

This file contains
Gene expression comparison between DOT1L KO and WT Activated B cells
TMM normalized RNA-seq counts (<i>Bach2</i> , <i>Prdm1</i> , <i>Sdc1</i> , <i>Myc</i> , <i>Ezh2</i> , <i>Cdkn1a</i> , <i>Irf4</i>) from DOT1L KO and WT Activated B cells
Plasma Signature genes
Myc Target genes

Activated B cells

Negative logFC indicates that a gene is down in DOT1L-KO

Postive logFC indicates that a gene is up in DOT1L-KO

Gene with FDR < 0.05 is considered significant

ID	logFC	logCPM	PValue	FDR
ENSMUSG00000028005	8.18461252	0.5136603	7.21E-18	1.14E-15
ENSMUSG00000033542	6.39567164	1.99491419	4.02E-29	4.81E-26
ENSMUSG00000044033	6.23879957	0.638926	1.29E-17	1.96E-15
ENSMUSG00000099391	6.1845375	0.57877359	3.44E-17	4.76E-15
ENSMUSG00000040254	6.14332033	2.8687399	5.52E-35	5.95E-31
ENSMUSG00000020092	6.07810387	0.4924649	2.60E-16	3.12E-14
ENSMUSG00000040964	5.95686134	0.39687424	2.84E-15	2.92E-13
ENSMUSG00000064043	5.82191812	0.9842993	5.55E-20	1.33E-17
ENSMUSG00000029279	5.38780549	3.0834202	2.29E-33	6.17E-30
ENSMUSG00000027204	5.34805046	1.04860524	7.09E-19	1.34E-16
ENSMUSG00000021806	5.28919223	1.85476332	5.46E-25	3.68E-22
ENSMUSG00000029330	5.20822139	2.58974176	3.59E-29	4.81E-26
ENSMUSG00000022438	5.20342863	1.52506333	3.96E-22	1.43E-19
ENSMUSG00000074743	5.17031989	0.42244239	1.40E-14	1.22E-12
ENSMUSG00000040616	5.12633639	0.39794657	1.54E-13	1.06E-11
ENSMUSG00000054640	5.10886202	0.34339596	5.36E-14	4.16E-12
ENSMUSG00000024669	5.05791966	0.8044948	2.60E-16	3.12E-14
ENSMUSG00000036381	4.99333471	1.79446674	2.03E-22	8.11E-20
ENSMUSG00000094025	4.86900809	0.13098736	2.79E-13	1.82E-11
ENSMUSG00000025555	4.8328413	1.22246011	3.29E-18	5.62E-16
ENSMUSG00000036334	4.75874751	2.47657691	2.75E-26	2.47E-23
ENSMUSG00000024897	4.72906334	0.47229623	4.91E-15	4.74E-13
ENSMUSG00000017002	4.6099768	4.32087207	9.10E-34	3.61E-30
ENSMUSG00000000058	4.54883211	0.32446757	5.83E-13	3.61E-11
ENSMUSG00000023328	4.51615929	0.92598616	5.06E-16	5.69E-14
ENSMUSG00000021876	4.51220019	0.6416821	3.73E-14	3.05E-12
ENSMUSG00000022861	4.47372983	0.25585565	3.76E-13	2.37E-11
ENSMUSG00000004891	4.46415446	2.00203114	2.47E-22	9.17E-20
ENSMUSG00000027072	4.4401419	0.82529545	2.09E-16	2.57E-14
ENSMUSG00000066705	4.43093988	0.59427323	1.20E-13	8.49E-12
ENSMUSG00000028037	4.40146151	5.4258615	1.01E-33	3.61E-30
ENSMUSG00000073489	4.29385148	3.6619855	7.91E-29	8.53E-26
ENSMUSG00000043940	4.28758633	2.91142319	5.78E-26	4.46E-23
ENSMUSG00000052512	4.22654635	1.79858266	1.31E-19	2.81E-17
ENSMUSG00000023959	4.18443945	0.60791443	7.48E-14	5.52E-12
ENSMUSG00000030772	4.1780048	1.77868722	1.48E-20	3.80E-18
ENSMUSG00000057182	4.14213019	1.87228866	1.73E-20	4.33E-18

ENSMUSG00000045672	4.13782146	0.79195194	1.13E-14	1.02E-12
ENSMUSG00000029810	4.11052179	7.22372121	7.24E-32	1.56E-28
ENSMUSG00000066861	4.09967181	1.16783582	1.33E-15	1.42E-13
ENSMUSG00000042759	4.09373576	2.43622695	5.14E-23	2.22E-20
ENSMUSG00000048899	4.07791174	0.27033369	1.16E-11	5.44E-10
ENSMUSG00000028184	4.07223579	5.23360913	8.44E-30	1.46E-26
ENSMUSG00000032363	4.04240009	1.35521981	1.49E-17	2.17E-15
ENSMUSG00000026883	4.04178263	1.93626036	6.12E-21	1.89E-18
ENSMUSG00000026463	4.02563414	2.71671874	2.39E-23	1.07E-20
ENSMUSG00000032718	4.02415207	0.70815033	6.51E-14	4.91E-12
ENSMUSG00000059498	4.02110141	2.77101335	1.25E-23	6.75E-21
ENSMUSG00000073226	4.01833416	0.85393706	2.59E-15	2.69E-13
ENSMUSG00000039835	4.01303754	0.45126433	3.77E-13	2.37E-11
ENSMUSG00000057135	4.00101367	1.23353004	1.98E-15	2.07E-13
ENSMUSG00000000530	3.98640577	1.69457754	5.60E-18	9.29E-16
ENSMUSG00000043391	3.96931851	2.30952378	7.03E-21	2.00E-18
ENSMUSG00000026548	3.94673022	2.60167787	2.34E-22	9.03E-20
ENSMUSG00000076613	3.93922511	6.79552903	9.48E-30	1.46E-26
ENSMUSG00000022844	3.90177633	0.62301879	1.51E-12	8.47E-11
ENSMUSG00000028207	3.90007228	2.44441419	1.32E-21	4.46E-19
ENSMUSG00000045039	3.88763678	0.59962651	2.38E-12	1.27E-10
ENSMUSG00000005672	3.88587237	3.1659211	3.93E-24	2.23E-21
ENSMUSG00000061356	3.86882134	2.649526	7.43E-22	2.58E-19
ENSMUSG00000041488	3.85678003	1.4634043	1.35E-16	1.71E-14
ENSMUSG00000046152	3.85305586	0.61065108	8.12E-12	3.96E-10
ENSMUSG00000025491	3.82960611	0.32454711	2.24E-11	1.00E-09
ENSMUSG00000046058	3.82450841	0.89571258	7.28E-14	5.41E-12
ENSMUSG00000020900	3.8156365	1.78291674	5.76E-18	9.42E-16
ENSMUSG00000027071	3.78807146	1.96594835	3.38E-18	5.70E-16
ENSMUSG00000038235	3.78632247	1.6871324	2.15E-17	3.05E-15
ENSMUSG00000039943	3.75460621	2.77523472	3.03E-21	9.61E-19
ENSMUSG00000062545	3.73890519	2.32922933	3.14E-19	6.27E-17
ENSMUSG00000023367	3.72015829	5.7284357	1.32E-26	1.29E-23
ENSMUSG00000022505	3.70611759	1.34060804	6.19E-15	5.75E-13
ENSMUSG00000068220	3.70555481	5.14106396	5.41E-26	4.46E-23
ENSMUSG00000053158	3.70545257	1.8765303	1.37E-17	2.05E-15
ENSMUSG00000026833	3.69405541	1.59502008	1.34E-16	1.71E-14
ENSMUSG00000038894	3.6869124	1.30145882	2.97E-15	3.03E-13
ENSMUSG00000025492	3.65961547	4.72126294	5.29E-25	3.68E-22
ENSMUSG00000026814	3.65481034	1.99942917	2.33E-17	3.27E-15
ENSMUSG00000086291	3.65187384	0.38559469	3.09E-11	1.34E-09
ENSMUSG00000047842	3.6507567	1.45832785	4.91E-16	5.57E-14
ENSMUSG00000053025	3.65066058	0.3957093	1.08E-10	4.18E-09

ENSMUSG00000022584	3.64807138	4.41995192	1.81E-24	1.09E-21
ENSMUSG00000001247	3.64545126	0.75721645	2.34E-12	1.26E-10
ENSMUSG00000028859	3.63522776	1.67565176	6.97E-17	9.39E-15
ENSMUSG00000020121	3.62507245	0.75444357	7.10E-12	3.51E-10
ENSMUSG00000015968	3.61757012	2.07801308	2.68E-18	4.67E-16
ENSMUSG00000073490	3.60040761	5.09501066	7.36E-25	4.67E-22
ENSMUSG00000095079	3.58834816	3.70633768	2.27E-23	1.06E-20
ENSMUSG00000047747	3.56568911	0.49463571	1.97E-11	8.99E-10
ENSMUSG00000022469	3.56001238	1.29164717	1.12E-14	1.02E-12
ENSMUSG00000049191	3.55871676	1.31718231	2.90E-14	2.40E-12
ENSMUSG00000018398	3.53665669	3.00854865	1.46E-20	3.80E-18
ENSMUSG00000026932	3.53400011	1.38753926	1.83E-14	1.57E-12
ENSMUSG00000040152	3.52960622	3.78210063	1.55E-22	6.44E-20
ENSMUSG00000022440	3.52521721	2.38085935	1.60E-18	2.87E-16
ENSMUSG00000024659	3.52359333	2.29243146	1.48E-18	2.71E-16
ENSMUSG00000029304	3.51158373	3.36147914	6.39E-21	1.91E-18
ENSMUSG00000002324	3.49814787	0.93112107	1.92E-12	1.06E-10
ENSMUSG00000048388	3.49698765	0.77877842	3.81E-12	1.98E-10
ENSMUSG00000058297	3.49219253	1.12696285	1.16E-13	8.30E-12
ENSMUSG00000024664	3.49167324	2.91434131	1.07E-19	2.41E-17
ENSMUSG00000026012	3.48699573	4.98867021	1.69E-23	8.68E-21
ENSMUSG00000027073	3.48131455	1.90654021	8.54E-17	1.12E-14
ENSMUSG00000038963	3.45089658	5.15170632	1.81E-23	8.87E-21
ENSMUSG00000043895	3.43707271	2.44943359	7.42E-18	1.16E-15
ENSMUSG00000038463	3.42607606	3.03658825	1.45E-19	3.06E-17
ENSMUSG00000027848	3.42390161	1.11347514	1.29E-12	7.39E-11
ENSMUSG00000048440	3.40421377	3.68709442	6.78E-21	1.98E-18
ENSMUSG00000062960	3.37170762	1.5282985	1.18E-14	1.05E-12
ENSMUSG00000020886	3.37092013	0.9225341	2.81E-12	1.48E-10
ENSMUSG00000017417	3.3600382	0.52986053	1.96E-10	6.99E-09
ENSMUSG00000022010	3.35793681	3.64967201	1.79E-20	4.38E-18
ENSMUSG00000049807	3.35667574	0.65819835	3.88E-11	1.65E-09
ENSMUSG00000019852	3.35183418	0.77293419	1.64E-11	7.61E-10
ENSMUSG00000026437	3.35163561	0.91478433	8.94E-12	4.32E-10
ENSMUSG00000061411	3.34538199	1.31498425	3.02E-13	1.95E-11
ENSMUSG00000041729	3.3393746	1.66921115	9.00E-15	8.30E-13
ENSMUSG00000012428	3.33331277	3.13425237	4.54E-19	8.75E-17
ENSMUSG00000052821	3.3247182	1.41516137	1.91E-13	1.30E-11
ENSMUSG00000033470	3.3171353	1.3675806	1.78E-13	1.22E-11
ENSMUSG00000076612	3.30765929	4.13271415	8.51E-21	2.35E-18
ENSMUSG00000026475	3.30152764	1.77056708	5.54E-15	5.20E-13
ENSMUSG00000032092	3.29961004	0.62111896	2.03E-10	7.18E-09
ENSMUSG00000070942	3.29722894	0.57760456	4.99E-11	2.09E-09

ENSMUSG00000033590	3.29296605	1.1944889	1.38E-12	7.82E-11
ENSMUSG00000066952	3.28816697	1.03646698	2.09E-12	1.15E-10
ENSMUSG00000030789	3.28439424	1.46303035	6.15E-14	4.67E-12
ENSMUSG00000005883	3.27489916	0.58845592	1.80E-10	6.53E-09
ENSMUSG00000034485	3.26429284	1.70504284	2.34E-14	1.97E-12
ENSMUSG00000045790	3.26301744	0.41215102	3.46E-10	1.17E-08
ENSMUSG00000040183	3.25532914	0.46135115	1.75E-09	4.96E-08
ENSMUSG00000062995	3.25214278	2.05774361	9.99E-16	1.09E-13
ENSMUSG00000010830	3.24711758	0.39792167	5.65E-10	1.83E-08
ENSMUSG00000019944	3.23833891	2.27487593	1.75E-16	2.17E-14
ENSMUSG00000030208	3.23185061	2.56563238	1.44E-17	2.13E-15
ENSMUSG00000059901	3.23054943	0.89548388	1.58E-11	7.39E-10
ENSMUSG00000039616	3.21750321	0.64729613	5.98E-11	2.42E-09
ENSMUSG00000009654	3.2143486	1.55640182	5.61E-14	4.32E-12
ENSMUSG00000032231	3.21389519	3.52621369	3.61E-19	7.08E-17
ENSMUSG00000019970	3.21085877	1.70521283	4.68E-14	3.71E-12
ENSMUSG00000026014	3.20896216	4.87060244	8.97E-21	2.42E-18
ENSMUSG00000035105	3.2059457	2.36530784	3.57E-16	4.10E-14
ENSMUSG00000037202	3.19326917	1.40694337	2.55E-13	1.70E-11
ENSMUSG00000071714	3.19180806	3.78207251	1.56E-19	3.24E-17
ENSMUSG00000055980	3.18497103	1.04192621	6.08E-11	2.45E-09
ENSMUSG00000029913	3.17086535	1.76082762	2.48E-14	2.08E-12
ENSMUSG00000050394	3.16506633	1.48187453	5.87E-13	3.61E-11
ENSMUSG00000025151	3.15432494	4.55419816	6.31E-20	1.48E-17
ENSMUSG00000028927	3.13958725	3.13072778	1.01E-17	1.56E-15
ENSMUSG00000027611	3.13601811	0.33023745	4.36E-09	1.14E-07
ENSMUSG00000005397	3.13582491	4.40351415	1.07E-19	2.41E-17
ENSMUSG00000001663	3.1324478	0.87986801	7.37E-12	3.63E-10
ENSMUSG00000025867	3.11704621	1.23327651	1.07E-11	5.08E-10
ENSMUSG00000027175	3.11541109	2.10392407	4.92E-15	4.74E-13
ENSMUSG00000006930	3.11331461	1.36751152	2.77E-13	1.82E-11
ENSMUSG00000036036	3.10988916	1.18306508	9.47E-12	4.52E-10
ENSMUSG00000030124	3.08860488	0.88873497	5.74E-11	2.36E-09
ENSMUSG00000038507	3.08008189	5.01200635	1.29E-19	2.81E-17
ENSMUSG00000021678	3.07895149	1.22034499	5.89E-12	2.97E-10
ENSMUSG00000087598	3.05824421	1.93525864	1.92E-14	1.64E-12
ENSMUSG00000037306	3.04627133	1.14236668	2.92E-11	1.28E-09
ENSMUSG00000095918	3.0437154	0.20566632	3.04E-09	8.19E-08
ENSMUSG00000052364	3.04228989	0.28075413	3.06E-08	6.63E-07
ENSMUSG00000002602	3.04052188	3.95458222	2.67E-18	4.67E-16
ENSMUSG00000033855	3.03660758	1.48069775	1.35E-12	7.67E-11
ENSMUSG00000044345	3.02441406	1.8279231	6.14E-14	4.67E-12
ENSMUSG00000036053	3.0180279	5.5995224	2.87E-19	5.84E-17

ENSMUSG00000024140	3.01050136	2.16727377	4.67E-14	3.71E-12
ENSMUSG00000022421	3.01018187	1.74420155	2.05E-13	1.38E-11
ENSMUSG00000069920	3.00841895	0.82830109	1.50E-10	5.61E-09
ENSMUSG00000047712	3.00423126	1.34409283	2.33E-12	1.26E-10
ENSMUSG00000018906	3.00250337	0.448456	8.02E-10	2.46E-08
ENSMUSG00000049985	2.99773003	1.45103436	3.07E-12	1.61E-10
ENSMUSG00000020061	2.99402353	0.51366541	5.66E-09	1.43E-07
ENSMUSG00000032194	2.98321166	0.69134911	5.59E-10	1.82E-08
ENSMUSG00000074923	2.97458386	0.55496749	1.17E-09	3.44E-08
ENSMUSG00000053965	2.97359593	1.6033002	9.43E-13	5.56E-11
ENSMUSG00000026796	2.97281416	2.19611817	2.99E-14	2.46E-12
ENSMUSG00000018930	2.9677659	1.97950755	5.32E-14	4.16E-12
ENSMUSG00000032281	2.95382961	0.34258661	1.88E-08	4.26E-07
ENSMUSG00000033906	2.95369616	0.71193342	2.44E-09	6.70E-08
ENSMUSG00000035385	2.93410171	1.61962897	1.08E-12	6.26E-11
ENSMUSG00000047250	2.93378267	2.54733352	1.31E-14	1.16E-12
ENSMUSG00000026131	2.9163397	3.62854132	8.34E-17	1.11E-14
ENSMUSG00000060063	2.90603883	2.46878974	2.19E-14	1.86E-12
ENSMUSG00000038732	2.89529203	1.2234252	5.22E-11	2.16E-09
ENSMUSG00000034714	2.89498486	0.98415019	1.59E-10	5.87E-09
ENSMUSG00000028378	2.89319675	3.7615066	1.21E-16	1.57E-14
ENSMUSG00000050953	2.88661725	0.71064188	1.32E-09	3.85E-08
ENSMUSG00000021477	2.88620836	3.31894889	5.14E-16	5.71E-14
ENSMUSG00000039735	2.88348498	3.15794451	1.13E-15	1.22E-13
ENSMUSG00000021069	2.88096351	1.45726336	5.97E-12	3.00E-10
ENSMUSG00000012350	2.87214668	0.49319551	7.06E-09	1.77E-07
ENSMUSG00000049866	2.86761478	4.16421428	6.10E-17	8.33E-15
ENSMUSG00000024899	2.8655612	2.07405595	6.24E-13	3.80E-11
ENSMUSG00000000555	2.84909658	2.33398451	1.36E-13	9.48E-12
ENSMUSG00000058325	2.84590522	0.95454204	4.84E-10	1.59E-08
ENSMUSG00000033174	2.84062984	3.01873629	5.15E-15	4.89E-13
ENSMUSG00000076615	2.83745858	6.6463899	6.45E-18	1.04E-15
ENSMUSG00000054072	2.82874678	4.36110175	1.45E-16	1.81E-14
ENSMUSG00000029153	2.82472055	1.43027585	2.24E-11	1.00E-09
ENSMUSG00000069830	2.81234771	2.22775801	2.95E-13	1.91E-11
ENSMUSG00000055172	2.80635504	0.91553319	5.58E-10	1.82E-08
ENSMUSG00000030786	2.80577836	4.01693176	2.69E-16	3.18E-14
ENSMUSG00000018339	2.80511248	0.74541052	2.00E-09	5.59E-08
ENSMUSG00000010307	2.80132821	0.96379158	2.27E-10	7.96E-09
ENSMUSG00000034271	2.79943091	1.12285051	3.25E-10	1.10E-08
ENSMUSG00000033880	2.79453764	6.49621968	1.85E-17	2.66E-15
ENSMUSG00000000903	2.78429008	3.06195821	1.39E-14	1.22E-12
ENSMUSG00000050989	2.78366422	2.37934581	1.99E-13	1.34E-11

ENSMUSG00000026073	2.76658026	4.58465915	3.17E-16	3.71E-14
ENSMUSG00000039963	2.7652525	0.63797756	6.78E-09	1.71E-07
ENSMUSG00000059327	2.75304626	0.46611462	8.69E-08	1.70E-06
ENSMUSG00000026589	2.75009435	0.46528269	1.08E-07	2.08E-06
ENSMUSG00000042453	2.74757882	1.33708273	5.88E-10	1.89E-08
ENSMUSG00000024935	2.74722225	1.72194213	5.43E-12	2.76E-10
ENSMUSG00000005533	2.74155653	0.79042742	5.16E-09	1.32E-07
ENSMUSG00000034462	2.73965291	2.00199899	2.38E-12	1.27E-10
ENSMUSG00000052270	2.73754547	2.53978585	7.67E-14	5.59E-12
ENSMUSG00000042156	2.73191896	2.72698233	1.36E-13	9.48E-12
ENSMUSG00000061186	2.72641095	4.12587002	1.42E-15	1.50E-13
ENSMUSG00000094502	2.72375655	2.0000355	7.98E-12	3.91E-10
ENSMUSG00000009092	2.72254667	3.63281621	3.58E-15	3.61E-13
ENSMUSG00000033460	2.72089062	0.7788579	5.16E-09	1.32E-07
ENSMUSG00000060716	2.71786056	0.55904432	8.60E-09	2.11E-07
ENSMUSG00000024424	2.71754755	2.04045394	1.60E-12	8.94E-11
ENSMUSG00000038740	2.71298809	2.2177338	1.27E-12	7.30E-11
ENSMUSG00000024459	2.69392593	2.63174913	3.16E-13	2.03E-11
ENSMUSG00000022836	2.69295975	1.47823062	6.96E-11	2.78E-09
ENSMUSG00000029223	2.69216704	4.11750986	3.72E-15	3.68E-13
ENSMUSG00000021200	2.6892607	3.01241192	3.97E-14	3.22E-12
ENSMUSG00000027199	2.68902769	5.07883024	7.10E-16	7.81E-14
ENSMUSG00000020828	2.68884684	2.18684334	2.31E-12	1.26E-10
ENSMUSG00000033066	2.67606982	3.10309903	4.50E-14	3.62E-12
ENSMUSG00000050708	2.66170253	7.44435532	3.30E-16	3.82E-14
ENSMUSG00000041460	2.66123775	0.98633785	3.89E-09	1.03E-07
ENSMUSG00000024968	2.6556788	0.9394132	1.08E-08	2.59E-07
ENSMUSG00000027399	2.653934	4.37476798	3.63E-15	3.63E-13
ENSMUSG00000017057	2.65087826	2.93746733	1.32E-13	9.28E-12
ENSMUSG00000038502	2.64832349	1.04524328	1.98E-09	5.55E-08
ENSMUSG00000068551	2.64134485	1.98379678	2.56E-11	1.13E-09
ENSMUSG00000041444	2.63091622	1.46659557	1.59E-10	5.87E-09
ENSMUSG00000025804	2.63038768	1.61571296	2.07E-11	9.44E-10
ENSMUSG00000030579	2.62818958	1.78278757	5.90E-11	2.40E-09
ENSMUSG00000027398	2.61863882	4.56949617	5.17E-15	4.89E-13
ENSMUSG00000050578	2.61629762	1.19043111	2.97E-10	1.01E-08
ENSMUSG00000038775	2.6142553	1.91885023	1.73E-11	8.01E-10
ENSMUSG00000036611	2.61126018	0.8862236	1.14E-08	2.72E-07
ENSMUSG00000020297	2.60836372	1.25674575	1.19E-09	3.50E-08
ENSMUSG00000026576	2.60713861	3.66459543	5.22E-14	4.11E-12
ENSMUSG00000039787	2.60021352	1.49806806	1.86E-10	6.70E-09
ENSMUSG00000049988	2.59914945	1.36485649	5.12E-10	1.68E-08
ENSMUSG00000032501	2.59688118	3.31388033	1.07E-13	7.67E-12

ENSMUSG0000002190	2.59574634	1.60433002	2.31E-10	8.10E-09
ENSMUSG00000035042	2.58691167	4.54776508	1.09E-14	9.98E-13
ENSMUSG00000015474	2.58610594	0.59109789	4.17E-08	8.76E-07
ENSMUSG00000026070	2.58236422	1.89816702	5.72E-11	2.36E-09
ENSMUSG00000076666	2.57939858	3.15328323	3.57E-13	2.28E-11
ENSMUSG00000042476	2.57707701	2.62464964	2.33E-12	1.26E-10
ENSMUSG00000095923	2.57578179	0.71844362	1.62E-08	3.73E-07
ENSMUSG00000020937	2.57418804	1.001718	8.69E-09	2.13E-07
ENSMUSG00000028885	2.56273232	1.47968528	2.74E-10	9.48E-09
ENSMUSG00000033287	2.55462067	1.92169829	3.01E-11	1.31E-09
ENSMUSG00000006611	2.55365837	1.61791815	4.81E-10	1.59E-08
ENSMUSG00000049001	2.55023762	2.06143869	3.29E-11	1.41E-09
ENSMUSG00000022102	2.54692054	1.07364291	4.33E-09	1.14E-07
ENSMUSG00000097471	2.54018989	0.95213774	9.12E-09	2.22E-07
ENSMUSG00000022994	2.53839923	0.67635409	2.10E-08	4.72E-07
ENSMUSG00000011148	2.53818114	2.31503888	2.75E-11	1.20E-09
ENSMUSG00000024164	2.53711385	1.78815948	8.44E-11	3.31E-09
ENSMUSG00000032262	2.53694108	0.48259369	2.25E-07	4.05E-06
ENSMUSG00000037638	2.52705688	0.8360894	1.73E-08	3.97E-07
ENSMUSG00000031444	2.52315065	0.88031291	5.84E-09	1.48E-07
ENSMUSG00000040809	2.52275876	2.1835473	2.64E-11	1.16E-09
ENSMUSG0000002006	2.52095799	1.32158538	3.04E-09	8.19E-08
ENSMUSG00000041845	2.52028314	0.60464056	7.04E-08	1.41E-06
ENSMUSG00000049103	2.5194121	0.65160684	1.25E-07	2.38E-06
ENSMUSG00000029287	2.51829358	1.85606222	1.02E-10	3.98E-09
ENSMUSG00000005803	2.51719928	0.98889678	1.36E-08	3.19E-07
ENSMUSG00000022098	2.51690284	1.17019881	9.32E-09	2.25E-07
ENSMUSG00000035829	2.51320257	0.92114103	1.53E-08	3.55E-07
ENSMUSG00000028041	2.50927194	2.07949311	3.29E-11	1.41E-09
ENSMUSG00000058715	2.50720479	3.41299484	3.78E-13	2.37E-11
ENSMUSG00000027993	2.5024955	1.46446572	1.87E-09	5.28E-08
ENSMUSG00000058099	2.49578554	3.39226345	7.93E-13	4.70E-11
ENSMUSG00000095115	2.49549402	3.2741246	5.88E-13	3.61E-11
ENSMUSG00000039831	2.49206905	1.78598631	6.71E-10	2.09E-08
ENSMUSG00000037902	2.48493228	4.50982184	9.52E-14	6.89E-12
ENSMUSG00000051439	2.47894092	0.57577187	1.06E-07	2.05E-06
ENSMUSG00000021596	2.47860159	2.04256709	9.23E-11	3.61E-09
ENSMUSG00000058672	2.47615353	3.14923086	2.11E-12	1.16E-10
ENSMUSG00000078670	2.47545593	1.58240124	6.86E-10	2.12E-08
ENSMUSG00000017144	2.47095189	1.80803338	1.68E-10	6.15E-09
ENSMUSG00000039497	2.46609547	4.50153172	1.60E-13	1.10E-11
ENSMUSG00000020176	2.46575558	0.84680217	6.22E-08	1.26E-06
ENSMUSG00000021779	2.46533568	1.48632934	2.36E-09	6.52E-08

ENSMUSG00000027995	2.46459273	3.56430398	7.52E-13	4.48E-11
ENSMUSG00000094102	2.46363108	2.537497	1.93E-11	8.86E-10
ENSMUSG00000071311	2.45367846	0.41436014	1.02E-06	1.61E-05
ENSMUSG00000022332	2.45217998	1.68686196	2.02E-09	5.63E-08
ENSMUSG00000046207	2.44931928	3.76451594	6.29E-13	3.81E-11
ENSMUSG00000024544	2.44890512	1.48598699	8.84E-10	2.68E-08
ENSMUSG00000039234	2.44772307	5.53680406	7.66E-14	5.59E-12
ENSMUSG00000050538	2.44693492	1.81463333	6.03E-10	1.92E-08
ENSMUSG00000005413	2.43683974	6.07419192	6.96E-14	5.21E-12
ENSMUSG00000036206	2.43505866	0.89922291	8.54E-08	1.67E-06
ENSMUSG00000003526	2.43390377	0.81050577	6.87E-08	1.38E-06
ENSMUSG00000024885	2.4329281	3.6371537	1.06E-12	6.16E-11
ENSMUSG00000041362	2.42934531	2.12230017	5.82E-11	2.38E-09
ENSMUSG00000025993	2.42848426	0.74334091	5.24E-08	1.07E-06
ENSMUSG00000030259	2.42777496	1.81846114	3.98E-10	1.34E-08
ENSMUSG00000004359	2.42594031	1.91389789	1.34E-10	5.02E-09
ENSMUSG00000053469	2.4180194	1.12348947	7.56E-09	1.88E-07
ENSMUSG00000032841	2.41508959	1.65419798	1.68E-09	4.79E-08
ENSMUSG00000048905	2.41354361	1.29267744	7.00E-09	1.76E-07
ENSMUSG00000015243	2.41062929	3.11346087	3.73E-12	1.94E-10
ENSMUSG00000003283	2.40753149	3.17608989	4.09E-12	2.10E-10
ENSMUSG00000004032	2.39868926	1.9933529	2.80E-10	9.60E-09
ENSMUSG00000044788	2.39722567	0.39530734	4.05E-07	6.95E-06
ENSMUSG00000034586	2.39243232	2.27910424	8.22E-11	3.24E-09
ENSMUSG00000030494	2.39100921	0.87168942	4.37E-08	9.13E-07
ENSMUSG00000017754	2.39055631	4.32132047	9.54E-13	5.59E-11
ENSMUSG00000026068	2.38988868	3.04685709	9.55E-12	4.54E-10
ENSMUSG00000071723	2.38971878	1.53433186	2.54E-09	6.91E-08
ENSMUSG00000068874	2.38744956	1.14238869	1.98E-08	4.45E-07
ENSMUSG00000074417	2.38285943	0.80063795	1.06E-07	2.05E-06
ENSMUSG00000063354	2.38194148	3.14228685	9.23E-12	4.42E-10
ENSMUSG00000044072	2.37938106	1.80605486	7.42E-10	2.29E-08
ENSMUSG00000020658	2.37840699	1.75850941	9.29E-10	2.78E-08
ENSMUSG00000024538	2.37603433	1.59977818	4.20E-09	1.10E-07
ENSMUSG00000022246	2.36970372	3.12661887	1.91E-11	8.80E-10
ENSMUSG00000019539	2.36948676	0.74653322	2.07E-07	3.76E-06
ENSMUSG00000030792	2.36353621	1.2235578	1.74E-08	3.97E-07
ENSMUSG00000026317	2.36170361	1.68581301	1.47E-09	4.27E-08
ENSMUSG00000020101	2.35946822	4.99966231	6.48E-13	3.91E-11
ENSMUSG00000021589	2.35531153	1.24587413	1.41E-08	3.32E-07
ENSMUSG00000079339	2.35455922	2.44873027	1.64E-10	6.01E-09
ENSMUSG00000028354	2.35164657	1.74785582	3.86E-09	1.03E-07
ENSMUSG00000038807	2.34977342	4.32884932	1.31E-12	7.50E-11

