

Gene_ID	CT6	CT7	CT5	CT8	log2FoldCl	pvalue	padj	GeneName	Chrom	Strand	Start	End	GeneLengt	GeneType	GeneDescr	CT6_readc	CT7_readc	CT5_readc	CT8_readc	CT6_fpk	CT7_fpk	CT5_fpk	CT8_fpk
ENSMUSG1	2687.519	2947.201	1999.951	2238.282	0.37811	0.004182	0.035192	Nalcn	chr14	-	1.23E+08	1.24E+08	7115	protein_co sodium_le		2972	3046	1964	2022	16.24041	17.73305	11.6744	13.5281
ENSMUSG1	3165.883	3128.136	2106.874	2313.556	0.47289	0.000182	0.003973	Acvr1b	chr15	+	1.01E+08	1.01E+08	4413	protein_coactivin_A		3501	3233	2069	2090	30.84476	30.34591	19.82872	22.54463
ENSMUSG1	1719.035	1411.676	1149.667	1137.96	0.40612	0.006088	0.045148	Gabra2	chr5	-	70961057	71095849	2392	protein_co gamma-an		1901	1459	1129	1028	30.89898	25.26519	19.96185	20.45798
ENSMUSG1	1285.885	1240.418	825.8455	997.3751	0.41935	0.005843	0.043851	Sox9	chr11	+	1.13E+08	1.13E+08	4135	protein_co SRY_(sex_c		1422	1282	811	901	13.37049	12.84224	8.294942	10.37242
ENSMUSG1	4260.061	4082.154	3095.648	2948.954	0.43422	0.000317	0.005834	Ddx3x	chrX	+	13280970	13294052	4692	protein_co DEAD/H_(u		4711	4219	3040	2664	39.03717	37.24602	27.40208	27.02757
ENSMUSG1	7877.179	7719.228	5881.731	6265.419	0.33934	0.00311	0.028619	Dnajc5	chr2	+	1.82E+08	1.82E+08	6578	protein_co DnaJ_(Hsp		8711	7978	5776	5660	51.48697	50.23756	37.13653	40.95937
ENSMUSG1	1948.722	1684.53	1163.923	1253.084	0.53268	0.000185	0.003988	Bcl11a	chr11	+	24078056	24174123	5989	protein_co B_cell_CLL		2155	1741	1143	1132	13.98995	12.04128	8.071606	8.99752
ENSMUSG1	3644.246	4118.921	2557.983	3110.57	0.41375	0.002727	0.025905	Dlg3	chrX	+	1.01E+08	1.01E+08	5017	protein_co discs_large		4030	4257	2512	2810	31.23087	35.14697	21.17598	26.66201
ENSMUSG1	988.3775	1104.958	709.7587	758.2707	0.45491	0.002969	0.027522	Sec24b	chr3	-	1.3E+08	1.3E+08	5128	protein_co Sec24_rela		1093	1142	697	685	8.286962	9.224577	5.748477	6.358772
ENSMUSG1	2029.203	1627.443	1226.039	1295.149	0.48085	0.001217	0.014961	Luzp1	chr4	+	1.36E+08	1.37E+08	7526	protein_co leucine_zif		2244	1682	1204	1170	11.59263	9.257424	6.765974	7.400352
ENSMUSG1	5472.7	5590.587	3748.382	4225.284	0.44063	0.000311	0.005791	Mef2d	chr3	+	88142372	88172086	5401	protein_co myocyte_e		6052	5778	3681	3817	43.56602	44.31306	28.82436	33.64176
ENSMUSG1	3511.317	3556.767	2466.335	2820.546	0.38779	0.002431	0.023879	Kpnb1	chr11	-	97159714	97187881	5894	protein_co karyopheri		3883	3676	2422	2548	25.61418	25.83412	17.37929	20.5788
ENSMUSG1	654.6984	677.295	441.9445	423.9674	0.53633	0.001322	0.016004	Nup214	chr2	+	31974436	32053975	6605	protein_co nucleoporin		724	700	434	383	4.261759	4.38989	2.778977	2.760302
ENSMUSG1	1841.113	1982.539	1086.532	1176.703	0.69012	5.53E-07	5.77E-05	Griik3	chr4	+	1.25E+08	1.26E+08	8973	protein_co glutamate		2036	2049	1067	1063	8.821923	9.458726	5.029152	5.639314
ENSMUSG1	1558.978	1413.612	1094.678	1129.104	0.38018	0.007011	0.049651	Sipa1l2	chr8	-	1.25E+08	1.25E+08	6365	protein_co signal-indu		1724	1461	1075	1020	10.53082	9.507803	7.142958	7.628383
ENSMUSG1	3926.062	2305.706	955.1703	997.3751	1.0104	2.41E-12	4.14E-09	Kmt2a	chr9	-	44803355	44881296	16470	protein_co lysine_(K)-		2141	2383	938	901	5.054128	5.993201	2.40867	2.604125
ENSMUSG1	3022.102	3433.886	2087.526	2262.636	0.52447	6.62E-05	0.001989	Supt6	chr11	-	78206746	78245987	6488	protein_co suppressor		3342	3549	2050	2044	20.02713	22.6281	13.36322	14.96967
ENSMUSG1	6131.919	7270.279	4400.097	4673.604	0.5208	4.58E-05	0.00154	Celf2	chr2	-	6539694	7509563	8856	protein_co CUGBP_El		6781	7514	4321	4222	29.77003	35.14487	20.63549	22.69401
ENSMUSG1	3440.784	3192.962	2525.397	2599.153	0.34646	0.005248	0.04105	Rmnd5a	chr6	-	71388634	71440637	6165	protein_co required_f		3805	3300	2480	2348	23.99633	22.17222	17.01322	18.12991
ENSMUSG1	4391.048	4842.66	2356.358	2262.636	0.73757	2.10E-06	0.00016	Peg3	chr7	-	6703892	6730421	8694	protein_co paternally		3750	5005	2314	2044	16.77007	23.84585	11.25672	11.19159
ENSMUSG1	3879.359	4129.565	2811.541	3306.503	0.35832	0.006077	0.045105	Ncan	chr8	-	70093085	70120873	7195	protein_co neurocan		4290	4268	2761	2987	23.18193	24.57095	16.22944	19.76219
ENSMUSG1	1930.637	2244.749	1264.735	1373.743	0.60099	2.02E-05	0.000843	Braf	chr6	-	39603237	39725463	9728	protein_co Braf_trans		2135	2320	1242	1241	8.532916	9.87851	5.996566	6.07266
ENSMUSG1	404.2129	598.9239	239.3017	304.4153	0.68073	0.000877	0.011899	Cdk12	chr11	+	98203059	98278504	5912	protein_co cyclin-depr		447	619	235	275	2.939654	4.336952	1.681131	2.214262
ENSMUSG1	691.7738	693.7436	458.2374	494.8132	0.46845	0.004538	0.036925	Foxj2	chr6	+	1.23E+08	1.23E+08	5283	protein_co forkhead_l		765	717	450	447	5.629943	5.62169	3.602466	4.027705
ENSMUSG1	439.4798	374.4474	190.4231	265.6715	0.64678	0.001509	0.01722	Mical3	chr6	-	1.21E+08	1.21E+08	2893	protein_co microtubu		486	387	187	240	6.531471	5.541305	2.733765	3.949058
ENSMUSG1	2903.642	3072.017	1968.384	2081.093	0.52056	3.83E-05	0.001369	Ranbp2	chr10	+	58446852	58494155	9477	protein_co RAN_bindi		3211	3175	1933	1880	13.17324	13.87718	8.626388	9.443167
ENSMUSG1	866.2998	925.9591	589.5987	658.6439	0.45965	0.003614	0.031727	Dvl3	chr16	+	20516982	20532520	2936	protein_co dishevelle		958	957	579	595	12.68623	13.50157	8.34047	9.646986
ENSMUSG1	4412.884	4274.699	2425.603	2837.15	0.6682	2.30E-07	2.80E-05	Glg1	chr8	-	1.11E+08	1.11E+08	7021	protein_co golgi_appa		4880	4418	2382	2563	27.02365	26.06484	14.34864	17.37722
ENSMUSG1	1797.708	2181.858	1407.298	1326.144	0.48876	0.000714	0.01032	Snrnp200	chr2	+	1.27E+08	1.27E+08	6745	protein_co small_nucl		1988	2255	1382	1198	11.45929	13.84819	8.46651	8.548484
ENSMUSG1	1108.647	1366.201	676.1547	654.216	0.78744	6.54E-07	6.64E-05	Nfat5	chr8	+	1.07E+08	1.07E+08	6343	protein_co nuclear_fa		1226	1412	664	591	3.545826	4.503777	2.089007	2.092772
ENSMUSG1	1050.773	1121.407	681.2462	801.4423	0.48778	0.001694	0.018603	Dnmt1	chr9	-	20907206	20959888	5876	protein_co DNA_meth		1162	1159	669	724	7.688604	8.17015	4.815178	5.865263
ENSMUSG1	2200.112	4026.035	1307.504	1383.706	0.9903	1.28E-07	1.76E-05	Cacna1e	chr1	-	1.54E+08	1.55E+08	14921	protein_co calcium_cf		2433	4161	1284	1250	6.33968	11.55123	3.639445	3.987887
ENSMUSG1	1688.29	1998.02	794.2781	1094.788	0.83657	4.13E-07	4.69E-05	Cacna1b	chr2	-	24603887	24763152	9736	protein_co calcium_cf		1867	2065	780	989	7.455674	8.785528	3.388302	4.835556
ENSMUSG1	266.7625	345.4205	162.9288	167.1516	0.66848	0.001487	0.017148	Utp20	chr10	-	88746607	88826814	8831	protein_co UTP20_sm		295	357	160	151	1.298779	1.674506	0.766263	0.81395
ENSMUSG1	3802.495	3753.182	2708.692	2951.167	0.38834	0.001592	0.017843	Large	chr8	-	72814599	73353540	4647	protein_co like-glycos		4205	3879	2660	2666	35.18167	34.57606	24.20901	27.30978
ENSMUSG1	861.7784	883.3863	646.0177	694.0668	0.50592	0.006516	0.047442	Hdac9	chr12	-	34371503	34528889	4422	protein_co histone_de		953	913	468	627	8.379099	8.55225	4.189126	6.749623
ENSMUSG1	5296.365	6115.007	3820.681	4548.517	0.41024	0.002254	0.022754	Chd5	chr4	+	1.52E+08	1.52E+08	9486	protein_co chromodo		5857	6320	3752	4109	24.00575	27.59703	16.72814	20.61977
ENSMUSG1	1108.647	1389.422	571.2692	571.6289	0.78348	5.13E-06	0.000308	Polr2a	chr11	-	69733997	69758637	6240	protein_co polymeras		1226	1436	561	679	7.072187	8.825167	3.52023	4.795574
ENSMUSG1	484.6938	500.2308	284.1072	358.6565	0.50598	0.006711	0.048491	Msh6	chr17	+	87975050	87990883	4754	protein_co zinc_hom		536	517	279	324	4.898809	5.034095	2.773797	3.625586
ENSMUSG1	4004.15	4552.39	2811.541	2947.847	0.52938	2.91E-05	0.001115	Celf1	chr2	+	90940382	91019497	7851	protein_co CUGBP_El		4428	4705	2762	2663	21.92834	24.8235	14.87337	16.14644
ENSMUSG1	442.1927	474.1065	276.979	283.3829	0.58588	0.001494	0.01716	Igf1r	chr7	+	67952859	68226780	4489	protein_co insulin-like		489	490	272	256	4.235283	4.52144	2.562638	2.714695
ENSMUSG1	903.3752	1005.299	596.7269	566.7658	0.62905	6.41E-05	0.00194	Insr	chr8	-	3150922	3279617	9355	protein_co nuclear_rec		999	1039	586	512	4.151881	4.600448	2.649243	2.652595
ENSMUSG1	1406.155	1198.812	724.015	872.2881	0.62205	8.56E-05	0.002369	Adcy9</															

ENSMUSGI	3650.576	4037.646	2574.276	3151.528	0.38814	0.004754	0.038167	Ap3d1	chr10	-	80706978	80742211	4730	protein_co adaptor-re	4037	4173	2528	2847	33.18339	36.54396	22.60393	28.65214
ENSMUSGI	1657.544	1954.48	1006.086	1053.83	0.73062	4.52E-07	4.96E-05	Vps13d	chr4	-	1.45E+08	1.45E+08	15849	protein_co vacuolar_f	1833	2020	988	952	4.496595	5.279319	2.636472	2.85934
ENSMUSGI	1874.571	2105.42	1236.223	1315.074	0.58489	2.28E-05	0.009932	Cpeb4	chr11	+	31872211	31935634	6303	protein_co cytoplasm	2073	2176	1214	1188	12.78719	14.30013	8.145906	8.972219
ENSMUSGI	20886.14	21966.61	15339.75	16259.1	0.41518	0.000193	0.004127	Sptbn1	chr11	-	30099395	30268175	9107	protein_co spectrin_b	23097	22703	15064	14688	98.60602	103.261	69.95729	76.77468
