22l1	ribosomal pr	protein_coding	28805436	28807424	3
Mbd1	methyl-CpG k	protein_coding	74267605	74282732	18
Hdac6	histone deac	protein_coding	7930120	7947889 X	
Loxl1	lysyl oxidase-	protein_coding	58287738	58313186	9
Akap17b	A kinase (PRK	protein_coding	36608314	36645395 X	
Meg3	maternally ex	lincRNA noncoding	109541001	109571726	12
Shroom3	shroom famil	protein_coding	92683435	92965318	5
Zfp366	zinc finger pr	protein_coding	99184823	99250656	13
Ncbp1	nuclear cap b	protein_coding	46138613	46172403	4
Ndor1	NADPH depe	protein_coding	25244821	25256022	2
Map4k1	mitogen-acti	protein_coding	28982050	29003279	7
Ncoa6	nuclear rece	protein_coding	155390656	155473894	2
Atad3a	ATPase famil	protein_coding	155740641	155761093	4
Fam107a	family with s	protein_coding	8296274	8318023	14
Hras	Harvey rat sa	protein_coding	141189105	141194005	7
Rpl14	ribosomal pr	protein_coding	120571444	120574654	9
Tmem57	transmembr	protein_coding	134802759	134853345	4
Kdm4a	lysine (K)-spe	protein_coding	118136957	118180043	4
Nr4a2	nuclear rece	protein_coding	57106830	57124003	2
Tnrc18	trinucleotide	protein_coding	142724661	142817662	5
Rasgrp4	RAS guanyl r	protein_coding	29134851	29153961	7
2310035C23F	RIKEN cDNA i	protein_coding	105663861	105755191	1
mt-Nd4	mitochondria	protein_coding mito	10167	11544 MT	
Nfe2l2	nuclear facto	protein_coding	75675513	75704641	2
Tap1	transporter 1	protein_coding	34187553	34197225	17
Gm2000	predicted ger	protein_coding	156366040	156366484	1
Tusc5	tumor suppre	protein_coding	76679808	76698664	11

Srd5a3	steroid 5 alph protein_coding	76140271	76155504	5
Col15a1	collagen, type protein_coding	47208161	47313167	4
Cbfa2t3	core-binding protein_coding	122625141	122699109	8
Hsd11b1	hydroxysteroid protein_coding	193221634	193264075	1
Zcchc2	zinc finger, C protein_coding	105990406	106034074	1
Rpl37	ribosomal protein_coding	5116613	5119140	15
Dnaja4	DnaJ heat shock protein_coding	54698873	54716315	9
Ier2	immediate early protein_coding	84661331	84662852	8
Cc2d1b	coiled-coil anchor protein_coding	108619940	108634123	4
Trmt13	tRNA methyltransferase protein_coding	116581093	116614587	3
Tma7	translational protein_coding	109074568	109082587	9
Mrpl42	mitochondrial protein_coding	95480805	95501940	10
Gtf2a1	general transcription factor protein_coding	91555262	91590487	12
Dynl1t3	dynein light chain protein_coding	9654267	9663003 X	
Pdlim5	PDZ and LIM domain protein_coding	142239590	142395696	3
Arhgap4	Rho GTPase activator protein_coding	73891442	73921870 X	
1810011O10	RIKEN cDNA 1810011O10 protein_coding	24437180	24438984	8
Fas	Fas (TNF receptor) protein_coding	34290659	34327770	19
S100g	S100 calcium binding protein_coding	162961992	162964599 X	
Maff	v-maf myb oncogene protein_coding	79347541	79359072	15
Cd200	CD200 antigen protein_coding	45382135	45409053	16
Usp20	ubiquitin specific protease protein_coding	30982279	31023586	2
Tprgl	transforming protein_coding	154157485	154160666	4
Ripor2	RHO family interacting protein_coding	24582189	24733816	13
Rnf13	ring finger protein_coding	57736062	57835233	3
Neur13	neuralized E3 ubiquitin ligase protein_coding	36264597	36274679	1
Rps15	ribosomal protein_coding	80292453	80294114	10