ENSMUSG0000005800	2.34884306	2.6927455	3.66E-11	1.56E-09
ENSMUSG00000068566	2.34702058	5.67835176	5.88E-13	3.61E-11
ENSMUSG00000006179	2.34577316	1.42349958	1.49E-08	3.48E-07
ENSMUSG00000041115	2.34302012	2.00652304	8.44E-10	2.57E-08
ENSMUSG00000034738	2.34140474	1.66247363	4.75E-09	1.23E-07
ENSMUSG00000009376	2.3376239	2.07132562	5.80E-10	1.87E-08
ENSMUSG00000068227	2.33647869	3.89938297	3.61E-12	1.89E-10
ENSMUSG00000023349	2.33416903	3.47431786	8.60E-12	4.18E-10
ENSMUSG00000060131	2.33393585	3.6381851	6.12E-12	3.06E-10
ENSMUSG00000033213	2.33264421	1.24356851	2.68E-08	5.89E-07
ENSMUSG00000059149	2.33250321	2.28684069	2.78E-10	9.58E-09
ENSMUSG00000076548	2.33114798	2.3222282	3.52E-10	1.19E-08
ENSMUSG00000076688	2.32660387	2.73401341	1.03E-10	4.00E-09
ENSMUSG00000029468	2.32381685	2.60372278	1.28E-10	4.83E-09
ENSMUSG00000029822	2.32305368	3.1805058	2.43E-11	1.08E-09
ENSMUSG00000005986	2.3226799	1.38435327	1.29E-08	3.04E-07
ENSMUSG00000033705	2.31885095	2.22195425	4.81E-10	1.59E-08
ENSMUSG00000076441	2.31821933	6.60525362	6.60E-13	3.96E-11
ENSMUSG00000039629	2.31116667	2.11654097	4.46E-10	1.49E-08
ENSMUSG00000051579	2.30968736	2.07649309	6.33E-10	1.99E-08
ENSMUSG00000055435	2.30697101	0.99112398	5.93E-08	1.20E-06
ENSMUSG00000053216	2.30618574	0.4812258	1.32E-06	2.01E-05
ENSMUSG00000018417	2.30565182	0.94164445	1.33E-07	2.50E-06
ENSMUSG00000018920	2.30539179	0.94430121	3.68E-08	7.83E-07
ENSMUSG00000051790	2.30532002	1.55436123	5.07E-09	1.30E-07
ENSMUSG00000037239	2.30493079	1.85546948	1.76E-09	4.97E-08
ENSMUSG00000015222	2.30364165	3.06685631	4.89E-11	2.05E-09
ENSMUSG00000028064	2.30255501	2.41293772	3.29E-10	1.12E-08
ENSMUSG00000036295	2.29932615	2.30232916	5.97E-10	1.90E-08
ENSMUSG00000034171	2.29675363	2.64661517	1.91E-10	6.84E-09
ENSMUSG00000049422	2.29181683	1.90176766	3.94E-09	1.04E-07
ENSMUSG00000032802	2.28973189	2.56949122	1.52E-10	5.67E-09
ENSMUSG00000021453	2.28387193	1.51306752	1.18E-08	2.81E-07
ENSMUSG00000028278	2.28088435	2.52127714	2.90E-10	9.94E-09
ENSMUSG00000070476	2.27846803	0.71869376	3.76E-07	6.54E-06
ENSMUSG00000028494	2.27648255	3.58041646	2.20E-11	9.91E-10
ENSMUSG00000038141	2.27604319	1.42859779	2.32E-08	5.14E-07
ENSMUSG00000018341	2.26592424	0.67139221	9.41E-07	1.49E-05
ENSMUSG00000026879	2.26295939	3.51804706	3.18E-11	1.37E-09
ENSMUSG00000060044	2.26221012	4.78850333	6.27E-12	3.12E-10
ENSMUSG00000051339	2.25267567	1.85666489	4.94E-09	1.27E-07
ENSMUSG00000026836	2.25064164	2.0368823	2.55E-09	6.93E-08
ENSMUSG00000019066	2.24862788	2.41719462	6.19E-10	1.95E-08

ENSMUSG00000024679	2.2484053	3.27851821	5.10E-11	2.12E-09
ENSMUSG00000029026	2.24772269	2.0979054	1.73E-09	4.92E-08
ENSMUSG00000002997	2.24372921	2.65870331	2.46E-10	8.55E-09
ENSMUSG000000051457	2.2368712	5.57974398	5.88E-12	2.97E-10
ENSMUSG00000001348	2.23531025	1.9085289	4.62E-09	1.20E-07
ENSMUSG000000053063	2.2320609	1.40049506	2.18E-08	4.89E-07
ENSMUSG000000040711	2.2219338	0.98248352	1.64E-07	3.03E-06
ENSMUSG000000028556	2.21958262	4.21607654	2.17E-11	9.82E-10
ENSMUSG000000026177	2.2183602	2.02054955	2.18E-09	6.06E-08
ENSMUSG000000045763	2.21738339	3.07653683	1.58E-10	5.86E-09
ENSMUSG000000095642	2.21495893	4.22455104	2.30E-11	1.03E-09
ENSMUSG000000049625	2.21476282	1.75240446	1.80E-08	4.11E-07
ENSMUSG000000005640	2.21296407	0.36090909	2.47E-06	3.54E-05
ENSMUSG000000038764	2.21154995	2.32510644	1.14E-09	3.37E-08
ENSMUSG000000095429	2.20855835	3.97362344	4.01E-11	1.70E-09
ENSMUSG000000074813	2.20777545	2.70064629	4.46E-10	1.49E-08
ENSMUSG000000094051	2.20726776	3.02039644	1.77E-10	6.47E-09
ENSMUSG000000056888	2.20670756	7.92147634	5.31E-12	2.71E-10
ENSMUSG000000055305	2.20073246	0.51570409	2.00E-06	2.93E-05
ENSMUSG000000038034	2.19979372	1.58781652	5.25E-08	1.07E-06
ENSMUSG000000041895	2.19913661	1.45291297	4.78E-08	9.86E-07
ENSMUSG000000068129	2.1966903	3.93863474	5.95E-11	2.41E-09
ENSMUSG000000095442	2.19520443	2.73297675	6.58E-10	2.05E-08
ENSMUSG000000033777	2.192755	1.23454497	3.08E-08	6.68E-07
ENSMUSG000000060703	2.19144002	1.61792878	3.50E-08	7.51E-07
ENSMUSG000000026411	2.19084345	2.49724661	1.49E-09	4.30E-08
ENSMUSG000000029530	2.19006633	2.34602943	1.39E-09	4.04E-08
ENSMUSG000000042155	2.1869803	1.66978286	1.91E-08	4.31E-07
ENSMUSG000000035493	2.18529072	0.64333082	1.12E-06	1.74E-05
ENSMUSG000000024066	2.18132962	4.2781373	4.71E-11	1.99E-09
ENSMUSG000000029322	2.18000731	8.00183415	9.06E-12	4.36E-10
ENSMUSG000000034413	2.17642189	1.50612252	1.81E-08	4.13E-07
ENSMUSG000000030410	2.16695365	0.27099402	9.40E-06	0.00011978
ENSMUSG000000006800	2.16511327	2.26765502	3.79E-09	1.01E-07
ENSMUSG000000026981	2.163906	2.82942508	7.76E-10	2.38E-08
ENSMUSG000000094509	2.16290021	2.52479297	1.65E-09	4.71E-08
ENSMUSG000000034613	2.15939696	2.76436265	8.97E-10	2.71E-08
ENSMUSG000000040265	2.1564134	1.47494635	8.40E-08	1.65E-06
ENSMUSG000000034947	2.15536115	2.12908764	3.99E-09	1.05E-07
ENSMUSG000000062488	2.15370686	1.06089638	4.00E-07	6.89E-06
ENSMUSG000000049037	2.15272403	2.18085058	3.14E-09	8.42E-08
ENSMUSG000000094796	2.14864466	2.86984074	9.29E-10	2.78E-08
ENSMUSG000000096499	2.14661139	4.02200881	1.05E-10	4.07E-09

ENSMUSG00000048534	2.14520003	3.87971695	1.22E-10	4.65E-09
ENSMUSG00000096805	2.14470559	4.11289904	1.09E-10	4.20E-09
ENSMUSG00000022148	2.14455816	3.47118376	2.36E-10	8.23E-09
ENSMUSG00000042331	2.14127537	4.48742329	7.67E-11	3.04E-09
ENSMUSG00000024621	2.14033281	1.28715329	1.28E-07	2.43E-06
ENSMUSG00000028597	2.13602987	1.40470519	8.52E-08	1.67E-06
ENSMUSG00000042272	2.13569168	2.32230196	7.75E-09	1.93E-07
ENSMUSG00000015143	2.13331038	2.52827471	2.51E-09	6.88E-08
ENSMUSG00000044534	2.13101268	1.9886855	2.28E-08	5.07E-07
ENSMUSG00000022297	2.12890145	2.62169609	1.50E-09	4.30E-08
ENSMUSG00000020032	2.1274207	1.8026727	2.53E-08	5.57E-07
ENSMUSG00000003484	2.12675922	3.30347239	5.86E-10	1.89E-08
ENSMUSG00000025351	2.12615592	0.64259315	1.64E-06	2.44E-05
ENSMUSG00000092060	2.12406868	3.75907715	2.12E-10	7.45E-09
ENSMUSG00000076535	2.1225192	4.77431588	8.09E-11	3.20E-09
ENSMUSG00000074896	2.12233731	3.31322051	6.05E-10	1.92E-08
ENSMUSG00000033581	2.12147781	0.5657425	1.35E-06	2.04E-05
ENSMUSG00000062345	2.12138659	3.66058201	1.95E-10	6.95E-09
ENSMUSG00000076540	2.12058346	3.97116448	1.99E-10	7.06E-09
ENSMUSG00000002289	2.11991141	1.31300956	1.51E-07	2.81E-06
ENSMUSG00000003380	2.11229333	1.33096936	2.30E-07	4.11E-06
ENSMUSG00000076695	2.1104385	5.21304448	6.82E-11	2.73E-09
ENSMUSG00000030342	2.10873764	5.30611583	7.30E-11	2.91E-09
ENSMUSG00000021708	2.10634154	1.57450706	9.55E-08	1.85E-06
ENSMUSG00000040209	2.10542398	2.97525643	1.89E-09	5.33E-08
ENSMUSG00000043953	2.10386967	2.39273638	3.87E-09	1.03E-07
ENSMUSG00000019558	2.10305958	1.09738521	8.50E-07	1.37E-05
ENSMUSG00000027636	2.10122391	1.07493928	4.00E-07	6.89E-06
ENSMUSG00000094561	2.09884385	6.06488148	5.81E-11	2.38E-09
ENSMUSG00000025810	2.09595799	0.81839665	1.36E-06	2.06E-05
ENSMUSG00000052271	2.09575675	4.35354188	1.84E-10	6.65E-09
ENSMUSG00000041420	2.08803854	1.48564579	1.39E-07	2.60E-06
ENSMUSG00000035158	2.08737697	1.27554329	1.47E-07	2.73E-06
ENSMUSG00000015305	2.08153515	1.93080947	3.03E-08	6.58E-07
ENSMUSG00000022126	2.07930804	4.84451895	1.64E-10	6.01E-09
ENSMUSG00000036622	2.07887178	3.75067337	6.52E-10	2.04E-08
ENSMUSG00000097101	2.07413343	0.38882821	1.54E-05	0.00018781
ENSMUSG00000021281	2.06966984	2.27051572	9.91E-09	2.39E-07
ENSMUSG00000032661	2.06937286	5.76813045	1.27E-10	4.81E-09
ENSMUSG00000025780	2.06883915	2.23592164	1.50E-08	3.49E-07
ENSMUSG00000033083	2.06839417	3.81723838	5.95E-10	1.90E-08
ENSMUSG00000036362	2.06645419	2.92908092	2.64E-09	7.15E-08
ENSMUSG00000003573	2.06456451	0.77346693	3.18E-06	4.46E-05

ENSMUSG00000024617	2.06408189	2.20981412	1.96E-08	4.43E-07
ENSMUSG00000032690	2.06256941	6.27214983	1.15E-10	4.41E-09
ENSMUSG00000055733	2.05903878	1.50474989	1.27E-07	2.41E-06
ENSMUSG00000076541	2.05513961	1.39583911	1.64E-07	3.03E-06
ENSMUSG00000042842	2.05286609	6.70350482	1.28E-10	4.83E-09
ENSMUSG00000029392	2.04456158	1.61404077	1.26E-07	2.39E-06
ENSMUSG00000026011	2.04219106	3.7436656	9.15E-10	2.76E-08
ENSMUSG00000022468	2.04197414	3.80940685	8.50E-10	2.58E-08
ENSMUSG00000000957	2.04173478	1.82566398	4.06E-08	8.58E-07
ENSMUSG00000068747	2.04123143	1.63572431	1.16E-07	2.22E-06
ENSMUSG00000020439	2.03550111	1.4908855	2.57E-07	4.56E-06
ENSMUSG00000096580	2.03198392	1.45297801	2.24E-07	4.03E-06
ENSMUSG00000049307	2.0282949	2.77385214	9.29E-09	2.25E-07
ENSMUSG00000020057	2.02769633	1.23612333	6.50E-07	1.07E-05
ENSMUSG00000063146	2.02729204	2.4596176	1.28E-08	3.02E-07
ENSMUSG00000076934	2.02614248	8.22618418	1.82E-10	6.58E-09
ENSMUSG00000095200	2.02528812	3.9293147	1.05E-09	3.13E-08
ENSMUSG00000036019	2.02324706	1.67532111	1.88E-07	3.44E-06
ENSMUSG00000050737	2.02267628	1.62974314	1.16E-07	2.22E-06
ENSMUSG00000017493	2.02060578	0.63573407	8.15E-06	0.00010488
ENSMUSG00000029379	2.01911645	4.37657272	6.11E-10	1.93E-08
ENSMUSG00000026358	2.01852622	2.71040852	1.00E-08	2.41E-07
ENSMUSG00000045658	2.01427673	1.12299555	8.50E-07	1.37E-05
ENSMUSG00000034993	2.01333256	2.96017688	4.79E-09	1.24E-07
ENSMUSG00000032691	2.00586838	1.19638237	4.25E-07	7.23E-06
ENSMUSG00000037995	2.00463333	0.83339228	3.11E-06	4.38E-05
ENSMUSG00000026700	2.00239897	2.82564979	8.41E-09	2.08E-07
ENSMUSG00000061175	1.99847479	1.3575747	2.06E-07	3.75E-06
ENSMUSG00000021108	1.99501176	1.4018177	5.19E-07	8.68E-06
ENSMUSG00000000552	1.99407761	2.12888931	7.82E-08	1.55E-06
ENSMUSG00000000982	1.99306851	4.13174478	1.42E-09	4.13E-08
ENSMUSG00000032122	1.99271635	5.67395645	5.77E-10	1.87E-08
ENSMUSG00000020641	1.99226069	5.27572175	6.51E-10	2.04E-08
ENSMUSG00000059248	1.99209546	5.92855543	4.73E-10	1.57E-08
ENSMUSG00000056124	1.99157911	0.90772646	2.16E-06	3.15E-05
ENSMUSG00000026764	1.98909545	2.81946853	9.82E-09	2.37E-07
ENSMUSG00000007987	1.98605955	2.49859773	2.88E-08	6.29E-07
ENSMUSG00000030256	1.98330148	6.14233936	5.23E-10	1.71E-08
ENSMUSG00000036353	1.9802126	2.2855928	6.08E-08	1.23E-06
ENSMUSG00000020279	1.97950975	4.74793122	1.11E-09	3.28E-08
ENSMUSG00000034361	1.97710914	3.12758998	8.57E-09	2.11E-07
ENSMUSG00000035936	1.97551692	1.30344097	8.47E-07	1.37E-05
ENSMUSG00000030144	1.97426708	3.64237461	2.74E-09	7.40E-08

ENSMUSG0000000753	1.97268625	2.20646614	7.39E-08	1.48E-06
ENSMUSG00000052776	1.96996155	4.62234253	1.50E-09	4.30E-08
ENSMUSG00000028926	1.96567146	2.34277867	2.86E-08	6.25E-07
ENSMUSG00000028082	1.96433548	3.51144815	4.56E-09	1.19E-07
ENSMUSG00000025092	1.96401774	2.79017967	1.84E-08	4.19E-07
ENSMUSG0000002250	1.96367978	2.40203819	3.62E-08	7.75E-07
ENSMUSG00000096410	1.96335019	5.43667658	1.02E-09	3.04E-08
ENSMUSG00000066677	1.96258904	4.23647466	3.16E-09	8.47E-08
ENSMUSG00000035273	1.96164956	5.37941593	1.16E-09	3.40E-08
ENSMUSG00000029602	1.95960827	2.83662449	1.91E-08	4.31E-07
ENSMUSG00000021703	1.95670863	6.32909008	8.29E-10	2.53E-08
ENSMUSG00000019990	1.95507805	2.29837603	7.81E-08	1.55E-06
ENSMUSG00000005447	1.95294801	1.69511202	5.38E-07	8.97E-06
ENSMUSG00000035547	1.95178943	2.52489714	3.72E-08	7.91E-07
ENSMUSG00000038545	1.94753271	1.792859	2.74E-07	4.86E-06
ENSMUSG00000022305	1.9404644	1.39320942	1.20E-06	1.85E-05
ENSMUSG00000101581	1.94031619	2.14067848	1.32E-07	2.48E-06
ENSMUSG00000022528	1.93893912	1.29214987	4.40E-07	7.48E-06
ENSMUSG00000046245	1.93594242	0.68138627	6.55E-06	8.61E-05
ENSMUSG00000066755	1.93342018	0.55731619	2.42E-05	0.00028248
ENSMUSG00000025498	1.92908411	5.96984556	1.49E-09	4.30E-08
ENSMUSG00000026179	1.92822161	3.56577522	8.65E-09	2.12E-07
ENSMUSG00000020901	1.92461547	4.1711911	4.64E-09	1.20E-07
ENSMUSG00000073802	1.91713027	2.59234815	5.41E-08	1.10E-06
ENSMUSG00000021822	1.91670087	1.23856989	1.11E-06	1.72E-05
ENSMUSG00000035711	1.91617051	1.6331585	9.04E-07	1.45E-05
ENSMUSG00000040552	1.91126782	1.78286866	4.07E-07	6.97E-06
ENSMUSG00000029759	1.91125943	4.14966848	5.30E-09	1.35E-07
ENSMUSG00000032298	1.91121889	3.44094424	1.25E-08	2.96E-07
ENSMUSG00000020205	1.90806265	1.89158486	3.45E-07	6.06E-06
ENSMUSG00000025433	1.90805212	2.82592221	5.12E-08	1.05E-06
ENSMUSG00000035713	1.90769204	1.04674529	4.12E-06	5.63E-05
ENSMUSG00000025473	1.90524635	2.632519	5.06E-08	1.04E-06
ENSMUSG00000025743	1.90436502	4.36918399	5.10E-09	1.31E-07
ENSMUSG00000021591	1.90364003	5.91899461	2.37E-09	6.53E-08
ENSMUSG00000046841	1.90188578	6.34201615	2.23E-09	6.19E-08
ENSMUSG00000023132	1.9006048	1.27505912	2.92E-06	4.14E-05
ENSMUSG00000004730	1.90043603	5.99431899	2.53E-09	6.91E-08
ENSMUSG00000030064	1.89698498	1.81113542	4.49E-07	7.60E-06
ENSMUSG00000076940	1.89649695	6.26793912	2.52E-09	6.90E-08
ENSMUSG00000079445	1.89287934	3.65923757	1.42E-08	3.32E-07
ENSMUSG00000036502	1.89201357	1.13790886	3.30E-06	4.61E-05
ENSMUSG00000030142	1.88436309	4.25162834	7.87E-09	1.95E-07

ENSMUSG0000003363	1.88409293	3.42112159	2.35E-08	5.20E-07
ENSMUSG0000004508	1.88298814	2.65504351	8.00E-08	1.58E-06
ENSMUSG00000076562	1.88279955	3.71726703	1.54E-08	3.57E-07
ENSMUSG00000041736	1.87991121	2.36169213	1.36E-07	2.55E-06
ENSMUSG00000094164	1.87983187	3.08644727	3.20E-08	6.91E-07
ENSMUSG00000024529	1.87914961	0.62736261	9.76E-06	0.00012416
ENSMUSG00000082088	1.87615648	0.96422619	1.03E-05	0.00013068
ENSMUSG00000094694	1.87472461	5.25773061	5.37E-09	1.36E-07
ENSMUSG00000035776	1.87316532	4.99714813	6.44E-09	1.62E-07
ENSMUSG00000046329	1.87257424	3.00500773	4.71E-08	9.74E-07
ENSMUSG00000038352	1.86626496	4.90783216	7.57E-09	1.88E-07
ENSMUSG00000032561	1.86242986	2.53974778	6.95E-08	1.39E-06
ENSMUSG00000031216	1.86111881	1.28686572	3.31E-06	4.62E-05
ENSMUSG00000059316	1.86108947	2.67593218	9.17E-08	1.78E-06
ENSMUSG00000025044	1.85911681	2.45853939	8.80E-08	1.72E-06
ENSMUSG00000020573	1.85774036	6.82680402	4.58E-09	1.19E-07
ENSMUSG00000032207	1.85681189	1.25819487	2.36E-06	3.41E-05
ENSMUSG00000076598	1.85202923	3.55752785	3.10E-08	6.69E-07
ENSMUSG00000029380	1.85062908	1.90948953	4.55E-07	7.68E-06
ENSMUSG00000030847	1.84708871	2.06419502	3.62E-07	6.32E-06
ENSMUSG00000022132	1.84657112	1.17989379	4.66E-06	6.32E-05
ENSMUSG00000024913	1.84298127	1.02642527	1.09E-05	0.00013651
ENSMUSG00000044037	1.84110489	1.87422311	8.44E-07	1.36E-05
ENSMUSG00000078816	1.84007092	0.97290685	1.53E-05	0.00018619
ENSMUSG00000028476	1.8399059	1.56468158	1.26E-06	1.93E-05
ENSMUSG0000002885	1.83982747	5.47615839	8.88E-09	2.17E-07
ENSMUSG00000056529	1.83654227	1.33028008	3.16E-06	4.44E-05
ENSMUSG00000039007	1.83474997	1.00772086	1.58E-05	0.00019164
ENSMUSG00000073494	1.8347371	0.5350884	4.19E-05	0.00046046
ENSMUSG00000022180	1.82897285	0.84579364	1.40E-05	0.00017308
ENSMUSG00000070780	1.82890663	2.726205	1.21E-07	2.32E-06
ENSMUSG00000031803	1.82727472	0.91958732	1.88E-05	0.00022409
ENSMUSG00000095565	1.82460116	3.49884252	4.55E-08	9.46E-07
ENSMUSG00000079017	1.82425785	6.08734608	9.31E-09	2.25E-07
ENSMUSG00000040009	1.82306433	0.53063608	6.04E-05	0.00063502
ENSMUSG00000022799	1.82177506	3.59598102	4.78E-08	9.86E-07
ENSMUSG00000039236	1.82151054	4.33159109	2.19E-08	4.89E-07
ENSMUSG00000026811	1.81813966	2.24440826	4.03E-07	6.94E-06
ENSMUSG00000029275	1.81599873	1.76187762	1.66E-06	2.47E-05
ENSMUSG00000020085	1.81520002	1.57348545	1.55E-06	2.31E-05
ENSMUSG00000046794	1.81322694	1.92543225	9.07E-07	1.45E-05
ENSMUSG00000024677	1.81234644	6.08206393	1.14E-08	2.72E-07
ENSMUSG00000050315	1.81090023	0.74552187	2.85E-05	0.0003275

ENSMUSG00000013236	1.81071877	2.50774733	2.23E-07	4.03E-06
ENSMUSG00000076668	1.81016656	1.39559719	4.17E-06	5.69E-05
ENSMUSG00000002985	1.80892098	1.94911798	1.16E-06	1.80E-05
ENSMUSG00000046718	1.80623633	6.24383244	1.25E-08	2.96E-07
ENSMUSG00000036606	1.80533752	4.6352891	2.48E-08	5.48E-07
ENSMUSG00000054619	1.80472933	2.2609627	5.00E-07	8.39E-06
ENSMUSG00000030793	1.80152273	4.27193839	3.41E-08	7.32E-07
ENSMUSG00000016756	1.79806712	5.94627285	1.51E-08	3.51E-07
ENSMUSG00000056413	1.79797352	4.06983586	4.18E-08	8.76E-07
ENSMUSG00000009687	1.79392461	6.31131465	1.54E-08	3.56E-07
ENSMUSG00000018507	1.79349749	6.00132544	1.62E-08	3.73E-07
ENSMUSG00000032333	1.79161495	3.47382006	8.70E-08	1.70E-06
ENSMUSG00000022892	1.79142548	3.987754	4.93E-08	1.01E-06
ENSMUSG00000044162	1.79137888	3.2949956	1.32E-07	2.48E-06
ENSMUSG00000030474	1.7905276	0.93678646	1.20E-05	0.00014941
ENSMUSG00000052609	1.78945982	2.63374836	2.24E-07	4.03E-06
ENSMUSG00000054065	1.78891924	2.65191257	3.54E-07	6.20E-06
ENSMUSG00000023913	1.78720926	3.63604909	6.56E-08	1.32E-06
ENSMUSG00000095285	1.78684398	3.94484782	4.61E-08	9.59E-07
ENSMUSG00000029207	1.7861948	1.71061531	2.98E-06	4.21E-05
ENSMUSG00000095612	1.78573202	5.46330088	2.30E-08	5.11E-07
ENSMUSG00000024777	1.78425937	2.40341547	5.31E-07	8.87E-06
ENSMUSG00000022895	1.78335527	4.41986149	3.64E-08	7.77E-07
ENSMUSG00000096150	1.78203887	4.21453387	4.42E-08	9.22E-07
ENSMUSG00000095351	1.78095933	4.87822213	3.23E-08	6.95E-07
ENSMUSG00000019055	1.77932248	2.38482745	4.99E-07	8.39E-06
ENSMUSG00000013033	1.77835584	3.05524722	1.57E-07	2.92E-06
ENSMUSG00000049577	1.77718483	1.61482816	4.52E-06	6.14E-05
ENSMUSG00000021687	1.77646884	2.38850228	5.31E-07	8.87E-06
ENSMUSG00000095583	1.77549282	4.5158485	4.13E-08	8.71E-07
ENSMUSG00000031379	1.77195656	2.05217257	1.72E-06	2.55E-05
ENSMUSG00000096459	1.77040075	6.26180734	2.32E-08	5.14E-07
ENSMUSG00000029816	1.76775039	3.08193807	1.61E-07	2.98E-06
ENSMUSG00000061666	1.7677139	2.25267862	9.33E-07	1.48E-05
ENSMUSG00000072966	1.76766351	3.44824289	1.25E-07	2.38E-06
ENSMUSG00000076545	1.76553405	4.70553365	4.21E-08	8.82E-07
ENSMUSG00000022838	1.76497528	5.0255979	3.88E-08	8.22E-07
ENSMUSG00000023050	1.76470556	2.600129	3.94E-07	6.83E-06
ENSMUSG00000041000	1.76394573	1.88942058	1.97E-06	2.89E-05
ENSMUSG00000094194	1.76329268	4.92554431	4.13E-08	8.71E-07
ENSMUSG00000059089	1.76255144	2.03399051	1.20E-06	1.85E-05
ENSMUSG00000047281	1.76162415	2.35294981	9.58E-07	1.51E-05
ENSMUSG00000020601	1.76157106	5.11332463	3.85E-08	8.18E-07

ENSMUSG00000027078	1.76103703	4.682192	4.88E-08	1.00E-06
ENSMUSG00000067377	1.75748879	2.39386798	7.77E-07	1.26E-05
ENSMUSG00000041954	1.7573269	0.63044128	0.000138	0.00132163
ENSMUSG00000023495	1.75547469	0.91552354	4.28E-05	0.00046886
ENSMUSG00000079293	1.75442917	1.52754746	3.57E-06	4.94E-05
ENSMUSG00000072623	1.7516615	1.97040509	1.14E-06	1.77E-05
ENSMUSG00000018774	1.75162385	3.05444777	2.54E-07	4.53E-06
ENSMUSG00000040322	1.75110492	3.92122696	9.86E-08	1.91E-06
ENSMUSG00000023079	1.74978109	2.78856223	4.00E-07	6.89E-06
ENSMUSG00000095197	1.74905679	1.98649562	1.84E-06	2.70E-05
ENSMUSG00000029650	1.74890669	2.82528311	2.84E-07	5.02E-06
ENSMUSG00000056592	1.748454	2.57826476	5.86E-07	9.74E-06
ENSMUSG00000058427	1.74831672	4.06558762	7.69E-08	1.53E-06
ENSMUSG00000075602	1.74650755	10.1780251	2.78E-08	6.08E-07
ENSMUSG00000058163	1.74604325	3.7396302	1.20E-07	2.31E-06
ENSMUSG00000034616	1.74237086	2.59308136	6.19E-07	1.03E-05
ENSMUSG00000064373	1.74229882	4.34939527	8.15E-08	1.61E-06
ENSMUSG00000051236	1.74026832	2.57497391	7.34E-07	1.20E-05
ENSMUSG00000050957	1.74020078	2.42743409	9.25E-07	1.47E-05
ENSMUSG00000041688	1.73770352	2.02879799	1.30E-06	1.98E-05
ENSMUSG00000079227	1.73723484	4.75214939	6.65E-08	1.34E-06
ENSMUSG00000030774	1.73698567	2.55231852	7.39E-07	1.20E-05
ENSMUSG00000030060	1.73585245	3.26718488	2.26E-07	4.06E-06
ENSMUSG00000052928	1.73573675	1.25234184	1.55E-05	0.00018811
ENSMUSG00000045551	1.73426246	2.70329798	4.42E-07	7.49E-06
ENSMUSG00000031995	1.7323234	3.87049153	1.27E-07	2.41E-06
ENSMUSG00000031239	1.7307723	3.29540127	2.56E-07	4.55E-06
ENSMUSG00000054342	1.73044643	2.7154897	5.74E-07	9.55E-06
ENSMUSG00000042249	1.72892156	2.45044252	1.09E-06	1.71E-05
ENSMUSG0000003032	1.72784544	0.53293496	0.00014458	0.00137369
ENSMUSG00000007891	1.72675466	6.56648984	4.67E-08	9.69E-07
ENSMUSG00000027173	1.72544247	0.90876836	4.60E-05	0.00049786
ENSMUSG00000031596	1.7248646	3.05007774	2.54E-07	4.53E-06
ENSMUSG00000025268	1.72328218	1.22581397	1.44E-05	0.00017672
ENSMUSG00000047371	1.72028336	1.13131733	3.04E-05	0.00034782
ENSMUSG00000030917	1.71997788	0.86132936	3.98E-05	0.00044246
ENSMUSG00000029860	1.71915709	2.27425408	1.69E-06	2.51E-05
ENSMUSG00000056220	1.71905093	2.98335085	4.23E-07	7.20E-06
ENSMUSG00000029053	1.71820182	1.85936823	2.03E-06	2.97E-05
ENSMUSG00000021485	1.71742205	1.48704605	1.04E-05	0.00013138
ENSMUSG00000017631	1.71589327	5.33748011	7.55E-08	1.51E-06
ENSMUSG00000032769	1.71368329	2.09666277	3.17E-06	4.46E-05
ENSMUSG00000039959	1.71309931	4.34434819	1.27E-07	2.41E-06