ENSMUSGI	26984.6	25345.35	19471.01	18976.69	0.42065	0.000135	0.003184	Cyfp2	chr11	-	46193850	46312859	6659	protein_co cytoplasm	29841	26195	19121	17143	174.2318	162.9438	121.4422	122.5486
ENSMUSGI	2077.13	1915.777	1412.389	1542.002	0.39792	0.00336	0.030221	Jade2	chr11	-	51813455	51857653	6273	protein_co jade_famil	2297	1980	1387	1393	14.23669	13.07429	9.35124	10.57077
ENSMUSGI	4936.462	5025.529	3488.714	3671.801	0.4465	0.000156	0.003522	Rock2	chr12	+	16894978	16988274	8012	protein_co Rho-associ	5459	5194	3426	3317	26.49082	26.85279	18.08483	19.70767
ENSMUSGI	4656.135	4783.638	3160.819	3626.416	0.44196	0.00043	0.007263	Fam49a	chr12	+	12262139	12376359	4846	protein_co family_wit	5149	4944	3104	3276	41.31071	42.25941	27.08983	32.18038
ENSMUSGI	7194.448	8009.498	5091.526	6206.75	0.39393	0.002933	0.027331	Nrcam	chr12	+	44328885	44601846	7572	protein_co neuronal_l	7956	8278	5000	5607	40.85144	45.62383	27.9272	35.24931
ENSMUSGI	2949.76	3206.508	1918.487	2167.437	0.54443	3.59E-05	0.0013	Ncoa1	chr12	-	4247363	4477182	7328	protein_co nuclear_re	3262	3314	1884	1958	17.307	18.73249	10.87335	12.71915
ENSMUSGI	908.8009	965.6292	502.0245	640.9325	0.61664	0.000225	0.004647	Adcy3	chr12	+	4133103	4213525	5621	protein_co adenylate	1005	998	493	579	6.951454	7.354368	3.70938	4.903382
ENSMUSGI	1013.697	1057.548	629.3126	636.5046	0.63307	2.95E-05	0.00112	Ndmt3a	chr12	+	3806007	3914443	9685	protein_co DNA_met	1121	1093	618	575	4.500173	4.674664	2.698714	2.826174
ENSMUSGI	1480.306	1799.67	891.0171	1050.509	0.67016	1.50E-05	0.000691	Nf1	chr11	+	79339693	79581612	11917	protein_co neurofibro	1637	1860	875	949	5.340783	6.465087	3.10534	3.790792
ENSMUSGI	993.8032	1232.677	608.9465	650.8952	0.71746	9.22E-06	0.00049	Helz	chr11	+	1.08E+08	1.08E+08	13147	protein_co helicase_w	1099	1274	598	588	3.250081	4.013942	1.923723	2.129028
ENSMUSGI	11822.55	11543.04	8915.262	9125.816	0.35265	0.001467	0.017037	Pafah1b1	chr11	-	74673949	74724670	8570	protein_co platelet-ac	13074	11930	8755	8244	59.31313	57.66177	43.20593	45.79182
ENSMUSGI	3208.384	3355.513	2145.569	2240.496	0.54099	1.31E-05	0.000638	Ube2o	chr11	-	1.17E+08	1.17E+08	5205	protein_co ubiquitin-c	3548	3468	2107	2024	26.50245	27.59858	17.12032	18.5106
ENSMUSGI	4237.563	2305.706	1352.309	1493.295	0.64935	1.02E-06	8.76E-05	Cpd	chr11	-	76778424	76847018	7946	protein_co carboxype	2585	2383	1328	1349	12.64839	12.42235	7.068342	8.08154
ENSMUSGI	2362.774	4458.537	2641.484	2745.272	0.64947	7.23E-08	1.10E-05	Pprf8	chr11	+	75486816	75509449	7442	protein_co pre-mRNA	4714	4608	2594	2480	24.62766	25.64786	14.74173	15.86327
ENSMUSGI	1511.051	1262.671	865.5594	961.9522	0.53566	0.000454	0.007502	Cacna1g	chr11	-	94408391	94474198	8383	protein_co calcium_cf	1671	1305	850	869	7.749972	6.448214	4.288323	4.934589
ENSMUSGI	2461.449	2394.722	1435.81	1725.758	0.56384	5.11E-05	0.001634	Nr1d1	chr11	-	98767932	98775333	2721	protein_co nuclear_re	2722	2475	1410	1559	38.89401	37.67689	21.9586	27.27397
ENSMUSGI	4667.691	5198.723	2787.101	3020.906	0.70983	1.54E-08	3.61E-06	Mylh10	chr11	+	68691559	68816632	7791	protein_co myosin_he	5162	5373	2737	2729	25.450173	28.56617	14.85763	16.7405
ENSMUSGI	3718.397	4036.678	2394.036	2754.128	0.54523	2.88E-05	0.001105	Sel1	chr12	-	91806043	91849157	6300	protein_co sel-1_supp	4112	4172	2351	2488	25.37673	27.4304	15.78266	18.79925
ENSMUSGI	2670.337	2810.774	1792.217	1927.225	0.51736	5.60E-05	0.001758	Ralgap1	chr12	-	55602929	55821167	7874	protein_co Ral_GTPas	2953	2905	1760	1741	14.58113	15.28196	9.45334	10.52529
ENSMUSGI	2060.853	2074.458	1413.408	1652.698	0.39375	0.00435	0.03599	Ppp2r5e	chr12	-	75450883	75596200	4808	protein_co protein_ph	2279	2144	1388	1493	18.42905	18.47093	12.20936	14.78176
ENSMUSGI	1917.073	2243.782	1313.614	1342.748	0.58858	2.55E-05	0.001017	Akap5	chr12	+	76324891	76334153	6687	protein_co A_kinase_l	2120	2319	1290	1213	12.32616	14.36474	8.158802	8.634957
ENSMUSGI	4913.855	4569.806	3741.253	3670.694	0.33271	0.005359	0.041604	Sptb	chr12	-	76580488	76710547	10394	protein_co spectrin_b	5434	4723	3674	3316	20.32638	18.82191	14.94942	15.18667
ENSMUSGI	5986.33	6574.6	4177.088	5090.93	0.40325	0.002372	0.023569	Trim9	chr12	-	70244539	70347614	4843	protein_co tripartite_l	6620	6795	4102	4599	53.14552	58.11702	35.82195	45.20429
ENSMUSGI	2796.032	2881.407	1630.307	1884.054	0.63574	1.82E-06	0.000142	Trcnx	chr12	+	81860030	82000924	12139	protein_co peccanex_h	3092	2978	1601	1702	9.903296	10.16179	5.577974	6.674325
ENSMUSGI	1003.75	1000.462	703.6489	709.5643	0.45047	0.002682	0.025686	Unc79	chr12	+	1.03E+08	1.03E+08	8874	protein_co unc-79_ho	1110	1034	691	641	4.863252	4.826469	3.293265	3.438502
ENSMUSGI	1502.913	1895.459	911.3832	969.7009	0.75774	7.80E-07	7.48E-05	Ylpm1	chr12	+	84996321	85070515	7003	protein_co YLP_motif	1662	1959	895	876	9.227203	11.5872	5.40514	5.954574
ENSMUSGI	1993.032	1816.118	1204.655	1558.606	0.4126	0.006743	0.048617	Tecpr2	chr12	+	1.11E+08	1.11E+08	7830	protein_co tectonin_b	2204	1877	1183	1408	10.94392	9.92958	6.389855	8.559957
ENSMUSGI	1814.889	2118.966	962.2984	788.1588	1.0379	1.11E-11	1.28E-08	Ryr2	chr13	-	11553103	12106945	16813	protein_co ryanodine	2007	2190	945	712	6.441147	5.395445	2.377139	2.015884
ENSMUSGI	2720.073	2262.165	1906.267	1833.133	0.37729	0.006448	0.047118	Hivep1	chr13	+	42052021	42185026	8753	protein_co human_im	3008	2338	1872	1656	13.36116	11.0649	9.045174	9.006045
ENSMUSGI	2031.916	2293.128	1092.642	1217.661	0.82157	5.13E-09	1.71E-06	Nsd1	chr13	+	55209782	55318325	12784	protein_co nuclear_re	2247	2370	1073	1100	6.833756	7.679094	3.549776	4.095969
ENSMUSGI	1162.903	1391.358	811.5893	884.4647	0.5242	0.000655	0.009767	Ddx46	chr13	+	55635027	55681256	5676	protein_co DEAD_(Asp	1286	1438	797	799	8.808902	10.49409	5.938598	6.70093
ENSMUSGI	1609.618	1620.67	1102.825	1268.581	0.40448	0.00432	0.035832	Jmy	chr13	-	93430097	93499808	8780	protein_co junction-m	1780	1675	1083	1146	7.882222	7.902212	5.216773	6.213278
ENSMUSGI	1622.277	1885.783	1225.021	1361.566	0.39695	0.005894	0.044072	Kif2a	chr13	-	1.07E+08	1.07E+08	5304	protein_co kinesin_fai	1794	1949	1203	1230	13.15049	15.22077	9.592463	11.03907
ENSMUSGI	1074.284	891.1268	566.1777	670.8205	0.57872	0.000493	0.008021	Pde4d	chr13	+	1.08E+08	1.1E+08	4207	protein_co phosphodi	1188	921	556	606	10.97911	9.068083	5.589466	6.658949
ENSMUSGI	4181.388	4295.986	2267.766	3294.327	0.53737	0.00058	0.008907	Rasgrf2	chr13	-	91880400	92131656	5797	protein_co RAS_prot	4624	4440	2227	2976	31.01257	31.72547	16.24744	24.4377
ENSMUSGI	771.3504	764.3758	407.3221	557.9101	0.56424	0.001518	0.017243	Hcn1	chr13	+	1.18E+08	1.18E+08	3525	protein_co hyperpolar	853	790	400	504	9.408342	9.283171	4.799201	6.806616
ENSMUSGI	984.7604	1056.58	696.5208	612.1514	0.56634	0.000284	0.005496	Kat6b	chr14	+	21481434	21672478	7660	protein_co K(lysine)_a	1089	1092	684	553	5.527418	5.905032	3.776551	3.436585
ENSMUSGI	2276.072	2436.327	1507.092	1729.079	0.49596	0.000269	0.005313	Zswim8	chr14	+	20707552	20723618	6072	protein_co zinc_finger	2517	2518	1480	1562	16.11664	17.10732	10.30856	12.2456
ENSMUSGI	392.4573	416.0527	226.0638	232.4626	0.66162	0.000544	0.008454	Atp8a2	chr14	-	59647531	60197179	3895	protein_co ATPase_ar	434	430	222	210	4.33217	4.572875	2.410536	2.566508
ENSMUSGI	728.8493	1046.905	531.5553	452.7485	0.70336	0.000132	0.003159	Zc3h13	chr14	+	75284373	75344426	6151	protein_co zinc_finger	806	1082	522	409	5.094628	7.286348	3.58916	3.165252
ENSMUSGI	5863.348	6587.178	4130.246	4590.582	0.47706	0.00014	0.003269	Akap11	chr14	-	78492246	78536860	9416	protein_co A_kinase_l	6484	6808	4056	4147	26.77317	29.94894	18.21795	20.96517
ENSMUSGI	1014.602	973.3697	634.4042	598.8678	0.61154	6.75E-05	0.001997	Nipbl	chr15	-	8291225	8444663	8815	protein_co Kinesin-B	1122	1006	623	541	4.94873	4.727201	2.889054	2.921498
ENSMUSGI	1235.246	1302.342	721.9784	954.2034	0.52307	0.001225	0.015011	Slc7a8	chr14	-	54722216	54781886	4033	protein_co solute_car	1366	1346	709	862	13.16878	13.82437	7.435087	10.17442
ENSMUSGI	1577.063	1560.681	1194.472	1166.741	0.37496	0.005954	0.044357	Pdzd2	chr15	-	12359711	12739924	10756	protein_co PDZ_doma	1744	1613	1173	1054	6.304039	6.211721	4.612276	4.664666
ENSMUSGI	735.1792	790.500																				

ENSMUSGI	1588.819	1614.865	1046.818	1125.783	0.51062	0.000228	0.004656	Gbf1	chr19	+	46152509	46286510	6450	protein_cogolgi-speci	1757	1669	1028	1017	10.59096	10.71828	6.740645	7.505713
ENSMUSGI	5979.096	6858.096	4353.255	4463.281	0.50472	4.19E-05	0.001473	Huwe1	chrX	+	1.52E+08	1.52E+08	14579	protein_coHECT_UBA	6612	7088	4275	4032	17.63308	20.13837	12.40156	13.16508
ENSMUSGI	954.0149	1073.996	676.1547	773.7682	0.42691	0.006642	0.004815	Fam120c	chrX	+	1.51E+08	1.51E+08	5823	protein_co family_wit	1055	1110	664	699	7.044154	7.895953	4.82269	5.714275