S100a9	S100 calcium binding protein_coding	90692632	90695721	3
Tap2	transporter 2 protein_coding	34203527	34216321	17
Angptl4	angiopoietin-like protein_coding	33773750	33781575	17
Sptbn1	spectrin beta protein_coding	30099395	30268175	11
Tmf1	TATA element protein_coding	97152997	97179122	6
Atp5j2	ATP synthase protein_coding	145183698	145192062	5
Lrrc47	leucine rich repeat protein_coding	154011731	154021513	4
Hdac5	histone deacetylase protein_coding	102194432	102230166	11
Ddx5	DEAD (Asp-Glu) box protein_coding	106780355	106789185	11
Morc2a	microRNA cluster protein_coding	3649494	3690477	11
Cdc42ep4	CDC42 effector protein_coding	113726850	113751881	11
Nrip1	nuclear receptor corepressor protein_coding	76287400	76373827	16
Rpl23a	ribosomal protein_coding	78180932	78183584	11
Ccdc117	coiled-coil domain protein_coding	5528887	5542187	11

Eif5b	eukaryotic tra	protein_coding	coding	37998010	38055579	1
Atox1	antioxidant 1	protein_coding	coding	55446641	55461239	11
Bag3	BCL2-associated	protein_coding	coding	128523616	128546981	7
Hkdc1	hexokinase d	protein_coding	coding	62383137	62422491	10
Zyx	zyxin [Source	protein_coding	coding	42349630	42360213	6
Pitpna	phosphatidyli	protein_coding	coding	75588097	75628804	11
Nus1	NUS1 dehydr	protein_coding	coding	52417547	52440183	10
Hps1	HPS1, biogen	protein_coding	coding	42755105	42779978	19
Bspry	B-box and SP	protein_coding	coding	62480053	62497298	4
Ran	RAN, membe	protein_coding	coding	129020069	129024323	5
Kctd15	potassium ch	protein_coding	coding	34639014	34656732	7
Tmem33	transmembræ	protein_coding	coding	67260565	67291461	5
Arhgef10l	Rho guanine	protein_coding	coding	140514485	140666012	4
Rps8	ribosomal pr	protein_coding	coding	117153827	117156243	4
Dnah9	dynein, axon	protein_coding	coding	65831282	66168551	11
Rps26	ribosomal pr	protein_coding	coding	128624534	128626747	10
Ifitm2	interferon inc	protein_coding	coding	140954837	140955987	7
Setd6	SET domain c	protein_coding	coding	95715881	95719010	8
Rnase4	ribonuclease,	protein_coding	coding	51091077	51106151	14
Rpl19	ribosomal pr	protein_coding	coding	98026710	98030492	11
Llg12	lethal giant la	protein_coding	coding	115824049	115855780	11
Cflar	CASP8 and F/	protein_coding	coding	58711508	58758884	1
Rbm33	RNA binding	protein_coding	coding	28317121	28419239	5
Mbd2	methyl-CpG t	protein_coding	coding	70568189	70626131	18
Mcf2l	mcf.2 transfo	protein_coding	coding	12873806	13020905	8
Cirbp	cold inducibl	protein_coding	coding	80165985	80172786	10
Trim65	tripartite mol	protein_coding	coding	116121846	116131128	11
Serf2	small EDRK-ri	protein_coding	coding	121449195	121458313	2
Myl12a	myosin, light	protein_coding	coding	70993656	71002878	17
Pde4b	phosphodiest	protein_coding	coding	102087543	102607259	4
Spcs2	signal peptid	protein_coding	coding	99837569	99863462	7
Kdm5b	lysine (K)-spe	protein_coding	coding	134560171	134635285	1
Cd300lf	CD300 molec	protein_coding	coding	115116214	115133992	11
Pla2g7	phospholipas	protein_coding	coding	43568098	43612201	17
Fgfr2	fibroblast gro	protein_coding	coding	130162451	133123350	7
Rpl32	ribosomal pr	protein_coding	coding	115805505	115808747	6