ENSMUSG00000020882	1.71283352	1.03452408	2.61E-05	0.00030308
ENSMUSG00000093955	1.70894759	2.84969572	6.46E-07	1.06E-05
ENSMUSG00000076543	1.70724755	3.11895358	4.07E-07	6.97E-06
ENSMUSG00000096672	1.70239087	2.09066676	3.97E-06	5.45E-05
ENSMUSG00000022793	1.70102624	2.1546648	3.42E-06	4.76E-05
ENSMUSG00000001020	1.69861351	2.15997274	2.60E-06	3.72E-05
ENSMUSG00000095210	1.69772051	4.30076872	1.63E-07	3.01E-06
ENSMUSG00000070390	1.69529137	1.40465565	1.05E-05	0.00013258
ENSMUSG00000032418	1.69177259	2.34157181	1.69E-06	2.51E-05
ENSMUSG00000045827	1.69115429	6.78455984	8.22E-08	1.62E-06
ENSMUSG00000096210	1.69098822	4.16562431	1.87E-07	3.43E-06
ENSMUSG00000069833	1.68775006	5.03792105	1.30E-07	2.45E-06
ENSMUSG00000029925	1.68755776	4.42488834	2.13E-07	3.85E-06
ENSMUSG00000057914	1.68726556	0.69436025	0.00016336	0.00152918
ENSMUSG00000038151	1.68168595	6.96884721	9.24E-08	1.80E-06
ENSMUSG00000031832	1.67988619	1.86465494	7.52E-06	9.77E-05
ENSMUSG00000040026	1.67981062	1.61256639	4.87E-06	6.55E-05
ENSMUSG00000076536	1.67885854	2.64378488	1.10E-06	1.71E-05
ENSMUSG00000079362	1.67787411	5.34244845	1.43E-07	2.68E-06
ENSMUSG00000033644	1.67784436	3.04069765	6.43E-07	1.06E-05
ENSMUSG00000035722	1.67703661	4.2861471	2.31E-07	4.14E-06
ENSMUSG00000021375	1.67508095	2.88612225	8.04E-07	1.30E-05
ENSMUSG00000094930	1.67481982	4.07155249	2.92E-07	5.17E-06
ENSMUSG00000039976	1.6740756	1.77079839	7.32E-06	9.54E-05
ENSMUSG00000038936	1.67377656	3.77160989	3.71E-07	6.47E-06
ENSMUSG00000040584	1.671396	2.70469808	9.60E-07	1.51E-05
ENSMUSG00000076552	1.67136814	2.8116385	1.05E-06	1.64E-05
ENSMUSG00000051314	1.67048939	2.41717614	2.87E-06	4.08E-05
ENSMUSG00000020785	1.66992103	1.33952153	2.74E-05	0.00031613
ENSMUSG00000024300	1.66990887	2.9723308	9.62E-07	1.51E-05
ENSMUSG00000095519	1.6694591	2.89981137	9.16E-07	1.46E-05
ENSMUSG00000057606	1.6691674	1.20406273	3.25E-05	0.00036887
ENSMUSG00000050335	1.66431966	3.11342094	9.30E-07	1.48E-05
ENSMUSG00000019122	1.66373463	1.25592159	1.67E-05	0.00020021
ENSMUSG00000022657	1.66314558	4.2597278	3.41E-07	5.99E-06
ENSMUSG00000048163	1.66185768	5.70874101	1.57E-07	2.92E-06
ENSMUSG00000076586	1.66162329	5.12258713	1.98E-07	3.62E-06
ENSMUSG00000020841	1.66160969	4.85122648	2.04E-07	3.72E-06
ENSMUSG00000030589	1.65943569	2.04215991	8.02E-06	0.00010337
ENSMUSG00000041779	1.65868147	5.70291377	1.65E-07	3.03E-06
ENSMUSG00000076655	1.65635606	3.78206128	4.22E-07	7.20E-06
ENSMUSG00000003123	1.65496686	2.04760104	4.93E-06	6.62E-05
ENSMUSG00000022479	1.65496197	0.63982194	0.00017261	0.00160439

ENSMUSG00000026335	1.65111546	1.79183295	1.04E-05	0.00013138
ENSMUSG00000076709	1.64903725	2.16235524	5.05E-06	6.75E-05
ENSMUSG00000039304	1.64508498	3.48041964	6.34E-07	1.05E-05
ENSMUSG00000028456	1.64468617	1.99092293	5.59E-06	7.43E-05
ENSMUSG00000073755	1.64434567	1.40685794	1.96E-05	0.00023384
ENSMUSG00000054752	1.64348512	2.43372005	2.51E-06	3.59E-05
ENSMUSG00000000037	1.64024639	1.58523395	1.52E-05	0.00018514
ENSMUSG00000046688	1.63901194	3.27994181	9.19E-07	1.46E-05
ENSMUSG00000042632	1.6380925	1.98012677	5.87E-06	7.80E-05
ENSMUSG00000094951	1.6367047	5.0522781	2.98E-07	5.25E-06
ENSMUSG00000095889	1.63540251	2.55905925	2.22E-06	3.22E-05
ENSMUSG00000022540	1.63471616	2.94719338	1.43E-06	2.16E-05
ENSMUSG00000045659	1.63395229	0.62246147	0.00023989	0.00213977
ENSMUSG00000041836	1.63349494	4.25904219	4.59E-07	7.75E-06
ENSMUSG00000025938	1.63217447	2.45610387	3.06E-06	4.31E-05
ENSMUSG00000096464	1.62771033	4.80658441	3.74E-07	6.52E-06
ENSMUSG00000101389	1.62676611	1.64260086	1.34E-05	0.00016615
ENSMUSG00000001473	1.62626075	3.88065794	6.46E-07	1.06E-05
ENSMUSG00000058755	1.62588459	2.66207815	2.33E-06	3.37E-05
ENSMUSG00000035239	1.6256287	1.74331793	1.05E-05	0.00013279
ENSMUSG00000078452	1.62545635	1.27644788	4.61E-05	0.00049914
ENSMUSG00000001750	1.62385799	4.89200653	3.99E-07	6.89E-06
ENSMUSG00000003346	1.62350605	1.77265018	1.54E-05	0.00018735
ENSMUSG00000048120	1.62199564	4.94761927	3.90E-07	6.78E-06
ENSMUSG00000040212	1.62128775	4.19151936	6.28E-07	1.04E-05
ENSMUSG00000044469	1.62075233	1.88794525	1.30E-05	0.0001612
ENSMUSG00000006445	1.61885465	1.52589595	3.56E-05	0.00040054
ENSMUSG00000030516	1.61857067	0.74664664	0.00017183	0.00160294
ENSMUSG00000030255	1.61844063	1.1075378	8.39E-05	0.00085047
ENSMUSG00000031373	1.61824508	2.59147551	3.56E-06	4.94E-05
ENSMUSG00000061046	1.61755884	1.251066	5.55E-05	0.00058804
ENSMUSG00000027776	1.61654211	2.84507878	2.30E-06	3.33E-05
ENSMUSG00000042826	1.61579584	2.05177631	8.42E-06	0.00010798
ENSMUSG00000041757	1.61502122	1.1617825	5.06E-05	0.00054261
ENSMUSG00000076533	1.61431498	1.84507279	1.03E-05	0.00013017
ENSMUSG00000068245	1.61382503	3.44415628	1.06E-06	1.65E-05
ENSMUSG00000015027	1.61195479	5.29089392	4.19E-07	7.16E-06
ENSMUSG00000025854	1.61105996	1.60865572	2.06E-05	0.00024398
ENSMUSG00000042616	1.61089074	1.33752346	4.07E-05	0.00045233
ENSMUSG00000032204	1.61035144	1.39364488	3.81E-05	0.00042575
ENSMUSG00000026778	1.60864686	2.6171149	3.60E-06	4.98E-05
ENSMUSG00000029101	1.60688683	2.10365035	7.77E-06	0.00010062
ENSMUSG00000018381	1.60356734	3.40510656	1.43E-06	2.16E-05

ENSMUSG00000079037	1.59880636	2.5083305	5.17E-06	6.91E-05
ENSMUSG00000024030	1.59811404	4.49846648	7.18E-07	1.17E-05
ENSMUSG00000044447	1.59729628	1.85340306	1.28E-05	0.00015916
ENSMUSG00000033147	1.59533381	1.73900782	2.01E-05	0.00023896
ENSMUSG00000020020	1.59431692	0.88705416	0.00021388	0.00193496
ENSMUSG00000030217	1.59365929	0.56964552	0.00022853	0.00205198
ENSMUSG00000029119	1.59348693	3.73883037	1.21E-06	1.86E-05
ENSMUSG00000095633	1.59034848	2.51497316	4.19E-06	5.72E-05
ENSMUSG00000049723	1.58975617	2.1276781	1.07E-05	0.00013521
ENSMUSG00000024087	1.58974711	1.24973857	5.83E-05	0.00061584
ENSMUSG00000033735	1.58572097	1.80664468	2.42E-05	0.00028248
ENSMUSG00000029561	1.58571618	6.61170824	4.64E-07	7.82E-06
ENSMUSG00000026715	1.58425728	1.05188424	0.00013364	0.00128332
ENSMUSG00000040093	1.58344345	3.91403952	1.26E-06	1.92E-05
ENSMUSG00000035004	1.58223375	1.84284952	8.20E-06	0.00010535
ENSMUSG00000032487	1.58190294	4.97513847	7.16E-07	1.17E-05
ENSMUSG00000016382	1.57980919	3.28416549	1.69E-06	2.50E-05
ENSMUSG00000026519	1.57961293	3.86386738	1.53E-06	2.29E-05
ENSMUSG00000031391	1.57793161	2.47366958	7.16E-06	9.36E-05
ENSMUSG00000051517	1.57786998	2.95727997	2.97E-06	4.21E-05
ENSMUSG00000076571	1.57529278	1.30418041	5.73E-05	0.00060567
ENSMUSG00000022257	1.57478863	2.5087041	6.37E-06	8.40E-05
ENSMUSG00000020432	1.57304524	2.8900261	3.67E-06	5.07E-05
ENSMUSG00000027200	1.57244938	5.87924058	6.47E-07	1.06E-05
ENSMUSG00000024672	1.57213257	3.12862579	3.46E-06	4.81E-05
ENSMUSG00000029713	1.57211559	4.88971211	9.04E-07	1.45E-05
ENSMUSG00000034855	1.57179127	3.17782499	2.66E-06	3.80E-05
ENSMUSG00000057897	1.57149022	0.87009963	0.00012729	0.00122998
ENSMUSG00000060591	1.57059808	2.98896653	4.06E-06	5.57E-05
ENSMUSG0000006378	1.56974053	3.08695072	3.31E-06	4.62E-05
ENSMUSG00000049804	1.56964807	4.54160919	1.02E-06	1.60E-05
ENSMUSG00000035513	1.56902572	0.97729191	9.70E-05	0.00096761
ENSMUSG00000020395	1.56867153	2.82394917	4.49E-06	6.11E-05
ENSMUSG00000022564	1.56657981	3.6638996	1.94E-06	2.84E-05
ENSMUSG00000020592	1.56493988	2.93079807	3.94E-06	5.42E-05
ENSMUSG00000033307	1.56386165	3.83512901	1.81E-06	2.67E-05
ENSMUSG00000094117	1.56383679	4.11715052	1.54E-06	2.31E-05
ENSMUSG00000060147	1.5636585	3.42520935	2.35E-06	3.39E-05
ENSMUSG00000001418	1.56062139	5.44233066	8.42E-07	1.36E-05
ENSMUSG00000024095	1.55893683	4.05271993	1.48E-06	2.22E-05
ENSMUSG00000026921	1.55882528	1.1576214	0.0001384	0.00132432
ENSMUSG00000027227	1.55834363	4.48049509	1.37E-06	2.07E-05
ENSMUSG00000034457	1.55801752	1.02048537	9.38E-05	0.00094019

ENSMUSG0000000386	1.55792966	5.91543958	7.83E-07	1.27E-05
ENSMUSG00000004110	1.55760493	5.58509813	8.05E-07	1.30E-05
ENSMUSG000000095682	1.55572944	2.56202621	6.84E-06	8.98E-05
ENSMUSG000000046410	1.5532102	4.19387431	1.61E-06	2.40E-05
ENSMUSG000000094006	1.55189605	4.54893787	1.30E-06	1.98E-05
ENSMUSG000000093896	1.55079098	3.70001006	2.17E-06	3.16E-05
ENSMUSG000000045136	1.54795271	2.72780947	7.56E-06	9.81E-05
ENSMUSG000000095130	1.54563242	5.21737167	1.13E-06	1.76E-05
ENSMUSG000000028434	1.54524479	0.49123984	0.00062712	0.0050356
ENSMUSG000000048521	1.54517157	1.05056514	0.00013926	0.00133022
ENSMUSG000000003541	1.54377925	1.10231664	0.00010806	0.00105846
ENSMUSG000000072244	1.54316032	2.62096705	5.92E-06	7.85E-05
ENSMUSG000000000791	1.54169327	3.67217736	2.81E-06	4.00E-05
ENSMUSG000000022018	1.54071815	1.17447386	8.15E-05	0.00082729
ENSMUSG000000024253	1.54001175	0.59608747	0.00079166	0.00615516
ENSMUSG000000068735	1.53769645	4.58971371	1.71E-06	2.53E-05
ENSMUSG000000013698	1.53677856	5.48040305	1.21E-06	1.86E-05
ENSMUSG000000053297	1.53579935	0.71389059	0.00027329	0.00241969
ENSMUSG000000028789	1.53501285	0.80682127	0.00030548	0.00268044
ENSMUSG000000002379	1.5335447	2.2229801	2.06E-05	0.00024398
ENSMUSG000000022747	1.5324564	6.32629469	1.11E-06	1.73E-05
ENSMUSG000000027298	1.53223034	1.67635798	4.18E-05	0.00046032
ENSMUSG000000094689	1.53131783	4.01238716	2.40E-06	3.45E-05
ENSMUSG000000044229	1.53108956	1.41440231	4.96E-05	0.00053378
ENSMUSG000000063568	1.53060621	1.42584406	7.44E-05	0.00076258
ENSMUSG000000034634	1.5278669	6.05665606	1.23E-06	1.89E-05
ENSMUSG000000025579	1.52759591	3.90214546	2.85E-06	4.06E-05
ENSMUSG000000020422	1.52707866	4.3066372	2.14E-06	3.12E-05
ENSMUSG000000042129	1.5264915	6.49366887	1.19E-06	1.84E-05
ENSMUSG000000032666	1.52571122	2.60836986	1.16E-05	0.00014497
ENSMUSG000000028565	1.52557181	0.6342716	0.00069127	0.00547333
ENSMUSG000000076549	1.52478952	4.16089819	2.39E-06	3.44E-05
ENSMUSG000000081534	1.52440166	5.94256399	1.33E-06	2.02E-05
ENSMUSG000000030844	1.52402513	4.62327758	1.97E-06	2.89E-05
ENSMUSG000000008855	1.52359052	3.15621166	6.04E-06	7.98E-05
ENSMUSG000000076547	1.52334443	2.80220245	6.91E-06	9.07E-05
ENSMUSG000000062593	1.5229003	5.44709908	1.48E-06	2.22E-05
ENSMUSG000000056476	1.52192731	2.41093016	1.42E-05	0.00017522
ENSMUSG000000032245	1.52093971	4.03238851	2.90E-06	4.11E-05
ENSMUSG000000027737	1.51790087	4.45201024	2.13E-06	3.12E-05
ENSMUSG000000041189	1.51662149	2.31915114	1.72E-05	0.00020688
ENSMUSG000000094134	1.51639001	1.20223472	0.0001005	0.00099797
ENSMUSG000000019872	1.5155935	2.74345866	9.85E-06	0.00012508

ENSMUSG00000060314	1.51304405	1.57051038	4.09E-05	0.00045323
ENSMUSG00000015568	1.51232359	2.11253626	1.77E-05	0.00021188
ENSMUSG00000005580	1.51225706	1.01370802	0.00018975	0.00175047
ENSMUSG00000073405	1.51032512	2.02111118	3.04E-05	0.00034782
ENSMUSG00000076939	1.50950571	4.76339518	2.46E-06	3.53E-05
ENSMUSG00000039747	1.50781	3.79304093	4.10E-06	5.61E-05
ENSMUSG00000041351	1.50732377	0.76151296	0.00033071	0.00287379
ENSMUSG00000035671	1.50398603	2.20982382	1.99E-05	0.0002362
ENSMUSG00000068335	1.50333975	3.12212266	7.12E-06	9.33E-05
ENSMUSG00000003546	1.50327859	0.64216094	0.00057752	0.00467568
ENSMUSG00000030530	1.50204278	3.03378176	8.34E-06	0.00010704
ENSMUSG00000030122	1.50191088	3.46798793	6.03E-06	7.97E-05
ENSMUSG00000015437	1.50184868	2.0875265	2.35E-05	0.0002747
ENSMUSG00000071713	1.4995963	6.61487203	1.75E-06	2.59E-05
ENSMUSG00000040594	1.49360507	1.36480411	9.46E-05	0.00094676
ENSMUSG00000037235	1.49355683	4.4454018	3.46E-06	4.81E-05
ENSMUSG00000033577	1.49352129	2.26875209	2.14E-05	0.00025249
ENSMUSG00000026944	1.49215882	3.78088993	4.90E-06	6.59E-05
ENSMUSG00000095761	1.49113991	2.14919149	2.52E-05	0.00029296
ENSMUSG00000069516	1.48944099	3.9060982	3.95E-06	5.43E-05
ENSMUSG00000033255	1.48936085	1.75489672	5.73E-05	0.00060567
ENSMUSG00000020099	1.48924066	0.88594213	0.00020554	0.00187012
ENSMUSG00000052151	1.48814319	2.09618756	4.12E-05	0.00045515
ENSMUSG00000030605	1.48522458	1.84198395	7.55E-05	0.00077137
ENSMUSG00000030824	1.48308802	6.2963222	2.36E-06	3.41E-05
ENSMUSG00000047409	1.48262843	2.18738571	2.60E-05	0.00030224
ENSMUSG00000032420	1.47885812	2.44803467	1.98E-05	0.00023541
ENSMUSG00000022995	1.47669933	0.96815265	0.00032073	0.00279611
ENSMUSG00000020027	1.47530479	5.60603343	2.99E-06	4.22E-05
ENSMUSG00000029009	1.47472709	4.10021475	5.09E-06	6.80E-05
ENSMUSG00000096715	1.47374685	4.42104341	4.73E-06	6.40E-05
ENSMUSG00000026360	1.47285496	3.18651319	1.13E-05	0.00014095
ENSMUSG00000036764	1.46923753	1.955886	6.26E-05	0.00065587
ENSMUSG00000032344	1.46883657	2.41255865	2.87E-05	0.00033032
ENSMUSG00000028042	1.46871095	2.93651644	1.34E-05	0.00016615
ENSMUSG00000029370	1.4673593	1.79040813	6.33E-05	0.00066186
ENSMUSG00000096833	1.46673938	4.58129096	4.83E-06	6.51E-05
ENSMUSG00000048911	1.4650829	5.80815746	3.26E-06	4.57E-05
ENSMUSG00000074604	1.46503914	3.38813501	8.89E-06	0.00011343
ENSMUSG00000032583	1.46432877	1.36600423	0.00011329	0.00110865
ENSMUSG00000055541	1.46382893	1.98919468	4.11E-05	0.00045428
ENSMUSG00000059708	1.46257604	4.75244956	4.60E-06	6.25E-05
ENSMUSG00000024177	1.46256709	1.38237566	0.0001912	0.00176079

ENSMUSG00000095127	1.46256546	5.81856628	3.40E-06	4.74E-05
ENSMUSG00000076534	1.46218665	4.52765905	5.33E-06	7.10E-05
ENSMUSG00000020282	1.46214355	0.96894198	0.00035606	0.0030596
ENSMUSG00000026536	1.46160715	2.90918411	1.52E-05	0.00018514
ENSMUSG00000044551	1.46073146	1.0167405	0.00038451	0.00327271
ENSMUSG00000026566	1.46070129	3.33631072	1.10E-05	0.00013839
ENSMUSG00000026853	1.45951536	3.86403467	7.90E-06	0.00010206
ENSMUSG00000021725	1.45926774	4.92055768	4.74E-06	6.41E-05
ENSMUSG00000024084	1.45858916	0.9192445	0.00070444	0.00555314
ENSMUSG00000020102	1.4569789	2.32748348	3.38E-05	0.00038191
ENSMUSG00000062753	1.45579106	1.8609513	7.77E-05	0.00079346
ENSMUSG00000002279	1.45534639	2.39284211	2.97E-05	0.00034075
ENSMUSG00000094940	1.455322	1.87256609	5.20E-05	0.00055569
ENSMUSG00000059714	1.45402411	2.3593006	3.36E-05	0.00038048
ENSMUSG00000043587	1.45232043	2.04114326	5.95E-05	0.00062595
ENSMUSG00000048232	1.45080826	1.34764709	0.00018068	0.00167393
ENSMUSG00000044703	1.45065653	3.48833926	1.09E-05	0.00013747
ENSMUSG00000045374	1.44904314	3.9175568	7.81E-06	0.000101
ENSMUSG00000038648	1.44902106	5.04496729	4.95E-06	6.64E-05
ENSMUSG00000096844	1.44467647	3.19863832	1.51E-05	0.00018464
ENSMUSG00000025227	1.44418263	0.87266761	0.00068243	0.00542322
ENSMUSG00000017314	1.44402303	1.15775945	0.00038125	0.0032501
ENSMUSG00000004113	1.44367273	1.70807017	0.00011446	0.00111807
ENSMUSG00000044468	1.44110399	7.74100873	3.94E-06	5.42E-05
ENSMUSG00000061086	1.44030186	2.15603989	4.76E-05	0.00051435
ENSMUSG00000034981	1.43951814	2.85330401	2.22E-05	0.00026096
ENSMUSG00000001281	1.43949095	3.33487564	1.48E-05	0.00018151
ENSMUSG00000020230	1.43932431	1.6340024	0.0001467	0.00139135
ENSMUSG00000019139	1.43564056	4.40018064	7.93E-06	0.00010223
ENSMUSG00000099398	1.43397289	1.42065397	0.00022885	0.00205319
ENSMUSG00000096498	1.43337947	3.16511799	1.79E-05	0.00021434
ENSMUSG00000026389	1.43308004	1.81665334	0.00010445	0.00103056
ENSMUSG00000020163	1.43077168	2.03789995	7.93E-05	0.00080794
ENSMUSG00000024665	1.42896968	4.41789127	8.78E-06	0.00011234
ENSMUSG00000085148	1.42887852	2.83769874	2.43E-05	0.00028309
ENSMUSG00000036620	1.42777528	2.46634834	4.19E-05	0.00046046
ENSMUSG00000057137	1.42622771	3.08523433	2.14E-05	0.00025249
ENSMUSG00000027669	1.42579922	4.95616652	7.40E-06	9.64E-05
ENSMUSG00000038058	1.42540544	1.35772074	0.00018595	0.00171976
ENSMUSG00000030681	1.42488552	3.60284551	1.37E-05	0.00016928
ENSMUSG00000026922	1.42464291	1.95673215	0.00010356	0.00102269
ENSMUSG00000021900	1.42175303	3.35679082	1.66E-05	0.00020021
ENSMUSG00000053580	1.42161971	4.48319705	8.65E-06	0.00011079

ENSMUSG00000071649	1.42005104	2.36754977	5.48E-05	0.00058321
ENSMUSG00000069763	1.41901757	0.81569837	0.00048551	0.0040275
ENSMUSG00000048852	1.41836153	2.29158227	5.84E-05	0.00061637
ENSMUSG00000023272	1.41658985	6.91167206	5.95E-06	7.88E-05
ENSMUSG00000034216	1.41550798	2.57908212	4.33E-05	0.00047285
ENSMUSG00000009563	1.41444496	3.52438589	1.66E-05	0.00020021
ENSMUSG00000054277	1.41376934	3.93419612	1.27E-05	0.00015845
ENSMUSG00000026490	1.41356361	3.32217396	1.94E-05	0.00023159
ENSMUSG00000024220	1.40935855	0.74856147	0.00084796	0.00650848
ENSMUSG00000067149	1.40884998	6.94948267	6.54E-06	8.61E-05
ENSMUSG00000037613	1.40818289	2.17358849	8.57E-05	0.00086682
ENSMUSG00000037049	1.40816879	3.84241149	1.47E-05	0.00018006
ENSMUSG00000032845	1.40785922	2.83073717	3.22E-05	0.00036602
ENSMUSG00000003355	1.40721856	1.92663445	0.00011482	0.00112055
ENSMUSG00000035637	1.4023331	2.73609811	4.15E-05	0.00045806
ENSMUSG00000095416	1.40130265	2.83157578	3.22E-05	0.00036602
ENSMUSG00000041355	1.40057471	7.01961206	7.48E-06	9.74E-05
ENSMUSG00000033594	1.39992844	0.57544377	0.00126942	0.0093189
ENSMUSG00000032109	1.39964868	1.55196359	0.00023765	0.00212503
ENSMUSG00000022108	1.39958014	8.01546816	7.22E-06	9.43E-05
ENSMUSG00000029166	1.39657637	0.82505166	0.00088387	0.00676006
ENSMUSG00000029864	1.39423219	2.12717252	8.95E-05	0.00090241
ENSMUSG00000002944	1.39371267	8.87334082	7.68E-06	9.95E-05
ENSMUSG00000031712	1.39332188	1.26300194	0.00033805	0.00292581
ENSMUSG00000023805	1.3932926	3.14002107	2.84E-05	0.0003275
ENSMUSG00000039450	1.38479435	1.69100927	0.00023349	0.00209129
ENSMUSG00000048330	1.38436608	1.18683544	0.00039739	0.00336642
ENSMUSG00000021696	1.38412616	0.5799591	0.00174276	0.01231577
ENSMUSG00000057863	1.38276455	1.46541731	0.00035544	0.00305667
ENSMUSG00000028527	1.38051715	1.41967699	0.00039222	0.00333307
ENSMUSG00000074570	1.38008886	0.97016266	0.00082292	0.00635247
ENSMUSG00000076665	1.38000672	3.22536484	3.10E-05	0.00035292
ENSMUSG00000026821	1.37945319	4.6675137	1.55E-05	0.00018821
ENSMUSG00000030720	1.37940759	3.34934535	3.01E-05	0.00034449
ENSMUSG00000094652	1.37898756	4.6242204	1.52E-05	0.00018514
ENSMUSG00000032373	1.37830123	3.38650864	3.26E-05	0.0003693
ENSMUSG00000036565	1.37818557	3.45350584	3.16E-05	0.00035982
ENSMUSG00000036863	1.37795803	2.17226369	9.75E-05	0.00097135
ENSMUSG00000060675	1.37775098	4.22598313	1.85E-05	0.00022122
ENSMUSG00000001665	1.37755209	3.06629189	3.67E-05	0.00041095
ENSMUSG00000030588	1.37661748	2.70642128	5.92E-05	0.00062299
ENSMUSG00000056629	1.37559883	3.44346856	3.17E-05	0.00036047
ENSMUSG00000032177	1.37536663	2.55407738	6.54E-05	0.00067788

ENSMUSG00000014778	1.37106476	2.54477709	6.76E-05	0.0006978
ENSMUSG00000030107	1.37003888	5.47120398	1.35E-05	0.00016729
ENSMUSG00000024190	1.3694186	2.46775841	6.09E-05	0.00063909
ENSMUSG00000023067	1.36931587	5.98376799	1.28E-05	0.00015916
ENSMUSG00000029338	1.3691134	2.98220989	4.23E-05	0.00046393
ENSMUSG00000034438	1.36636808	2.7775411	5.18E-05	0.00055412
ENSMUSG00000035778	1.36578724	7.30705707	1.21E-05	0.0001502
ENSMUSG00000049670	1.36511984	0.67255956	0.00202613	0.01389054
ENSMUSG00000020868	1.36316367	2.03878946	0.0002187	0.00197176
ENSMUSG00000051817	1.36218377	2.13550179	0.00016119	0.00151027
ENSMUSG00000039934	1.36131879	4.38334915	2.19E-05	0.00025728
ENSMUSG00000026126	1.35876482	2.86328933	6.21E-05	0.00065173
ENSMUSG00000043832	1.35852415	1.09382421	0.0003646	0.00312297
ENSMUSG00000027533	1.35787892	6.00094223	1.51E-05	0.00018514
ENSMUSG00000030826	1.35720411	4.58049092	2.16E-05	0.00025461
ENSMUSG00000061143	1.35627712	2.25913678	0.00012129	0.00117626
ENSMUSG00000076538	1.35613724	5.6752735	1.62E-05	0.00019579
ENSMUSG00000063450	1.35559512	3.24235906	4.20E-05	0.00046169
ENSMUSG00000028412	1.3542195	5.57017423	1.66E-05	0.00020021
ENSMUSG00000058135	1.3540345	4.68698548	2.14E-05	0.00025293
ENSMUSG00000089715	1.35354892	4.52805084	2.23E-05	0.00026107
ENSMUSG00000085396	1.35148444	0.72835291	0.00201948	0.01386255
ENSMUSG00000032182	1.3471351	2.67501003	8.46E-05	0.00085702
ENSMUSG00000076564	1.34548693	5.72635937	1.83E-05	0.00021913
ENSMUSG00000032549	1.34518821	0.94066118	0.00081315	0.00629502
ENSMUSG00000027171	1.34370254	4.15097805	2.97E-05	0.00034069
ENSMUSG00000094062	1.34309644	3.43151585	4.29E-05	0.00046962
ENSMUSG00000030284	1.34143629	2.47758181	0.00010095	0.0010001
ENSMUSG00000029545	1.34018732	2.32571046	0.00014247	0.00135848
ENSMUSG00000036533	1.33943715	2.9648307	6.86E-05	0.0007068
ENSMUSG00000039474	1.33682632	2.65899779	8.60E-05	0.00086907
ENSMUSG00000023036	1.33587182	3.69338604	4.32E-05	0.00047222
ENSMUSG00000094124	1.33506917	3.02947827	6.57E-05	0.00068095
ENSMUSG00000094546	1.33370109	7.07272146	1.90E-05	0.00022688
ENSMUSG00000041959	1.33004919	5.30841347	2.45E-05	0.00028519
ENSMUSG00000056091	1.32944012	3.99631745	3.87E-05	0.00043157
ENSMUSG00000024187	1.32925312	2.35319018	0.0001604	0.0015041
ENSMUSG00000039953	1.32900319	3.13653659	6.52E-05	0.00067721
ENSMUSG00000057948	1.3281541	3.93277802	4.10E-05	0.00045367
ENSMUSG00000075122	1.32769595	4.78405586	2.93E-05	0.00033697
ENSMUSG00000036599	1.32752034	2.44254061	0.00011921	0.00115813
ENSMUSG00000034854	1.32598694	2.85444106	9.32E-05	0.00093517
ENSMUSG00000029616	1.32518878	6.92866606	2.18E-05	0.00025673