ENSMUSGI	2499.429	3240.373	1737.229	2190.683	0.48319	0.002027	0.021053	Tro	chrX	-	1.51E+08	1.51E+08	6610	protein_cttrophinin	2764	3349	1706	1979	16.25772	20.9866	10.91555	14.25197
ENSMUSGI	2177.505	2194.436	1236.223	1436.84	0.64749	2.70E-06	0.000184	Ptpnj	chr2	-	90429754	90580647	7634	protein_co protein_ty	2408	2268	1214	1298	12.26387	12.30607	6.725655	8.093815
ENSMUSGI	1601.479	2138.317	1261.68	1328.357	0.46839	0.00265	0.025453	Farp1	chr14	+	1.21E+08	1.21E+08	4885	protein_co FERM_Rhc	1771	2210	1239	1200	14.09539	18.73942	10.72691	11.69358
ENSMUSGI	1632.225	1902.232	1257.607	1271.902	0.43751	0.00199	0.020752	Dock9	chr14	-	1.22E+08	1.22E+08	7910	protein_co dedicator_	1805	1966	1235	1149	8.872048	10.29521	6.603262	6.914715
ENSMUSGI	1272.321	1736.778	930.731	880.0368	0.63736	9.68E-05	0.002259	Tnrc6c	chr11	+	1.18E+08	1.18E+08	11590	protein_co trinucleotid	1407	1795	914	795	4.719911	6.415188	3.335268	3.265235
ENSMUSGI	6139.154	6251.433	4180.143	3892.087	0.57965	8.26E-07	7.55E-05	Gaa	chr11	+	1.19E+08	1.19E+08	3633	protein_coglucosidasi	6789	6461	4105	3516	72.65468	73.66526	47.78766	46.06957
ENSMUSGI	10145.11	9070.916	6903.091	7704.473	0.36883	0.002592	0.025108	Nptx1	chr11	-	1.2E+08	1.2E+08	5217	protein_co neuronal_l	11219	9375	6779	6960	83.60967	74.43528	54.95571	63.50664
ENSMUSGI	4884.014	4905.551	3199.515	3364.065	0.54038	5.03E-06	0.000304	Cnksr2	chrX	-	1.58E+08	1.58E+08	5738	protein_co connector_	5401	5070	3142	3039	36.59627	36.59955	23.15867	25.21163
ENSMUSGI	4170.537	3942.825	2860.419	3084.003	0.41821	0.000662	0.049837	Hspa4l	chr3	+	40744495	40796103	9479	protein_co heat_shoc	4612	4075	2809	2786	11.76445	17.80711	12.53306	13.99102
ENSMUSGI	718.9022	712.1274	496.933	469.353	0.49276	0.002598	0.025135	Nrp1	chr8	+	1.28E+08	1.29E+08	5907	protein_co neuropilin_	795	736	488	424	5.23267	5.161064	3.493984	3.416879
ENSMUSGI	1308.492	960.7914	727.0699	725.0618	0.55507	0.000965	0.012626	Pikfyve	chr1	+	65186683	65278695	11237	protein_co phosphoin	1447	993	714	655	5.006582	3.660389	2.687298	2.774736
ENSMUSGI	6319.105	6493.324	4778.906	5312.323	0.3223	0.007021	0.049686	Slc39a10	chr1	-	46807544	46892852	5498	protein_co solute_car	6988	6711	4693	4799	49.41643	50.56044	36.10055	41.55055
ENSMUSGI	996.516	1099.153	525.4455	582.2634	0.81061	2.65E-07	3.14E-05	Raph1	chr1	-	60482292	60567104	10024	protein_co Ras_associ	1102	1136	516	526	4.274287	4.694244	2.177091	2.497902
ENSMUSGI	827.4158	935.6347	603.855	636.5046	0.44582	0.004993	0.003567	Als2	chr1	-	59162926	59237231	6342	protein_co amyotropl	915	967	593	575	5.609421	6.315804	3.954545	4.315909
ENSMUSGI	1308.145	1433.93	799.3696	884.4647	0.65905	5.95E-06	0.039345	Tmem131	chr1	-	36792194	36943666	6543	protein_co transmeml	1506	1482	785	799	8.948832	9.382091	5.07412	5.813003
ENSMUSGI	4864.119	4735.26	3055.934	2685.496	0.6885	3.88E-08	7.43E-06	Dst	chr1	+	33908225	34308661	24236	protein_co dystonin	5379	4894	3001	2426	8.629066	8.364335	5.236886	4.764974
ENSMUSGI	557.9405	692.7761	344.1872	365.2983	0.68369	0.000147	0.003377	Zfp142	chr1	-	74565127	74588246	7473	protein_co zinc_finger	617	716	338	330	3.210062	3.968683	1.912889	2.102082
ENSMUSGI	4170.537	2488.576	1536.623	1917.263	0.39686	0.006818	0.049577	Agfg1	chr1	+	82839483	82901182	8044	protein_co ArfGAP_w	2434	2572	1509	1732	11.76445	13.24425	7.933872	10.24959
ENSMUSGI	3902.87	4385.002	2668.978	3230.123	0.44831	0.001037	0.013186	Sphkap	chr1	-	83254139	83408200	8154	protein_co SPHK1_int	4316	4532	2621	2918	20.57946	23.02224	13.59453	17.03512
ENSMUSGI	2993.1357	3397.118	2005.043	2269.277	0.53164	7.63E-05	0.002169	Trip12	chr1	-	84721189	84840516	9632	protein_co thyroid_hc	3308	3511	1969	2050	13.3528	15.09881	8.645642	10.13137
ENSMUSGI	4620.868	5059.394	3757.546	3800.209	0.33363	0.005625	0.042777	Ncl	chr1	-	86344719	86359400	8202	protein_co nucleolin	5110	5229	3690	3433	24.2228	26.4075	19.02719	19.24238
ENSMUSGI	3562.861	2701.44	2056.977	2008.034	0.56051	0.00014	0.003265	Epha4	chr1	-	77367185	77515088	6328	protein_co Eph_recep	3940	2792	2020	1814	24.20767	18.27584	13.5006	13.64588
ENSMUSGI	2581.718	2368.598	1932.743	1847.524	0.35903	0.005699	0.043122	Ptnp1	chr1	-	1.2E+08	1.2E+08	10874	protein_co proteofas	2855	2448	1898	1669	10.20798	9.325035	7.382015	7.360304
ENSMUSGI	3232.799	3309.07	2399.127	2650.073	0.34685	0.005846	0.043851	Xpr1	chr1	-	1.33E+08	1.33E+08	9739	protein_co neurofasci	3625	3226	2094	1875	14.47161	13.72077	9.093485	9.164687
ENSMUSGI	705.338	697.6139	431.7614	456.0694	0.57225	0.000542	0.008434	Lamc1	chr1	-	1.55E+08	1.55E+08	7472	protein_co xenotropic	3575	3420	2356	2394	18.60212	18.9591	13.33541	15.25169
ENSMUSGI	6190.698	5960.196	4685.222	4592.796	0.36588	0.001532	0.017359	Cdc42bpa	chr1	+	1.53E+08	1.53E+08	7622	protein_co laminin_ga	780	721	424	412	3.97877	3.918273	2.352691	2.573114
ENSMUSGI	873.534	993.6886	706.7038	609.9375	0.44028	0.006305	0.043633	Ahctf1	chr1	-	1.8E+08	1.8E+08	9161	protein_co CDC42Bir	6846	6160	4601	4149	29.05477	27.85263	21.24112	21.55913
ENSMUSGI	5521.531	7139.657	3639.423	4458.853	0.57851	9.07E-05	0.002485	Astn1	chr1	+	1.58E+08	1.59E+08	8506	protein_co AT_hook_	966	1027	694	551	4.41545	5.001191	3.45066	3.083592
ENSMUSGI	1296.737	1590.676	877.7791	1074.863	0.49525	0.001929	0.020298	Abi2	chr1	+	1.57E+08	1.57E+08	7224	protein_co astrotract	6106	7379	3574	4028	32.86262	42.3105	20.92401	26.54254
ENSMUSGI	5581.213	4949.092	3909.274	4158.866	0.3576	0.003898	0.033342	Lpgat1	chr1	+	1.92E+08	1.92E+08	10151	protein_co cv-abl_Abel	1434	1644	862	971	5.492417	6.708437	3.591422	4.553456
ENSMUSGI	2328.52	2672.413	1392.023	1432.412	0.75418	2.71E-08	5.49E-06	Plxna2	chr1	+	1.95E+08	1.95E+08	7233	protein_co lysophospl	6172	5115	3839	3757	33.1765	29.29244	22.44748	24.72598
ENSMUSGI	985.6647	945.3104	625.2394	694.0668	0.48711	0.001654	0.01826	Frmd4a	chr2	+	4017717	4614043	11036	protein_co plexin_A2	2575	2762	1367	1294	9.071701	10.3667	5.238716	5.58153
ENSMUSGI	4340.542	5051.653	2981.598	3767	0.43166	0.002497	0.024366	Uhmk1	chr1	-	1.7E+08	1.7E+08	6761	protein_co FERM_don	1090	977	614	627	6.268141	5.985659	3.840833	4.414559
ENSMUSGI	2764.382	3036.217	2006.061	2198.432	0.42815	0.001033	0.013173	Rabgap1	chr1	-	1.6E+08	1.61E+08	7864	protein_co U2AF_hon	4800	5221	2928	3403	23.73127	27.50037	15.74692	20.59914
ENSMUSGI	3138.754	3734.978	2663.886	2337.909	0.41808	0.002415	0.023806	Gad2	chr2	+	22622205	22693874	6338	protein_co RAB_GTPa	3057	3138	1970	1986	18.75281	20.50827	13.14565	14.91618
ENSMUSGI	3429.64	32517.62	16065.8	18378.93	0.4448	0.00151	0.034041	Xtbp1	chr2	-	32787602	32847239	5744	protein_co glutamin_e	3471	3860	2616	2112	23.49435	27.83564	19.26155	17.50291
ENSMUSGI	3227.645	29231.09	20861	24014.49	0.4247	0.000454	0.007502	Dnm1	chr2	-	32308471	32353329	3886	protein_co syntaxin_b	26905	24306	15777	16603	269.1866	259.0831	171.7077	203.3829
ENSMUSGI	2625.123	2309.576	1861.462	1706.939	0.42819	0.001551	0.010752	Zeb2	chr2	-	44983634	45117395	4605	protein_co dynamin_1	35693	30211	20486	21694	301.3537	271.7464	188.1462	224.2543
ENSMUSGI	5482.647	5935.04	3385.865	4117.908	0.55677	2.70E-05	0.001507	Slc4a10	chr2	+	62046462	62326730	9113	protein_co zinc_finger	2903	2387	1828	1542	12.38537	10.84974	8.483652	8.054781
ENSMUSGI	663.7412	680.1977	371.6814	418.4326	0.65693	0.000116	0.002927	Notch1	chr2	-	26457903	26516663	5482	protein_co solute_car	6063	6134	3325	3720	43.00032	46.34829	25.65197	32.30239
ENSMUSGI	1147.531	1282.023	727.0699	794.8005	0.60207	6.71E-05	0.001199	Sec16a	chr2	-	26409431	26445216	9488	protein_co notch_1	734	703	365	378	3.00777	3.069086	1.626995	1.896478
ENSMUSGI	2452.54	2672.413	1633.362	1784.427	0.53873	4.73E-05	0.001157	Camsap1	chr2	-	25926838	25983282	7971	protein_co SEC16_hor	1269	1325	714	718	5.608545	6.238923	3.432667	3.885264
ENSMUSGI	5197.799	4450.796	3657.752	3345.247	0.4267	0.001014	0.013018	Abca2	chr2	+	25428703	25448540	7981	protein_co calmodulin	2712	2767	1604	1612	13.2116	14.36085	8.499925	9.61476
ENSMUSGI	629.423	5941.813	4637.362	4752.199	0.35505	0.002232	0.022639	Grim1	chr2	-	25291181	25319187	8033	protein_co ATP-bindin	5748	4600	3592	3022	27.82032	23.71966	18.91153	17.90801
ENSMUSGI	1985.945	373.4798	88.59255	161.6168	0.73037	0.002054	0.022631	Irga4	chr2	+	79255426	79333123	4276	protein_co glutamate_	6922	6141	4554	4293	62.9386	59.48806	45.04259	47.79186
ENSMUSGI	773.159	980.1427	511.1892	587.7982	0.57589	0.00079	0.011078	Cers6	chr2	+	68861441	6										

ENSMUSGI	1161.999	986.9156	719.9418	810.2981	0.43196	0.006152	0.045501	Mtus2	chr5	+	1.48E+08	1.48E+08	7543	protein_co	microtubu	1285	1020	707	732	6.623418	5.601243	3.964088	4.619529
ENSMUSGI	2618.793	2835.931	1850.261	1874.091	0.50932	6.91E-05	0.002028	Wasl	chr6	+	2.4613805	2.4665009	4352	protein_co	Wiskott-Al	2896	2931	1817	1693	25.87217	27.89686	17.6577	18.5182