Gm12480	predicted ger	lincRNA	noncoding	54651903	54656077	4
Banp	BTG3 associa	protein_coding	coding	121949750	122029258	8
Rps6ka1	ribosomal pr	protein_coding	coding	133847290	133887797	4
Rp1	retinitis pigm	protein_coding	coding	3999557	4409241	1
Dtx3	deltex 3, E3 u	protein_coding	coding	127190378	127195728	10

Coro2b	coronin, actin protein_coding	62419492	62537044	9
Rnf7	ring finger protein_coding	96470937	96478675	9
Kcne2	potassium voltage protein_coding	92292389	92298129	16
Rpl36al	ribosomal protein_coding	69182731	69184083	12
N4bp3	NEDD4 binding protein_coding	51643063	51650842	11
Rps6	ribosomal protein_coding	86854660	86857412	4
U2af1	U2 small nuclear protein_coding	31647082	31658754	17
Hps3	HPS3, biogenesis protein_coding	19995945	20035315	3
Gm8797	predicted protein_coding	5750806	5751295	3
Dock2	dedicator of cytokinesis protein_coding	34226815	34783892	11
Trpm2	transient receptor potential cation channel protein_coding	77907722	77970563	10
Slf2	SMC5-SMC6 complex protein_coding	44931119	44983787	19
Ptpn11	protein tyrosine phosphatase protein_coding	121130533	121191397	5
Kcnc3	potassium voltage-gated channel class C subfamily 3 member 3 protein_coding	44590664	44604754	7
Myl9	myosin, light chain 9 protein_coding	156775420	156781658	2
Dennd1c	DENN/MADD domain containing 1c protein_coding	57066056	57078510	17
Slirp	SRA stem-loop binding protein_coding	87443896	87452206	12
Plpp6	phospholipid phosphatase 6 protein_coding	28963953	28966811	19
Edem1	ER degradation factor 1 protein_coding	108828641	108859356	6
Slc39a10	solute carrier family 39 member 10 protein_coding	46807544	46892852	1
Ndufa10	NADH dehydrogenase subunit A10 protein_coding	92439010	92473860	1
Herpud1	homocysteine-inducible ubiquitin-protein ligase domain containing 1 protein_coding	94386438	94395377	8
Rplp1	ribosomal protein L1 protein_coding	61913284	61914542	9
Ptpn12	protein tyrosine phosphatase 12 protein_coding	20986645	21055911	5
Armcx4	armadillo repeat domain containing 4 protein_coding	134686519	134696757 X	
Gspt1	G1 to S phase transition protein 1 protein_coding	11219292	11254270	16
Zbtb22	zinc finger and BTB domain containing 22 protein_coding	33915904	33919324	17
Sorbs1	sorbin and SH3 domain containing 1 protein_coding	40294753	40513779	19
2410015M20	RIKEN cDNA 2410015M20 protein_coding	56607452	56609771	17
Btf3	basic transcription factor 3 protein_coding	98309896	98317006	13
Mgp	matrix Gla protein protein_coding	136872435	136875823	6
Hipk2	homeodomain protein 2 protein_coding	38694390	38876165	6
Relt	RELT tumor necrosis factor receptor protein_coding	100845847	100863446	7
Rack1	receptor for activated C kinase 1 protein_coding	48800332	48806434	11
Acss1	acyl-CoA synthetase long chain family 1 member 1 protein_coding	150618105	150668500	2
Gfpt1	glutamine fructose-6-phosphate transaminase 1 protein_coding	87042846	87092197	6
Cd19	CD19 antigen protein_coding	126408450	126414889	7
Ddx42	DEAD (Asp-Glu) box protein 42 protein_coding	106216926	106249139	11
Zfp949	zinc finger protein 949 protein_coding	88548020	88571061	9
Cdc42ep1	CDC42 effector 1 protein_coding	78842647	78850902	15