ENSMUSG00000060216	1.32435747	3.93004853	4.49E-05	0.00048749
ENSMUSG00000018648	1.3240028	1.59385983	0.00033713	0.00292017
ENSMUSG00000060376	1.32231267	1.11496129	0.00123574	0.00908398
ENSMUSG00000013089	1.32160019	4.32752727	3.76E-05	0.00042058
ENSMUSG00000039286	1.32060856	3.90800296	4.05E-05	0.00045059
ENSMUSG00000028076	1.32010352	3.08566915	7.49E-05	0.00076636
ENSMUSG00000048376	1.31992046	1.3874863	0.00052016	0.00426571
ENSMUSG00000041025	1.31935499	0.87088549	0.00118096	0.00873491
ENSMUSG00000003873	1.31909272	4.75074723	3.43E-05	0.00038642
ENSMUSG00000030083	1.31878459	0.76615168	0.00231091	0.01552703
ENSMUSG00000062661	1.31803414	2.85164323	9.32E-05	0.00093517
ENSMUSG00000057058	1.3166002	1.20482026	0.00057588	0.00466589
ENSMUSG00000019088	1.31574652	2.57300217	0.00011398	0.00111437
ENSMUSG00000041857	1.31526356	1.73223184	0.00038409	0.00327174
ENSMUSG00000059070	1.31523168	6.4951065	2.61E-05	0.00030244
ENSMUSG00000096020	1.3136904	3.72595835	5.54E-05	0.00058795
ENSMUSG00000093838	1.31257833	3.9005948	4.94E-05	0.00053237
ENSMUSG00000030257	1.31221071	1.27937437	0.00053879	0.00439511
ENSMUSG00000026153	1.31133424	2.12058766	0.00021256	0.00192467
ENSMUSG00000033955	1.31118024	3.42913531	7.20E-05	0.00073949
ENSMUSG00000024737	1.3110357	6.71191788	2.69E-05	0.0003117
ENSMUSG00000000631	1.31027872	4.29238459	4.40E-05	0.00047903
ENSMUSG00000043017	1.30987327	4.47380233	4.13E-05	0.00045547
ENSMUSG00000015363	1.30897064	4.10442102	4.95E-05	0.00053237
ENSMUSG00000026712	1.30884134	1.32734957	0.00093948	0.0071448
ENSMUSG00000058756	1.30761292	0.96888989	0.00175284	0.0123789
ENSMUSG00000033488	1.30646028	2.44006034	0.00017202	0.00160333
ENSMUSG00000055994	1.30640203	3.62203859	5.86E-05	0.00061814
ENSMUSG00000020689	1.30627145	5.08095227	3.64E-05	0.00040828
ENSMUSG00000054364	1.30587704	3.55770218	6.60E-05	0.00068341
ENSMUSG00000029185	1.30535278	2.16273782	0.00023957	0.0021387
ENSMUSG00000051998	1.30366071	6.09944844	3.09E-05	0.00035225
ENSMUSG00000024353	1.30341808	7.84265919	2.82E-05	0.00032516
ENSMUSG00000044734	1.30293561	4.8291269	4.10E-05	0.00045367
ENSMUSG00000063268	1.3020551	4.39938403	4.74E-05	0.00051205
ENSMUSG00000076587	1.30124906	3.54620963	7.27E-05	0.00074592
ENSMUSG00000022817	1.30068884	3.13486727	9.24E-05	0.00092988
ENSMUSG00000068264	1.30068567	1.35204958	0.00094485	0.00717195
ENSMUSG00000035478	1.30040045	3.76433749	6.78E-05	0.00069952
ENSMUSG00000024958	1.2999534	0.83558961	0.00200653	0.0137912
ENSMUSG00000001666	1.29952475	3.43364722	8.00E-05	0.00081377
ENSMUSG00000085415	1.29950062	2.23100662	0.00017222	0.00160381
ENSMUSG00000023277	1.29873556	3.68064546	6.66E-05	0.00068822

ENSMUSG00000008540	1.29766089	1.37168808	0.00070121	0.00553883
ENSMUSG00000027947	1.29738723	3.78134579	6.45E-05	0.00067291
ENSMUSG00000029001	1.29691968	1.40069603	0.00064145	0.00513924
ENSMUSG00000031532	1.29629229	4.33428283	5.10E-05	0.00054622
ENSMUSG00000027447	1.29622757	4.4883067	4.87E-05	0.00052525
ENSMUSG00000068115	1.29543271	0.77977039	0.00230044	0.0154663
ENSMUSG00000052160	1.29482697	6.01215985	3.59E-05	0.00040345
ENSMUSG00000038895	1.29429188	0.97790563	0.00120906	0.00893049
ENSMUSG00000096515	1.29417135	5.13448173	4.25E-05	0.00046525
ENSMUSG00000032012	1.2928757	2.66770677	0.00015442	0.00145307
ENSMUSG00000025815	1.29214585	2.10512644	0.00025489	0.00226609
ENSMUSG00000035246	1.28977018	2.00808748	0.00030854	0.00270508
ENSMUSG00000028671	1.28916703	2.35225485	0.00020123	0.00184057
ENSMUSG0000002227	1.28909989	4.57106467	5.17E-05	0.00055332
ENSMUSG00000095677	1.28857982	1.4432797	0.00087764	0.00671712
ENSMUSG0000003644	1.28838825	5.91759626	3.93E-05	0.00043848
ENSMUSG00000076633	1.28811136	2.19670895	0.00024902	0.00221572
ENSMUSG0000001249	1.28588307	0.87826289	0.00199648	0.01373086
ENSMUSG00000026223	1.28525076	4.13462145	6.52E-05	0.00067721
ENSMUSG00000027712	1.28509018	5.30249275	4.50E-05	0.00048828
ENSMUSG00000042106	1.28446406	2.54798012	0.00019689	0.00181015
ENSMUSG00000019461	1.28372496	2.58022883	0.00015754	0.00147993
ENSMUSG00000076617	1.2814629	13.22186	3.63E-05	0.00040747
ENSMUSG00000095571	1.28087052	5.6561642	4.45E-05	0.00048333
ENSMUSG00000024661	1.28075316	10.1786483	3.69E-05	0.00041364
ENSMUSG00000000958	1.27987316	3.08293641	0.00012886	0.00124296
ENSMUSG00000054452	1.27900834	5.08470352	5.27E-05	0.00056242
ENSMUSG00000078853	1.27567261	6.57795464	4.38E-05	0.00047718
ENSMUSG00000019832	1.27538809	2.80021344	0.00017254	0.00160439
ENSMUSG00000026956	1.27536727	3.67011536	9.27E-05	0.00093133
ENSMUSG00000033065	1.27444735	2.78056273	0.00019006	0.00175176
ENSMUSG00000034765	1.27316397	3.46656805	9.71E-05	0.00096761
ENSMUSG00000032741	1.27300934	2.80211272	0.00017077	0.00159448
ENSMUSG00000074219	1.27266379	0.6382983	0.00410064	0.02524045
ENSMUSG00000020638	1.2701148	5.33718439	5.39E-05	0.00057458
ENSMUSG00000051000	1.26881441	3.54303827	0.00011528	0.00112403
ENSMUSG00000028807	1.26879298	1.65408687	0.00061021	0.00491449
ENSMUSG0000001995	1.26870563	2.49265001	0.00020567	0.00187012
ENSMUSG00000024769	1.26816545	1.51634843	0.00089744	0.00685412
ENSMUSG00000005823	1.2679204	4.54088997	6.83E-05	0.00070395
ENSMUSG00000037295	1.26780936	2.87703392	0.00017387	0.00161358
ENSMUSG00000076609	1.26752439	11.2072169	4.39E-05	0.00047871
ENSMUSG00000071648	1.26650879	0.89088493	0.00255944	0.01697477

ENSMUSG00000044350	1.26617831	4.75878098	6.51E-05	0.00067689
ENSMUSG00000067370	1.26523787	1.26393752	0.00113669	0.0084364
ENSMUSG00000051435	1.2650212	1.99966669	0.00043932	0.00366974
ENSMUSG00000052062	1.26471078	3.00628173	0.00018433	0.00170625
ENSMUSG00000036181	1.26423324	1.7776579	0.00036377	0.00311836
ENSMUSG00000018585	1.26367105	3.03348979	0.00014937	0.00141055
ENSMUSG00000009035	1.26245803	5.00775209	6.50E-05	0.00067689
ENSMUSG00000039899	1.26146218	6.69301278	5.21E-05	0.00055657
ENSMUSG00000035441	1.25743165	1.82516091	0.00052468	0.00429622
ENSMUSG00000047721	1.25688104	1.65683236	0.00078452	0.00610847
ENSMUSG00000040276	1.25661981	2.23626493	0.00040033	0.00338813
ENSMUSG00000038618	1.25625011	1.06552001	0.00195646	0.01351596
ENSMUSG00000019564	1.2559692	6.60854046	5.63E-05	0.00059691
ENSMUSG00000015944	1.25562916	3.00440203	0.00014371	0.00136702
ENSMUSG00000045382	1.25400972	5.8281629	6.31E-05	0.00066036
ENSMUSG00000027422	1.25291921	8.05304949	5.53E-05	0.00058716
ENSMUSG00000022656	1.25152505	0.91325924	0.00252514	0.01678858
ENSMUSG00000095630	1.25130725	5.14779984	7.49E-05	0.00076636
ENSMUSG00000034853	1.25081187	3.00559169	0.00017614	0.00163329
ENSMUSG00000047146	1.25060592	2.56015008	0.00023573	0.00210967
ENSMUSG00000096461	1.24889945	2.21284327	0.00039689	0.0033648
ENSMUSG00000009739	1.24807624	3.23734062	0.00014273	0.00135971
ENSMUSG00000029311	1.24802537	4.31756419	9.87E-05	0.00098217
ENSMUSG00000029470	1.24580851	4.1579845	0.00010759	0.0010557
ENSMUSG00000004709	1.24507895	0.86772492	0.00226844	0.01527021
ENSMUSG00000038828	1.24366322	5.24881688	7.89E-05	0.00080521
ENSMUSG00000021242	1.24316529	7.23495182	6.49E-05	0.00067618
ENSMUSG00000053898	1.24256977	4.35639125	0.00010223	0.00101046
ENSMUSG00000042726	1.24185716	6.37144732	6.95E-05	0.00071563
ENSMUSG00000034974	1.24154933	1.86383934	0.00067186	0.00534316
ENSMUSG00000064105	1.24133732	1.74566271	0.00069277	0.0054812
ENSMUSG00000034265	1.24064976	2.1061566	0.0004709	0.0039153
ENSMUSG00000038208	1.23992647	1.10450531	0.00217318	0.01472556
ENSMUSG00000035561	1.23964995	2.58874994	0.00026974	0.00239018
ENSMUSG00000096670	1.23880635	2.35791726	0.00032902	0.00286376
ENSMUSG00000019975	1.23822922	2.68500531	0.00028548	0.00251727
ENSMUSG00000001025	1.23633916	4.01030895	0.00012812	0.00123689
ENSMUSG00000020238	1.23576073	3.78985394	0.00013901	0.00132894
ENSMUSG00000070283	1.23370134	1.5499557	0.00099021	0.00748067
ENSMUSG00000002007	1.23368556	4.14170735	0.00011902	0.00115731
ENSMUSG00000040767	1.23090354	3.95039633	0.00014375	0.00136702
ENSMUSG00000078771	1.22767815	5.33641244	9.48E-05	0.0009477
ENSMUSG00000021928	1.22748643	3.01804585	0.00024526	0.00218401

ENSMUSG00000055401	1.22724207	2.65782076	0.00031899	0.00278544
ENSMUSG00000037649	1.22652699	6.57325355	8.39E-05	0.00085047
ENSMUSG00000029802	1.22464199	4.17129784	0.00013494	0.00129468
ENSMUSG00000074227	1.22442419	2.19135628	0.00056394	0.00458292
ENSMUSG00000006362	1.22204067	3.17013381	0.00022649	0.00203542
ENSMUSG00000004267	1.22183679	2.45000883	0.00042164	0.00353576
ENSMUSG00000001156	1.22032605	3.88767256	0.00015225	0.0014352
ENSMUSG00000011008	1.2196013	4.38555153	0.00013334	0.00128162
ENSMUSG00000034795	1.21891939	1.52673964	0.00129109	0.00944577
ENSMUSG00000022436	1.21800692	4.11903688	0.00015241	0.00143542
ENSMUSG00000076570	1.217518	1.80729118	0.00112283	0.00835074
ENSMUSG00000039246	1.21543294	0.73516338	0.00303587	0.01959614
ENSMUSG00000096638	1.21510145	2.58842214	0.00034491	0.00297319
ENSMUSG00000017830	1.215007	6.20544324	9.96E-05	0.00098962
ENSMUSG00000028573	1.21424308	2.22663887	0.00051062	0.00420021
ENSMUSG00000024327	1.2140019	0.98929325	0.00315229	0.0202181
ENSMUSG00000021939	1.21326307	7.07932479	9.63E-05	0.00096204
ENSMUSG00000034101	1.2127147	2.51588233	0.00042057	0.00352948
ENSMUSG00000029674	1.21207942	3.47760738	0.00021823	0.001971
ENSMUSG00000063445	1.21196569	4.3304952	0.00014796	0.00140087
ENSMUSG00000031897	1.21185013	3.52860968	0.00021886	0.00197176
ENSMUSG00000045679	1.21103392	6.06379202	0.00010627	0.00104372
ENSMUSG00000040813	1.2106026	2.57759249	0.00041682	0.00350348
ENSMUSG00000076596	1.21050779	3.81671824	0.00019307	0.00177646
ENSMUSG00000024807	1.20933972	7.1454154	0.00010099	0.0010001
ENSMUSG00000055681	1.2081386	4.60962189	0.00014768	0.00139947
ENSMUSG00000030432	1.20776053	6.58110863	0.00010769	0.0010557
ENSMUSG00000054932	1.20732002	1.59833786	0.00152844	0.01095925
ENSMUSG00000032754	1.2069983	1.42284021	0.00128072	0.00939542
ENSMUSG00000026193	1.20655228	2.40123313	0.00042884	0.00358776
ENSMUSG00000025912	1.205914	5.63350689	0.00011849	0.00115324
ENSMUSG00000022885	1.20498059	8.90148491	0.00010203	0.00100941
ENSMUSG00000021190	1.20497142	7.69877322	0.00010496	0.00103464
ENSMUSG00000037938	1.2041237	1.19736673	0.00155536	0.01111531
ENSMUSG00000002332	1.20410853	3.7649151	0.00020205	0.00184493
ENSMUSG00000047878	1.20386057	1.85742944	0.0008416	0.00647345
ENSMUSG00000100287	1.20180151	0.95825003	0.00197999	0.01362617
ENSMUSG00000037366	1.20065834	2.79956457	0.00037861	0.00323416
ENSMUSG00000024910	1.20062114	0.77081119	0.00339871	0.02149659
ENSMUSG00000040997	1.19976345	3.7522929	0.00020357	0.00185574
ENSMUSG00000019188	1.19920337	7.00036037	0.00011613	0.00113125
ENSMUSG00000037731	1.19839636	5.98851456	0.00012562	0.00121495
ENSMUSG00000032010	1.19705115	1.86678586	0.0010518	0.00787681

ENSMUSG00000039031	1.19598369	4.0254705	0.00020141	0.00184067
ENSMUSG00000078429	1.19581658	5.52777043	0.00013744	0.00131748
ENSMUSG00000026880	1.19521672	3.20745548	0.00032062	0.00279611
ENSMUSG00000041827	1.19510062	6.67332153	0.00012411	0.00120252
ENSMUSG00000034708	1.19484883	7.53496969	0.00012007	0.00116542
ENSMUSG00000074916	1.19297692	1.94361678	0.00080411	0.00623404
ENSMUSG00000007379	1.19252746	1.93170809	0.00074667	0.00585181
ENSMUSG00000032374	1.19227665	3.10220793	0.00033378	0.00289578
ENSMUSG00000040466	1.19101544	1.35011807	0.00248959	0.01656243
ENSMUSG00000039652	1.19042103	2.27413382	0.00062495	0.00502197
ENSMUSG00000028757	1.18760195	7.58852141	0.00013121	0.00126339
ENSMUSG00000094088	1.18758002	4.78319573	0.00017273	0.00160439
ENSMUSG00000038604	1.18656729	3.0777785	0.00038921	0.00331015
ENSMUSG00000029455	1.18525738	4.26866264	0.00020899	0.0018971
ENSMUSG00000033436	1.18428178	5.47151392	0.00015855	0.00148807
ENSMUSG00000030086	1.18412161	1.36692297	0.00205915	0.01404545
ENSMUSG00000032198	1.18404843	2.08498616	0.00069043	0.00547071
ENSMUSG00000036073	1.18370025	1.6529578	0.00129686	0.00948155
ENSMUSG00000019433	1.18221514	2.39769579	0.00059196	0.0047782
ENSMUSG00000059013	1.18067742	2.88508963	0.00043746	0.00365704
ENSMUSG00000032724	1.1804261	2.61284412	0.00051942	0.00426288
ENSMUSG00000022594	1.17932805	5.00180966	0.00018823	0.00173943
ENSMUSG00000025408	1.17852093	3.00679661	0.00042662	0.00357195
ENSMUSG00000051483	1.17806388	2.67112637	0.00058866	0.00475873
ENSMUSG00000027514	1.17753761	7.16824729	0.00015106	0.0014252
ENSMUSG00000031227	1.17700292	2.38149065	0.00073284	0.00575596
ENSMUSG00000044952	1.17654345	1.2401607	0.00312038	0.02005375
ENSMUSG00000024044	1.17548538	2.40605887	0.00066575	0.00530243
ENSMUSG00000031556	1.17449847	4.54480293	0.00021846	0.00197147
ENSMUSG00000022475	1.17341195	4.04618737	0.00026957	0.00239018
ENSMUSG00000097993	1.17104356	1.60482863	0.00166287	0.01179765
ENSMUSG00000040327	1.17069671	1.83275275	0.00140101	0.0101467
ENSMUSG00000031129	1.17044796	1.63184962	0.00152679	0.0109547
ENSMUSG00000025702	1.17036922	3.39807979	0.00037878	0.00323416
ENSMUSG00000095753	1.17017452	4.70122094	0.00021812	0.001971
ENSMUSG00000047123	1.16992847	5.23443754	0.00019852	0.00182352
ENSMUSG00000021796	1.16884267	1.38895427	0.00224038	0.01510016
ENSMUSG00000068417	1.16844822	2.01663373	0.00094197	0.00715868
ENSMUSG00000026860	1.16823747	2.71036505	0.00065358	0.00521704
ENSMUSG00000094787	1.16793615	3.32834087	0.00036794	0.00314912
ENSMUSG00000096336	1.16782609	7.64920582	0.00016766	0.00156675
ENSMUSG00000040811	1.16708348	2.64648533	0.00050389	0.00416078
ENSMUSG00000095794	1.16645574	5.52629889	0.00020089	0.00183903

ENSMUSG00000072825	1.16366083	2.43954682	0.00082667	0.0063768
ENSMUSG00000020219	1.16354358	1.91214345	0.00160308	0.01141852
ENSMUSG00000020668	1.16341768	2.47973351	0.00075722	0.00591731
ENSMUSG00000054708	1.16147166	0.72595839	0.00398405	0.02464948
ENSMUSG00000000782	1.16114585	2.04393397	0.00101154	0.00761759
ENSMUSG00000031880	1.16102383	2.79679212	0.00055129	0.00448689
ENSMUSG00000036661	1.16007572	4.92846608	0.00023875	0.00213316
ENSMUSG00000024339	1.15993376	5.66228702	0.00021042	0.00190685
ENSMUSG00000040462	1.15938025	6.16547392	0.00020242	0.0018468
ENSMUSG00000094198	1.15910937	2.99947479	0.00047255	0.00392296
ENSMUSG00000004263	1.15876342	3.16843667	0.00046011	0.00383449
ENSMUSG00000048897	1.15871828	3.63965492	0.00037256	0.0031861
ENSMUSG00000022265	1.15861063	3.40876983	0.0004046	0.00341183
ENSMUSG00000074064	1.15814279	1.74677463	0.00151501	0.01087743
ENSMUSG00000024781	1.15775029	6.17575788	0.00020558	0.00187012
ENSMUSG00000003072	1.15581868	4.20849398	0.00031199	0.00273088
ENSMUSG00000023809	1.15355941	2.81774232	0.00060622	0.00488963
ENSMUSG00000067878	1.15256273	3.11127832	0.00051023	0.00420021
ENSMUSG00000019487	1.15229761	2.77020136	0.00059114	0.00477517
ENSMUSG00000041361	1.15076679	2.14614326	0.00115654	0.008566
ENSMUSG00000030207	1.15018922	4.17034503	0.00031721	0.00277208
ENSMUSG00000031662	1.14922756	5.03629818	0.00026959	0.00239018
ENSMUSG00000030035	1.14919334	2.11980418	0.00108538	0.00809457
ENSMUSG00000047810	1.14918365	4.30486615	0.00031575	0.00276158
ENSMUSG00000004552	1.14911016	2.59582382	0.00065265	0.00521704
ENSMUSG00000034041	1.14792376	2.92470727	0.00068487	0.00543462
ENSMUSG00000028843	1.14745364	6.99264118	0.00022179	0.00199645
ENSMUSG00000031842	1.1471406	1.08000199	0.00416308	0.02556755
ENSMUSG00000038349	1.14662593	1.03408165	0.00342373	0.0216168
ENSMUSG00000021759	1.14654025	4.89349468	0.00028444	0.00251018
ENSMUSG00000021701	1.14625779	4.10939624	0.00033988	0.0029393
ENSMUSG00000039168	1.14573989	4.54702478	0.0003036	0.00266618
ENSMUSG00000031770	1.14424478	7.09910264	0.00023046	0.00206591
ENSMUSG00000076555	1.14340751	3.7887783	0.0004107	0.00345743
ENSMUSG00000056204	1.14277119	4.34613468	0.00034424	0.0029722
ENSMUSG00000046731	1.14245041	1.23846206	0.00457035	0.02747307
ENSMUSG00000047264	1.14187243	1.42216289	0.00315345	0.0202181
ENSMUSG00000048832	1.14154382	3.14303125	0.00055347	0.00450123
ENSMUSG00000040328	1.13999342	2.31993815	0.00099546	0.00751097
ENSMUSG00000039621	1.13913359	5.68352142	0.00026942	0.00239018
ENSMUSG00000034487	1.13893025	2.685173	0.00077275	0.00602991
ENSMUSG00000076501	1.13852016	5.2962292	0.00028069	0.00247908
ENSMUSG00000040618	1.13796677	4.75345723	0.00032628	0.00284217

ENSMUSG00000027459	1.13788053	1.02404562	0.00478762	0.02856084
ENSMUSG00000087305	1.13728644	1.84417512	0.00172924	0.01225037
ENSMUSG00000032375	1.13715886	1.85281458	0.00185009	0.01294541
ENSMUSG00000023951	1.13625756	3.11570159	0.0006448	0.00516219
ENSMUSG00000033107	1.13478954	1.52076941	0.00299497	0.01939808
ENSMUSG00000024970	1.13359874	1.67325365	0.00224693	0.01513483
ENSMUSG00000076523	1.13322182	5.34206846	0.00029537	0.00259807
ENSMUSG00000091649	1.13298116	5.39331982	0.00030134	0.00264841
ENSMUSG00000039911	1.13281374	2.9664788	0.00075048	0.00586889
ENSMUSG00000027330	1.1321573	6.34677133	0.00027965	0.00247189
ENSMUSG00000030084	1.12988188	4.86513616	0.00034189	0.00295425
ENSMUSG00000029919	1.12901251	6.3228273	0.0002907	0.00256122
ENSMUSG00000078922	1.12820376	2.16865791	0.0012288	0.00906384
ENSMUSG00000055652	1.12711612	3.51855781	0.00056809	0.00461312
ENSMUSG00000001751	1.12532953	2.35738949	0.00123298	0.00908225
ENSMUSG00000048612	1.12470879	5.91678045	0.0003109	0.00272359
ENSMUSG00000028048	1.1237179	5.66490257	0.00033066	0.00287379
ENSMUSG00000097657	1.12283117	1.00520576	0.00597985	0.03431108
ENSMUSG00000045752	1.12185851	3.16873008	0.00074842	0.00586125
ENSMUSG00000076526	1.12164434	3.92461823	0.00046189	0.00384633
ENSMUSG00000028581	1.12101882	8.91666877	0.00029271	0.00257676
ENSMUSG00000022428	1.12081394	2.37964876	0.00136561	0.00992367
ENSMUSG00000022419	1.12048045	0.85723119	0.00469716	0.02810999
ENSMUSG00000036120	1.12015456	3.72146687	0.00053516	0.00437537
ENSMUSG00000031530	1.11966016	5.53019915	0.00034462	0.00297314
ENSMUSG00000038312	1.11924493	5.38470337	0.00035751	0.00306957
ENSMUSG00000029723	1.11807095	3.82622378	0.00054272	0.00442377
ENSMUSG00000038181	1.11667453	4.06177966	0.00049454	0.00409609
ENSMUSG00000016344	1.11636983	3.02251209	0.00081855	0.00633141
ENSMUSG00000025218	1.11619745	2.48425158	0.00123444	0.00908398
ENSMUSG00000096422	1.11563485	5.86028357	0.00035069	0.00301827
ENSMUSG00000001942	1.11505667	3.97140953	0.00052414	0.00429511
ENSMUSG00000047342	1.11437877	1.65137098	0.00262571	0.01731847
ENSMUSG00000066800	1.11262438	5.07760968	0.00040068	0.00338813
ENSMUSG00000030465	1.1124792	4.43446936	0.00046593	0.003877
ENSMUSG00000055200	1.11125803	1.63151528	0.00266057	0.01748419
ENSMUSG00000034792	1.11015412	4.29630073	0.00051636	0.00424103
ENSMUSG00000031355	1.1088523	2.83813932	0.00094504	0.00717195
ENSMUSG00000037204	1.1085917	1.9701738	0.00219037	0.01481867
ENSMUSG00000076733	1.10848309	0.71651726	0.00934479	0.0489433
ENSMUSG00000084796	1.10752536	0.66447164	0.01461694	0.06862389
ENSMUSG00000094075	1.10673647	5.2001319	0.00042465	0.00355823
ENSMUSG00000020178	1.10631914	2.07968838	0.00166665	0.01181669

ENSMUSG00000038387	1.10553839	1.77695302	0.00268767	0.01760866
ENSMUSG00000028347	1.10345102	1.62854916	0.0019424	0.01343607
ENSMUSG00000042622	1.10249341	1.10123475	0.0061722	0.03522855
ENSMUSG00000028062	1.10159954	2.79564562	0.00114178	0.00846832
ENSMUSG00000015837	1.10048379	6.84866455	0.00039588	0.00335887
ENSMUSG00000045639	1.10035395	2.55186669	0.00141406	0.01022064
ENSMUSG00000024399	1.09993993	2.59073052	0.00134969	0.00984463
ENSMUSG00000004846	1.09928216	3.51600686	0.00076851	0.00600118
ENSMUSG00000053977	1.09824365	2.57504477	0.00103166	0.0077583
ENSMUSG00000005881	1.09721376	4.88664771	0.00051165	0.00420552
ENSMUSG00000003970	1.09639332	7.61507857	0.0004048	0.00341183
ENSMUSG00000013707	1.09626073	2.78708425	0.00128362	0.00941028
ENSMUSG00000092274	1.09491421	7.0753152	0.00041948	0.00352308
ENSMUSG00000035697	1.09462634	5.92210934	0.00045124	0.00376349
ENSMUSG00000022558	1.09254195	3.5408445	0.00081302	0.00629502
ENSMUSG00000021665	1.09215901	6.69472294	0.00044089	0.00367997
ENSMUSG00000006301	1.09116386	3.9826549	0.00068465	0.00543462
ENSMUSG00000039782	1.09100728	4.05934946	0.00064569	0.00516549
ENSMUSG00000025169	1.09086366	2.26393501	0.00189611	0.01319202
ENSMUSG00000028362	1.09013965	4.92061573	0.00053833	0.00439465
ENSMUSG00000037966	1.09012394	2.01053652	0.00259897	0.0171732
ENSMUSG00000024334	1.08924026	3.72515399	0.00079784	0.00618989
ENSMUSG00000096490	1.08613241	5.31000855	0.00052688	0.00431099
ENSMUSG00000034902	1.08608976	5.80007222	0.00050468	0.00416409
ENSMUSG00000020346	1.08594331	6.08428882	0.00049316	0.00408782
ENSMUSG00000032737	1.08591395	3.21822376	0.00102984	0.00775004
ENSMUSG00000018909	1.08459977	3.74325986	0.00081995	0.00633405
ENSMUSG00000038486	1.08389683	2.35480849	0.00185226	0.01294541
ENSMUSG00000033124	1.08379363	3.01545738	0.00107667	0.00805185
ENSMUSG00000003299	1.08198524	3.62752347	0.00089057	0.00680643
ENSMUSG00000024818	1.08181665	4.1935396	0.00070352	0.00554992
ENSMUSG00000013858	1.08163297	4.03610766	0.00073603	0.00577265
ENSMUSG00000076937	1.08127646	8.93423822	0.00047198	0.00392128
ENSMUSG00000055053	1.08042348	2.13849835	0.00207495	0.01412642
ENSMUSG00000030427	1.08005243	0.98805472	0.00668045	0.03748282
ENSMUSG00000030852	1.07929289	1.35221117	0.00505724	0.02985072
ENSMUSG00000026728	1.07836947	8.03734943	0.00049548	0.00410069
ENSMUSG00000020808	1.07749236	3.31825384	0.00104052	0.00780863
ENSMUSG00000019823	1.07667063	4.67357929	0.00066452	0.00529652
ENSMUSG00000056938	1.0754669	2.26338593	0.00221932	0.01496755
ENSMUSG00000031342	1.07534746	0.93041175	0.00780971	0.04251381
ENSMUSG00000031563	1.07482363	1.92077865	0.00287168	0.0186668
ENSMUSG00000041912	1.07410363	3.46056937	0.00100255	0.00755524

ENSMUSG00000066363	1.0739575	4.59859583	0.00071021	0.0055864
ENSMUSG00000031378	1.07393836	4.67683308	0.00068896	0.00546307
ENSMUSG00000020260	1.07360662	2.79169315	0.00144175	0.01039293
ENSMUSG00000037499	1.07272249	1.28054906	0.00537452	0.03146514
ENSMUSG00000042613	1.07229104	5.12726119	0.00063713	0.00511219
ENSMUSG00000089832	1.07125579	2.45893683	0.00180934	0.01270304
ENSMUSG00000018427	1.07090072	2.57961187	0.0017542	0.01238044
ENSMUSG00000041598	1.06975767	0.63366152	0.01164936	0.05783917
ENSMUSG00000032641	1.06872795	1.71576251	0.00342196	0.0216168
ENSMUSG00000033684	1.06671721	3.40856446	0.00113484	0.00843428
ENSMUSG00000037221	1.06600175	1.84136382	0.00367606	0.02300788
ENSMUSG00000095589	1.06542354	4.27157802	0.00082801	0.00638225
ENSMUSG00000069792	1.06516579	1.85610599	0.00334974	0.02122417
ENSMUSG00000033021	1.06447095	4.21504336	0.00085494	0.0065574
ENSMUSG00000086316	1.06411353	1.69102811	0.00371927	0.02323792
ENSMUSG00000056501	1.06384229	0.68535308	0.01093013	0.05501577
ENSMUSG00000029598	1.06383874	4.14984468	0.00086943	0.00665906
ENSMUSG00000028028	1.05963815	1.93474291	0.00267381	0.01753915
ENSMUSG00000053334	1.05887081	1.93867117	0.00304443	0.01962413
ENSMUSG00000043740	1.05875221	1.54047387	0.00513787	0.03021087
ENSMUSG00000005125	1.05850783	1.73935897	0.00413597	0.02544341
ENSMUSG00000049047	1.05846398	5.0773724	0.00074971	0.0058671
ENSMUSG00000032285	1.05785073	1.9718521	0.0023255	0.01561533
ENSMUSG00000094420	1.05782254	7.33898658	0.00064063	0.00513644
ENSMUSG00000040483	1.05775033	5.76094384	0.0006962	0.00550426
ENSMUSG00000059810	1.05769496	1.80530694	0.00349058	0.02197458
ENSMUSG00000034731	1.05745287	2.71425116	0.00151247	0.0108664
ENSMUSG00000018509	1.05735044	1.00586238	0.0081366	0.04382277
ENSMUSG00000036199	1.05573124	3.62730496	0.00116938	0.00865518
ENSMUSG00000034748	1.05413723	1.11802324	0.00744598	0.04096806
ENSMUSG00000032180	1.05391577	2.66245711	0.00187152	0.01305467
ENSMUSG00000026797	1.05122619	2.48094987	0.00236209	0.0158118
ENSMUSG00000038967	1.05057423	1.07244452	0.01012621	0.05207238
ENSMUSG00000079419	1.04909621	7.56187216	0.00070514	0.00555457
ENSMUSG00000039137	1.04850924	1.48292269	0.00543304	0.0317045
ENSMUSG00000037849	1.04849471	6.51777578	0.00073563	0.00577265
ENSMUSG00000071042	1.04747999	8.72744296	0.0007016	0.00553883
ENSMUSG00000076563	1.04700905	5.67523938	0.00079586	0.0061834
ENSMUSG00000028952	1.04681312	1.9788046	0.00338523	0.02142393
ENSMUSG00000024856	1.04675969	4.10137145	0.00108406	0.00809028
ENSMUSG00000069743	1.04625769	1.27592276	0.00580944	0.03350212
ENSMUSG00000006589	1.04551354	4.02705183	0.00113569	0.00843475
ENSMUSG00000005057	1.04463421	0.75925875	0.01762876	0.07927794