ENSMUSGI	877.1511	920.1537	596.7269	666.3927	0.44887	0.004299	0.035745	Glyf1	chr5	+	1.38E+08	1.38E+08	5437	protein_co	GRB10_int	970	951	586	602	6.936423	7.245186	4.558336	5.270695
ENSMUSGI	1112.264	1092.38	670.0448	783.7309	0.53335	0.000534	0.00837	Zkscan1	chr5	+	1.38E+08	1.38E+08	8261	protein_co	zinc_finger	1230	1129	658	708	5.788895	5.660955	3.368692	4.079729
ENSMUSGI	1604.192	1990.28	847.23	1007.338	0.84305	7.10E-08	1.10E-05	Plxna4	chr6	-	32144268	32588192	12877	protein_co	cplexin_A4	1774	2057	832	910	5.356266	6.616799	2.732604	3.364011
ENSMUSGI	4435.491	3631.269	2890.969	3157.063	0.3801	0.005274	0.041174	Herc3	chr6	+	58831465	58920398	4731	protein_co	cell_dome	4905	3753	2839	2852	40.30967	32.85897	25.37935	28.69639
ENSMUSGI	1373.601	1598.416	993.8659	1119.141	0.44085	0.003054	0.028248	Gfpt1	chr6	+	87042846	87092197	6238	protein_co	glutamine_	1519	1652	976	1011	9.467506	10.96966	6.617173	7.71501
ENSMUSGI	4496.982	5439.647	3254.504	4020.495	0.4069	0.004463	0.036544	Prickle2	chr6	-	92370892	92706145	7860	protein_co	prickle_ho	4973	5622	3196	3632	24.59909	29.62761	17.19698	21.99652
ENSMUSGI	2667.625	3869.29	1716.863	2295.844	0.60259	0.000424	0.0072	Chl1	chr6	+	1.04E+08	1.04E+08	7751	protein_co	cell_adhes	2950	3999	1686	2074	14.79747	21.37086	9.199577	12.73743
ENSMUSGI	1635.842	1551.973	911.3832	1206.591	0.52055	0.000932	0.012459	Plxna1	chr6	-	89316316	89362613	9025	protein_co	cplexin_A1	1809	1604	895	1090	7.793177	7.361826	4.194149	5.749234
ENSMUSGI	393.3616	399.6041	233.1919	261.2436	0.5514	0.003964	0.03374	Nup210	chr6	-	91013068	91116829	7037	protein_co	nucleopor	435	413	229	236	2.403394	2.431033	1.376309	1.596449
ENSMUSGI	2238.996	1948.675	1579.391	1391.454	0.449	0.001512	0.017229	Slc6a6	chr6	+	91684067	91759063	6169	protein_co	solute_car	2476	2014	1551	1257	15.60483	13.523	10.63323	9.699542
ENSMUSGI	2175.696	2770.137	1423.591	1988.108	0.46402	0.005157	0.040582	Plxnd1	chr6	-	1.16E+08	1.16E+08	6907	protein_co	cplexin_D1	2406	2863	1398	1796	13.54345	17.1696	8.560236	12.37792
ENSMUSGI	904.2795	918.2186	547.8482	574.5146	0.61823	7.35E-05	0.002123	Lrp6	chr6	-	1.34E+08	1.35E+08	9368	protein_co	low_densit	1000	949	538	519	4.150269	4.196118	2.428865	2.637249
ENSMUSGI	2893.694	4851.368	1225.021	1461.193	1.2777	1.23E-12	3.17E-09	Grin2b	chr6	-	1.36E+08	1.36E+08	23640	protein_co	glutamate	3200	5014	1203	1320	5.262907	8.785475	2.152218	2.658013
ENSMUSGI	1202.692	1302.342	740.3079	852.3627	0.58279	0.000117	0.002942	Atf7ip	chr6	+	1.37E+08	1.37E+08	8235	protein_co	activating_	1330	1346	727	770	6.2793	6.77033	3.733695	4.451002
ENSMUSGI	7436.795	8006.595	5320.645	5768.392	0.44759	0.000161	0.003587	Srgap3	chr6	-	1.13E+08	1.13E+08	8887	protein_co	SLIT-ROBO	8224	8275	5225	5211	35.97917	38.56925	24.86561	27.91236
ENSMUSGI	906.9923	817.5919	512.2075	587.7982	0.56544	0.000532	0.00837	St8sia1	chr6	-	1.43E+08	1.43E+08	8991	protein_co	ST8_alpha	1003	845	503	531	4.337267	3.892934	2.366072	2.811365
ENSMUSGI	2496.716	1977.702	1522.366	1731.293	0.41163	0.005834	0.043851	Tmtc1	chr6	-	1.48E+08	1.48E+08	8383	protein_co	transmeml	2761	2044	1495	1564	12.80531	10.09973	7.542403	8.881125
ENSMUSGI	6665.683	1415.547	1108.934	1043.868	0.4652	0.0015	0.017168	Dennd5b	chr6	-	1.49E+08	1.49E+08	9831	protein_co	DENN/MA	1842	1463	1089	943	7.284758	6.164176	4.684877	4.566093
ENSMUSGI	1633.177	5995.996	4066.813	4907.174	0.38147	0.001587	0.01781	Slc8a2	chr7	+	16130300	16160509	4233	protein_co	solute_car	7332	6197	4524	4433	67.34376	60.64034	45.20041	49.85172
ENSMUSGI	1594.245	2114.128	1071.257	1476.691	0.46321	0.006847	0.049088	Nova2	chr7	+	18925888	18965319	8372	protein_co	neuro-onc	1763	2185	1052	1334	8.187405	10.81062	5.314404	7.58503
ENSMUSGI	3069.125	3734.998	1829.894	1983.68	0.76067	4.20E-08	7.62E-06	Herc2	chr7	+	56050155	56231794	15342	protein_co	hect_(hom	3394	3860	1797	1792	8.601801	10.42158	4.95375	5.560153
ENSMUSGI	2464.162	2502.121	1735.192	1889.588	0.41967	0.001176	0.014562	Tjp1	chr7	-	65296165	65371239	7049	protein_co	tight_junct	2725	2586	1704	1707	15.03011	15.196	10.22375	11.52754
ENSMUSGI	1521.902	1717.427	1094.678	1204.377	0.44724	0.001812	0.019422	Fam189a1	chr7	-	64756113	65156570	4779	protein_co	family_wit	1683	1775	1075	1088	13.69211	15.38472	9.513481	10.83734
ENSMUSGI	3642.438	3808.333	2836.998	2967.772	0.33614	0.00566	0.042959	Meif2a	chr7	-	67231163	67372858	5538	protein_co	myocyte_e	4028	3936	2086	2681	28.27872	29.43951	21.2763	23.04489
ENSMUSGI	1043.539	1300.406	737.253	877.8229	0.46783	0.004205	0.035269	Sipa13	chr7	-	29320372	29518641	7713	protein_co	signal_inhu	1154	1344	724	793	5.817088	7.217991	3.969934	4.894187
ENSMUSGI	1426.049	1698.075	931.7493	773.7682	0.77062	8.26E-07	7.55E-05	Smp1	chr7	-	1.18E+08	1.18E+08	15557	protein_co	SMG1_ho	1577	1755	915	699	3.941205	4.672826	2.487501	2.138858
ENSMUSGI	533.5249	719.8679	370.6631	426.1814	0.53692	0.003941	0.033627	Xylt1	chr7	+	1.17E+08	1.18E+08	3191	protein_co	cxylosyltra	590	744	364	385	7.188667	9.657718	4.824392	5.743341
ENSMUSGI	8058.035	6676.194	5529.397	5626.701	0.37145	0.003688	0.032102	Sez6l2	chr7	+	1.27E+08	1.27E+08	3732	protein_co	seizure_rel	8911	6900	5430	5083	92.8342	76.58361	61.53557	64.83495
ENSMUSGI	4702.253	6290.136	2715.82	3129.389	0.81618	4.08E-08	7.51E-06	Pgm211	chr7	+	1E+08	1E+08	5325	protein_co	phosphogl	5200	6501	2667	2827	37.96705	50.56953	21.18222	25.27184
ENSMUSGI	2014.735	2017.372	1162.905	1665.982	0.44714	0.005683	0.043062	Cckbr	chr7	+	1.05E+08	1.05E+08	2484	protein_co	cholecycto	2228	2085	1142	1505	34.8728	34.76825	19.44386	28.84135
ENSMUSGI	3126.094	3509.356	1655.764	1947.151	0.8043	4.76E-09	1.64E-06	Usp9x	chrX	+	13071498	13173328	11887	protein_co	ubiquitin_s	3457	3627	1626	1759	11.30708	12.63874	5.785172	7.04408
ENSMUSGI	778.5847	706.322	510.1709	506.9898	0.47527	0.003631	0.031824	Trim66	chr7	-	1.09E+08	1.1E+08	9250	protein_co	tripartite_i	861	730	501	458	3.618967	3.268959	2.290678	2.356972
ENSMUSGI	2743.584	3278.108	1771.851	2430.894	0.45725	0.003724	0.032286	Usp11	chrX	+	20703906	20720539	3976	protein_co	ubiquitin_s	3034	3388	1740	2196	29.66828	35.29599	18.50849	26.29158
ENSMUSGI	3756.377	3850.906	2348.212	2960.023	0.47316	0.00064	0.009587	Magee1	chrX	+	1.05E+08	1.05E+08	3550	protein_co	melanoma	4154	3980	2306	2674	45.49475	46.43902	47.27255	35.85616
ENSMUSGI	2550.068	3012.998	1485.707	1642.735	0.75562	5.91E-08	9.69E-06	Atrx	chrX	-	1.06E+08	1.06E+08	10269	protein_co	alpha_thal	2820	3114	1459	1484	10.67687	12.56676	6.008903	6.879177
ENSMUSGI	2626.932	3064.276	1706.68	2169.651	0.4966	0.000831	0.011458	Pak3	chrX	+	1.44E+08	1.44E+08	8657	protein_co	p21_prot	2905	3167	1676	1960	13.04674	15.15336	8.18794	10.77753
ENSMUSGI	327.3492	380.2528	213.8441	181.5422	0.65251	0.001242	0.015172	Dcx	chrX	-	1.44E+08	1.44E+08	9074	protein_co	doublecort	362	393	210	164	1.551076	1.793999	0.978788	0.860351
ENSMUSGI	1293.12	1167.85	665.9716	717.313	0.74188	8.80E-07	7.90E-05	Cdkl5	chrX	-	1.61E+08	1.61E+08	3267	protein_co	cyclin-dep	1430	1207	654	648	17.01806	15.30335	8.466358	9.441839
ENSMUSGI	881.6725	1094.315	606.9099	720.6339	0.49521	0.003102	0.028568	Nlgn3	chrX	+	1.01E+08	1.01E+08	8541	protein_co	neuroligin	975	1131	596	651	4.438325	5.485071	2.951247	3.628298
ENSMUSGI	1939.68	2149.828	1176.143	1305.111	0.65622	2.42E-06	0.000172	Atp2b3	chrX	+	73503086	73571005	4637	protein_co	ATPase_Ce	2145	2222	1155	1179	17.98512	19.84885	10.53448	12.1034
ENSMUSGI	2356.552	2628.872	1508.11	1646.056	0.60533	6.97E-06	0.00389	Hcf1	chrX	-	73942792	73966357	8262	protein_co	host_cell_l	2606	2717	1481	1487	12.62344	13.62175	7.581199	8.567547
ENSMUSGI	2233.57	2648.224	1157.813	1372.636	0.85195	6.74E-09	2.10E-06	L1cam	chrX	-	73853778	73896105	5126	protein_co	L1_cell_ad	2470	2737	1137	1240	18.73448	22.11692	9.381016	11.51526
ENSMUSGI	3322.323	3546.123	2288.132	2595.832	0.45447	0.00044	0.007363	Mecp2	chrX	-	74026592	74135363	10507	protein_co	methyl_Cp	3674	3665	2247	2345	13.59514	14.44853	9.044663	10.62417
ENSMUSGI	442.1927	487.6524	282.0705	301.0944	0.55582	0.0026	0.025135	Col4a2	chr8	+	11312805	11449287	6450	protein_co	collagen_t	489	504	277	272	2.947626	3.236676	1.816302	2.007428
ENSMUSGI	1445.039	1444.574	1076.349	1058.258	0.39801	0.004071	0.034509	Dlc1	chr8	-	36567751	36953143	6241	protein_co	deleted_in	1598	1493	1057	956	9.955103	9.909095	7.162899	7.291795
ENSMUSGI	1209.022	1421.352	827.8822	926.2593	0.51957	0.000673	0.009921	Tnks	chr8	-	34829179	34965690	6444	protein_co									

ENSMUSGI	15370.94	12954.72	10600.56	10890.32	0.37112	0.002552	0.024792	Myo5a	chr9	+	75071015	75223688	11702	protein_co	myosin_Vf	16998	13389	10410	9838	56.47561	47.39324	37.62345	40.02003