Zbtb46	zinc finger and BTB domain containing 46 protein_coding	181387762	181459426	2

Nova2	neuro-oncologic protein_coding	18925888	18965319	7
Vps36	vacuolar protein_coding	22192809	22220843	8
Psmc3	proteasome (protein_coding	91054009	91066369	2
Dnajb9	DnaJ heat shock protein_coding	44205559	44210326	12
Col4a4	collagen, type protein_coding	82448423	82586849	1
Serpinh1	serine (or cysteine protein_coding	99345376	99353239	7
Snap23	synaptosomal protein_coding	120567671	120601255	2
Gm42715	predicted gene protein_coding	127519584	127567054	7
Crip2	cysteine rich protein_coding	113140236	113145506	12
Chst3	carbohydrate protein_coding	60181532	60219260	10
A230050P20f	RIKEN cDNA clone protein_coding	20868642	20874307	9
Hist1h4h	histone cluster protein_coding	23531050	23531519	13
Lyz2	lysozyme 2 [S protein_coding	117277331	117282321	10
Pi4k2b	phosphatidylinositol protein_coding	52741574	52769340	5
Cox7a2	cytochrome c protein_coding	79755361	79759878	9
Rusc2	RUN and SH3 protein_coding	43381979	43427088	4
mt-Nd4l	mitochondrial protein_mito	9877	10173 MT	
Cyfp2	cytoplasmic F protein_coding	46193850	46312859	11
Gjc1	gap junction protein_coding	102799579	102819700	11
Dnajc25	DnaJ heat shock protein_coding	58995062	59025573	4
Jak3	Janus kinase 3 protein_coding	71676296	71690575	8
Spns2	spinster homolog protein_coding	72451638	72489904	11
Sorbs3	sorbin and SH3 protein_coding	70180468	70207637	14
Mmp9	matrix metalloproteinase protein_coding	164940780	164955850	2
C1s1	complement protein_coding	124530345	124542359	6
Dna11	dynein, axonemal protein_coding	84114366	84147498	12
Tnk2	tyrosine kinase 2 protein_coding	32643874	32683493	16
Cnot2	CCR4-NOT transcription factor protein_coding	116485161	116581511	10
Aff3	AF4/FMR2 family protein_coding	38177326	38664955	1
Ramp2	receptor component protein_coding	101246028	101259546	11
Nop10	NOP10 ribonucleoprotein_coding	112261926	112263269	2
Tbc1d19	TBC1 domain protein_coding	53809606	53903965	5
Gm21781	predicted gene lincRNA noncoding	4391587	4396424	10
Sftpc	surfactant associated protein_coding	70520941	70524081	14
Dap	death-associated protein_coding	31224314	31274341	15
Junb	jun B proto-oncogene protein_coding	84974484	84978718	8
Creld2	cysteine-rich domain protein_coding	88819646	88826681	15
Gm26547	predicted gene lincRNA noncoding	55557166	55563507	17
Plk2	polo-like kinase protein_coding	110395046	110400844	13
Pla2g1b	phospholipase protein_coding	115466262	115474722	5
Aip	aryl-hydrocarbon receptor protein_coding	4114446	4125858	19

Rab6a	RAB6A, mem protein_coding	100607410	100641268	7
Gnai2	guanine nucleotide-binding protein G(i) class alpha-2 subunit	107614125	107635367	9
Phf14	PHD finger protein 14	11907809	12081205	6
Cul4a	cullin 4A [Source:HGSC Symbol] protein_coding	13105621	13147940	8
Rpl29	ribosomal protein L29	106429454	106431568	9
Retnlg	resistin like gene 1	48872608	48874498	16
Slc26a9	solute carrier family 26 member 9	131744022	131771504	1
Rps19	ribosomal protein S19	24884371	24889806	7
Grk6	G protein-coupled receptor kinase-6	55445072	55460927	13
Helq	helicase, POL32-like	100762145	100798598	5
Dgcr8	DGCR8, microRNA processing	18253948	18289249	16