ENSMUSG00000010045	1.04380985	2.43554545	0.00264747	0.01741932
ENSMUSG00000028634	1.04353342	6.47731224	0.00077974	0.00608004
ENSMUSG00000026641	1.04248208	3.99657423	0.00115458	0.00855742
ENSMUSG00000039891	1.04188895	2.76759611	0.00203754	0.01393015
ENSMUSG00000022272	1.03967289	1.96806491	0.00357684	0.02242593
ENSMUSG00000026209	1.03763183	3.87183232	0.00128953	0.00944079
ENSMUSG00000020484	1.03759429	9.30853137	0.00078234	0.00609591
ENSMUSG00000011831	1.03755022	4.63227395	0.00104164	0.00781155
ENSMUSG00000076556	1.03728012	4.89810296	0.00099598	0.00751097
ENSMUSG00000029923	1.03482574	2.58060429	0.0026805	0.01757231
ENSMUSG00000056665	1.0345178	2.13360294	0.00382513	0.02381649
ENSMUSG00000022614	1.03443085	3.89265131	0.00136163	0.00990234
ENSMUSG00000032353	1.03440743	4.60258475	0.00110087	0.00819873
ENSMUSG00000008090	1.03387772	0.76250714	0.01275009	0.06199803
ENSMUSG00000022750	1.03253829	3.38602652	0.00163083	0.01160848
ENSMUSG00000023345	1.03205006	3.07259041	0.00191906	0.01330877
ENSMUSG00000038886	1.0303624	5.52975835	0.00097854	0.00741048
ENSMUSG00000089672	1.02974388	5.07288611	0.00103775	0.00779326
ENSMUSG00000073430	1.02934315	1.48657023	0.00499776	0.02958061
ENSMUSG00000030055	1.02855907	5.64937648	0.00098949	0.00748067
ENSMUSG00000003882	1.02814527	2.01863203	0.00288895	0.01875646
ENSMUSG00000035372	1.02766998	2.2770352	0.00300127	0.0194272
ENSMUSG00000027163	1.02605449	2.61918317	0.0024335	0.01623936
ENSMUSG00000042814	1.02496099	1.19726748	0.00817015	0.04396551
ENSMUSG00000016256	1.02413981	7.91751124	0.00092981	0.00708624
ENSMUSG00000060803	1.02320141	5.14507261	0.00111016	0.00826221
ENSMUSG00000027805	1.02319173	3.08072453	0.0020318	0.01391173
ENSMUSG00000047037	1.02310212	1.33223043	0.00662739	0.03730157
ENSMUSG00000026657	1.02277352	1.03503472	0.01038692	0.05308651
ENSMUSG00000044199	1.02174661	3.38984555	0.00180367	0.0126715
ENSMUSG00000016028	1.02139142	1.25420181	0.00924389	0.04860367
ENSMUSG00000085795	1.02105011	2.6185699	0.00252878	0.01680243
ENSMUSG00000029994	1.02067606	4.5055481	0.00125386	0.00921093
ENSMUSG00000027890	1.0205434	3.25414901	0.00177161	0.01248692
ENSMUSG00000097908	1.01828159	3.80269819	0.001603	0.01141852
ENSMUSG00000050002	1.01710147	4.088436	0.00147478	0.01061682
ENSMUSG00000026347	1.01615928	1.8861253	0.0048361	0.02876586
ENSMUSG00000002014	1.01557964	6.40597385	0.00108018	0.00806697
ENSMUSG00000020235	1.01542842	3.97156457	0.00155437	0.01111531
ENSMUSG00000032383	1.01464042	7.9381614	0.00103545	0.00778135
ENSMUSG00000044456	1.01409426	3.44183482	0.00191344	0.01327832
ENSMUSG00000060166	1.0126732	2.35455084	0.00303646	0.01959614
ENSMUSG00000029094	1.01237989	1.70616602	0.00598889	0.03433504

ENSMUSG00000024160	1.01226141	2.89988915	0.00248942	0.01656243
ENSMUSG00000066621	1.01096323	3.1127061	0.00233848	0.0156732
ENSMUSG00000024835	1.01036788	5.84666727	0.00119499	0.00883263
ENSMUSG00000021880	1.00733718	4.86029536	0.00138972	0.01007849
ENSMUSG00000030761	1.00732728	3.99377947	0.00165616	0.01175774
ENSMUSG00000094322	1.00715639	3.34021377	0.0020253	0.01389054
ENSMUSG00000041199	1.0065594	1.09297942	0.01012621	0.05207238
ENSMUSG00000033313	1.00558421	1.25652359	0.01085117	0.05473294
ENSMUSG00000094749	1.00544823	4.74797306	0.00142188	0.01027033
ENSMUSG00000021213	1.00543505	1.3255552	0.00908472	0.04783673
ENSMUSG00000027956	1.00515564	0.73730644	0.01762876	0.07927794
ENSMUSG00000002393	1.00487113	0.96567549	0.01252834	0.06118912
ENSMUSG00000015092	1.00436892	3.76172793	0.00185708	0.01297071
ENSMUSG00000051615	1.00408562	2.920259	0.00254495	0.01688904
ENSMUSG00000057411	1.00362976	1.45086887	0.00709495	0.03934834
ENSMUSG00000095007	1.00347856	4.50697948	0.0015403	0.01103395
ENSMUSG00000010358	1.00301643	5.58367723	0.00131665	0.00961973
ENSMUSG00000025503	1.001801	5.51604687	0.00135017	0.00984463
ENSMUSG00000074811	1.00091871	1.5386848	0.00813781	0.04382277
ENSMUSG00000074283	1.00079467	1.47863483	0.00793119	0.04303299
ENSMUSG00000037326	1.00070441	1.56628563	0.007995	0.04328217
ENSMUSG00000029428	0.99885958	2.11320156	0.00478839	0.02856084
ENSMUSG00000018932	0.99707574	5.94338914	0.00135894	0.00990186
ENSMUSG00000026782	0.99682242	4.86531273	0.00154091	0.01103395
ENSMUSG00000054499	0.99621681	1.81736122	0.0058529	0.03369869
ENSMUSG00000061758	0.99490254	3.80796503	0.00208837	0.01420879
ENSMUSG00000038593	0.99433445	1.5212713	0.00880094	0.04668437
ENSMUSG00000020167	0.99312479	4.34157386	0.00179143	0.01260656
ENSMUSG00000095335	0.99295911	3.8577195	0.00205091	0.01400695
ENSMUSG00000029469	0.99294448	1.28530767	0.00885343	0.04691667
ENSMUSG00000061981	0.99280763	2.92616428	0.00289775	0.01880222
ENSMUSG00000059674	0.9913754	0.55079639	0.02899443	0.11541077
ENSMUSG00000044156	0.99114418	2.81047745	0.00298875	0.01936942
ENSMUSG00000056116	0.99076555	6.91226868	0.00138581	0.01005694
ENSMUSG00000027082	0.99066306	2.97777152	0.0030958	0.01991949
ENSMUSG00000024812	0.99054343	4.50692003	0.00177689	0.01251597
ENSMUSG00000045932	0.99042043	6.34187129	0.00142555	0.01028995
ENSMUSG00000076550	0.99039356	3.02660507	0.00266385	0.01749507
ENSMUSG00000003233	0.98971422	2.19747167	0.00522808	0.03070787
ENSMUSG00000051335	0.98823367	1.70764262	0.00680886	0.03812398
ENSMUSG00000039716	0.98814956	0.83577994	0.01774976	0.07958366
ENSMUSG00000036676	0.98727177	3.69366584	0.00218036	0.01476021
ENSMUSG00000061111	0.98703198	2.75441315	0.00369966	0.02314218

ENSMUSG00000062157	0.98530523	1.27804036	0.01060028	0.05379453
ENSMUSG00000073176	0.98511119	1.24488489	0.01085117	0.05473294
ENSMUSG00000033685	0.98436614	7.94858438	0.00144739	0.01042662
ENSMUSG00000043372	0.98405734	0.97811996	0.01503091	0.07010957
ENSMUSG00000003345	0.98208331	3.10694704	0.00305263	0.01965349
ENSMUSG00000028392	0.9808373	0.75901931	0.01762876	0.07927794
ENSMUSG00000021136	0.98067365	1.1741323	0.01282556	0.06225468
ENSMUSG00000022565	0.98051599	4.06855213	0.00207102	0.01410859
ENSMUSG00000034744	0.98045538	2.99867849	0.00325201	0.02072673
ENSMUSG00000003518	0.97960103	4.43161921	0.00202795	0.01389418
ENSMUSG00000034471	0.9776761	1.87827197	0.00702697	0.03904112
ENSMUSG00000026955	0.97456494	3.17278674	0.00318609	0.02039097
ENSMUSG00000036106	0.97438995	3.94640693	0.00239943	0.01605179
ENSMUSG00000037325	0.97391268	3.01208409	0.00331764	0.02109784
ENSMUSG00000017747	0.97335149	2.1855975	0.00556672	0.03234455
ENSMUSG00000035890	0.9733065	2.64203949	0.00418944	0.02569904
ENSMUSG00000029998	0.97224418	5.15206568	0.00192293	0.01332702
ENSMUSG00000043311	0.97193352	2.76572079	0.00394429	0.02444554
ENSMUSG00000070284	0.97165811	4.76195293	0.00205391	0.01401861
ENSMUSG00000044309	0.97158098	3.54319383	0.00270494	0.01770027
ENSMUSG00000022620	0.97148235	2.69831618	0.00428952	0.02622344
ENSMUSG00000039910	0.97146074	5.55987461	0.00185138	0.01294541
ENSMUSG00000020186	0.97145711	2.33345056	0.00556525	0.03234455
ENSMUSG00000045594	0.97123909	5.12858825	0.00195985	0.01353076
ENSMUSG00000082292	0.96970179	5.39150114	0.00190773	0.01325575
ENSMUSG00000056737	0.96938669	6.14870215	0.0018164	0.01274433
ENSMUSG00000028980	0.96932227	3.77967189	0.00264741	0.01741932
ENSMUSG00000070699	0.96916699	2.2231434	0.00540599	0.03158599
ENSMUSG00000040033	0.96846462	7.63699868	0.00173009	0.01225037
ENSMUSG00000031303	0.96823673	2.80720278	0.00394007	0.02443339
ENSMUSG00000002820	0.96786117	2.55700544	0.00428633	0.02621884
ENSMUSG00000001082	0.967114	3.28745477	0.00313936	0.02016346
ENSMUSG00000024862	0.96665053	1.89370887	0.00738488	0.04071049
ENSMUSG00000025792	0.96655078	2.31418197	0.00523407	0.03072629
ENSMUSG00000024772	0.96653551	5.88819306	0.00191207	0.01327735
ENSMUSG00000041936	0.96634384	2.43694951	0.00510975	0.03009479
ENSMUSG00000036686	0.96612676	2.67660443	0.00454363	0.02732763
ENSMUSG00000032648	0.96605355	1.3247389	0.01013055	0.05207238
ENSMUSG00000056498	0.96554005	6.58422168	0.00184722	0.01293536
ENSMUSG00000032842	0.96496938	1.20810821	0.01753252	0.07900988
ENSMUSG00000021185	0.96467345	5.69388258	0.00197315	0.01359646
ENSMUSG00000034858	0.96411078	5.14405619	0.00209223	0.01422611
ENSMUSG00000028466	0.96409757	4.40132817	0.00243964	0.0162703

ENSMUSG0000001911	0.96409639	1.71974786	0.00772001	0.04211054
ENSMUSG00000053559	0.96388411	2.02833176	0.0064112	0.03627408
ENSMUSG00000039886	0.96378609	2.46871136	0.00477212	0.0284953
ENSMUSG00000032596	0.96311146	6.14022136	0.00193576	0.01340735
ENSMUSG00000071074	0.96206168	3.41373131	0.00319806	0.0204433
ENSMUSG00000076522	0.95933916	6.10397737	0.00200916	0.0138005
ENSMUSG00000066357	0.9583011	5.43453842	0.00217388	0.01472556
ENSMUSG00000022853	0.95690769	3.38611703	0.00332858	0.0211398
ENSMUSG00000028795	0.95627608	2.39658116	0.00508363	0.02997621
ENSMUSG00000095204	0.95493784	2.51263408	0.0056638	0.03285553
ENSMUSG00000040627	0.95458446	6.81472289	0.00206584	0.0140822
ENSMUSG00000033128	0.95453756	3.6247801	0.00332668	0.0211398
ENSMUSG00000065037	0.95406705	1.28369643	0.01085117	0.05473294
ENSMUSG00000014856	0.95391295	3.6126148	0.00321389	0.02052021
ENSMUSG00000037410	0.95290813	2.36383072	0.00618151	0.03523332
ENSMUSG00000031708	0.95268998	5.39287552	0.00233197	0.01564899
ENSMUSG00000018008	0.95214755	6.30912729	0.00216669	0.0146953
ENSMUSG00000023991	0.95212005	2.64221174	0.00485389	0.02885575
ENSMUSG00000020571	0.95120762	9.46863521	0.00203837	0.01393015
ENSMUSG00000032175	0.95108104	5.33857185	0.0023499	0.01573997
ENSMUSG00000019082	0.95033129	3.85986222	0.00319718	0.0204433
ENSMUSG00000058709	0.95003791	3.32292818	0.00374016	0.0233306
ENSMUSG00000017756	0.94972348	3.47690642	0.00351312	0.0220649
ENSMUSG00000026197	0.94875261	2.20681187	0.00729966	0.0402874
ENSMUSG00000029007	0.94755581	3.90325769	0.00310842	0.0199888
ENSMUSG00000029364	0.94739571	4.58383149	0.00273322	0.01786365
ENSMUSG00000055538	0.94623893	3.07508428	0.00426706	0.02612604
ENSMUSG00000019822	0.94574985	2.52624643	0.0060149	0.03446584
ENSMUSG00000063455	0.94512653	2.33840586	0.00636224	0.03603489
ENSMUSG00000067212	0.94413265	6.45675706	0.0023344	0.01565555
ENSMUSG00000001542	0.94231088	7.62402592	0.00228694	0.01538512
ENSMUSG00000007872	0.94211011	1.7859846	0.01049804	0.05342656
ENSMUSG00000076532	0.94161346	4.81969296	0.00275625	0.01799239
ENSMUSG00000004934	0.94071014	3.17468285	0.00430441	0.02626978
ENSMUSG00000071715	0.94066399	5.18617283	0.0026913	0.01762171
ENSMUSG00000020225	0.94032526	5.48711681	0.00258647	0.01713301
ENSMUSG00000047238	0.94027646	1.41545458	0.01143507	0.05710074
ENSMUSG00000089942	0.93928203	1.86239011	0.00892165	0.04718542
ENSMUSG00000093861	0.93848986	6.83383942	0.00242287	0.01617844
ENSMUSG00000029638	0.93847655	1.54110306	0.0121661	0.05985093
ENSMUSG00000030539	0.93646592	5.41611849	0.00275025	0.01796407
ENSMUSG00000037370	0.93629131	4.70956692	0.00296594	0.01923316
ENSMUSG00000035206	0.9360642	1.47048042	0.01359252	0.06483047

ENSMUSG00000028850	0.93541451	1.52676583	0.01270207	0.0618416
ENSMUSG00000063439	0.93384042	1.13825284	0.01802521	0.08045692
ENSMUSG00000024942	0.93300524	4.89630323	0.00304015	0.01960824
ENSMUSG00000094319	0.93288076	0.94015225	0.01438199	0.06775894
ENSMUSG00000029103	0.93242194	4.93883804	0.00301239	0.01947579
ENSMUSG00000032265	0.9319391	4.02359605	0.00353306	0.02216435
ENSMUSG00000032657	0.9310012	1.30301138	0.01915124	0.08471164
ENSMUSG00000024773	0.93032182	3.3708744	0.00447867	0.02702847
ENSMUSG00000037606	0.92964653	3.32671053	0.0044205	0.02676625
ENSMUSG00000031286	0.92955822	1.41080245	0.01314947	0.06333357
ENSMUSG00000033060	0.92889461	4.35394708	0.0034936	0.02198075
ENSMUSG00000075010	0.92860796	5.81632272	0.00285725	0.01859542
ENSMUSG00000096074	0.92837113	1.20121994	0.01282556	0.06225468
ENSMUSG00000020941	0.92827756	3.60320817	0.00439222	0.02668613
ENSMUSG00000006057	0.92654362	5.13702075	0.00314119	0.02016346
ENSMUSG00000030653	0.92626741	5.33580348	0.00304891	0.01964127
ENSMUSG00000031813	0.92617299	2.76804468	0.00618961	0.03526083
ENSMUSG00000025076	0.92428454	4.13056916	0.0037406	0.0233306
ENSMUSG00000001794	0.92386686	6.6297616	0.00286241	0.01861775
ENSMUSG00000010110	0.9234817	5.82891084	0.00300311	0.01942743
ENSMUSG00000038217	0.92320531	2.16466405	0.00796621	0.04314799
ENSMUSG00000006519	0.92219921	4.94228644	0.00334972	0.02122417
ENSMUSG00000056666	0.9214314	2.25188253	0.00832662	0.04456291
ENSMUSG00000071547	0.92063181	2.70981602	0.0069767	0.03884187
ENSMUSG00000029135	0.92048612	1.42514163	0.01053531	0.05358235
ENSMUSG00000086784	0.91994235	2.15110886	0.00896014	0.04734253
ENSMUSG00000063802	0.91984066	2.05263377	0.00959946	0.05005831
ENSMUSG00000067336	0.91947082	3.08857343	0.00512237	0.03013616
ENSMUSG00000030680	0.91916162	1.72893396	0.01054076	0.05358235
ENSMUSG00000095737	0.91890583	2.20805309	0.00759548	0.0416419
ENSMUSG00000074272	0.91856893	4.91973281	0.00348158	0.02193072
ENSMUSG00000006517	0.91779298	3.04510494	0.00568577	0.03294753
ENSMUSG00000038351	0.91611561	1.52085164	0.01340761	0.06409028
ENSMUSG00000037344	0.91594813	2.07395214	0.01026684	0.05262486
ENSMUSG00000093894	0.914779	4.18830023	0.00395207	0.02447967
ENSMUSG00000014599	0.91426927	2.96001432	0.00578201	0.03342934
ENSMUSG00000017697	0.91409253	4.02940383	0.00435287	0.02652052
ENSMUSG00000002105	0.91374922	2.07027072	0.00986027	0.05104806
ENSMUSG00000024357	0.91327729	3.98800925	0.00430169	0.02626806
ENSMUSG00000067071	0.91279912	2.11796759	0.00932532	0.04888877
ENSMUSG00000031988	0.91198587	3.91737945	0.00441569	0.02676422
ENSMUSG00000020231	0.91188016	3.03047065	0.00558101	0.03241011
ENSMUSG00000021306	0.91128983	3.54592627	0.00487421	0.02896061

ENSMUSG00000018599	0.91118552	2.31394606	0.00928883	0.04876863
ENSMUSG00000032855	0.91070924	4.26082659	0.00409635	0.02522847
ENSMUSG00000036390	0.91044403	2.35385592	0.00808395	0.043676
ENSMUSG00000060671	0.91011076	7.04812212	0.00324883	0.02071872
ENSMUSG00000020806	0.90995661	2.77532033	0.00655212	0.03696679
ENSMUSG00000042675	0.90925694	3.13317701	0.00579802	0.0334721
ENSMUSG00000035517	0.90893271	4.61866773	0.00392822	0.02437395
ENSMUSG00000022474	0.90872741	4.01510428	0.00461315	0.02771487
ENSMUSG00000028057	0.9086372	4.20707086	0.00426874	0.02612604
ENSMUSG00000024036	0.90852566	1.85022921	0.01219868	0.05988347
ENSMUSG00000016194	0.90832361	2.54592492	0.00715212	0.03955308
ENSMUSG00000037846	0.90765931	0.81131513	0.02220338	0.09497868
ENSMUSG00000037089	0.90725127	4.07162675	0.0046561	0.0278952
ENSMUSG00000034108	0.90628533	2.37486591	0.00906896	0.04782378
ENSMUSG00000026102	0.90508181	4.91480505	0.00399153	0.02465332
ENSMUSG00000021614	0.90468706	1.46877065	0.01228427	0.06023105
ENSMUSG00000031517	0.9043223	3.63369945	0.00537097	0.03146147
ENSMUSG00000008384	0.90423495	1.80940705	0.01434894	0.06767191
ENSMUSG00000049686	0.90404928	1.44961644	0.01957516	0.08614365
ENSMUSG00000051768	0.90402146	4.55598071	0.00422109	0.02586378
ENSMUSG00000053644	0.9038021	4.18927647	0.00451481	0.02721504
ENSMUSG00000014867	0.90376914	7.9318281	0.00340743	0.02153908
ENSMUSG00000078921	0.90301271	4.18504245	0.00446183	0.02697105
ENSMUSG00000031441	0.90190464	3.96017279	0.00475848	0.02842959
ENSMUSG00000022174	0.90156701	5.36954288	0.00389856	0.02421777
ENSMUSG00000005089	0.90133118	3.38189465	0.00567653	0.03291168
ENSMUSG00000024299	0.8983471	3.22980445	0.00645226	0.03646814
ENSMUSG00000030269	0.89777247	6.95178072	0.00371007	0.02319383
ENSMUSG00000028756	0.89738963	2.87422696	0.00714616	0.03954036
ENSMUSG00000041649	0.89738683	3.47645231	0.00576711	0.03336507
ENSMUSG00000030541	0.89636986	4.40226508	0.0047477	0.02838094
ENSMUSG00000037419	0.89627372	3.99063077	0.00492122	0.0292077
ENSMUSG00000030120	0.89584061	4.79701817	0.0043968	0.02668613
ENSMUSG00000036555	0.89533009	2.83504358	0.00698688	0.03887852
ENSMUSG00000025736	0.895225	3.3151031	0.00635761	0.03602756
ENSMUSG00000032299	0.89480468	3.44077485	0.00587137	0.033787
ENSMUSG00000025324	0.89474174	5.36693893	0.0041732	0.02561399
ENSMUSG00000018931	0.89395217	3.62324845	0.00554588	0.03229308
ENSMUSG00000024960	0.89314152	2.99150986	0.00709217	0.03934834
ENSMUSG00000041773	0.89279485	3.97330098	0.00522618	0.03070787
ENSMUSG00000061306	0.89253087	5.17941115	0.00434621	0.02649494
ENSMUSG00000070327	0.89223382	9.45904282	0.00377011	0.02348748
ENSMUSG00000034659	0.89192035	4.32537377	0.00503297	0.02974005

ENSMUSG00000046432	0.89191726	4.57879197	0.00482081	0.02869282
ENSMUSG00000030930	0.89174611	3.69806111	0.00576003	0.03334203
ENSMUSG00000033589	0.89136197	4.77168622	0.00465298	0.02789201
ENSMUSG00000091549	0.88911162	5.53220922	0.00431829	0.02633959
ENSMUSG00000020766	0.88909796	2.68753957	0.00854632	0.04546795
ENSMUSG00000033033	0.88843652	1.83540031	0.01533057	0.07104633
ENSMUSG00000039745	0.88842738	4.0519157	0.00547144	0.03187684
ENSMUSG00000025931	0.88810744	2.08551481	0.01264455	0.06164504
ENSMUSG00000009828	0.88745673	2.83899098	0.00761819	0.04170281
ENSMUSG00000038213	0.88671141	5.06354349	0.00464933	0.02788565
ENSMUSG00000033355	0.88641659	5.30417593	0.00447885	0.02702847
ENSMUSG00000038079	0.88635604	2.39314009	0.00847634	0.04516248
ENSMUSG00000027953	0.88634074	4.22067601	0.00540687	0.03158599
ENSMUSG00000040345	0.88633014	4.08425535	0.00546282	0.03184383
ENSMUSG00000019302	0.88591018	7.04758131	0.00415996	0.02556755
ENSMUSG00000003452	0.88502009	3.49635055	0.00603023	0.03453533
ENSMUSG00000032392	0.88501607	0.99548226	0.03229138	0.12537558
ENSMUSG00000020100	0.88462493	5.87557325	0.00441745	0.02676422
ENSMUSG00000028967	0.88408445	2.37990229	0.0104796	0.0533579
ENSMUSG00000024201	0.88322613	3.0431534	0.00730478	0.04029397
ENSMUSG00000063457	0.88321215	6.41590838	0.00439737	0.02668613
ENSMUSG00000018574	0.88279095	5.85513701	0.00452985	0.02726001
ENSMUSG00000036473	0.88276006	3.79279853	0.00583001	0.03358486
ENSMUSG00000040511	0.88269017	4.82111029	0.00498364	0.02951323
ENSMUSG00000024870	0.88254925	5.12549431	0.00482116	0.02869282
ENSMUSG00000016496	0.88140623	6.39020377	0.00443902	0.02684822
ENSMUSG00000015335	0.88119285	1.81396468	0.0159457	0.07339242
ENSMUSG00000059534	0.88101999	3.5645486	0.0068915	0.03846398
ENSMUSG00000055805	0.88056935	7.07075743	0.00438449	0.026668
ENSMUSG00000035559	0.8804042	2.48319014	0.01005904	0.05182832
ENSMUSG00000031387	0.88026614	3.85300996	0.00616524	0.035215
ENSMUSG00000025509	0.87981995	3.79038002	0.00626909	0.03560629
ENSMUSG00000046157	0.87945796	6.0687354	0.00463542	0.02781769
ENSMUSG00000027035	0.87858127	4.16890959	0.00582	0.03354509
ENSMUSG00000009894	0.87788349	3.6232425	0.00681899	0.03814108
ENSMUSG00000045867	0.87778035	2.00964434	0.01416227	0.06692635
ENSMUSG00000024012	0.87766493	5.14780202	0.00508406	0.02997621
ENSMUSG00000020818	0.87679604	4.26537882	0.00579124	0.03345085
ENSMUSG00000028833	0.87600163	3.30579935	0.00756764	0.04155265
ENSMUSG00000059278	0.87552257	2.52605332	0.01033759	0.05289324
ENSMUSG00000071537	0.87529933	0.93905067	0.03496873	0.13268407
ENSMUSG00000035692	0.87509274	5.39139807	0.00504223	0.02977845
ENSMUSG00000064254	0.87430748	2.76058087	0.01010852	0.05203357

ENSMUSG00000038534	0.87363271	3.05097353	0.00829034	0.04445701
ENSMUSG00000052087	0.87265914	2.63655822	0.01003727	0.0517409
ENSMUSG00000031706	0.87247263	2.10193204	0.01456542	0.06847145
ENSMUSG00000025158	0.87143949	2.64198661	0.01031916	0.05284037
ENSMUSG00000020262	0.8710389	1.3793456	0.02298813	0.09767691
ENSMUSG00000022453	0.87041902	2.70632621	0.01043107	0.05323649
ENSMUSG00000028068	0.8699604	4.64429831	0.00580335	0.03348491
ENSMUSG00000025510	0.86952123	1.91590766	0.01542118	0.07143559
ENSMUSG00000000149	0.86880136	3.84051021	0.00689456	0.03846398
ENSMUSG00000049858	0.86855794	3.56674945	0.00738784	0.04071049
ENSMUSG00000024338	0.86809382	7.42949947	0.00493167	0.02925366
ENSMUSG00000006736	0.86745534	6.58395674	0.00508847	0.02998583
ENSMUSG00000022175	0.86660636	5.72210406	0.00537966	0.03147818
ENSMUSG00000039485	0.86655053	3.06751272	0.00829704	0.04447083
ENSMUSG00000046572	0.86591661	4.00612199	0.00661062	0.03722658
ENSMUSG00000041268	0.86565499	2.01038006	0.01340098	0.06408788
ENSMUSG00000004952	0.86531852	4.10936243	0.00673122	0.03774804
ENSMUSG00000034786	0.86456804	2.16093341	0.01465898	0.06879132
ENSMUSG00000006360	0.86397357	1.15457636	0.0327512	0.12645504
ENSMUSG00000025533	0.86300346	3.30467297	0.00846266	0.04511187
ENSMUSG00000027605	0.86254748	3.20343461	0.00931634	0.04886546
ENSMUSG00000035311	0.8621303	7.08424927	0.005269	0.03089772
ENSMUSG00000021279	0.86211155	3.75049932	0.00725189	0.0400637
ENSMUSG00000034757	0.86170543	3.70962025	0.00771395	0.04210289
ENSMUSG00000019768	0.86135118	0.89088176	0.02915478	0.11593108
ENSMUSG00000021728	0.86134312	5.38654729	0.00575018	0.03330287
ENSMUSG00000042377	0.85975	0.81002926	0.04821516	0.16595988
ENSMUSG00000024953	0.85922078	3.62588135	0.00793301	0.04303299
ENSMUSG00000026342	0.85897149	3.57753412	0.00771142	0.04210289
ENSMUSG00000058486	0.85856071	3.64165896	0.00790303	0.04291352
ENSMUSG00000042178	0.85846614	2.7085955	0.01081279	0.05467736
ENSMUSG00000057789	0.85842454	5.48888546	0.00591161	0.03400042
ENSMUSG00000032115	0.85715382	8.92763372	0.00538381	0.03148537
ENSMUSG00000062075	0.85634685	3.61954937	0.00842244	0.0449864
ENSMUSG00000041762	0.85631491	4.93120556	0.00631683	0.03583412
ENSMUSG00000038650	0.85458501	4.92101004	0.00645001	0.03646814
ENSMUSG00000029624	0.85438915	3.50423338	0.00844681	0.04504965
ENSMUSG00000028517	0.85392017	1.44563567	0.02220098	0.09497868
ENSMUSG00000053835	0.85379306	5.32578275	0.00620186	0.03530808
ENSMUSG00000021493	0.85340323	2.45757813	0.01308014	0.06305598
ENSMUSG00000047669	0.85254964	1.51228677	0.01997847	0.08743826
ENSMUSG00000055322	0.85207627	2.41780009	0.0128019	0.06221528
ENSMUSG00000069874	0.85138751	6.08225335	0.00605336	0.03464938