ENSMUSGI	1808.559	2017.372	1195.49	1328.357	0.5454	0.000101	0.002693	Mon2	chr10	+	1.23E+08	1.23E+08	9300	protein_co	MON2_ho	2000	2085	1174	1200	8.361231	9.286488	5.338917	6.142272
ENSMUSGI	476.5553	590.2143	359.4617	328.7685	0.52189	0.004633	0.037458	Zcchc11	chr4	+	1.08E+08	1.09E+08	6054	protein_co	zinc_finger	527	610	353	297	3.384476	4.173648	2.466041	2.335311
ENSMUSGI	4731.19	4280.505	3242.284	3597.635	0.3691	0.003469	0.030927	Zyg11b	chr4	-	1.08E+08	1.08E+08	8691	protein_co	zyg-ll_fami	5232	4424	3184	3250	23.40567	21.08501	15.49428	17.801
ENSMUSGI	1159.286	1264.607	637.4591	605.5096	0.85914	1.28E-08	3.30E-06	Ankrd12	chr17	-	65967501	66077089	8991	protein_co	ankyrin_re	1282	1307	626	547	5.543744	6.021379	2.944655	2.896077
ENSMUSGI	3485.998	2921.077	2197.503	2202.859	0.49716	0.000214	0.004501	Cacna1a	chr8	+	84388440	84640246	7926	protein_co	microtubu	3855	3019	2158	1990	18.91009	15.77747	11.51504	11.9517
ENSMUSGI	1091.465	1062.386	744.3811	718.42	0.4999	0.000778	0.010963	Cnot6l	chr5	-	96070333	96164171	8564	protein_co	CCR4-NOT	1207	1098	731	649	5.479662	5.310728	3.610013	3.607437
ENSMUSGI	324.6363	350.2583	208.7526	142.7984	0.70019	0.000945	0.012507	Dgkh	chr14	-	78569609	78725089	3967	protein_co	diacylglyce	359	362	205	129	3.518483	3.779852	2.185545	1.547955
ENSMUSGI	1080.614	899.8348	768.8204	522.4873	0.51269	0.00486	0.003871	Mast4	chr13	-	1.03E+08	1.03E+08	10636	protein_co	microtubu	1195	930	755	472	4.368303	3.621871	3.002179	2.112489
ENSMUSGI	6131.919	5969.872	4099.697	4093.555	0.52906	4.58E-06	0.000283	Unc13a	chr8	-	71624417	71671757	10255	protein_co	unc-13_ho	6781	6170	4026	3698	25.70877	24.92171	16.60375	17.16572
ENSMUSGI	3391.048	3854.776	2719.893	2872.573	0.34569	0.006944	0.049344	Celf5	chr10	-	81459227	81482709	4391	protein_co	CUGBP_El	3750	3984	2671	2595	33.20405	37.58238	25.72637	28.13226
ENSMUSGI	882.5788	1033.359	573.3058	603.2957	0.6163	0.00012	0.002985	Tet3	chr6	-	83362373	83459084	10904	protein_co	tet_methy	976	1068	563	545	3.480063	4.057082	2.183688	2.379257
ENSMUSGI	1426.049	1493.919	992.8476	1151.243	0.40178	0.005685	0.043062	Sidt2	chr9	-	45937857	45955247	4237	protein_co	SID1_trans	1577	1544	975	1040	14.47093	15.09445	9.732271	11.68438
ENSMUSGI	787.6275	882.4187	510.1709	566.7658	0.55147	0.000721	0.010399	Dhx8	chr11	+	1.02E+08	1.02E+08	4325	protein_co	DEAH_(As)	871	912	501	512	7.829882	8.734481	4.899138	5.635268
ENSMUSGI	1884.815	1359.437	1278.544	1081.889	0.43256	0.001403	0.016517	Syngg	chr11	+	83964428	84044578	7115	protein_co	synerg_in_g	1964	1948	1335	1155	10.73222	11.34077	7.935502	7.727478
ENSMUSGI	3975.213	3063.309	2294.242	2423.145	0.52131	0.000301	0.005698	Tbr1	chr2	+	61802930	61814114	3977	protein_co	T-box_brai	4396	3166	2253	2189	42.97593	32.97492	23.95927	26.20118
ENSMUSGI	474.7467	498.2956	266.796	350.9078	0.53303	0.005052	0.039973	Zc3h12b	chrX	+	95711678	95932637	6914	protein_co	zinc_finger	525	515	262	317	2.95225	3.085363	1.602655	2.182532
ENSMUSGI	595.0105	577.6359	352.3336	364.1913	0.65053	0.000477	0.007822	Dcbl2d	chr16	+	58408443	58469727	6561	protein_co	retinoidin_(658	597	346	329	3.899232	3.769057	2.230355	2.870203
ENSMUSGI	7317.43	8647.123	5572.166	6234.424	0.40216	0.001838	0.019559	Ap2b1	chr11	+	83299024	83405035	5625	protein_co	adaptor-re	8092	8937	5472	5632	55.93151	65.81087	41.14259	47.66184
ENSMUSGI	2123.248	2144.123	1039.69	1280.758	0.79287	4.48E-08	7.97E-06	Hectd1	chr12	-	51743722	51829536	9012	protein_co	HECT_dor	2348	2216	1021	1157	10.12978	10.18537	4.791512	6.114131
ENSMUSGI	882.5788	1033.359	573.3058	603.2957	0.94241	4.77E-08	8.21E-06	Vps13c	chr9	+	67840396	67995634	11523	protein_co	vacuolar_f	883	838	327	375	2.979328	3.102346	1.200191	1.549161
ENSMUSGI	916.0351	811.7865	577.3791	645.3603	0.4367	0.006764	0.048665	Pdzr3	chr6	-	1.01E+08	1.01E+08	4104	protein_co	PDZ_doma	1013	839	567	583	9.596774	8.468042	5.843106	6.762261
ENSMUSGI	831.9173	945.3104	565.1594	643.1464	0.48604	0.002719	0.025869	221008M	chr5	+	98590615	98656569	4005	protein_co	RIKEN_cDF	920	977	555	581	8.931173	10.04663	5.860821	6.905646
ENSMUSGI	594.1116	685.0356	380.8462	442.7858	0.53731	0.00224	0.022656	Pdm8	chr5	+	98180866	98187448	3119	protein_co	PR_domai	657	708	374	400	8.189798	9.402563	5.071358	6.104855
ENSMUSGI	474.7467	499.2632	233.1919	290.0247	0.72986	0.000117	0.002942	Tab3	chrX	+	85574022	85634469	6364	protein_co	TGF-beta_	525	516	229	262	3.207394	3.35852	1.521855	1.959755
ENSMUSGI	1508.338	1584.87	1082.458	1160.099	0.42233	0.002421	0.023833	Fam179b	chr12	+	64965742	65022573	6434	protein_co	family_wit	1668	1638	1063	1048	10.07948	10.74536	6.987475	7.753735
ENSMUSGI	1814.889	1747.421	1166.978	1451.231	0.39922	0.006778	0.048734	Knc2	chr10	+	1.12E+08	1.12E+08	6196	protein_co	potassium_	2007	1806	1146	1311	12.59387	12.05354	7.822422	10.07215
ENSMUSGI	724.3279	770.1812	479.6218	537.9848	0.48167	0.003432	0.030683	Ppp1r26	chr2	+	28446800	28455508	5466	protein_co	protein_ph	801	796	471	486	5.697523	6.032146	3.644344	4.232504
ENSMUSGI	32311.72	29293.98	19512.76	23082.42	0.49516	6.68E-05	0.001199	Syt1	chr10	-	1.08E+08	1.09E+08	4820	protein_co	synaptotag	35732	30276	19162	20852	288.2262	260.1835	168.1364	205.9356
ENSMUSGI	2197.399	2299.9	1439.884	1505.472	0.56275	1.71E-05	0.000764	Dock4	chr12	+	40446053	40846486	8063	protein_co	dedicator_	2430	2377	1414	1360	11.71744	12.21127	7.416872	8.029213
ENSMUSGI	1014.602	995.6237	665.9716	733.9175	0.46467	0.00232	0.023175	Ptpn23	chr9	-	1.1E+08	1.1E+08	5336	protein_co	protein_ty	1122	1029	654	663	8.175234	7.987814	5.183582	5.914641
ENSMUSGI	8698.265	8670.344	6729.979	6992.695	0.32067	0.004392	0.036173	N28178	chr4	+	42916660	42944752	6538	protein_co	expressed_	9619	8961	6609	6317	57.2016	56.77275	42.75224	45.99352
ENSMUSGI	2147.664	1957.383	1310.559	1446.803	0.52433	0.000134	0.003179	Mgat5	chr1	+	1.27E+08	1.27E+08	8436	protein_co	mannoside	2375	2023	1287	1307	10.94587	9.933166	6.452232	7.375131
ENSMUSGI	415.0643	317.3611	225.0455	205.8954	0.59326	0.003484	0.030936	Fst14	chr11	+	52764634	53188538	4380	protein_co	folliculin-l	459	328	221	186	4.074382	3.101902	2.13396	2.02148
ENSMUSGI	2819.544	2746.915	1969.402	2135.335	0.40718	0.001378	0.016346	Slc2a13	chr15	-	91267696	91573261	6536	protein_co	solute_car	3118	2839	1934	1929	18.54758	17.99209	12.51447	14.04918
ENSMUSGI	5804.57	6346.255	4181.161	4598.331	0.43709	0.000355	0.006353	Kidins220	chr12	+	24974932	25059697	7402	protein_co	kinase_D-i	6419	6559	4106	4154	33.71642	36.7043	23.46053	26.71457
ENSMUSGI	1291.311	1501.66	703.6489	1006.231	0.60516	0.000425	0.0072	C530008M	chr5	+	76656512	76873554	6921	protein_co	RIKEN_cDF	1428	1552	691	909	8.021998	9.288621	4.222574	6.252098
ENSMUSGI	2296.87	2560.175	1604.849	1520.969	0.58363	1.22E-05	0.000606	Arhgap26	chr18	+	38601534	39376284	7898	protein_co	Rho_GTPa	2540	2646	1576	1374	12.50374	13.87718	8.439313	8.281334
ENSMUSGI	1947.818	2005.761	1173.088	1443.482	0.53713	0.000213	0.004501	Tbc1d24	chr17	-	24175431	24205562	7946	protein_co	TBC1_dom	2154	2073	1152	1304	10.53951	10.80635	6.131574	7.811935
ENSMUSGI	1144.818	1118.504	739.2896	845.7209	0.54882	0.002386	0.023657	Ect1	chr10	+	95940663	96045518	7836	protein_co	folliculin_end	1266	1156	726	764	6.281487	6.110711	3.918413	4.641193
ENSMUSGI	2009.309	1996.085	1456.176	1359.352	0.4672	0.000435	0.007327	Cnot1	chr8	-	95719451	95807462	8390	protein_co	CCR4-NOT	2222	2063	1430	1228	10.29687	10.18511	7.208454	6.967342
ENSMUSGI	889.811	837.9107	513.2258	518.0594	0.65444	3.73E-05	0.001342	Gltscr1l	chr17	-	46798116	46831413	6579	protein_co	GLTSCR1-li	984	866	504	468	5.815116	5.452383	3.239953	3.386232
ENSMUSGI	3220.139	3543.221	2319.699	2666.678	0.40461	0.002202	0.022438	Arhgap21	chr2	+	20847919	20968881	7351	protein_co	Rho_GTPa	3561	3662	2278	2409	18.83427	20.6348	13.10616	15.59987
ENSMUSGI	2855.715	2518.57	1807.492	1795.497	0.53098	5.64E-05	0.001758	Etl4	chr2	+	19909780	20810713	7413	protein_co	enhancer_	3158	2603	1775	1622	16.56309	14.54483	10.1268	10.41568
ENSMUSGI	4868.641	5403.847	3703.576	3711.652	0.43885	0.0003	0.005676	Fam115a	chr6	-	42668002	42710072	5256	protein_co	family_wit	5384	5585	3637	3353	39.82657	44.01454	29.2655	30.36749
ENSMUSGI	1770.579	2310.544	1100.788	1421.342	0.604	0.000227	0.004656	Agot2	chr15	-	73095844	73184840	13705	protein_co	argonatase	1958	2388	1081	1284	5.554652	7.217448	3.335913	4.459813
ENSMUSGI	1011.889	1046.905	656.8069	666.3927	0.56906	0.000162	0.003608	Mbd5	chr2	+	48949510	49322284	5922	protein_co	methyl_Cp	1119	1082	645	602	7.346574	7.568106	4.606376	4.839035
ENSMUSGI	283.9438	324.1341	143.581	172.6																			

ENSMUSGI	1497.487	1545.2	1107.916	1181.131	0.37419	0.006914	0.049313	Cpeb2	chr5	+	43233463	43289724	6823	protein_co	cytoplasmic	1656	1597	1088	1067	9.436439	9.695226	6.744062	7.44423