Sod1	superoxide dismutase 1	90220742	90226322	16
Ppa1	pyrophosphatase 1	61648552	61674168	10
Mark2	MAP/microtubule-associated protein 2	7275396	7341860	19
Stk11ip	serine/threonine kinase 11 interacting protein	75521529	75537335	1
Klf15	Kruppel-like factor 15	90462576	90475238	6
Fkbp4	FK506 binding protein 4	128429735	128438677	6
Fxyd1	FXD domain protein 1	31051678	31057199	7
Kctd11	potassium channel tetramerization domain containing 11	69878261	69881406	11
Lamb2	laminin, beta 2	108479736	108490530	9
Slc38a10	solute carrier family 38 member 10	120103960	120151346	11
Rpl24	ribosomal protein L24	55966275	55971435	16
Cd209a	CD209a antigen	3743397	3748984	8
Rpl28	ribosomal protein L28	4792874	4795066	7
mt-Cytb	mitochondrial cytochrome b	14145	15288 MT	
Nckap5l	NCK-associated protein 5	99422035	99457748	15
Cdan1	congenital deafness associated protein 1	120716154	120850128	2
Clic4	chloride intracellular channel 4	135213969	135272814	4
Hc	hemolytic complement protein	34983331	35061438	2
Ttc39a	tetratricopeptide repeat domain containing 39A	109406623	109444745	4
Plcg1	phospholipase C gamma 1	160731300	160775760	2
Mrm1	mitochondrial ribosomal protein m1	84813061	84819515	11
Nectin4	nectin cell adhesion molecule 4	171370099	171388598	1
Pak4	p21 protein kinase 4	28558819	28598185	7
Snhg11	small nucleolar H-glycoprotein 11	158375638	158386145	2
Calr	calreticulin [Source:HGSC Symbol]	84841850	84846934	8
Hdgf	hepatoma-derived growth factor	87906321	87916132	3
Cbx5	chromobox 5	103191544	103239816	15
Rps27a	ribosomal protein S27A	29545846	29548109	11
Paps2	3'-phosphoadenylyl transferase 2	32620005	32667187	19
Foxf1	forkhead box protein F1	121084386	121088144	8

Bak1	BCL2-antagonist protein	coding	27019810	27029009	17
Gm14403	predicted germ protein	coding	177498215	177509763	2
Gmip	Gem-interacting protein	coding	69808679	69821870	8
Tsc22d1	TSC22 domain protein	coding	76414961	76507765	14
Hipk3	homeodomain protein	coding	104426481	104494446	2
Tmem252	transmembrane protein	coding	24674008	24679661	19
C77080	expressed sequence	coding	129219578	129261404	4
Msl1	male-specific protein	coding	98795516	98807859	11
Zfyve27	zinc finger, FY protein	coding	42163951	42194590	19
Tab2	TGF-beta activating protein	coding	7905653	7956230	10
Rps11	ribosomal protein	coding	45122379	45124439	7
Mical1	microtubule associated protein	coding	41476314	41487032	10
Maz	MYC-associated protein	coding	127022130	127027037	7
Pcdh17	protocadherin protein	coding	84443563	84537060	14
Mettl27	methyltransferase protein	coding	134932368	134942637	5
Fth1	ferritin heavy chain protein	coding	9982703	9985092	19
Dpt	dermatopontin protein	coding	164796644	164824266	1
Dusp12	dual specificity phosphatase	coding	170873498	170885540	1
Selplg	selectin, platelet protein	coding	113818536	113832644	5
Chia1	chitinase, acidic protein	coding	106113229	106132120	3
Uqcrl1	ubiquinol-cytochrome b5 reductase	coding	80402997	80406830	10
Taf3	TATA-box binding protein	coding	9914552	10048596	2
Tmem2	transmembrane protein	coding	124540695	124550506	5
Chst15	carbohydrate sulfotransferase	coding	132235780	132317228	7
Hikeshi	heat shock protein	coding	89917529	89941204	7