ENSMUSG00000020538	0.85090174	4.24831773	0.0074585	0.04100173
ENSMUSG00000024937	0.84994364	5.16523303	0.0066077	0.03722658
ENSMUSG00000044857	0.84977963	2.50958625	0.01411667	0.06679869
ENSMUSG00000040699	0.8496511	6.44570108	0.00610204	0.03490949
ENSMUSG00000034412	0.84954836	2.60211754	0.01337911	0.06408788
ENSMUSG00000020277	0.84930171	4.67251791	0.00711621	0.03943533
ENSMUSG00000031138	0.84911778	1.96220681	0.01732779	0.07821805
ENSMUSG00000039461	0.84879806	3.22426445	0.0097337	0.05062953
ENSMUSG00000035673	0.84873094	4.26631686	0.00739896	0.04075096
ENSMUSG00000075706	0.84811212	5.10225138	0.00675819	0.03787959
ENSMUSG00000068923	0.84767352	3.72031622	0.00801668	0.04337775
ENSMUSG00000095488	0.8458967	5.15085189	0.00682269	0.03814198
ENSMUSG00000039623	0.84565956	2.28036302	0.01552442	0.07175967
ENSMUSG00000034509	0.84448049	3.4615542	0.00963162	0.05020171
ENSMUSG00000050732	0.84445893	5.00726843	0.00709686	0.03934834
ENSMUSG00000017765	0.84415198	3.21310295	0.00993544	0.05138789
ENSMUSG00000019039	0.84406971	3.54737602	0.00938191	0.04911384
ENSMUSG00000038007	0.84304291	1.89345264	0.01946168	0.08573315
ENSMUSG00000020423	0.84298769	7.12576058	0.00634363	0.03596724
ENSMUSG00000042500	0.84262191	2.87043536	0.010843	0.05473294
ENSMUSG00000024610	0.84184634	11.2549524	0.00620445	0.03530808
ENSMUSG00000094356	0.84170743	4.40371792	0.007823	0.04256004
ENSMUSG00000042210	0.84141705	2.59176945	0.01317892	0.06341878
ENSMUSG00000074364	0.8406848	3.23109327	0.00991846	0.05132469
ENSMUSG00000024887	0.84056266	4.62606964	0.00761802	0.04170281
ENSMUSG00000096054	0.84055066	4.24053577	0.00806954	0.04362002
ENSMUSG00000027134	0.83984596	1.84410349	0.02114851	0.09140903
ENSMUSG00000093661	0.83984411	4.49360552	0.00782609	0.04256004
ENSMUSG00000053730	0.83965733	3.60299118	0.00940089	0.04916547
ENSMUSG00000028893	0.83924468	4.55284368	0.00777258	0.04235449
ENSMUSG00000020605	0.83872599	2.75875599	0.01262816	0.06159297
ENSMUSG00000040472	0.83872492	3.06275658	0.01065892	0.05404125
ENSMUSG00000018819	0.83821626	7.24993713	0.00663198	0.0373079
ENSMUSG00000033434	0.83804092	1.14560489	0.03575615	0.13505027
ENSMUSG00000064065	0.83784747	2.9187424	0.01111009	0.05571142
ENSMUSG00000038055	0.83646686	3.59094435	0.00969225	0.05046897
ENSMUSG00000044453	0.83517419	1.16037306	0.02998685	0.11858385
ENSMUSG00000037148	0.8344403	3.81036976	0.00950575	0.04964163
ENSMUSG00000048277	0.83443863	7.8200933	0.00681276	0.03812602
ENSMUSG00000026556	0.83414242	2.34468434	0.01702386	0.07713667
ENSMUSG00000032783	0.83300107	3.53400186	0.01009717	0.05199995
ENSMUSG00000024197	0.83135467	3.48867195	0.01024827	0.05257721
ENSMUSG00000051537	0.83116866	0.72025449	0.05017089	0.1704609

ENSMUSG00000036959	0.8306604	3.16456147	0.01160278	0.05771421
ENSMUSG00000040158	0.82881346	1.79807268	0.02124812	0.09172925
ENSMUSG00000006219	0.82864327	1.1129747	0.0268734	0.10907139
ENSMUSG00000031903	0.82841477	3.04641917	0.01228749	0.06023105
ENSMUSG00000026856	0.82825168	3.31676503	0.01163219	0.05780715
ENSMUSG00000033697	0.82715384	1.13772771	0.03575615	0.13505027
ENSMUSG00000029385	0.82668723	5.2883793	0.00805293	0.04355205
ENSMUSG00000020400	0.82661839	4.95430757	0.00839684	0.04489417
ENSMUSG00000014837	0.8265921	2.58482096	0.01460663	0.06860536
ENSMUSG00000096188	0.82656396	4.05198901	0.00927088	0.04869808
ENSMUSG00000047875	0.82652876	2.44689011	0.01588754	0.07321846
ENSMUSG00000024965	0.82613947	6.22045152	0.00768801	0.04204233
ENSMUSG00000028101	0.82589044	3.51658199	0.01087383	0.05482161
ENSMUSG00000074785	0.82545996	7.4278001	0.0074597	0.04100173
ENSMUSG00000049881	0.82539671	3.31007263	0.01219992	0.05988347
ENSMUSG00000045980	0.82413754	1.76315898	0.02418751	0.10102175
ENSMUSG00000072235	0.82333739	5.12779287	0.00852019	0.04535132
ENSMUSG00000035769	0.82333187	2.99347321	0.01289471	0.06246924
ENSMUSG00000005514	0.82309648	4.19294536	0.00978247	0.05074273
ENSMUSG00000032515	0.82223622	4.1091406	0.00975106	0.05067733
ENSMUSG00000023055	0.82215133	2.70900966	0.0152974	0.07092313
ENSMUSG00000029299	0.8221226	2.6752544	0.01455558	0.06845504
ENSMUSG00000019810	0.82140721	5.34327153	0.00844349	0.04504965
ENSMUSG00000094433	0.82098901	5.94677843	0.00813956	0.04382277
ENSMUSG00000031149	0.81989559	4.2164162	0.00995619	0.05146849
ENSMUSG00000003199	0.8195566	3.00961254	0.0137025	0.06529728
ENSMUSG00000019960	0.81943594	4.09072123	0.01018605	0.05230782
ENSMUSG00000042747	0.81941639	5.25091518	0.00874723	0.04644514
ENSMUSG00000042870	0.81923467	2.05177681	0.02062255	0.08971098
ENSMUSG00000021606	0.81907222	3.72382727	0.01100353	0.05526927
ENSMUSG00000022519	0.81876439	3.35205393	0.0120197	0.05930435
ENSMUSG00000038366	0.81847493	6.41899998	0.00820573	0.04413497
ENSMUSG00000041298	0.81761656	2.48423194	0.01507351	0.07020557
ENSMUSG00000022671	0.81759343	1.6628138	0.0262568	0.10701184
ENSMUSG00000037855	0.81748851	3.98954526	0.01046251	0.05332122
ENSMUSG00000028988	0.81667167	1.08711648	0.0421534	0.15117468
ENSMUSG00000021288	0.81628836	5.48022201	0.00881634	0.04674305
ENSMUSG00000006476	0.81613247	3.02094935	0.01413016	0.06683315
ENSMUSG00000029605	0.8159642	3.51718157	0.01217492	0.05985093
ENSMUSG00000017664	0.81593565	3.91174836	0.01082732	0.054715
ENSMUSG00000002489	0.81498957	2.87116048	0.01527477	0.07084865
ENSMUSG00000017167	0.81493175	2.17988126	0.02198922	0.09439956
ENSMUSG00000042570	0.81420462	2.55208161	0.01700374	0.07707791

ENSMUSG0000005267	0.81391744	3.59820239	0.01189925	0.05880911
ENSMUSG00000020747	0.81384109	3.04399944	0.01443192	0.06793269
ENSMUSG00000025144	0.81298063	3.56870923	0.01246662	0.0609429
ENSMUSG00000060586	0.81252155	9.90007712	0.00825054	0.04430966
ENSMUSG00000004207	0.81233724	8.72619953	0.0083149	0.0445444
ENSMUSG00000040061	0.81212671	4.530056	0.01026731	0.05262486
ENSMUSG00000020895	0.81191998	1.54982626	0.0295465	0.11710011
ENSMUSG00000031865	0.81111459	4.46975819	0.01040026	0.05312949
ENSMUSG00000026930	0.81083253	1.78826413	0.0254967	0.10490514
ENSMUSG00000020873	0.81060022	6.81665371	0.00871899	0.046318
ENSMUSG00000038264	0.81002856	5.35249894	0.00930614	0.0488357
ENSMUSG00000003379	0.80965351	7.34641719	0.00869254	0.04620028
ENSMUSG00000006299	0.80953557	5.10124847	0.00977084	0.0507068
ENSMUSG00000022414	0.80913733	2.67261981	0.01678598	0.07621897
ENSMUSG00000023341	0.80907307	4.47070192	0.01036897	0.0530199
ENSMUSG00000036908	0.80904359	6.99977239	0.00879946	0.04668437
ENSMUSG00000096326	0.80753402	4.05342853	0.01143709	0.05710074
ENSMUSG00000055202	0.80704065	1.68978609	0.02876694	0.11476977
ENSMUSG00000002963	0.80653368	3.79271053	0.01216795	0.05985093
ENSMUSG00000046330	0.80641743	7.43632088	0.00895908	0.04734253
ENSMUSG00000048930	0.8062128	2.71469694	0.01678444	0.07621897
ENSMUSG00000059142	0.8052482	4.16621184	0.01128243	0.05640691
ENSMUSG00000024055	0.8042532	1.81234449	0.02435565	0.10148813
ENSMUSG00000034175	0.80256314	1.50006592	0.03454139	0.13166997
ENSMUSG00000020307	0.80241629	4.95157696	0.01045985	0.05332122
ENSMUSG00000086236	0.80213292	2.32673469	0.01970444	0.0864846
ENSMUSG00000059895	0.80145734	5.65069761	0.00998157	0.05155231
ENSMUSG00000096452	0.80122723	1.33850005	0.03671917	0.13746639
ENSMUSG00000036114	0.80060381	2.06899832	0.02318656	0.09821047
ENSMUSG00000030553	0.80050882	1.2522781	0.04761356	0.16447664
ENSMUSG00000073491	0.800497	6.14155507	0.00976303	0.0507068
ENSMUSG00000052384	0.79934601	6.09341173	0.00996057	0.05146849
ENSMUSG00000026895	0.79689031	4.0008695	0.01286226	0.06234005
ENSMUSG00000024050	0.79633451	4.17568453	0.01247862	0.06097391
ENSMUSG00000024952	0.79594267	3.7748157	0.01324261	0.06364352
ENSMUSG00000093906	0.79589842	2.00382327	0.02427486	0.10126889
ENSMUSG00000013833	0.79573071	2.07370473	0.02318656	0.09821047
ENSMUSG00000027907	0.79554104	5.85102234	0.01040948	0.05315145
ENSMUSG00000045252	0.79525975	2.13137162	0.02480434	0.10299961
ENSMUSG00000015478	0.79468085	3.6321724	0.01380605	0.06561674
ENSMUSG00000024516	0.79459412	8.3444863	0.00985091	0.05102411
ENSMUSG00000027381	0.7937191	6.89855141	0.01016523	0.05222574
ENSMUSG00000026471	0.79347839	3.0253387	0.01584449	0.07305128

ENSMUSG00000024194	0.79315343	3.84501639	0.0135279	0.064608
ENSMUSG00000006315	0.7926459	4.98578192	0.01155285	0.05754589
ENSMUSG00000017760	0.79166618	6.46012383	0.01054356	0.05358235
ENSMUSG00000032359	0.79129474	7.80824276	0.01022872	0.0525019
ENSMUSG00000026520	0.79107052	4.19420981	0.01303227	0.06293776
ENSMUSG00000031875	0.79043255	2.71281723	0.01880978	0.08356048
ENSMUSG00000022508	0.79008272	3.51805097	0.01488273	0.06958754
ENSMUSG00000074247	0.79004277	4.06025246	0.01343814	0.06420775
ENSMUSG00000058569	0.78939409	6.50903154	0.01073793	0.05433969
ENSMUSG00000025512	0.78854028	4.83471062	0.01207393	0.05953601
ENSMUSG00000010057	0.78835647	3.02133518	0.01723688	0.07790549
ENSMUSG00000002871	0.78684689	2.38721709	0.02190488	0.09414996
ENSMUSG00000053460	0.78681727	3.31664213	0.01524222	0.07072808
ENSMUSG00000003549	0.78627786	2.0034938	0.02697574	0.10944558
ENSMUSG00000096649	0.78511224	1.36694221	0.03047868	0.1199132
ENSMUSG00000024963	0.78323676	0.73559299	0.05909183	0.18954381
ENSMUSG00000020097	0.7827692	8.22605729	0.01100285	0.05526927
ENSMUSG00000024941	0.7826095	4.12493762	0.01374059	0.06540494
ENSMUSG00000062997	0.78221215	6.25127878	0.01167271	0.05792846
ENSMUSG00000051403	0.78171134	2.11717456	0.02575854	0.10557966
ENSMUSG00000024858	0.78057491	8.34835504	0.01121602	0.05617908
ENSMUSG00000004054	0.7796608	2.41848791	0.02331656	0.09856962
ENSMUSG00000047767	0.77913516	2.71296066	0.02083214	0.09051322
ENSMUSG00000025534	0.77908205	6.89698525	0.01163784	0.05780858
ENSMUSG00000022575	0.77900426	4.3129748	0.01415927	0.06692635
ENSMUSG00000076576	0.77733667	6.10644111	0.0121304	0.05975981
ENSMUSG00000030946	0.77700992	2.64032911	0.02178265	0.09369928
ENSMUSG00000021990	0.77681939	5.10716572	0.01275145	0.06199803
ENSMUSG00000091144	0.77676514	4.69857394	0.01340117	0.06408788
ENSMUSG00000027198	0.7758875	4.91506403	0.01336611	0.06407728
ENSMUSG00000031570	0.77585668	4.51603189	0.01379329	0.06558504
ENSMUSG00000013846	0.7745205	6.06615432	0.012449	0.06091199
ENSMUSG00000049922	0.77448037	4.70790782	0.01400845	0.06637668
ENSMUSG00000021756	0.77358179	5.91691306	0.01260159	0.06149117
ENSMUSG00000032436	0.77284418	3.92176672	0.01605595	0.07378467
ENSMUSG00000034105	0.77265827	1.75310033	0.03877407	0.1424439
ENSMUSG00000051169	0.77193265	1.42988986	0.04069891	0.14772703
ENSMUSG00000070003	0.77123026	0.84044385	0.06562718	0.20357165
ENSMUSG00000000682	0.77063253	9.17447579	0.01221622	0.05993618
ENSMUSG00000036845	0.77048258	3.12786013	0.01907058	0.08445878
ENSMUSG00000022372	0.76990343	6.39060662	0.01283837	0.06225913
ENSMUSG00000032300	0.76967557	6.21368328	0.01293406	0.06263175
ENSMUSG00000019370	0.76951835	7.00833113	0.01266398	0.06168397

ENSMUSG0000002111	0.7694607	3.68664781	0.01738876	0.07846039
ENSMUSG00000033721	0.76936589	3.92727074	0.01605829	0.07378467
ENSMUSG00000000532	0.76852068	3.98014405	0.01591292	0.0732728
ENSMUSG00000036646	0.76704566	6.85483646	0.0129969	0.06279504
ENSMUSG00000024830	0.76699071	3.9223942	0.01630538	0.07460214
ENSMUSG00000000078	0.76678642	6.03365036	0.01335235	0.06405328
ENSMUSG00000026639	0.76675089	1.25179936	0.04939769	0.16875896
ENSMUSG00000030062	0.76640966	8.87900742	0.01271215	0.06186276
ENSMUSG00000020823	0.76559232	4.51939001	0.015208	0.07059969
ENSMUSG00000017721	0.76504679	5.65703987	0.01392878	0.06610229
ENSMUSG00000022433	0.76480957	4.03996462	0.01616181	0.07413399
ENSMUSG00000002968	0.76462534	2.9188457	0.02211728	0.09476074
ENSMUSG00000076594	0.76444396	3.39301548	0.01973209	0.08657073
ENSMUSG00000027438	0.7641871	1.13792133	0.05083207	0.17194888
ENSMUSG00000019838	0.76386405	4.02807083	0.01662939	0.07573112
ENSMUSG00000013646	0.76247849	3.23715708	0.01996256	0.08743826
ENSMUSG00000039952	0.76227303	3.99250154	0.01712738	0.07749729
ENSMUSG00000007570	0.76219478	1.33268686	0.04620943	0.16116511
ENSMUSG00000034371	0.7618418	1.69012995	0.04062819	0.14761939
ENSMUSG00000043592	0.76170908	2.15801649	0.02787481	0.11187269
ENSMUSG00000035919	0.76164195	4.18503089	0.01639727	0.07489543
ENSMUSG00000037946	0.76128745	4.68617408	0.01547549	0.07165638
ENSMUSG00000024349	0.76084811	7.52885712	0.01355886	0.06469854
ENSMUSG00000023990	0.7606718	2.73428038	0.02393099	0.10030766
ENSMUSG00000089682	0.75975553	4.74755546	0.01551305	0.07175967
ENSMUSG00000038587	0.75937219	4.04388226	0.01726417	0.07799616
ENSMUSG00000018669	0.75798068	4.46540255	0.01651786	0.0752868
ENSMUSG00000019982	0.75735106	4.46052203	0.01675406	0.07613811
ENSMUSG00000004947	0.75647029	2.59103688	0.02593578	0.10602407
ENSMUSG00000027642	0.75644158	8.5750623	0.01393272	0.06610229
ENSMUSG00000040482	0.75626961	2.32313468	0.03008679	0.11881151
ENSMUSG00000058886	0.75610212	2.56080279	0.02746358	0.11088255
ENSMUSG00000078440	0.75589835	2.23278812	0.02813408	0.11270353
ENSMUSG00000028613	0.75578252	5.37650607	0.01519618	0.07058505
ENSMUSG00000020778	0.75564912	2.9774821	0.02375885	0.099928
ENSMUSG00000080268	0.75535497	3.72889486	0.01904113	0.08436299
ENSMUSG00000020381	0.75491939	1.50573619	0.05095939	0.17222166
ENSMUSG00000024462	0.75485474	4.65667524	0.01655576	0.07542767
ENSMUSG00000045826	0.75412877	4.79804681	0.01649522	0.07521542
ENSMUSG00000076731	0.75389007	4.99561922	0.0159078	0.0732728
ENSMUSG00000042363	0.75368192	3.50011574	0.01962182	0.08619214
ENSMUSG00000031146	0.75315977	6.01578793	0.0151983	0.07058505
ENSMUSG00000026480	0.7531181	6.0693909	0.01513814	0.07039658

ENSMUSG0000003623	0.75308447	4.96294054	0.01610765	0.07394162
ENSMUSG0000003458	0.75302447	6.6452507	0.01480045	0.06936466
ENSMUSG00000033949	0.75230059	2.14995151	0.03297677	0.1271439
ENSMUSG00000029386	0.75106064	0.99903009	0.06543	0.20328353
ENSMUSG00000094491	0.75081185	2.47895544	0.03218606	0.12503404
ENSMUSG00000025578	0.75047843	1.03044283	0.05731495	0.18558753
ENSMUSG00000038271	0.75031474	3.26133274	0.02217559	0.09497284
ENSMUSG00000073421	0.74885104	9.83869888	0.01481447	0.06940017
ENSMUSG00000041801	0.74878544	2.91738966	0.02549124	0.10490514
ENSMUSG00000007721	0.74826526	1.39858227	0.05606787	0.18333412
ENSMUSG00000032041	0.74797816	4.36309459	0.01775578	0.07958366
ENSMUSG00000038520	0.7479668	2.94922777	0.02552712	0.10499025
ENSMUSG00000028458	0.74692133	1.95290917	0.03373182	0.12926936
ENSMUSG00000027222	0.74679773	2.01148764	0.03821296	0.14127138
ENSMUSG00000049288	0.74604449	1.33630475	0.04463164	0.15713601
ENSMUSG00000046822	0.74552962	1.71115129	0.04608163	0.16090254
ENSMUSG00000028465	0.74529454	7.64596833	0.01552121	0.07175967
ENSMUSG00000018340	0.74517149	6.72338343	0.01583682	0.07304718
ENSMUSG00000084314	0.74484211	0.96104829	0.06846311	0.20814947
ENSMUSG00000020712	0.74383217	1.32987386	0.05390766	0.1788189
ENSMUSG00000017400	0.74377254	3.31496285	0.02347548	0.09900648
ENSMUSG00000024180	0.74367423	2.48895694	0.02984361	0.11806069
ENSMUSG00000012296	0.74341543	2.92326676	0.02549124	0.10490514
ENSMUSG00000058881	0.74326713	2.72474367	0.02641679	0.1075014
ENSMUSG00000031266	0.74317352	3.58787453	0.02094139	0.0908797
ENSMUSG00000022559	0.74317337	2.50081579	0.03168241	0.12356714
ENSMUSG00000024236	0.74296887	4.63346752	0.01790933	0.08010545
ENSMUSG00000031823	0.74248428	4.05794867	0.019633	0.08620613
ENSMUSG00000032733	0.74219356	2.4522779	0.03059004	0.12021976
ENSMUSG00000041164	0.74204839	5.90073232	0.01674636	0.07613811
ENSMUSG00000024038	0.74144028	4.19170007	0.01990441	0.08722029
ENSMUSG00000028803	0.74112924	4.1368512	0.0196176	0.08619214
ENSMUSG00000022231	0.74046433	0.73107853	0.08034886	0.2314322
ENSMUSG00000073434	0.73849196	3.37955617	0.02281793	0.09703018
ENSMUSG00000095771	0.73812318	6.72559982	0.01681979	0.07634033
ENSMUSG00000074406	0.73786374	0.6914629	0.09922792	0.26511467
ENSMUSG00000060538	0.73753112	2.91688274	0.02748087	0.11091081
ENSMUSG00000020496	0.7374128	6.14494939	0.01729815	0.07811694
ENSMUSG00000038286	0.73721479	2.77314595	0.02765466	0.11132061
ENSMUSG00000029401	0.73720411	5.84035939	0.01761962	0.07927794
ENSMUSG00000063904	0.73683733	5.73121982	0.01769579	0.07954621
ENSMUSG00000022550	0.73632509	1.51493189	0.05636402	0.18407083
ENSMUSG00000029403	0.7359201	1.53958724	0.04478633	0.15757774

ENSMUSG00000015127	0.73559087	4.59163359	0.01932395	0.08526572
ENSMUSG00000028480	0.73517003	5.94034941	0.01773767	0.07958366
ENSMUSG00000030682	0.73468957	5.37117125	0.01841344	0.08205392
ENSMUSG00000010607	0.7346772	0.9632558	0.07485105	0.22088169
ENSMUSG00000040713	0.73453837	4.8180336	0.01918964	0.08477715
ENSMUSG00000004929	0.73431543	3.72489761	0.02336149	0.09871878
ENSMUSG00000039427	0.7342156	3.73620233	0.02252997	0.09595704
ENSMUSG00000057672	0.73379864	5.32787955	0.01865466	0.08302595
ENSMUSG00000037103	0.73366266	4.01196225	0.02118112	0.0915133
ENSMUSG00000022210	0.73364945	4.3043898	0.02047402	0.08917278
ENSMUSG00000094872	0.73328553	5.95281372	0.01791957	0.08011802
ENSMUSG00000006333	0.73321319	8.05009996	0.01721306	0.07783046
ENSMUSG00000038059	0.7327242	3.78377454	0.0220725	0.09464408
ENSMUSG00000019820	0.73229579	4.85145157	0.0190896	0.0845083
ENSMUSG00000024219	0.73186399	2.52721645	0.03090736	0.12115774
ENSMUSG00000038150	0.73178045	3.62684501	0.02320368	0.09822804
ENSMUSG00000028670	0.7312516	3.34543909	0.02504797	0.1038114
ENSMUSG00000059734	0.73101737	4.55865156	0.02096306	0.09089891
ENSMUSG00000023939	0.73062275	1.71305549	0.04200967	0.15088051
ENSMUSG00000030802	0.73061985	4.84137235	0.01997459	0.08743826
ENSMUSG00000094335	0.7303543	6.8847265	0.01786654	0.07998038
ENSMUSG00000026482	0.73002897	3.1273361	0.02706138	0.10975174
ENSMUSG00000026158	0.7296681	5.24871943	0.01917173	0.08475981
ENSMUSG00000079523	0.7294595	6.88921764	0.01808408	0.08068625
ENSMUSG00000063856	0.72932921	5.88647288	0.01884693	0.08367446
ENSMUSG00000092486	0.72925894	3.36771964	0.02434136	0.10146781
ENSMUSG00000002731	0.72911994	2.41320332	0.03138657	0.12267952
ENSMUSG00000025130	0.72869865	9.18794405	0.01773454	0.07958366
ENSMUSG00000002778	0.7286784	5.93919707	0.01876907	0.08343184
ENSMUSG00000029346	0.72865055	2.18590977	0.03829479	0.1414769
ENSMUSG00000025790	0.72856176	4.72529404	0.02042056	0.08897587
ENSMUSG00000024065	0.72746801	4.03485308	0.02237761	0.09557488
ENSMUSG00000052302	0.72746157	4.90600163	0.02032602	0.08870734
ENSMUSG00000024525	0.72712631	2.98499156	0.02839879	0.11355305
ENSMUSG00000070394	0.72688076	4.24118089	0.02202818	0.09449161
ENSMUSG00000060791	0.72637556	5.87957545	0.01917785	0.08475981
ENSMUSG00000006720	0.72617053	1.12224399	0.06787492	0.2070358
ENSMUSG00000025730	0.72586191	2.70950227	0.03111451	0.12179268
ENSMUSG00000096145	0.72551949	2.32351606	0.03815704	0.14115106
ENSMUSG00000007036	0.72536106	2.64904446	0.03191286	0.1241516
ENSMUSG00000024137	0.72526322	2.38254206	0.03867728	0.14230496
ENSMUSG00000049516	0.72522654	6.70436888	0.01881351	0.08356048
ENSMUSG00000022570	0.7251393	3.7380097	0.02420331	0.1010486

ENSMUSG00000031787	0.72507514	2.61790517	0.032669	0.12627329
ENSMUSG00000097715	0.72504705	1.47109553	0.05629822	0.18397278
ENSMUSG00000052534	0.72470984	1.26240376	0.05361809	0.17813232
ENSMUSG00000026663	0.72360433	7.77162234	0.01872994	0.08329224
ENSMUSG00000095497	0.72356863	3.48656858	0.02524701	0.10443564
ENSMUSG00000025381	0.72315215	4.91774838	0.02104404	0.09110356
ENSMUSG00000010047	0.72301188	1.30526628	0.06479537	0.20206863
ENSMUSG00000002372	0.7228323	4.80344917	0.02121383	0.09161792
ENSMUSG00000028672	0.72260675	4.33405273	0.02246657	0.09576263
ENSMUSG00000086513	0.7225786	1.29163627	0.0478744	0.16517178
ENSMUSG00000064030	0.72214259	3.72341586	0.02484308	0.10312078
ENSMUSG00000096472	0.72169158	3.3229056	0.02685601	0.10904188
ENSMUSG00000023206	0.72156649	3.69324762	0.02446073	0.10184731
ENSMUSG00000034868	0.72154693	5.02274915	0.02108774	0.09121949
ENSMUSG00000063897	0.72083885	1.30443947	0.06973086	0.21033782
ENSMUSG00000026426	0.72062648	4.65034594	0.02194057	0.09426576
ENSMUSG00000004667	0.72025418	3.91052104	0.02549148	0.10490514
ENSMUSG00000039483	0.72022108	2.57507604	0.03329611	0.1281085
ENSMUSG00000035027	0.71966088	4.06948982	0.02366294	0.09960231
ENSMUSG00000028822	0.71953464	5.3989766	0.02095521	0.09089891
ENSMUSG00000028164	0.71921714	5.22263996	0.02112191	0.09133065
ENSMUSG00000067714	0.71906243	0.99635945	0.08124659	0.23296018
ENSMUSG00000028969	0.71873429	3.40569399	0.02710328	0.10988035
ENSMUSG00000006095	0.71842692	4.3626887	0.02316129	0.09818056
ENSMUSG00000039637	0.71778656	5.27403359	0.02135046	0.09203441
ENSMUSG00000022193	0.71775173	4.86445683	0.02227642	0.09521558
ENSMUSG00000044937	0.71729718	2.56281558	0.03262066	0.12613164
ENSMUSG00000028158	0.71700533	2.71091411	0.0344583	0.1314747
ENSMUSG00000028439	0.7168347	2.39059223	0.03653629	0.13714145
ENSMUSG00000000290	0.71496468	6.40867291	0.02072527	0.09008519
ENSMUSG00000020964	0.71420054	8.11878027	0.02022841	0.08835285
ENSMUSG00000042492	0.71412593	5.24854653	0.02208751	0.09467078
ENSMUSG00000036529	0.7140891	5.32993617	0.02195153	0.0942753
ENSMUSG00000090946	0.71345204	6.23912143	0.021077	0.09120961
ENSMUSG00000024845	0.71340903	5.70366814	0.02162294	0.0930494
ENSMUSG00000032462	0.7133107	3.02594811	0.0289806	0.11540873
ENSMUSG00000046574	0.71249578	2.15342238	0.04258961	0.15223279
ENSMUSG00000028737	0.71114845	2.83926533	0.03229723	0.12537558
ENSMUSG00000031879	0.71114823	3.02947477	0.03235899	0.12556037
ENSMUSG00000047881	0.71105733	2.99826345	0.03245636	0.12563151
ENSMUSG00000028641	0.71093702	2.66989588	0.03447156	0.1314747
ENSMUSG00000036553	0.71056251	2.1320332	0.04552354	0.15954691
ENSMUSG00000036985	0.71028506	4.37885683	0.02494523	0.10350494

ENSMUSG00000024851	0.7101042	4.60871769	0.02409959	0.10073254
ENSMUSG00000003402	0.70977368	5.70091972	0.02239515	0.09557488
ENSMUSG000000050556	0.70966651	1.39455827	0.06914806	0.20952308
ENSMUSG000000051427	0.70965673	2.28360687	0.04108737	0.14863677
ENSMUSG000000057375	0.70958328	5.13218749	0.0231355	0.09810981
ENSMUSG00000005686	0.70901327	1.90719131	0.04268293	0.15251582
ENSMUSG000000037375	0.70876901	1.29577243	0.05796612	0.1866547
ENSMUSG000000031202	0.70863456	2.23803417	0.03980826	0.1454242
ENSMUSG000000017188	0.70849257	4.11052979	0.02637899	0.10738809
ENSMUSG00000002981	0.70808706	6.66349249	0.02184094	0.09391257
ENSMUSG000000020396	0.707241	4.3183305	0.02548172	0.10490514
ENSMUSG000000021676	0.70706021	3.60145656	0.02822671	0.11299067
ENSMUSG000000078546	0.70698367	2.4097454	0.0383433	0.14160758
ENSMUSG000000024158	0.70678115	2.56077496	0.0370223	0.13814827
ENSMUSG000000025791	0.70665846	4.86736238	0.02405784	0.10059704
ENSMUSG000000042810	0.70558619	2.74147504	0.03767962	0.13992323
ENSMUSG000000005442	0.70554283	4.71089671	0.02515387	0.1041326
ENSMUSG000000032593	0.70500019	1.77436856	0.04789045	0.16517178
ENSMUSG000000054874	0.70477168	3.99660636	0.02713898	0.10990531
ENSMUSG000000059713	0.70474905	4.35027263	0.02597347	0.1060977
ENSMUSG000000031782	0.70466656	4.04816954	0.02714001	0.10990531
ENSMUSG000000036966	0.70451586	3.75705026	0.02905879	0.11559202
ENSMUSG000000037321	0.70387449	7.77135182	0.02219158	0.09497868
ENSMUSG000000031822	0.70361638	4.19122855	0.02648416	0.10769424
ENSMUSG000000023952	0.70341211	5.34909512	0.02391197	0.10030766
ENSMUSG000000048264	0.70285358	3.77070819	0.02784492	0.11179434
ENSMUSG000000026307	0.70161013	4.11174052	0.0272814	0.11039497
ENSMUSG000000027009	0.70145884	7.56433243	0.02264955	0.09642824
ENSMUSG000000055675	0.70125166	3.7681155	0.02784492	0.11179434
ENSMUSG000000025058	0.70122452	5.15494773	0.0246672	0.10250908
ENSMUSG000000079677	0.70110822	3.44583471	0.03070056	0.12048851
ENSMUSG000000022900	0.70102022	2.12674682	0.04050686	0.14732747
ENSMUSG000000034341	0.70086912	5.36886991	0.02448285	0.10189666
ENSMUSG000000036594	0.70046773	10.7972663	0.02250355	0.09588236
ENSMUSG000000038375	0.70033719	4.71283182	0.0257744	0.10560454
ENSMUSG000000050856	0.69996373	5.00630546	0.02548555	0.10490514
ENSMUSG000000031848	0.69926189	3.91721633	0.02894644	0.11531525
ENSMUSG000000029136	0.69924317	2.09229947	0.046375	0.16169027
ENSMUSG000000021809	0.69905645	2.57433882	0.03849821	0.14198518
ENSMUSG000000036986	0.69898718	7.7467202	0.02312691	0.09810981
ENSMUSG000000042558	0.69886675	3.01695038	0.03634804	0.13648232
ENSMUSG000000038241	0.69759001	5.10767051	0.02541513	0.10488967
ENSMUSG000000050721	0.69726263	6.76751645	0.02387358	0.10029323