ENSMUSGI	428.6285	625.0466	312.6197	344.266	0.54151	0.005863	0.043927	2410089E	chr15	+	8169106	8271158	10469	protein_co	RIKEN_cDN	474	646	307	311	1.760339	2.55597	1.240227	1.414119
ENSMUSGI	7883.509	7784.055	4499.891	5449.586	0.6061	2.26E-06	0.0001366	Gabb2r	chr4	-	46662318	46991873	5737	protein_co	gammia-an	8718	8045	4419	4923	5.9828	58.08575	32.57671	40.84846
ENSMUSGI	1082.423	1087.542	538.6835	656.43	0.7556	2.18E-06	0.000162	Epg5	chr18	+	77938467	78035027	9672	protein_co	ectopic_P-	1197	1124	529	593	4.811728	4.813693	2.313169	2.918563
ENSMUSGI	2433.416	2489.543	1482.652	1723.544	0.56643	2.95E-05	0.00112	Rere	chr4	+	1.5E+08	1.51E+08	7728	protein_co	arginine_g	2691	2573	1456	1557	13.53848	13.79117	7.968238	9.590742
ENSMUSGI	728.8493	723.7381	436.8529	428.3953	0.64888	8.05E-05	0.002367	Zfp292	chr4	-	34803113	34882960	9986	protein_co	zinc_finger	806	748	429	387	3.138099	3.10269	1.816911	1.844804
ENSMUSGI	2772.521	2602.748	2026.427	2012.462	0.38237	0.00251	0.024469	Magi2	chr5	+	19227046	20704798	6536	protein_co	membrane	3066	2690	1990	1818	18.23825	17.04781	12.87683	13.24075
ENSMUSGI	1468.55	1509.4	1148.648	1074.863	0.38343	0.005874	0.043979	Slc7a5	chr8	-	1.22E+08	1.22E+08	3517	protein_co	solute_car	1624	1560	1128	971	17.95299	18.37302	13.56453	13.14249
ENSMUSGI	4795.394	5659.284	2179.173	2985.483	0.90425	3.51E-09	1.29E-06	Disp2	chr2	+	1.19E+08	1.19E+08	6626	protein_co	dispatched	5303	5849	2140	2697	31.11669	36.56441	13.65936	19.37583
ENSMUSGI	1003.75	1176.558	621.1662	684.1041	0.65143	3.79E-05	0.001358	Baz2a	chr10	+	1.28E+08	1.28E+08	8372	protein_co	bromodon	1110	1216	610	618	5.154861	6.016345	3.081546	3.513905
ENSMUSGI	3873.029	4128.597	2330.901	2775.16	0.59577	7.21E-06	0.0004	Gramd1b	chr9	-	40293233	40531383	7334	protein_co	GRAM_doi	4283	4267	2289	2507	22.70546	24.09962	13.19997	16.27212
ENSMUSGI	4701.349	5344.825	3015.202	3810.172	0.50637	0.000323	0.005916	Cacna2d1	chr5	+	15934691	16374511	7472	protein_co	calcium_cf	5199	5524	2961	3442	27.05242	30.62282	16.75983	21.92829
ENSMUSGI	3980.638	3722.22	2193.429	2343.444	0.7099	1.25E-08	3.30E-06	Gpr26	chr7	+	1.32E+08	1.32E+08	11571	protein_co	G_protein-	4402	3847	2154	2117	14.79116	13.77145	7.873047	8.709248
ENSMUSGI	1752.494	2482.77	1014.232	1016.193	0.92398	1.41E-08	3.44E-06	Prrc2c	chr1	-	1.63E+08	1.63E+08	11502	protein_co	proline-rici	1938	2566	996	918	6.505939	9.240844	3.662301	3.799269
ENSMUSGI	6419.48	7798.569	4482.58	4610.507	0.59532	4.36E-06	0.002076	Lrp1	chr10	-	1.28E+08	1.28E+08	14888	protein_co	low_densit	7099	8060	4402	4165	18.5389	22.42472	12.50494	13.31709
ENSMUSGI	2666.72	2703.375	1652.709	1508.793	0.70511	5.74E-08	9.56E-06	Dnm3	chr1	-	1.62E+08	1.62E+08	7523	protein_co	dynamini_i	2949	2794	1623	1363	15.24077	15.3838	9.124215	8.624531
ENSMUSGI	966.6748	968.5319	565.1594	608.8305	0.63895	3.65E-05	0.001319	Bcor	chrX	-	12036740	12160355	6941	protein_co	BCL6_inter	1069	1001	555	550	5.987959	5.973659	3.38173	3.771997
ENSMUSGI	807.5216	913.3807	514.2441	601.0818	0.54301	0.000999	0.012895	Aqr	chr2	-	1.14E+08	1.14E+08	4888	protein_co	aquariums	893	944	505	543	7.103027	7.999617	4.369464	5.288096
ENSMUSGI	974.8133	1215.261	771.8754	523.5942	0.62807	0.000586	0.008953	Akap9	chr5	+	3928054	4080209	12022	protein_co	A_kinase_i	1078	1256	758	473	3.486304	4.327542	2.666616	1.872902
ENSMUSGI	735.1792	830.1702	550.9031	520.2733	0.47615	0.003549	0.031318	S330417C	chr3	+	1.08E+08	1.09E+08	5836	protein_co	RIKEN_cDN	813	858	541	470	5.416247	6.089763	3.920577	3.833657
ENSMUSGI	6419.48	882.4187	457.219	438.358	0.75674	5.35E-06	0.000318	Rc3h1	chr1	+	1.61E+08	1.61E+08	11006	protein_co	RING_CCC1	841	912	449	396	2.970911	3.632282	1.725983	1.71276
ENSMUSGI	624.8571	348.3232	266.796	193.7188	0.77097	0.000447	0.007443	Cdh12	chr15	+	21111452	21589533	5639	protein_co	cadherin_j	691	360	262	175	4.7643	2.64441	1.965021	1.477293
ENSMUSGI	1856.486	2314.414	1158.831	1256.405	0.70628	1.97E-06	0.000151	Bptf	chr11	-	1.07E+08	1.07E+08	12036	protein_co	bromodon	2053	2392	1138	1135	6.631777	8.232038	3.998786	4.488946
ENSMUSGI	1649.454	1364.266	876.7608	1008.445	0.52834	0.000337	0.006088	Ltbp4	chr7	-	27305136	27337692	5386	protein_co	clatent_trar	1625	1410	861	911	11.73033	12.84379	6.760905	8.05161
ENSMUSGI	1069.763	1233.645	775.9486	815.8329	0.47459	0.001806	0.019401	Zfp609	chr9	-	65692391	65827564	7777	protein_co	zinc_finger	1183	1275	762	737	5.914197	6.790886	4.143916	4.511138
ENSMUSGI	3332.27	3667.069	1965.329	2820.546	0.48343	0.002154	0.022061	Necab1	chr4	-	14952245	15149794	9422	protein_co	N-terminal	3685	3790	1930	2548	29.10845	31.89525	16.58379	24.64271
ENSMUSGI	4371.287	4357.91	2952.605	3023.12	0.58884	4.35E-06	0.000276	Adam22	chr5	-	8072352	8368160	9245	protein_co	WD_disintegi	4834	4504	2546	2731	20.32932	20.17994	11.64715	14.06195
ENSMUSGI	4225.698	4508.85	2651.667	2920.172	0.60296	1.29E-06	0.000107	Wdr7	chr18	+	63708695	63989760	7109	protein_co	WD_repea	4673	4660	2604	2638	25.55703	27.15225	15.49175	17.66432
ENSMUSGI	667.3583	733.4138	376.7729	441.6789	0.66145	0.000125	0.003043	Btaf1	chr19	+	36926079	37012752	7204	protein_co	BTA1_RN	738	758	370	399	3.982959	4.358368	2.172181	2.663513
ENSMUSGI	3446.209	4170.202	2506.049	3108.356	0.39634	0.006499	0.047351	Erc2	chr14	+	27622442	28478537	6083	protein_co	ELKS/RABE	3811	4310	2808	2808	24.35815	29.34863	17.11047	21.97404
ENSMUSGI	4726.669	4782.671	3599.709	3846.702	0.33038	0.005459	0.042031	Madd	chr2	-	91137360	91183837	5990	protein_co	MAP-kinas	5227	4943	3535	3475	33.92772	34.18158	24.95927	27.61587
ENSMUSGI	1460.411	1336.206	921.5662	1037.226	0.46245	0.001579	0.017758	Dnajc16	chr4	-	1.42E+08	1.42E+08	5969	protein_co	DnaJ_(Hsp	1615	1381	905	937	10.51948	9.583419	6.412318	7.472548
ENSMUSGI	946.7806	794.3703	538.6835	477.1017	0.67067	6.16E-05	0.001872	Kcna2	chr3	+	1.07E+08	1.07E+08	3456	protein_co	potassium_i	1047	821	529	431	11.77867	9.840061	6.473661	5.936552
ENSMUSGI	1750.685	1935.129	1089.587	1193.308	0.62805	7.53E-06	0.004415	Spen	chr4	-	1.41E+08	1.42E+08	12299	protein_co	SPEN_hom	1936	2000	1070	1078	6.120103	6.73579	3.679442	4.17234
ENSMUSGI	497.3537	519.5821	329.9309	311.057	0.55766	0.001869	0.019788	Crocc	chr4	-	1.41E+08	1.41E+08	6582	protein_co	ciliary_roo	550	537	324	281	3.248837	3.37944	2.081877	2.032259
ENSMUSGI	526.2907	546.6739	309.5648	321.0197	0.64505	0.000287	0.005533	Ino80d	chr1	-	62958418	63114667	13675	protein_co	INO80_cor	582	565	304	290	1.654698	1.711392	0.940187	1.009489
ENSMUSGI	39026.9	41891.67	26820.12	32027.81	0.42783	0.000522	0.008337	Atp1a3	chr7	-	24978167	25005957	3895	protein_co	ATPase_Ne	43158	43296	26338	28933	430.8013	460.4354	285.9851	353.6036
ENSMUSGI	313.785	417.0202	196.5329	226.9277	0.60494	0.003195	0.029112	Tet2	chr3	-	1.33E+08	1.34E+08	9179	protein_co	ctet_methy	347	431	193	205	1.469797	1.944958	0.889262	1.063137
ENSMUSGI	1049.869	1041.099	785.1133	736.1314	0.41051	0.005964	0.044366	Nrg3	chr14	-	38368952	39473088	4011	protein_co	neuregulin	1161	1076	771	665	11.25389	11.11189	8.129611	7.892229
ENSMUSGI	3174.021	3147.487	2153.716	2446.392	0.42402	0.000997	0.01288	Irgq	chr7	+	24530648	24538599	6123	protein_co	MAP-kinas	3510	3253	2115	2210	22.87747	22.00636	14.60879	17.8141
ENSMUSGI	1462.22	1616.8	1075.33	1022.835	0.5013	0.000407	0.006993	Smc1a	chrX	+	1.52E+08	1.52E+08	4691	protein_co	structural_i	1617	1671	1056	924	13.40194	14.75501	9.520648	9.376424
ENSMUSGI	3882.072	4232.126	2767.754	2619.078	0.54959	9.46E-06	0.000498	Dmx12	chr9	-	54365158	54501760	10614	protein_co	Dmx-like_2	4293	4374	2718	2366	15.72552	17.06979	10.83025	10.61125
ENSMUSGI	1408.867	1558.746	980.6279	1059.365	0.48887	0.000666	0.009886	Ckl13	chr13	-	17715962	17805097	7081	protein_co	cyclin-dept	1558	1611	963	957	8.554528	9.423871	5.751746	6.433511
ENSMUSGI	1137.584	1215.261	672.0815	744.9871	0.65276	1.54E-05	0.000696	Atg2b	chr12	-	1.06E+08	1.06E+08	10173	protein_co	autophagy	1258	1256	660	673	4.807893	5.114097	2.743866	3.149175
ENSMUSGI	689.9653	858.2296	453.1458	459.3903	0.6511	0.00015	0.003436	Dicer1	chr12	-	1.05E+08	1.05E+08	9851	protein_co	dicer_1_ril	763	887	445	415	3.011393	3.729861	1.910503	2.005388
ENSMUSGI	39026.9	41891.67	26820.12	32027.81	0.42783	0.000522	0.008337	Atp1a3	chr7	-	24978167	25005957	3895	protein_co	ATPase_Ne	43158	43296	26338	28933	430.8013	460.4354	285.9851	353.6036
ENSMUSGI	7908.829	8425.55	4150.612	4845.184	0.79936	1.72E-10	1.27E-07	Arhgap32	chr9	+	32116136	32268446	13568	protein_co	Rho_GTPa	8746	8708	4076	4377	25.06206	26.58465	12.70534	15.35647
ENSMUSGI	963.0577	919.1861	683.2828	656.43	0.43596	0.004375	0.036164	Z															

ENSMUSGI	2050.906	2048.334	1601.794	1522.076	0.36121	0.005756	0.04341	Atnx1	chr13	-	45549758	45964991	10605	protein_coataxin_1	2268	2117	1573	1375	8.314872	8.268725	6.273156	6.171955