Trappc11	trafficking protein	coding	47490115	47533470	8
Pde8a	phosphodiesterase	coding	81213596	81334533	7
Rpp40	ribonuclease P protein	coding	35893472	35906359	13
Cwc15	CWC15 splice factor	coding	14500617	14510577	9
Slamf6	SLAM family member	coding	171917515	171953170	1
Cfap46	cilia and flagellum associated protein	coding	139600951	139683817	7
Srebf2	sterol regulatory element binding factor	coding	82147266	82205376	15
Ybx1	Y box protein	coding	119277981	119294604	4
Emsy	EMSY, BRCA2 associated protein	coding	98587137	98656783	7
Slc37a3	solute carrier	coding	39334773	39377675	6
Neat1	nuclear paraspeckle lincRNA	noncoding	5824708	5845478	19
Pea15a	phosphoprotein	coding	172196728	172206804	1
Sec14l1	SEC14-like lipid binding protein	coding	117115168	117159268	11
Kdsr	3-ketodihydroxyacyl-CoA synthase	coding	106720459	106759727	1
Snrpg	small nuclear ribonucleoprotein	coding	86371304	86379328	6
2900097C17f	RIKEN cDNA	lincRNA noncoding	156388065	156392979	2

Ccl9	chemokine (C protein_coding	83572919	83578636	11
Nkd1	naked cuticle protein_coding	88521354	88594884	8
Lin54	lin-54 homolog protein_coding	100441918	100500639	5
Phb	prohibitin [Sc protein_coding	95666957	95680773	11
Fmo2	flavin containing protein_coding	162874317	162898726	1
Abi2	abl-interactor protein_coding	60409619	60481158	1
Sox5	SRY (sex determining protein_coding	143828425	144781977	6
Eda	ectodysplasin protein_coding	99975606	100400762 X	
Gm5113	predicted germline protein_coding	30169875	30182324	7
Naa60	N(alpha)-acetylglucosaminase protein_coding	3872375	3904780	16
Krt80	keratin 80 [Sc protein_coding	101349571	101370125	15
Rpl10-ps3	ribosomal protein L10-ps3 protein_coding	50344201	50344968	9
Prex1	phosphatidylinositol 3-kinase protein_coding	166566342	166713832	2
Iffo1	intermediate filament protein_coding	125145241	125161782	6
Dzank1	double zinc finger protein_coding	144470557	144527414	2
Rpl34	ribosomal protein L34 protein_coding	130726831	130730398	3
Rps29	ribosomal protein S29 protein_coding	69157722	69159186	12
Wasf2	WAS protein protein_coding	133130505	133199756	4
Ndufa11	NADH dehydrogenase subunit 11 protein_coding	56717762	56724248	17
Arpc5l	actin related protein 5-like protein_coding	39005348	39015877	2
Pkia	protein kinase A catalytic subunit protein_coding	7366669	7445366	3
Thbs1	thrombospondin 1 protein_coding	118111876	118127133	2
Phldb1	pleckstrin homology domain 1 protein_coding	44686304	44735198	9
Elob	elongin B [So protein_coding	23824740	23829109	17
Trabd2b	TraB domain protein_coding	114406724	114615098	4
Gatad1	GATA zinc finger protein_coding	3632932	3657185	5
Tbc1d17	TBC1 domain protein_coding	44834623	44849079	7
Phactr2	phosphatase protein_coding	13207717	13474412	10
Txndc9	thioredoxin domain containing protein_coding	37985189	37997893	1
Ubb	ubiquitin B [S protein_coding	62551171	62553213	11
Numb	numb homolog protein_coding	83794034	83921934	12
Reg2	regenerating protein_coding	78395623	78408106	6
Ptprc	protein tyrosine phosphatase receptor type C protein_coding	138062861	138175708	1
Mlxip	MLX interacting protein protein_coding	123394798	123457932	5

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