ENSMUSG00000023094	0.69692322	2.44630911	0.04254795	0.15217163
ENSMUSG00000022841	0.69626709	7.3968627	0.02378568	0.10000184
ENSMUSG00000021484	0.69522671	6.89005209	0.02423988	0.10116211
ENSMUSG00000023904	0.69516622	1.83446458	0.05388285	0.1788189
ENSMUSG00000040570	0.69509151	3.34856451	0.03146083	0.1228807
ENSMUSG00000056214	0.69386385	2.40703059	0.0430256	0.15338448
ENSMUSG00000029551	0.69360001	1.86987276	0.05114901	0.17269598
ENSMUSG00000037679	0.69318649	5.25359939	0.02643757	0.10754535
ENSMUSG00000030790	0.69202729	3.2585811	0.03438444	0.13127884
ENSMUSG00000024792	0.69139791	1.97048867	0.05030698	0.17063717
ENSMUSG00000033857	0.69069758	1.4459939	0.07121124	0.21309275
ENSMUSG00000011832	0.69036504	2.61488863	0.04101844	0.14848702
ENSMUSG00000059555	0.69009127	4.11972257	0.0296748	0.11743596
ENSMUSG00000050930	0.68914067	2.09012073	0.04316355	0.1537238
ENSMUSG00000061286	0.68853088	2.00450195	0.05566163	0.18241079
ENSMUSG00000018899	0.68829165	6.20384451	0.02607169	0.10645033
ENSMUSG00000022769	0.68803578	6.71877849	0.02582592	0.10573529
ENSMUSG00000042182	0.68769849	1.1470679	0.0651331	0.20271151
ENSMUSG00000028337	0.68748008	7.94108795	0.02541183	0.10488967
ENSMUSG00000028073	0.68737271	2.46500216	0.04341153	0.15439602
ENSMUSG00000014444	0.68709807	5.3690352	0.02731204	0.11041356
ENSMUSG00000036534	0.68708636	3.27418196	0.03492693	0.13268407
ENSMUSG00000047777	0.68544698	3.3956544	0.03483149	0.13240141
ENSMUSG00000056290	0.68542815	4.16231852	0.03010671	0.11883996
ENSMUSG00000038991	0.68421539	7.28928126	0.02633021	0.10723
ENSMUSG00000033938	0.68372367	3.27458514	0.03909148	0.14336876
ENSMUSG00000022568	0.68251537	3.97037725	0.03329823	0.1281085
ENSMUSG00000002064	0.68238828	4.63118553	0.03006752	0.11881151
ENSMUSG00000036372	0.68188705	5.89343627	0.02790083	0.11193545
ENSMUSG00000029029	0.68155085	2.99174692	0.04241693	0.15186725
ENSMUSG00000079491	0.68125536	4.45436319	0.03114449	0.12186581
ENSMUSG00000045394	0.68124221	2.07189408	0.04189091	0.15058385
ENSMUSG00000019689	0.68095367	1.61440636	0.06793782	0.2071364
ENSMUSG00000032089	0.68041795	6.53935407	0.0275862	0.11116949
ENSMUSG00000028744	0.68026851	2.34866899	0.0498824	0.16974813
ENSMUSG00000076525	0.68000975	2.17469187	0.05354668	0.17800474
ENSMUSG00000015095	0.67999058	4.11486293	0.03308442	0.12746782
ENSMUSG00000019659	0.67991427	3.65101538	0.03576628	0.13505027
ENSMUSG00000020744	0.67988447	6.89823639	0.02746185	0.11088255
ENSMUSG00000050075	0.67941661	6.3386597	0.02792767	0.11200148
ENSMUSG00000089901	0.679095	1.0392717	0.09441917	0.25764583
ENSMUSG00000031521	0.67909089	3.50133748	0.03608858	0.13593408
ENSMUSG00000022946	0.67864795	3.64525237	0.03447797	0.1314747

ENSMUSG00000037573	0.67814572	3.13461077	0.03909936	0.14336876
ENSMUSG00000027649	0.67791324	5.21570877	0.03008849	0.11881151
ENSMUSG00000037816	0.67747262	3.01841407	0.03941769	0.14433967
ENSMUSG00000097403	0.67690894	0.9347177	0.0893022	0.24775788
ENSMUSG00000002058	0.67685518	3.01040599	0.04092913	0.14821348
ENSMUSG00000027580	0.67655001	8.1948146	0.02773107	0.11151099
ENSMUSG00000098557	0.67615829	6.558602	0.02837483	0.11349933
ENSMUSG00000025429	0.67598218	0.84269182	0.09973448	0.26585318
ENSMUSG00000046598	0.6755469	4.37255786	0.03300951	0.12722465
ENSMUSG00000042303	0.67497759	2.56256524	0.04738884	0.16395292
ENSMUSG00000025823	0.67444126	9.76996281	0.02802082	0.11229155
ENSMUSG00000075701	0.67431615	6.71381941	0.0288976	0.11516324
ENSMUSG00000016933	0.67401843	4.48949068	0.03209043	0.12470745
ENSMUSG00000037949	0.67390805	4.51190311	0.03255974	0.12598645
ENSMUSG00000026858	0.67350702	2.93076504	0.04185504	0.15050508
ENSMUSG00000021234	0.67342992	1.04425749	0.08387971	0.23854399
ENSMUSG00000028830	0.6731773	4.97585653	0.03147563	0.12289399
ENSMUSG00000001029	0.67315914	3.80425417	0.03690021	0.137979
ENSMUSG00000022125	0.67176825	6.82774879	0.02936776	0.11652019
ENSMUSG00000034247	0.67160049	5.34007324	0.03098686	0.12138113
ENSMUSG00000039254	0.6706088	3.60047787	0.0385416	0.14209402
ENSMUSG00000036928	0.6705958	2.15614527	0.04787675	0.16517178
ENSMUSG00000026390	0.67013274	0.75726219	0.06912932	0.20952308
ENSMUSG00000026873	0.67009772	5.20750904	0.03176452	0.12363548
ENSMUSG00000076569	0.66990203	5.88192666	0.03061398	0.12027001
ENSMUSG00000001729	0.66982877	5.98676834	0.03065383	0.1203827
ENSMUSG00000013787	0.6689901	5.44973612	0.03164567	0.12346847
ENSMUSG00000014294	0.66881001	3.67103919	0.03857901	0.14209402
ENSMUSG00000024867	0.66861215	2.26930165	0.05716075	0.18533207
ENSMUSG00000016526	0.66860158	2.45223449	0.04943912	0.16875896
ENSMUSG00000025793	0.66739231	4.07604564	0.03672484	0.13746639
ENSMUSG00000001120	0.66666316	2.27926278	0.05489713	0.18060119
ENSMUSG00000028962	0.66665149	3.76765608	0.03859611	0.14210326
ENSMUSG00000026972	0.6665671	3.78350076	0.03786006	0.14036452
ENSMUSG00000098318	0.66603181	2.77621029	0.0478943	0.16517178
ENSMUSG00000020261	0.66526026	3.77609922	0.03839028	0.14168404
ENSMUSG00000031504	0.66514365	2.05616186	0.06117147	0.19413571
ENSMUSG00000010362	0.66493226	2.6944826	0.0481715	0.16586252
ENSMUSG00000050552	0.66485073	2.22270627	0.05957804	0.19070633
ENSMUSG00000094902	0.66468652	2.71827415	0.04541712	0.15922569
ENSMUSG00000029449	0.6643651	5.58785854	0.03245614	0.12563151
ENSMUSG00000004610	0.66415409	4.14196154	0.03696836	0.13799473
ENSMUSG00000047139	0.66348373	8.96096809	0.03070312	0.12048851

ENSMUSG00000026433	0.66337931	4.02567773	0.03718154	0.13850284
ENSMUSG00000097755	0.66325973	2.44492001	0.05031771	0.17063717
ENSMUSG00000039377	0.66238012	0.76246297	0.12166692	0.30217782
ENSMUSG00000039308	0.66226428	4.34962677	0.0361123	0.13597593
ENSMUSG00000076652	0.6619461	5.21282654	0.03334503	0.12823817
ENSMUSG00000042275	0.66188776	3.17666499	0.04340161	0.15439602
ENSMUSG00000017639	0.66167147	2.23562648	0.05038575	0.17070686
ENSMUSG00000000594	0.66134372	6.72811683	0.03206476	0.12465262
ENSMUSG00000069633	0.66113727	1.01316924	0.09193652	0.2531776
ENSMUSG00000062638	0.66097144	2.13975411	0.0596693	0.19071538
ENSMUSG00000004460	0.66096423	8.4824796	0.03145046	0.1228807
ENSMUSG00000068580	0.65967331	3.22636595	0.04528289	0.1588956
ENSMUSG00000047557	0.65905459	2.75849638	0.0492777	0.16859478
ENSMUSG00000009076	0.65889122	2.07911845	0.06840648	0.20809463
ENSMUSG00000098274	0.65886338	5.18377581	0.03482574	0.13240141
ENSMUSG00000054404	0.65884022	6.99721742	0.03242647	0.12563151
ENSMUSG00000035781	0.65872379	4.31570874	0.03714023	0.13839676
ENSMUSG00000047921	0.65827819	3.3861752	0.04360826	0.15487371
ENSMUSG00000070000	0.65780883	4.68013936	0.03631993	0.13647182
ENSMUSG00000003581	0.65770525	3.3004556	0.04386395	0.15544819
ENSMUSG00000095700	0.65758658	4.39614027	0.0362432	0.13623099
ENSMUSG00000040952	0.65747951	7.38534083	0.03273443	0.12643555
ENSMUSG00000030400	0.65738026	3.85984867	0.0398259	0.14543938
ENSMUSG00000068328	0.65545157	5.94468993	0.03437342	0.13127884
ENSMUSG00000078695	0.65507157	3.35388005	0.04382871	0.15537435
ENSMUSG00000024018	0.65436857	3.45347256	0.04415326	0.15599781
ENSMUSG00000006215	0.65404311	2.98780737	0.04707966	0.16324985
ENSMUSG00000030695	0.6537399	8.27338167	0.03341652	0.12833465
ENSMUSG00000029547	0.65310988	3.87311648	0.04238389	0.15179934
ENSMUSG00000069893	0.65305667	3.94806817	0.04068398	0.14772259
ENSMUSG00000026047	0.65230729	4.22510129	0.03995792	0.1457241
ENSMUSG00000000823	0.65229078	5.10965234	0.03677858	0.13757205
ENSMUSG00000022856	0.65118984	2.80626073	0.05096062	0.17222166
ENSMUSG00000020776	0.65114947	3.43499637	0.04397686	0.15560886
ENSMUSG00000043289	0.65101105	0.88048481	0.09856082	0.2645296
ENSMUSG00000087150	0.65094164	2.60408357	0.05098091	0.17223626
ENSMUSG00000024121	0.64995278	5.79722047	0.036201	0.13616728
ENSMUSG00000032120	0.64992405	2.68208887	0.05630864	0.18397278
ENSMUSG00000025575	0.64971652	4.87859953	0.03806739	0.14092643
ENSMUSG00000022912	0.6495204	3.56548754	0.044595	0.15710961
ENSMUSG00000041354	0.64923956	3.23652014	0.04689757	0.16290199
ENSMUSG00000018167	0.64901122	3.40237526	0.04645924	0.16193162
ENSMUSG00000041037	0.6485125	4.79162938	0.03837835	0.14168404

ENSMUSG00000025277	0.64816147	3.38017744	0.0467962	0.16268542
ENSMUSG00000029465	0.64783788	7.09956842	0.03551035	0.13427196
ENSMUSG00000049086	0.64770429	1.30956701	0.08606319	0.24245178
ENSMUSG00000032594	0.64750458	5.94573597	0.03662376	0.13731706
ENSMUSG00000041161	0.64674073	1.42249793	0.10172002	0.26938819
ENSMUSG00000033379	0.64645832	5.5716755	0.0375879	0.13963069
ENSMUSG00000007038	0.64623829	4.50267306	0.04044589	0.14724832
ENSMUSG00000026509	0.64428798	5.6521279	0.03780538	0.14029359
ENSMUSG00000037706	0.64427641	6.3963745	0.03696407	0.13799473
ENSMUSG00000024847	0.64399219	3.63581892	0.04700297	0.16308881
ENSMUSG00000028460	0.643966	1.30804344	0.10196525	0.26972713
ENSMUSG00000018861	0.64266189	1.65263026	0.08528771	0.2411305
ENSMUSG00000024561	0.64235464	5.53135681	0.03876663	0.1424439
ENSMUSG00000019054	0.64222011	4.59636148	0.04131138	0.14924687
ENSMUSG00000040365	0.64184635	4.13511858	0.04311958	0.15361794
ENSMUSG00000003814	0.64091981	11.3107756	0.03664807	0.13732202
ENSMUSG00000001105	0.64048392	4.24371989	0.04297946	0.1533721
ENSMUSG00000024354	0.63934479	1.45314493	0.0734816	0.21799877
ENSMUSG00000043439	0.63929924	2.90945926	0.0556464	0.18241079
ENSMUSG00000035382	0.63920059	4.69552963	0.04236106	0.15179934
ENSMUSG00000022500	0.63884899	5.07544342	0.04089089	0.14821348
ENSMUSG00000032606	0.63872248	3.29791579	0.05037203	0.17070686
ENSMUSG00000029033	0.63872044	3.2232377	0.05173898	0.17376303
ENSMUSG00000097906	0.63830458	1.24809675	0.09698896	0.26141689
ENSMUSG00000002103	0.63827289	2.98280396	0.05430446	0.17941768
ENSMUSG00000055041	0.63779596	2.20607607	0.07030826	0.21137559
ENSMUSG00000002763	0.6376952	2.89449682	0.0571567	0.18533207
ENSMUSG00000068290	0.63706217	4.41235095	0.04361568	0.15487371
ENSMUSG00000005142	0.63697869	6.27576498	0.039283	0.14394424
ENSMUSG00000024381	0.63685619	5.95347869	0.03969561	0.14514896
ENSMUSG00000004788	0.63680229	4.89515048	0.0423759	0.15179934
ENSMUSG00000079553	0.63676573	3.93776793	0.04732371	0.16388531
ENSMUSG00000042046	0.63597744	3.8142431	0.04660565	0.1623283
ENSMUSG00000034994	0.6359546	10.3151564	0.03816733	0.14115106
ENSMUSG00000028684	0.63568958	3.67991685	0.04925241	0.16856171
ENSMUSG00000076589	0.63564729	1.75950414	0.09216308	0.25334863
ENSMUSG00000039763	0.63562116	1.44862655	0.08085968	0.2322717
ENSMUSG00000013076	0.63426215	1.81600515	0.07608447	0.22306197
ENSMUSG00000034035	0.63413502	2.23156704	0.06593525	0.20397181
ENSMUSG00000035585	0.63410463	1.50869821	0.09633503	0.26025491
ENSMUSG00000001424	0.63390846	7.68704237	0.03928166	0.14394424
ENSMUSG00000021482	0.63382731	3.2611814	0.05299089	0.17659263
ENSMUSG00000016495	0.63361632	5.86534177	0.04077294	0.14794595

ENSMUSG00000023707	0.63353345	2.27637316	0.0657353	0.20376244
ENSMUSG00000028917	0.63343812	3.24880648	0.05125391	0.17288776
ENSMUSG00000024579	0.63312685	2.31598979	0.06939579	0.20989911
ENSMUSG00000026820	0.6313876	2.18007419	0.07656987	0.22404193
ENSMUSG00000031156	0.63132943	3.83463736	0.04884597	0.1674364
ENSMUSG00000054723	0.63043035	2.37363462	0.06518124	0.20280278
ENSMUSG00000032562	0.62986011	7.7299777	0.04054771	0.14742632
ENSMUSG00000031166	0.62980351	4.42116571	0.04571324	0.15995183
ENSMUSG00000020198	0.62978715	6.34496411	0.04150069	0.14971174
ENSMUSG00000038000	0.62953166	3.95868687	0.04809189	0.16569422
ENSMUSG00000030082	0.62940465	8.40378772	0.04044418	0.14724832
ENSMUSG00000002812	0.62916416	6.33489462	0.04169438	0.15017775
ENSMUSG00000019470	0.6284681	4.81254919	0.04504019	0.15826438
ENSMUSG00000097709	0.62816839	1.45207344	0.09457265	0.25780371
ENSMUSG00000035849	0.62815334	3.69177137	0.05010975	0.17030681
ENSMUSG00000041439	0.62768732	4.20645913	0.04738267	0.16395292
ENSMUSG00000025188	0.62712165	3.08132313	0.05779581	0.18637397
ENSMUSG00000022761	0.62712016	4.80361019	0.04558259	0.15959828
ENSMUSG00000027951	0.62593123	7.83132638	0.04171419	0.15019895
ENSMUSG00000036748	0.62580098	4.03589807	0.04975245	0.16946632
ENSMUSG00000039774	0.6251846	3.52672412	0.05307921	0.17677771
ENSMUSG00000046658	0.62467894	1.11343881	0.10456715	0.27462676
ENSMUSG00000035674	0.62401816	4.74994151	0.04732262	0.16388531
ENSMUSG00000032932	0.62374697	6.64788034	0.04302423	0.15338448
ENSMUSG00000028923	0.62372405	4.99398444	0.04608939	0.16090254
ENSMUSG00000021094	0.62359383	3.76004109	0.05116582	0.17269864
ENSMUSG00000033233	0.6232978	1.46311723	0.08875313	0.2467424
ENSMUSG00000008318	0.62274404	3.42565359	0.05437034	0.17958031
ENSMUSG00000004565	0.62249933	4.08669944	0.05058353	0.17132311
ENSMUSG00000034889	0.62225313	3.6271657	0.05284602	0.17632781
ENSMUSG00000001128	0.62222736	5.37240751	0.04588373	0.16039226
ENSMUSG00000003531	0.62176081	2.48073124	0.06923796	0.20973658
ENSMUSG00000021313	0.62175772	4.59881135	0.04829788	0.16613124
ENSMUSG00000003559	0.62146013	4.11178318	0.05038069	0.17070686
ENSMUSG00000022015	0.62142796	2.13117988	0.08042096	0.23151619
ENSMUSG00000002668	0.62121892	4.04415839	0.05205102	0.17449317
ENSMUSG00000036775	0.62089708	3.76593396	0.05118715	0.17271658
ENSMUSG00000034006	0.62076786	1.80189423	0.08891839	0.24688361
ENSMUSG00000002307	0.62063556	5.68156766	0.04557088	0.15959828
ENSMUSG00000040824	0.62051786	5.57000518	0.04586894	0.16039226
ENSMUSG00000029560	0.62051678	4.86427966	0.04780917	0.16508936
ENSMUSG00000036561	0.62033324	3.31148024	0.05646941	0.18407083
ENSMUSG00000059842	0.62023747	1.46739125	0.11285554	0.28791913

ENSMUSG00000023143	0.62014774	2.93998611	0.06336759	0.19910187
ENSMUSG00000018395	0.62005297	3.06595221	0.06134026	0.19445067
ENSMUSG00000029413	0.61997026	4.0851412	0.05153073	0.17333356
ENSMUSG00000003444	0.61995312	2.80502069	0.06674385	0.20507955
ENSMUSG00000039501	0.61987305	6.46992998	0.04462305	0.15713601
ENSMUSG00000028538	0.61968383	2.2742746	0.07673305	0.2243126
ENSMUSG00000026966	0.61934756	3.99044993	0.0515539	0.17335744
ENSMUSG00000036333	0.61931392	6.87543371	0.04439877	0.15652725
ENSMUSG00000033088	0.61895936	3.64437987	0.05466107	0.18018931
ENSMUSG00000047090	0.61864137	2.5397742	0.06649522	0.20488128
ENSMUSG00000051735	0.61835918	3.76642822	0.05398242	0.17895678
ENSMUSG00000002257	0.61790388	4.26537052	0.051504	0.17329769
ENSMUSG00000022452	0.61780437	4.41924923	0.05071327	0.1716634
ENSMUSG00000032187	0.61750012	6.92960244	0.04506529	0.15830102
ENSMUSG00000016757	0.61717497	4.98924185	0.04840422	0.16618629
ENSMUSG00000041220	0.61699802	4.65901398	0.05005203	0.17016429
ENSMUSG00000019738	0.61670723	2.42808511	0.07095858	0.21268607
ENSMUSG00000045103	0.61668181	1.70728279	0.08175892	0.23411426
ENSMUSG00000015217	0.61648148	5.16260902	0.048079	0.16569422
ENSMUSG00000022561	0.61606968	3.29782576	0.05944239	0.19038241
ENSMUSG00000029456	0.61537881	1.33892402	0.11849308	0.29723874
ENSMUSG00000006398	0.61530617	6.59166966	0.04614839	0.16105638
ENSMUSG00000072294	0.61528548	1.35318071	0.10381925	0.27329249
ENSMUSG00000039382	0.61524718	2.68977774	0.06755863	0.20644722
ENSMUSG00000042642	0.61503552	3.56202391	0.05746341	0.18570136
ENSMUSG00000032370	0.61491372	4.85142748	0.04960982	0.16919428
ENSMUSG00000027496	0.61482196	6.34628497	0.04663326	0.1623283
ENSMUSG00000042524	0.61478498	5.29587122	0.04832864	0.16613124
ENSMUSG00000032575	0.61471272	8.78816883	0.04522239	0.15880112
ENSMUSG0000002345	0.61457767	2.51515963	0.07611907	0.22306197
ENSMUSG00000036882	0.61439592	2.27268173	0.0797641	0.23048661
ENSMUSG00000087582	0.61436946	2.78199092	0.06320763	0.19890021
ENSMUSG00000027490	0.6141674	4.14915387	0.05389417	0.1788189
ENSMUSG00000000282	0.61388104	3.0059021	0.06465299	0.20174128
ENSMUSG00000075705	0.612868	3.92416347	0.05571704	0.18246356
ENSMUSG00000047959	0.61249424	2.80159752	0.06674385	0.20507955
ENSMUSG00000028931	0.61197531	5.34934006	0.04945088	0.16875896
ENSMUSG00000032261	0.61181311	2.78776367	0.06682856	0.20526322
ENSMUSG00000038564	0.61091293	3.44126448	0.05916727	0.18970206
ENSMUSG00000025868	0.60992068	3.69699085	0.05737656	0.18558753
ENSMUSG00000028454	0.60938696	3.91791145	0.05647599	0.18407083
ENSMUSG00000013822	0.60933528	4.76785839	0.05246132	0.17547856
ENSMUSG00000026421	0.60871125	6.39946549	0.04866678	0.16692828

ENSMUSG00000020133	0.60869992	2.92732313	0.0693715	0.20989911
ENSMUSG00000014905	0.60844642	5.76991144	0.04933673	0.16874318
ENSMUSG00000020287	0.60798839	3.37107533	0.06104304	0.19389932
ENSMUSG00000020520	0.60794662	3.35437323	0.06353389	0.19946127
ENSMUSG00000035203	0.60704713	5.03221354	0.05224204	0.1750709
ENSMUSG00000096594	0.60587757	4.92231038	0.05293338	0.17652604
ENSMUSG00000000959	0.60579686	5.15684144	0.0523111	0.17519344
ENSMUSG00000031668	0.60564958	6.42413256	0.04969324	0.16937163
ENSMUSG00000022221	0.60552084	5.31567147	0.05176621	0.17380039
ENSMUSG00000025648	0.60479704	2.33200234	0.08028033	0.23129658
ENSMUSG00000000378	0.60461617	4.65439088	0.05482357	0.18041422
ENSMUSG00000044244	0.60360035	1.56708835	0.09719067	0.26182966
ENSMUSG00000034449	0.60325838	3.57281819	0.06201041	0.19633596
ENSMUSG00000032294	0.60298333	9.12002547	0.0494192	0.16875896
ENSMUSG00000058818	0.60193843	3.20705928	0.065636	0.20357165
ENSMUSG00000035270	0.60180224	1.79771236	0.090943	0.25131211
ENSMUSG00000095863	0.60175046	0.83957742	0.13536762	0.32097723
ENSMUSG00000059851	0.60164585	3.54856736	0.06264458	0.19765944
ENSMUSG00000019971	0.6016088	5.19813826	0.05336173	0.17749934
ENSMUSG00000052248	0.60145797	2.07896444	0.08837048	0.2459322
ENSMUSG00000022442	0.60117854	2.12493404	0.0823089	0.23542307
ENSMUSG00000021065	0.6010421	6.45603369	0.0514094	0.17314147
ENSMUSG00000004994	0.60081454	2.33860019	0.0816343	0.23394746
ENSMUSG00000032380	0.59892189	3.42530542	0.06495197	0.20233037
ENSMUSG00000042462	0.59877998	3.45486213	0.0665832	0.20503518
ENSMUSG00000027309	0.59871099	3.4935031	0.06287091	0.19818763
ENSMUSG00000073436	0.59855682	3.94296398	0.06033879	0.1922285
ENSMUSG00000076674	0.59821281	3.52816767	0.06217994	0.19664737
ENSMUSG00000061119	0.59811489	5.51295193	0.05411746	0.17917999
ENSMUSG00000021947	0.59799723	3.15440817	0.07126297	0.21317611
ENSMUSG00000002320	0.59736021	5.6302385	0.05420365	0.17924937
ENSMUSG00000026202	0.59734109	6.6705036	0.05281936	0.17629341
ENSMUSG00000020048	0.59712228	12.4162054	0.05139429	0.17314147
ENSMUSG00000026489	0.59596516	3.86015916	0.06402347	0.20047302
ENSMUSG00000034863	0.59592669	1.59267151	0.10813547	0.28065774
ENSMUSG00000040848	0.59557839	6.84083244	0.05319329	0.17704829
ENSMUSG00000030611	0.59548877	2.89896874	0.07521008	0.22154206
ENSMUSG00000055447	0.5946384	8.6013206	0.05269044	0.17608108
ENSMUSG00000026269	0.59453618	3.90036587	0.0633932	0.19910187
ENSMUSG00000038578	0.59391925	5.66832514	0.05542246	0.18188551
ENSMUSG00000008398	0.59334683	5.47378341	0.05579948	0.18267808
ENSMUSG00000006281	0.59324894	5.33731236	0.05638265	0.18407083
ENSMUSG00000040659	0.59321409	5.22711997	0.05702846	0.18507218

ENSMUSG00000032312	0.59313228	6.87330018	0.0542931	0.17941768
ENSMUSG00000036644	0.59296905	4.61697319	0.0586046	0.18831705
ENSMUSG00000021978	0.59282455	5.26980326	0.0569202	0.18493827
ENSMUSG00000045441	0.59270337	0.69957259	0.14949193	0.34133411
ENSMUSG00000011256	0.59248167	7.25724794	0.05419709	0.17924937
ENSMUSG00000038497	0.59240372	2.73874773	0.07969952	0.23048528
ENSMUSG00000063952	0.59235374	4.47069389	0.05994507	0.19127321
ENSMUSG00000042312	0.59212718	4.113229	0.06240023	0.19716497
ENSMUSG00000035227	0.59207555	7.97824077	0.05395141	0.17890899
ENSMUSG00000062031	0.59198417	1.8425671	0.10413414	0.27383141
ENSMUSG00000028334	0.59185501	5.81482411	0.05631437	0.18397278
ENSMUSG00000006418	0.59185293	6.76247671	0.0548082	0.18041422
ENSMUSG00000021957	0.5908803	7.05594049	0.05503802	0.1808672
ENSMUSG00000011382	0.59034351	3.66704294	0.06667619	0.20507955
ENSMUSG00000076512	0.58957481	1.68179108	0.10746138	0.27991872
ENSMUSG00000031812	0.58933236	5.3418989	0.05830898	0.18753476
ENSMUSG00000018474	0.58892205	6.94037151	0.05583236	0.18273024
ENSMUSG00000025145	0.58865037	2.40925334	0.08772602	0.24477036
ENSMUSG00000039814	0.58864911	1.81741385	0.10500365	0.27526405
ENSMUSG00000099375	0.58855246	2.47578612	0.08596014	0.24232866
ENSMUSG00000062908	0.58792725	6.31795623	0.05693574	0.18493827
ENSMUSG00000042121	0.5876845	4.62058122	0.06108768	0.19398398
ENSMUSG00000046562	0.58740386	4.74888133	0.06111668	0.19401891
ENSMUSG00000002546	0.58678226	5.57758858	0.05882022	0.18878489
ENSMUSG00000042569	0.58676932	3.73729281	0.06817351	0.20771094
ENSMUSG00000038831	0.58663816	3.3681248	0.07041937	0.21152659
ENSMUSG00000028973	0.58644578	3.70391627	0.07057058	0.21180995
ENSMUSG00000043964	0.58641847	4.45258877	0.062547	0.19745516
ENSMUSG00000022498	0.58627283	6.4902674	0.05741177	0.18564573
ENSMUSG00000043885	0.58561265	5.29506444	0.05942249	0.19037794
ENSMUSG00000056698	0.58553132	3.03879078	0.07596397	0.22303169
ENSMUSG00000030741	0.58470218	3.28559932	0.07421996	0.21964547
ENSMUSG00000030315	0.58438601	3.86302532	0.0680624	0.20745758
ENSMUSG00000030835	0.58437569	6.92044166	0.05789464	0.18653593
ENSMUSG00000015013	0.58422916	4.22141237	0.06609782	0.20406494
ENSMUSG00000023908	0.58361362	2.38922196	0.0945448	0.25780371
ENSMUSG00000023051	0.58305212	4.43780147	0.06559744	0.20357165
ENSMUSG00000040712	0.58294263	3.78279949	0.0702775	0.21134204
ENSMUSG00000027952	0.58224859	3.76047983	0.07101954	0.21276974
ENSMUSG00000039316	0.58222369	7.13701834	0.05857365	0.18827368
ENSMUSG00000073411	0.5820788	8.96813581	0.05781567	0.18637397
ENSMUSG00000022560	0.58178559	2.17886211	0.1029443	0.27167191
ENSMUSG00000047098	0.58153181	4.17911148	0.06788563	0.2070358