ENSMUSGI	1907.125	1854.821	1287.138	1517.648	0.38485	0.006273	0.046166	Spata2	chr2	-	1.67E+08	1.67E+08	4912	protein_co_spermatog	2109	1917	1264	1371	20.43802	19.79199	13.3246	16.26699
ENSMUSGI	877.1511	935.6347	625.2394	658.6439	0.44064	0.004498	0.036715	Zfp445	chr9	-	1.23E+08	1.23E+08	2961	protein_co_ligand_finger	970	967	614	595	12.73669	13.52747	8.769968	9.565535
ENSMUSGI	4420.118	5122.286	3559.995	3803.53	0.34617	0.006687	0.048384	Lrrc4b	chr7	+	44429018	44463351	2728	protein_co_leucine_ric	4888	5294	3496	3436	69.66426	80.38369	54.19948	59.95695
ENSMUSGI	10713.9	11633.03	8246.236	7511.861	0.47222	6.44E-05	0.001943	Cltc	chr11	-	86694351	86757565	6519	protein_co_clathrin_hr	11848	12023	8098	6786	70.66221	76.39417	52.53695	49.55227
ENSMUSGI	451.2355	611.5007	611.5007	271.2063	0.70074	0.000297	0.005667	Dync2h1	chr9	-	6928503	7184446	14264	protein_co_dynenin_cyt	499	632	303	245	1.360136	1.835288	0.898399	0.817627
ENSMUSGI	588.686	593.1169	338.0773	348.6938	0.66591	0.000125	0.003043	C2cd3	chr7	+	1E+08	1E+08	7803	protein_co_C2_calciu	651	613	332	315	3.243714	3.254073	1.79947	1.921674
ENSMUSGI	2258.89	2131.544	1537.641	1750.111	0.38213	0.004838	0.038695	Atmin	chr8	+	1.17E+08	1.17E+08	4877	protein_co_ATM_inter	2498	2203	1510	1581	19.9142	18.7107	13.0946	15.43156
ENSMUSGI	1442.326	1397.163	1035.616	1021.728	0.42284	0.002447	0.023969	Btl1b	chr12	+	95692226	95785215	7099	protein_co_fibronectir	1595	1444	1017	923	8.735478	8.425553	6.058872	6.148921
ENSMUSGI	1104.125	1157.207	774.9303	801.4423	0.46752	0.001499	0.017168	Klh13	chrX	+	1.58E+08	1.58E+08	1935	protein_co_kelch-like_	1221	1196	761	724	24.53341	25.60228	16.63304	17.811
ENSMUSGI	386.1274	288.3342	195.5146	156.082	0.70002	0.000953	0.012546	Rnf152	chr1	-	1.05E+08	1.05E+08	8492	protein_co_ring_finger	427	298	192	141	1.954974	1.453566	0.956223	0.790387
ENSMUSGI	1530.945	1807.41	953.1337	1132.425	0.60427	7.20E-05	0.002088	Rnf150	chr8	+	82863356	83091271	9685	protein_co_ring_finger	1693	1868	936	1023	6.7960425	7.989243	4.087373	5.028183
ENSMUSGI	1199.075	1437.801	612.0014	586.6912	1.0043	1.27E-10	1.01E-07	Tnrc6b	chr15	+	80711319	80941086	17327	protein_co_trinucleoti	1326	1486	601	530	2.975386	3.552416	1.466963	1.456073
ENSMUSGI	3769.941	2451.808	2316.644	1942.723	0.46872	0.005895	0.044072	Kcna1	chr6	-	1.27E+08	1.27E+08	8970	protein_co_potassium	4169	2534	2275	1755	18.070169	11.70153	10.72647	9.313553
ENSMUSGI	1323.865	1912.875	601.8184	779.303	1.0309	8.16E-09	5.31E-06	Tenn4	chr7	+	96171244	96911093	13547	protein_co_teneurin_t	1464	1977	5291	704	4.201662	6.044939	1.845068	2.473775
ENSMUSGI	782.2018	802.1108	582.4706	513.6316	0.4635	0.004248	0.035514	Arid4a	chr12	+	71015990	71098592	4998	protein_co_AT_rich_in	865	829	572	464	6.728884	6.870473	4.84025	4.419289
ENSMUSGI	1013.697	1338.142	692.4476	615.4723	0.72907	1.40E-05	0.006668	Kmt2d	chr15	-	98831669	98871204	19823	protein_co_lysinine_(K)	1121	1383	680	556	2.198667	2.889889	1.4508	1.335169
ENSMUSGI	1695.524	2075.426	1496.909	1228.731	0.41522	0.006937	0.049344	Bcl11b	chr12	-	1.08E+08	1.08E+08	8111	protein_co_B_cell_leul	1875	2145	1470	1110	8.987731	10.95422	7.664979	6.514473
ENSMUSGI	1980.372	2061.88	1326.852	1494.402	0.47447	0.000502	0.008159	Dip2c	chr13	+	9276528	9668928	8023	protein_co_DIP2_discc	2190	2131	1303	1350	10.61281	11.00209	6.868717	8.009911
ENSMUSGI	1427.857	1356.525	707.7221	720.6339	0.86847	2.02E-09	8.35E-07	Sacs	chr14	+	61138457	61240695	14991	protein_co_sacsin	1579	1402	695	651	4.095196	3.873877	1.96075	2.067193
ENSMUSGI	1228.012	1389.422	765.7655	876.7159	0.59858	8.40E-05	0.001243	Ccdc6	chr10	+	70097121	70193200	5511	protein_co_coiled-coil	1358	1436	752	792	9.580596	10.79325	5.771058	6.841093
ENSMUSGI	578.7389	577.6359	335.0224	360.8704	0.62164	0.000371	0.006558	Klh11	chr11	-	1E+08	1E+08	2393	protein_co_kelch-like_	640	597	329	326	10.39825	10.3338	5.814619	6.484935
ENSMUSGI	2912.684	2526.311	1909.322	1867.449	0.48344	0.00028	0.005453	Affa	chr10	-	42181841	42276755	6848	protein_co_forkhead_l	3221	2611	1875	1687	18.28732	15.79325	11.57992	11.72687
ENSMUSGI	1323.535	4175.04	2127.24	2522.772	0.61177	3.37E-05	0.001231	Lonrf2	chr1	-	38793669	38836090	6287	protein_co_LONH_pepti	3630	4315	2089	2279	22.44845	28.42927	14.0528	17.25566
ENSMUSGI	1811.272	2036.723	1453.122	1390.347	0.39839	0.003639	0.031837	Phf3	chr1	-	30802339	30873921	7567	protein_co_PHD_finge	2003	2105	1427	1256	10.29154	11.52277	7.97569	7.901265
ENSMUSGI	915.1309	879.516	626.2577	653.1091	0.43297	0.005062	0.039991	Rnf2	chr2	-	1.31E+08	1.31E+08	5978	protein_co_ring_finger	1012	909	615	590	6.581847	6.298489	4.350981	4.698149
ENSMUSGI	4973.537	4568.839	2956.14	2936.777	0.64917	8.65E-08	1.28E-05	Sorf14	chr9	-	41964720	42124297	10715	protein_co_sorfilin-rel	5500	4722	2903	2653	19.95693	18.25417	11.45837	11.78625
ENSMUSGI	1158.382	1014.007	769.8388	781.517	0.43266	0.004457	0.035256	Smcr8	chr11	+	60777524	60788287	7391	protein_co_Smith-Mag	1281	1048	756	706	6.738591	6.733358	4.326001	4.547076
ENSMUSGI	1205.405	1606.157	570.2509	646.4673	1.0428	4.52E-10	2.60E-07	Tenn2	chr11	-	36006656	37235964	9908	protein_co_teneurin_t	1333	1660	560	584	5.230791	6.939856	2.390397	2.805806
ENSMUSGI	3935.424	4810.73	2512.159	3340.819	0.51538	0.000743	0.010602	Dcaf7	chr11	+	1.06E+08	1.06E+08	5750	protein_co_DDB1_and	4352	4972	2467	3018	29.42688	35.8172	18.14552	24.98516
ENSMUSGI	4349.584	4927.805	2895.042	3380.67	0.51834	9.50E-05	0.002555	Affa	chr11	+	53350833	53421830	10099	protein_co_AF4/FMR2	4810	5093	2843	3054	18.51782	20.88929	11.96062	14.39532
ENSMUSGI	531.7164	632.7871	354.3702	418.4326	0.49365	0.006382	0.046731	Spty2d1	chr7	-	46990396	47008411	5223	protein_co_SPT2_Supr	588	654	348	378	4.37704	5.18664	2.817911	3.445105
ENSMUSGI	2565.441	2968.487	1691.405	2032.387	0.51728	0.000293	0.005619	Clip1	chr5	-	1.24E+08	1.24E+08	6133	protein_co_CAP-GLY_c	2837	3068	1661	1836	17.98496	20.721	11.4542	14.25051
ENSMUSGI	11964.52	10632.56	7553.788	9564.174	0.36652	0.00705	0.049856	Lingo1	chr9	-	56618475	56685253	3295	protein_co_leucine_ric	13231	10989	7418	8640	156.1207	138.1437	95.2137	124.8214
ENSMUSGI	3931.807	4776.865	2858.383	3312.038	0.4526	0.001129	0.014127	Grm5	chr7	+	87602544	88134907	6896	protein_co_glutamate	4348	4937	2807	2992	24.51407	29.65475	17.21524	20.65357
ENSMUSGI	646.5598	770.1812	449.0726	494.8132	0.50088	0.003475	0.030935	Bdp1	chr13	-	1E+08	1E+08	9921	protein_co_B_double_	715	796	441	447	2.802036	3.323426	1.879971	2.14478
ENSMUSGI	484.6938	578.6035	239.3017	355.3356	0.65965	0.000947	0.012507	Zfp646	chr7	+	1.28E+08	1.28E+08	6310	protein_co_zinc_finger	536	598	235	321	3.20262	3.925547	1.575094	2.421622
ENSMUSGI	848.2142	1133.985	475.5485	707.3503	0.60689	0.001338	0.016104	Armcx4	chrX	+	1.35E+08	1.35E+08	7996	protein_co_armadillo	938	1172	467	639	4.560928	6.071321	2.470086	3.80416
ENSMUSGI	4874.067	5357.404	3487.695	3779.177	0.45964	0.000192	0.004127	Ubp1n2	chrX	+	1.53E+08	1.54E+08	3344	protein_co_ubiquitin_l	5390	5537	3425	3414	62.66798	68.58618	43.3174	48.59907
ENSMUSGI	1105.031	1100.121	545.8116	763.8055	0.64382	0.000168	0.003704	D8Ert82e	chr8	+	36094828	36147787	4780	protein_co_DNA_segr	1222	1137	536	690	9.939545	9.852829	4.742474	6.871506
ENSMUSGI	1333.812	1172.688	712.8137	870.0741	0.58419	0.000219	0.004559	Oscam	chr16	-	96592079	97170752	7498	protein_co_Down_syn	1475	1212	700	786	7.648385	6.695539	3.948395	4.990084
ENSMUSGI	836.4585	957.8887	509.1526	552.3753	0.66088	4.63E-05	0.001551	Rictor	chr15	+	6708381	6800398	9311	protein_co_RPTOR_inc	925	990	500	499	3.862501	4.404202	2.271128	2.551144
ENSMUSGI	1937.871	1654.535	1129.3	1141.28	0.59908	2.73E-05	0.010663	Kcnb1	chr2	-	1.67E+08	1.67E+08	3725	protein_co_potassium	2143	1710	1109	1031	22.36758	19.01508	12.59138	13.71538
ENSMUSGI	637.5171	889.1916	401.2123	490.3853	0.63726	0.000631	0.009487	Zfp831	chr2	+	1.75E+08	1.75E+08	9807	protein_co_zinc_finger	705	919	394	443	2.794963	3.881573	1.699136	2.150296
ENSMUSGI	3182.16	2728.531	1925.615	1959.327	0.55611	3.02E-05	0.001132	Prkca	chr11	-	1.08E+08	1.08E+08	8409	protein_co_protein_kii	3519	2820	1891	1770	16.27039	13.80999	9.51076	10.01981
ENSMUSGI	3545.68	3429.048	2209.722	2656.715	0.47659	0.000377	0.006663	Creg2	chr1	-	39618406	39651182	5799	protein_co_cellular_re	3921	3544	2170	2400	26.28857	25.31448	15.82613	19.70103
ENSMUSGI	5451.901	4924.903	3791.15	3221.267	0.52088	6.95E-05	0.002034	Pcb1	chr2	+	1.35E+08	1.35E+08	7003	protein_co_phospholip	6029	5090	3723	2910	33.47221	30.10662	22.48417	19.78061
ENSMUSGI	1147.531	1564.552	607.9282	739.4523	0.86089	5.86E-07	6.05E-05	Caena1c	chr6	-	1.19E+08	1.19E+08	13162	protein_co_calcium_cf	1269	1617	597	668	3.748547	5.088813	1.918317	2.415935
ENSMUSGI	856.3527	927.8942	583.4889	593.333	0.52975	0.000726	0.010441	Plekhh3	chr1	-	64785983	649568										

ENSMUSGI	351.7647	478.9444	282.0705	188.184	0.61082	0.003929	0.033583	Mdn1	chr4	+	32657119	32775217	17970	protein_co	midasin_hu	389	495	277	170	0.841637	1.141	0.651928	0.450331
ENSMUSGI	421.3943	321.2314	221.9905	229.1417	0.56121	0.005374	0.041655	Chsy3	chr18	+	59175401	59410446	2931	protein_co	chondroitin	466	332	218	207	6.181491	4.69192	3.145638	3.361903
ENSMUSGI	3731.057	4492.401	2333.956	2774.053	0.62333	1.01E-05	0.000521	Sez6l	chr5	-	1.12E+08	1.13E+08	6080	protein_co	seizure_rel	4126	4643	2292	2506	26.3845	31.63177	15.94333	19.62042
ENSMUSGI	2777.042	2121.869	1619.105	1463.407	0.59562	8.53E-05	0.002368	Kcnh1	chr1	+	1.92E+08	1.93E+08	7232	protein_co	potassium	3071	2193	1590	1322	16.50991	12.56055	9.298368	8.701693
ENSMUSGI	17968.94	20284.02	12626.98	15236.26	0.42248	0.001057	0.01341	Spock2	chr10	+	60106219	60135198	5238	protein_co	sparc/oste	19871	20964	12400	13764	147.495	165.7819	100.1208	125.0863
ENSMUSGI	641.1342	857.262	281.0522	346.4799	1.0267	4.56E-08	7.99E-06	Rnf169	chr7	-	99920257	99980458	7154	protein_co	ring_finger	709	886	276	313	3.85319	5.12995	1.631654	2.082697
ENSMUSGI	368.0418	307.6855	145.6176	146.1193	0.9232	8.18E-06	0.000447	Grin2a	chr16	-	9577710	9994921	4820	protein_co	glutamate	407	318	143	132	3.282997	2.732804	1.254749	1.30364
ENSMUSGI	2104.258	2072.523	1543.751	1629.452	0.36558	0.00514	0.040514	Usp47	chr7	+	1.12E+08	1.12E+08	5540	protein_co	cubiquitin_s	2327	2142	1516	1472	16.33089	16.01541	11.57331	12.6482
ENSMUSGI	1363.653	1285.893	769.8388	966.3801	0.53947	0.000542	0.008434	Zc3h4	chr7	+	16401196	16437694	6049	protein_co	zinc_finger	1508	1329	756	873	9.692614	9.100595	5.285745	6.870073
ENSMUSGI	9752.655	11408.55	7805.31	8362.01	0.36133	0.003521	0.031155	Ptk2b	chr14	-	66153257	66281052	4034	protein_co	PTK2_prot	10785	11791	7665	7554	103.9459	121.0718	80.36081	89.13983
ENSMUSGI	5917.605	6025.991	4412.317	4794.263	0.35198	0.002879	0.026923	Arhgef12	chr9	-	42963842	43105718	10483	protein_co	Rho_guani	6544	6228	4333	4331	24.27062	24.60885	17.4812	19.66678
ENSMUSGI	1782.335	1187.201	790.2049	815.8329	0.75227	1.66E-05	0.000748	Kcnh7	chr2	-	62693414	63184287	13321	protein_co	potassium	1971	1227	776	737	5.752717	3.815365	2.463729	2.63367
ENSMUSGI	528.0992	831.1378	261.7044	494.8132	0.60862	0.005357	0.041604	Ntng1	chr3	-	1.1E+08	1.1E+08	5587	protein_co	netrin_G1	584	859	257	447	4.064034	6.368584	1.945461	3.808549
ENSMUSGI	782.2018	894.0295	511.1892	512.5246	0.61999	0.000138	0.003247	Zfp462	chr4	+	54945048	55083563	10465	protein_co	zinc_finger	865	924	502	463	3.213661	3.657304	2.028769	2.106068
ENSMUSGI	2329.424	2185.728	1563.099	1761.181	0.40508	0.002863	0.025361	Pcnx12	chr8	-	1.26E+08	1.26E+08	7236	protein_co	pepcanex-lll	2576	2259	1535	1591	13.8411	12.93141	8.971764	10.46652
ENSMUSGI	4485.226	4557.228	3103.794	3600.956	0.40007	0.001603	0.017931	Ap2a1	chr7	-	44900373	44929496	3449	protein_co	adaptor-re	4960	4710	3048	3253	55.91285	56.56608	37.37574	44.89744
ENSMUSGI	2025.586	1857.724	1525.421	1226.517	0.4456	0.002553	0.024792	Kcnd2	chr6	+	21215503	21729805	5152	protein_co	potassium	2240	1920	1498	1108	16.90423	15.43667	12.29714	10.23752
ENSMUSGI	2329.424	2185.728	1563.099	1761.181	0.40508	0.002863	0.025361	Pcnx12	chr8	-	15892537	17535586	14182	protein_co	CUB_and_	808	1015	496	348	2.215119	2.964537	1.47915	1.16808
ENSMUSGI	1217.16	1420.384	855.3764	1027.263	0.43008	0.005837	0.043851	Taok3	chr5	+	1.17E+08	1.17E+08	4467	protein_co	TAO_kinas	1346	1468	840	928	11.71527	13.61252	7.953007	9.889236
ENSMUSGI	1773.292	2106.388	1431.737	1350.497	0.43414	0.002288	0.022997	Zcchc14	chr8	-	1.22E+08	1.22E+08	7444	protein_co	zinc_finger	1961	2177	1406	1220	10.24223	12.1138	7.988164	7.801609
ENSMUSGI	978.4304	1157.201	554.9763	705.1364	0.65604	9.50E-05	0.002555	Ksr2	chr5	+	1.17E+08	1.18E+08	13125	protein_co	kinase_suf	1082	1196	545	637	3.20517	3.774505	1.756165	2.310313
ENSMUSGI	3240.033	3534.513	1926.633	1685.907	0.83334	3.49E-10	2.25E-07	Pclo	chr5	+	14514918	14860184	17057	protein_co	piccolo_pi	3583	3653	1892	1523	8.16709	8.871058	4.691228	4.250382
ENSMUSGI	5302.695	5091.324	3420.487	3335.247	0.58075	8.17E-07	7.55E-05	Akap6	chr12	+	52699383	53151015	10263	protein_co	Ca_kinase_l	5864	5262	3359	3022	22.21482	21.23477	13.84215	14.01686
ENSMUSGI	14185.423	11601.1	9737.035	9856.412	0.36714	0.003863	0.033153	Kalrn	chr16	-	33974258	34573532	8940	protein_co	calirin_Rhc	15687	11990	9562	8904	68.22217	55.55332	45.23548	47.41092
ENSMUSGI	993.8032	1379.747	726.0516	666.3927	0.65773	0.000121	0.002985	Bod1l	chr5	-	41787542	41844168	10389	protein_co	bioorientati	1099	1426	713	602	4.11289	5.685572	2.902577	2.758376
ENSMUSGI	3644.246	3840.263	2546.781	2624.613	0.49744	4.55E-05	0.001536	Myt1l	chr12	+	29528384	29923209	7198	protein_co	myelin_tra	4030	3969	2501	2371	21.76789	22.84008	14.69501	15.68016
ENSMUSGI	970.678	1075.689	4425.639	2791.175	3204.662	0.44788	0.000611	Umtk3	chr7	+	45783738	45804144	5051	protein_co	lemur_tyrc	4391	4574	2741	2895	33.79942	37.51001	22.95029	27.83262
ENSMUSGI	1728.078	2004.793	1174.106	1343.855	0.51189	0.000429	0.007263	Rai1	chr11	+	60105013	60199197	7348	protein_co	retinoic_ac	1911	2072	1153	1214	10.11148	11.68016	6.636333	7.864665
ENSMUSGI	1249.714	1430.06	709.7587	969.7009	0.58245	0.000492	0.008021	ErbB4	chr1	-	68032186	69108059	12037	protein_co	cv-erb-a_er	1382	1478	697	876	4.463885	5.086096	2.448965	3.464308
ENSMUSGI	2325.807	2971.39	1602.812	1815.422	0.56605	0.000142	0.003298	Rapgef2	chr3	+	79062516	79181340	6573	protein_co	Rap_guani	2572	3071	1574	1640	15.21355	19.35283	10.12766	11.87711
ENSMUSGI	4175.963	3782.209	2415.42	3020.906	0.50017	0.000347	0.006231	Opclm	chr9	+	27790775	28925410	6676	protein_co	opioid_bin	4618	3909	2372	2729	26.89433	24.25368	15.0268	19.45888
ENSMUSGI	19049.55	18328.57	14682.94	13705.33	0.37469	0.000807	0.011219	Kif1b	chr4	-	1.49E+08	1.49E+08	10233	protein_co	kinasin_fai	21066	18943	14419	12381	80.03912	76.6786	59.59368	57.59482
ENSMUSGI	1538.179	1726.135	852.3215	1112.499	0.64486	4.55E-05	0.001536	Kcnma1	chr14	-	23289431	24004859	4990	protein_co	potassium	1701	1784	837	1005	13.25339	14.8089	7.094029	9.587298
ENSMUSGI	986.5689	955.9536	650.697	604.4026	0.55886	0.000284	0.005496	Sorcs3	chr19	+	48206025	48805505	5634	protein_co	sorilin-rel	1091	988	639	546	7.528892	7.263877	4.796805	4.613245
ENSMUSGI	894.3324	1010.137	509.1526	508.0967	0.79361	6.57E-07	6.64E-05	D630045J1	chr6	-	38123174	38254009	10968	protein_co	RIKEN_cdD	989	1044	500	459	3.505839	3.94277	1.928016	1.992122
ENSMUSGI	453.044	449.9174	275.9607	273.4202	0.59207	0.001327	0.016042	Nup98	chr7	-	1.02E+08	1.02E+08	4051	protein_co	nucleopori	501	465	271	247	4.808379	4.754656	2.829274	2.902455
ENSMUSGI	3457.965	3620.626	2413.383	2335.695	0.53645	1.23E-07	0.006613	Chd4	chr6	+	1.25E+08	1.25E+08	6697	protein_co	chromodo	3824	3742	2370	2110	22.2004	23.14472	14.86215	14.99798
ENSMUSGI	1476.688	1502.627	1031.543	1094.788	0.44295	0.00147	0.017039	Nlgn1	chr3	-	25431811	26133734	4359	protein_co	neuroiligin	1633	1553	1013	989	14.5654	14.75751	9.828576	10.80041
ENSMUSGI	640.2299	840.8134	341.1323	458.2833	0.72563	0.000121	0.002985	Srrm4	chr5	-	1.16E+08	1.17E+08	7476	protein_co	serine/argi	708	869	335	414	3.682028	4.814807	1.89515	2.636099
ENSMUSGI	730.6578	1173.098	713.0949	766.4053	0.69485	0.000687	0.010018	BC068157	chr8	-	4209543	4217459	4616	protein_co	WDNA_seqi	520	737	262	331	4.379865	6.61348	2.40051	3.413445
ENSMUSGI	1355.515	1178.493	892.0354	876.7159	0.46484	0.001763	0.019159	Paqr9	chr9	+	95559657	95568023	8367	protein_co	progesterin	1499	1218	876	792	6.965544	6.029841	4.427947	4.505947
ENSMUSGI	1117.689	964.6617	640.514	667.4996	0.59264	0.000152	0.003447	Cntn4	chr6	+	1.06E+08	1.07E+08	5262	protein_co	contactin_	1236	997	629	603	9.132524	7.848247	5.055543	5.45503
ENSMUSGI	1953.244	2109.29	1074.312	1222.089	0.56251	0.00011	0.002838	Numa1	chr7	+	1.18E+08	1.19E+08	10265	protein_co	CLIP_assoc	2160	2180	1055	1104	8.181218	8.796824	4.346719	5.119657
ENSMUSGI	2359.265	2733.369	1459.231	1396.989	0.76216	2.42E-08	5.00E-06	Ubr4	chr4	+	1.39E+08	1.39E+08	15928	protein_co	cubiquitin_f	2609	2825	1433	1262	6.368483	7.346586	3.804985	3.771628
ENSMUSGI	2286.019	1901.264	1397.115	1374.85	0.53935	0.000145	0.003352	Kndc1	chr7	+	1.4E+08	1.4E+08	7299	protein_co	kinase_noi	2528	1965	1372	1242	13.46595	11.15135	7.949847	8.100073
ENSMUSGI	1549.031	1683.562	971.4632	1125.783	0.56251	0.00011	0.002838	Numa1	chr7	+	1.02E+08	1.02E+08	7153	protein_co	nuclear_m	1713	1740	954	1017	9.310914	10.07603	5.640637	6.786048
ENSMUSGI	3482.38	3861.549	2420.512	2192.897	0.61927	1.67E-06	0.000135	Nrxn3	chr12	+	88722876	90334935	7922	protein_co	neurexin_l	3851	3991	2377	1981	18.9	20.86773	12.69002	11.90366
ENSMUSGI	366.2332	371.5447	214.8624	221.3929	0.60697	0																	