ENSMUSG00000073633	0.58140084	0.88745023	0.14914309	0.34109297
ENSMUSG00000041308	0.58110809	2.3809073	0.08369981	0.23828374
ENSMUSG00000033253	0.58088097	4.38931944	0.06561976	0.20357165
ENSMUSG00000038070	0.58068601	4.55422805	0.06455861	0.20156342
ENSMUSG00000038976	0.58060302	4.27273342	0.06608671	0.20406494
ENSMUSG00000029599	0.58049156	5.51294153	0.06182249	0.19585599
ENSMUSG00000045211	0.57956816	2.36714816	0.09647289	0.26035125
ENSMUSG00000007603	0.57954178	2.58029433	0.09202043	0.25326485
ENSMUSG00000060860	0.5793944	6.53797974	0.06039436	0.19233925
ENSMUSG00000043987	0.57929786	3.70797071	0.07157993	0.21375092
ENSMUSG00000040054	0.57778829	7.53703581	0.06013726	0.19169974
ENSMUSG00000031805	0.57750723	4.31342689	0.06749224	0.2063028
ENSMUSG00000094087	0.57696624	1.73881928	0.11710197	0.29491536
ENSMUSG00000034254	0.57689024	4.17518584	0.06981571	0.21036396
ENSMUSG00000018661	0.57684764	4.03175069	0.07045656	0.21152659
ENSMUSG00000020472	0.57614394	4.5123086	0.06713792	0.20574461
ENSMUSG00000059323	0.57552776	5.45820464	0.0643946	0.20116783
ENSMUSG00000028032	0.57548734	4.09754783	0.06978753	0.21033782
ENSMUSG00000022791	0.57511373	3.20899357	0.0817386	0.23411426
ENSMUSG00000053128	0.57504449	4.89020788	0.06602393	0.20402268
ENSMUSG00000032898	0.57485139	4.31045863	0.06887381	0.20902771
ENSMUSG00000001229	0.57474679	4.80222397	0.06672974	0.20507955
ENSMUSG00000030688	0.57427746	1.18019127	0.15468238	0.34890081
ENSMUSG00000018677	0.57420687	4.11719699	0.07121534	0.21309275
ENSMUSG00000031862	0.57417706	5.61882177	0.06451701	0.20149186
ENSMUSG00000041939	0.57401944	1.76113828	0.12440513	0.30567468
ENSMUSG00000052040	0.5739352	6.2276884	0.06318111	0.19887481
ENSMUSG00000023175	0.57377158	7.04224644	0.06244692	0.1972547
ENSMUSG00000040687	0.5731887	6.18777726	0.0636231	0.1996251
ENSMUSG00000030161	0.57284415	4.78273883	0.06737294	0.20608903
ENSMUSG00000021286	0.57269916	1.92872822	0.11279962	0.28786902
ENSMUSG00000021819	0.57246258	4.52534543	0.06940841	0.20989911
ENSMUSG00000030839	0.57228304	2.58355159	0.09325737	0.25563994
ENSMUSG00000030104	0.57204387	9.06583419	0.0621682	0.19664737
ENSMUSG00000036046	0.57203654	5.35755231	0.06586042	0.20392655
ENSMUSG00000024854	0.57200807	4.0811695	0.07245072	0.21526301
ENSMUSG00000027332	0.57077763	5.46052119	0.06645481	0.20487383
ENSMUSG00000068036	0.5707626	3.11499772	0.07826017	0.22760456
ENSMUSG00000075600	0.57036482	0.87515495	0.17091365	0.37189928
ENSMUSG00000041481	0.57017919	7.13587228	0.06387016	0.20017643
ENSMUSG00000041740	0.57014033	7.24671467	0.06388193	0.20017643
ENSMUSG00000036526	0.56974388	5.69084319	0.06652541	0.20491573
ENSMUSG00000027502	0.56940917	5.28626968	0.06770271	0.20682889

ENSMUSG00000039982	0.56927679	4.08351987	0.07239059	0.21523576
ENSMUSG00000033335	0.56915447	6.25452366	0.06541618	0.20328353
ENSMUSG00000003762	0.56858361	2.46830271	0.09816908	0.26374074
ENSMUSG00000035064	0.5683606	3.64933704	0.07684447	0.22445579
ENSMUSG00000031887	0.56808996	2.429627	0.09639711	0.26027702
ENSMUSG00000004937	0.56776541	4.66993953	0.07025081	0.21132072
ENSMUSG00000001054	0.56772663	3.90071314	0.07525493	0.22161365
ENSMUSG00000067274	0.56755096	9.08117256	0.06428463	0.2009407
ENSMUSG00000062785	0.56706025	1.32259746	0.15352258	0.34693786
ENSMUSG00000020232	0.56700481	2.78495419	0.09515076	0.25869282
ENSMUSG00000072919	0.56598296	2.65780788	0.09368477	0.25635538
ENSMUSG00000013539	0.56510547	3.18289327	0.08562736	0.24166591
ENSMUSG00000017707	0.56490826	10.852119	0.0652771	0.20304247
ENSMUSG00000028602	0.56489789	6.80707069	0.06671499	0.20507955
ENSMUSG00000047547	0.56468003	4.00235381	0.07567284	0.22254046
ENSMUSG00000022906	0.56442957	8.14363272	0.06598716	0.20401534
ENSMUSG00000027394	0.56401611	2.66905999	0.09604666	0.26017764
ENSMUSG00000030533	0.56369039	3.93077095	0.07975724	0.23048661
ENSMUSG00000046792	0.56364489	1.23913308	0.13587163	0.32174785
ENSMUSG00000030830	0.56321862	8.55277986	0.06644045	0.20487383
ENSMUSG00000019428	0.5630546	4.99461559	0.07184957	0.2142178
ENSMUSG00000021384	0.56238439	1.82081335	0.11820932	0.29666496
ENSMUSG00000026270	0.56211029	2.32851858	0.10322185	0.27216246
ENSMUSG00000059970	0.56208405	1.36486575	0.14500522	0.33506242
ENSMUSG00000027950	0.56201657	1.30948982	0.12007724	0.29960967
ENSMUSG00000001482	0.56200942	4.5798293	0.07420855	0.21964547
ENSMUSG00000075419	0.56183987	3.33862729	0.08382782	0.23846792
ENSMUSG00000066877	0.56161165	2.38916673	0.10083628	0.26763928
ENSMUSG00000073600	0.56129728	1.64510517	0.13038004	0.31447514
ENSMUSG00000079450	0.56128647	1.7622575	0.12066497	0.30072821
ENSMUSG00000038421	0.56045096	4.60895882	0.07410991	0.21950048
ENSMUSG00000045438	0.55935521	3.64441171	0.08177934	0.23411426
ENSMUSG00000047675	0.55919798	8.12269564	0.0686461	0.20864699
ENSMUSG00000021013	0.55851107	1.89347076	0.10958163	0.28298091
ENSMUSG00000005951	0.55838972	1.56794518	0.12818185	0.31126168
ENSMUSG00000027551	0.5581856	2.67197653	0.10176479	0.26944059
ENSMUSG00000049608	0.55789311	4.30576723	0.07800788	0.22699324
ENSMUSG00000026547	0.5578367	7.67030731	0.06948318	0.21004402
ENSMUSG00000037217	0.55776806	2.03427688	0.10823952	0.28086019
ENSMUSG00000008348	0.55775855	6.3414406	0.07088093	0.21262306
ENSMUSG00000072082	0.5571663	6.16016333	0.07154379	0.21371974
ENSMUSG00000035845	0.55680259	4.12302022	0.08040049	0.23151619
ENSMUSG00000020476	0.55651279	6.09929712	0.07202301	0.21449768

ENSMUSG00000043602	0.55638631	1.89858068	0.11917892	0.29826536
ENSMUSG00000043323	0.55587701	1.97734978	0.11592022	0.29324035
ENSMUSG00000031818	0.55575658	6.7249911	0.07145394	0.21356965
ENSMUSG00000052934	0.55560565	2.02863222	0.12097393	0.30108075
ENSMUSG00000023505	0.55557093	6.64218514	0.0715263	0.21371974
ENSMUSG00000032553	0.55485926	5.03450475	0.07580437	0.22281873
ENSMUSG00000058586	0.55481605	4.43554348	0.0790862	0.22926493
ENSMUSG00000002031	0.55449713	4.01726788	0.08247506	0.23573047
ENSMUSG00000030397	0.55448054	2.47488365	0.10285365	0.27159005
ENSMUSG00000060519	0.55415385	6.770043	0.07210662	0.21450973
ENSMUSG00000059518	0.5536458	2.25475505	0.11578794	0.29311202
ENSMUSG00000040857	0.55299941	0.82767304	0.20138236	0.41121735
ENSMUSG00000038642	0.55273418	8.57707197	0.0716359	0.21381719
ENSMUSG00000011877	0.5524318	3.8840988	0.08433992	0.23947386
ENSMUSG00000005107	0.55153422	2.90987175	0.0970594	0.26154137
ENSMUSG00000050846	0.55147757	2.80702404	0.10065234	0.26734849
ENSMUSG00000029577	0.5513701	5.37348267	0.07642854	0.223908
ENSMUSG00000024079	0.55109408	8.01282327	0.0726118	0.21565564
ENSMUSG00000038836	0.55095288	2.13173068	0.10864758	0.28145921
ENSMUSG00000005043	0.55074302	2.49160511	0.1119842	0.28650952
ENSMUSG00000035891	0.55070966	5.5256271	0.07607869	0.22306197
ENSMUSG00000055745	0.55062236	3.60344924	0.0872463	0.24399441
ENSMUSG00000049932	0.55046649	4.20258874	0.08365658	0.23822355
ENSMUSG00000074738	0.55045021	1.20773569	0.17368874	0.37579354
ENSMUSG00000020289	0.5502962	3.91919483	0.08407701	0.23904205
ENSMUSG00000025422	0.55005804	3.55795803	0.08768073	0.24470729
ENSMUSG00000021504	0.55002984	2.61178012	0.09949588	0.26547767
ENSMUSG00000052456	0.54999787	5.02952093	0.07862094	0.22840737
ENSMUSG00000020455	0.54998698	4.49334145	0.08080717	0.23225601
ENSMUSG00000031807	0.54986556	3.6233209	0.09009566	0.24938183
ENSMUSG00000001036	0.54985116	1.44277501	0.14367054	0.33304883
ENSMUSG00000049760	0.54908022	3.96698277	0.08510535	0.24094936
ENSMUSG00000020329	0.54832221	2.36476956	0.11650874	0.2939018
ENSMUSG00000062006	0.54831309	7.8235485	0.0743173	0.21987318
ENSMUSG00000020536	0.54809131	3.57548782	0.09145134	0.25218189
ENSMUSG00000045257	0.54803634	1.48639347	0.13342224	0.31821601
ENSMUSG00000047417	0.54772253	3.84988042	0.08795412	0.24520181
ENSMUSG00000028857	0.54766913	3.92811408	0.08599701	0.24232866
ENSMUSG00000024013	0.5471483	5.66833952	0.07792677	0.22687966
ENSMUSG00000041571	0.5470241	6.2382973	0.0766083	0.2240694
ENSMUSG00000049401	0.54685418	6.093995	0.07705457	0.22482587
ENSMUSG00000042700	0.5462926	5.83071523	0.07763596	0.22633851
ENSMUSG00000001517	0.54609816	6.03690255	0.07740575	0.22577332

ENSMUSG0000006019	0.54593786	1.8346441	0.12880594	0.31186423
ENSMUSG00000024423	0.54565158	6.03473661	0.07742116	0.22577332
ENSMUSG00000036636	0.5454488	4.96607695	0.08083415	0.23227166
ENSMUSG00000032306	0.54486601	4.4036494	0.08447559	0.23973284
ENSMUSG00000026810	0.54460746	4.34553544	0.08542829	0.24135734
ENSMUSG0000002308	0.54439189	3.26072801	0.09603367	0.26017764
ENSMUSG00000040415	0.54407955	4.13342198	0.08702669	0.24363859
ENSMUSG00000030987	0.54395237	5.39899927	0.0802759	0.23129658
ENSMUSG00000005949	0.54391353	3.98003872	0.08731217	0.24399441
ENSMUSG00000025138	0.54373482	4.5660187	0.08412061	0.2390528
ENSMUSG00000038712	0.54372119	4.18482793	0.08669348	0.24334594
ENSMUSG00000021486	0.5435668	6.5919559	0.07796654	0.22693419
ENSMUSG00000029060	0.54330637	1.37249231	0.16764491	0.36745584
ENSMUSG00000024875	0.54286094	3.550164	0.09357101	0.2561741
ENSMUSG00000045665	0.5425644	3.73915135	0.09275843	0.25470036
ENSMUSG00000036613	0.54222082	3.55201329	0.09206562	0.25326485
ENSMUSG00000031012	0.5420518	2.77421343	0.10313424	0.27200218
ENSMUSG00000021884	0.54197107	3.05753515	0.09673011	0.26084958
ENSMUSG00000022639	0.54118136	3.62558031	0.09131033	0.25209693
ENSMUSG00000032330	0.54061777	6.53071915	0.07954944	0.23011296
ENSMUSG00000023873	0.54010605	1.43766579	0.1524556	0.34561303
ENSMUSG00000022831	0.5397362	8.19063693	0.07869526	0.22850019
ENSMUSG00000034255	0.53966472	4.18798202	0.08938452	0.24785874
ENSMUSG00000032763	0.53963946	3.42235324	0.10014776	0.26641213
ENSMUSG00000027378	0.53933278	2.35084324	0.12479041	0.30628842
ENSMUSG00000029461	0.53875182	4.7629346	0.08474086	0.24016964
ENSMUSG00000019969	0.53805793	6.51535563	0.08098691	0.23251483
ENSMUSG00000028518	0.53794458	1.6247301	0.14216245	0.33069023
ENSMUSG00000053411	0.53781088	4.69524894	0.08669751	0.24334594
ENSMUSG00000025410	0.53772611	5.65344852	0.08315322	0.23710321
ENSMUSG00000028467	0.53706587	3.98735787	0.09360916	0.2562135
ENSMUSG00000044948	0.53700261	4.25753895	0.09019927	0.24960455
ENSMUSG00000051864	0.53636926	4.10662053	0.09208563	0.25326485
ENSMUSG00000008393	0.53558469	4.91322065	0.08659648	0.24325514
ENSMUSG00000070639	0.53554519	2.96787619	0.10683892	0.27870124
ENSMUSG00000087543	0.53438428	1.39014919	0.14834556	0.33994019
ENSMUSG00000020736	0.53423112	3.93354086	0.09531723	0.25891712
ENSMUSG00000067586	0.53419619	5.99571609	0.0841321	0.2390528
ENSMUSG00000046879	0.53409099	8.28747474	0.08174874	0.23411426
ENSMUSG00000031851	0.53389254	3.12906438	0.10479702	0.27503797
ENSMUSG00000040339	0.53374265	4.79550377	0.0881814	0.24554079
ENSMUSG00000039754	0.53366393	2.12930459	0.12943838	0.3128336
ENSMUSG00000041241	0.53357677	3.07567789	0.10493352	0.27526224

ENSMUSG00000053964	0.53354953	1.56766974	0.16312209	0.36113912
ENSMUSG00000047045	0.53330922	6.0391014	0.0846102	0.23992543
ENSMUSG00000035107	0.53291435	3.84308973	0.09455874	0.25780371
ENSMUSG00000017837	0.5328711	4.09586686	0.09446887	0.25771624
ENSMUSG00000051950	0.5321561	3.05096217	0.11009093	0.28368474
ENSMUSG00000076672	0.53200577	6.23745858	0.08467255	0.24003911
ENSMUSG00000017299	0.5316414	3.63695152	0.09876342	0.26468333
ENSMUSG00000046269	0.53161945	1.20411769	0.17765764	0.38020627
ENSMUSG00000027822	0.53147458	5.80638519	0.08581132	0.2420584
ENSMUSG00000023010	0.53139567	7.43237892	0.08383085	0.23846792
ENSMUSG00000057342	0.5313542	2.89056991	0.11297079	0.28808817
ENSMUSG00000038302	0.53133573	2.60717097	0.11615686	0.293426
ENSMUSG00000029022	0.53129445	4.13835873	0.09516269	0.25869282
ENSMUSG00000033610	0.53025604	3.11820265	0.10611127	0.27713826
ENSMUSG00000044583	0.52989949	8.26768211	0.0841473	0.2390528
ENSMUSG00000020553	0.52989857	3.90244589	0.09623003	0.26021681
ENSMUSG00000000915	0.52989356	5.63266578	0.08801569	0.2452613
ENSMUSG00000049488	0.52950662	3.84729678	0.09616683	0.26021681
ENSMUSG00000030890	0.52933691	5.84821294	0.0874229	0.24405088
ENSMUSG00000031168	0.52886129	5.3876428	0.08920298	0.2475463
ENSMUSG00000024900	0.52880907	5.55640769	0.0881843	0.24554079
ENSMUSG00000041035	0.52879983	3.59966717	0.10313584	0.27200218
ENSMUSG00000094797	0.52848332	6.20067163	0.08706511	0.24368289
ENSMUSG00000036427	0.52822065	8.20466643	0.08528073	0.2411305
ENSMUSG00000097567	0.52818661	2.60487826	0.119594	0.298888
ENSMUSG00000024308	0.52817112	8.4477576	0.08514341	0.24099385
ENSMUSG00000026285	0.52759277	1.33261147	0.18168836	0.3851636
ENSMUSG00000034308	0.52746086	2.26995247	0.12536825	0.30684775
ENSMUSG00000063383	0.52740545	2.06369167	0.13321494	0.31791357
ENSMUSG00000025068	0.5273804	5.67347366	0.0889894	0.24701715
ENSMUSG00000024393	0.52720116	7.03065951	0.08679746	0.24347856
ENSMUSG00000033739	0.52708864	1.6234791	0.15278934	0.34594271
ENSMUSG00000030745	0.52647417	7.94558986	0.08642556	0.24315516
ENSMUSG00000028088	0.52643011	2.02358453	0.13594715	0.32178535
ENSMUSG00000039914	0.52631522	3.0314598	0.11103153	0.28515456
ENSMUSG00000025574	0.52603036	4.6022954	0.09477517	0.25802965
ENSMUSG00000005069	0.52570978	4.14763048	0.09886428	0.2648168
ENSMUSG00000075289	0.52538697	1.91120863	0.1413344	0.32954952
ENSMUSG00000025006	0.52522453	1.57874359	0.16929097	0.36971119
ENSMUSG00000040296	0.5251997	7.42651699	0.08739046	0.24405088
ENSMUSG00000034987	0.52472417	4.17478834	0.09890121	0.26484993
ENSMUSG00000045107	0.52456826	1.36941825	0.16764491	0.36745584
ENSMUSG00000002658	0.52449373	5.6577504	0.09100276	0.25131211

ENSMUSG00000025737	0.52339275	3.34819967	0.11146377	0.28585618
ENSMUSG00000002205	0.52332706	4.93116467	0.0943468	0.2575787
ENSMUSG00000003849	0.52288294	4.2234105	0.09812882	0.26369827
ENSMUSG00000038023	0.52257807	5.7069927	0.09180113	0.25299856
ENSMUSG00000023020	0.52234575	2.76958713	0.12343207	0.30471829
ENSMUSG00000083307	0.5222315	1.61896459	0.16097942	0.35793856
ENSMUSG00000028266	0.52219147	4.30488159	0.09811571	0.26369827
ENSMUSG00000059772	0.52207234	2.35160225	0.13530364	0.32097087
ENSMUSG00000024944	0.52186145	2.78590807	0.11957817	0.298888
ENSMUSG00000024889	0.52170765	3.37092993	0.11228744	0.28713019
ENSMUSG00000029312	0.52156148	2.45637389	0.13054776	0.31474881
ENSMUSG00000022636	0.52148127	6.77937247	0.09033639	0.24991985
ENSMUSG00000073684	0.52136545	3.17846552	0.11124496	0.28556668
ENSMUSG00000050628	0.52115078	4.84304554	0.09618615	0.26021681
ENSMUSG00000017221	0.52104318	6.18543577	0.09193037	0.2531776
ENSMUSG00000033728	0.52027051	3.41911278	0.11001525	0.28367657
ENSMUSG00000076531	0.52009913	1.68348702	0.15121823	0.34374733
ENSMUSG00000007041	0.519459	7.80254879	0.09075612	0.2509523
ENSMUSG00000020777	0.51908643	5.25657969	0.0952874	0.2589013
ENSMUSG00000029499	0.51887438	1.05340868	0.20906857	0.41992838
ENSMUSG00000020827	0.51821423	5.13415899	0.09634065	0.26025491
ENSMUSG00000017404	0.51807128	7.36195944	0.09207214	0.25326485
ENSMUSG00000030323	0.51800005	3.04603249	0.1165593	0.29396058
ENSMUSG00000004394	0.51788544	4.855169	0.098031	0.26369826
ENSMUSG00000021417	0.51777255	5.5068873	0.09534946	0.25893945
ENSMUSG00000037408	0.51719251	3.38793743	0.11150962	0.28590579
ENSMUSG00000025484	0.51692335	3.29854993	0.11182132	0.28629655
ENSMUSG00000023882	0.5168868	3.45572014	0.10899688	0.28201112
ENSMUSG00000053317	0.5167094	5.62519629	0.09560882	0.25937799
ENSMUSG00000030407	0.51660374	3.42211578	0.11348082	0.28889924
ENSMUSG00000026857	0.51656812	2.22946605	0.1422573	0.33083949
ENSMUSG00000024594	0.51651663	5.15320997	0.09733016	0.26207451
ENSMUSG00000062683	0.51602838	3.64171842	0.11243041	0.28731032
ENSMUSG00000014470	0.51568631	1.37646174	0.19279171	0.39974347
ENSMUSG00000047731	0.51561397	4.91272433	0.09929508	0.26511467
ENSMUSG00000035235	0.51538394	2.20548965	0.1334392	0.31821601
ENSMUSG00000097415	0.51519342	6.12964749	0.09506018	0.25862977
ENSMUSG00000027435	0.51518681	6.15118814	0.0956312	0.25937799
ENSMUSG00000069255	0.51486632	3.22566302	0.11529581	0.29234658
ENSMUSG00000031007	0.51424047	7.26448776	0.09430514	0.25753016
ENSMUSG00000024588	0.51385521	4.75740368	0.10065148	0.26734849
ENSMUSG00000029098	0.51357321	5.64429396	0.09754894	0.26253252
ENSMUSG00000002395	0.51309914	3.54688487	0.1120307	0.2865605

ENSMUSG00000010609	0.51279275	3.78474551	0.11008738	0.28368474
ENSMUSG00000002845	0.51266021	5.86704781	0.0974944	0.26245123
ENSMUSG000000020190	0.51247096	6.79779106	0.09617325	0.26021681
ENSMUSG000000038037	0.51246329	2.96683441	0.12221484	0.30298042
ENSMUSG00000003062	0.51217823	4.88857058	0.10156889	0.26905402
ENSMUSG00000002984	0.51160992	4.59189003	0.10550025	0.27607733
ENSMUSG00000015575	0.51149745	5.5827272	0.09913548	0.26508233
ENSMUSG000000030319	0.511415	2.58931168	0.13137345	0.31558957
ENSMUSG000000078920	0.51122886	7.52399044	0.09601319	0.26017764
ENSMUSG000000028975	0.51098365	2.62953574	0.13097592	0.31492337
ENSMUSG00000017764	0.5105078	3.38394595	0.11835135	0.2969523
ENSMUSG000000047423	0.51045597	2.31078167	0.14559198	0.33598628
ENSMUSG000000032590	0.51013677	5.03252111	0.10289053	0.27162093
ENSMUSG000000029722	0.5097953	4.16264905	0.10889838	0.28189153
ENSMUSG000000038178	0.50960487	5.12413054	0.10184739	0.26959308
ENSMUSG00000016253	0.50954951	5.08824892	0.10296023	0.27167191
ENSMUSG000000030894	0.50927893	6.39220007	0.09873089	0.26468333
ENSMUSG000000031072	0.50860279	3.20277271	0.11996419	0.29944355
ENSMUSG00000017670	0.50849301	4.76299394	0.10498034	0.27526405
ENSMUSG000000020111	0.50828413	4.83529315	0.10502049	0.27526405
ENSMUSG000000070002	0.50799955	3.51731876	0.11603876	0.29338421
ENSMUSG000000033365	0.5078824	4.23884217	0.10974886	0.28320931
ENSMUSG00000012848	0.50783901	8.10227101	0.09808787	0.26369827
ENSMUSG000000030805	0.50754318	4.77757472	0.10637342	0.27762125
ENSMUSG000000023830	0.50704389	6.61475508	0.09974663	0.26585318
ENSMUSG000000032667	0.50699701	5.84564053	0.10121722	0.26851821
ENSMUSG000000056515	0.50682172	4.41828673	0.10781141	0.28023874
ENSMUSG000000025362	0.50678326	6.45523928	0.1007494	0.26747452
ENSMUSG000000029703	0.5066093	4.15876925	0.11026513	0.2838623
ENSMUSG000000023030	0.50653536	4.44697694	0.10790652	0.28026588
ENSMUSG000000031749	0.50634612	4.19107629	0.11032518	0.28394911
ENSMUSG000000005802	0.5062422	7.27410529	0.09950489	0.26547767
ENSMUSG000000020471	0.50623646	4.68537734	0.10800066	0.28044283
ENSMUSG000000035877	0.50554664	4.13910857	0.10883595	0.28184557
ENSMUSG000000021176	0.50500846	1.91209815	0.16631368	0.3657327
ENSMUSG000000020935	0.50483331	2.92079712	0.13080166	0.31492337
ENSMUSG00000015488	0.50470681	4.32689211	0.11159035	0.28598166
ENSMUSG000000037406	0.50466085	0.92958364	0.22734217	0.44181978
ENSMUSG000000076508	0.50453331	5.68473468	0.10355486	0.27277371
ENSMUSG00000018983	0.50426285	5.85977382	0.10339332	0.27248131
ENSMUSG000000043059	0.50380475	3.05850054	0.12865398	0.31186423
ENSMUSG000000037772	0.50338729	3.3335199	0.1232997	0.3045497
ENSMUSG000000008036	0.5031365	5.03989451	0.10762194	0.28002618

ENSMUSG00000026198	0.50307097	1.94708606	0.15964181	0.35584483
ENSMUSG00000027244	0.50289085	4.76980049	0.10811554	0.28065774
ENSMUSG00000040097	0.50285916	3.15578919	0.12866327	0.31186423
ENSMUSG00000078945	0.50274307	4.25313581	0.11000095	0.28367657
ENSMUSG00000071256	0.50272824	2.92744534	0.13312527	0.31783429
ENSMUSG00000036835	0.5019584	4.17834925	0.11423591	0.29027334
ENSMUSG00000022385	0.50193788	5.08515703	0.10756685	0.28002618
ENSMUSG00000030982	0.50110355	5.97486321	0.10520472	0.27550455
ENSMUSG00000047617	0.50093921	2.15107012	0.14808873	0.33953376
ENSMUSG00000001910	0.50091626	6.1739279	0.10506183	0.27526405
ENSMUSG00000022214	0.50028058	6.0824224	0.10549392	0.27607733
ENSMUSG00000024312	0.49993719	4.62662493	0.11319352	0.28837206
ENSMUSG00000076514	0.49896971	5.35705961	0.10838685	0.28103963
ENSMUSG00000073616	0.49800579	4.29831891	0.11608591	0.29338421
ENSMUSG00000044167	0.49773276	7.56075507	0.10503883	0.27526405
ENSMUSG00000074682	0.49772445	2.67723705	0.13246062	0.3170822
ENSMUSG00000076680	0.49766334	5.03924308	0.10912684	0.28227965
ENSMUSG00000030595	0.4975881	3.01787008	0.13835989	0.32507037
ENSMUSG00000025228	0.49694875	6.88924561	0.1065728	0.2780743
ENSMUSG00000071654	0.49667428	2.23476282	0.15686098	0.35155772
ENSMUSG00000031834	0.49638802	3.0001242	0.14108542	0.32917895
ENSMUSG00000079363	0.49614269	7.35454621	0.10634602	0.27761693
ENSMUSG00000063077	0.49604929	5.32621335	0.11003515	0.28367657
ENSMUSG00000020263	0.49575082	3.25947444	0.12661837	0.30934314
ENSMUSG00000025577	0.49535345	3.08622019	0.13322064	0.31791357
ENSMUSG00000020802	0.49517422	4.62396602	0.11667398	0.29417914
ENSMUSG00000070427	0.49503808	1.42328289	0.17145247	0.37254553
ENSMUSG00000006127	0.49438185	5.26202427	0.11230667	0.28713019
ENSMUSG00000041654	0.49421684	4.04281303	0.12092693	0.30103324
ENSMUSG00000056121	0.494078	3.05784127	0.13249877	0.31710314
ENSMUSG00000022517	0.49391532	5.21738827	0.11270248	0.28776423
ENSMUSG00000039477	0.49389058	2.39600675	0.15038389	0.34264524
ENSMUSG00000053565	0.49300167	6.38448136	0.1102281	0.28383976
ENSMUSG00000021611	0.49272025	1.04114715	0.24032091	0.45726162
ENSMUSG00000020415	0.49228112	4.37056869	0.11887055	0.29770089
ENSMUSG00000090841	0.49213141	7.13920189	0.1096646	0.28311422
ENSMUSG00000021948	0.49168478	7.84133106	0.10925777	0.2824151
ENSMUSG00000006024	0.49165436	6.17221055	0.11164238	0.28604216
ENSMUSG00000036273	0.4916464	7.47640097	0.10939869	0.28264386
ENSMUSG00000079222	0.49159908	1.08116896	0.20375844	0.41354402
ENSMUSG00000025132	0.49158064	8.01340677	0.10931325	0.28249078
ENSMUSG00000042903	0.49154691	3.2578726	0.13144381	0.31562845
ENSMUSG00000094345	0.4915336	4.11223621	0.12182202	0.30242371

ENSMUSG00000014786	0.49094195	2.3320132	0.14604086	0.33659
ENSMUSG00000052369	0.49044513	3.70406879	0.12753222	0.31034329
ENSMUSG00000078681	0.4904257	2.79852895	0.14744224	0.33844553
ENSMUSG00000035198	0.49024477	4.56177009	0.12056189	0.30054079
ENSMUSG00000019173	0.48985699	6.07516509	0.11300391	0.28809319
ENSMUSG00000020585	0.48957553	7.03591689	0.11140691	0.28577832
ENSMUSG00000038252	0.48929545	8.00944891	0.11086176	0.28485424
ENSMUSG00000062866	0.48915277	3.03727757	0.13791953	0.3244599
ENSMUSG00000032860	0.48893057	0.97351661	0.22082112	0.43352174
ENSMUSG00000024925	0.48859484	1.33898856	0.19690699	0.40517952
ENSMUSG00000033720	0.48852496	2.20664586	0.14900665	0.34087562
ENSMUSG00000031792	0.488515	4.14001513	0.12345179	0.30471829
ENSMUSG00000062115	0.48826642	2.74484204	0.1437886	0.33325086
ENSMUSG00000020707	0.48768985	3.36687932	0.13506961	0.32083495
ENSMUSG00000019338	0.48763078	4.25427783	0.12193941	0.30250623
ENSMUSG00000024301	0.48759143	2.11624237	0.16556285	0.36482014
ENSMUSG00000002608	0.48667598	4.73140922	0.12138462	0.30174426
ENSMUSG00000020109	0.48662173	4.35120528	0.12419869	0.30566959
ENSMUSG00000042831	0.48648057	1.83523702	0.18950979	0.39483355
ENSMUSG00000020780	0.48628692	6.18137526	0.11553433	0.29274488
ENSMUSG00000071203	0.48596838	3.66808421	0.13082618	0.31492337
ENSMUSG00000044252	0.48574957	2.94731631	0.14331383	0.33243629
ENSMUSG00000035521	0.48552399	3.5546487	0.13516662	0.32097011
ENSMUSG00000029073	0.48459983	4.31208906	0.12496956	0.30635865
ENSMUSG00000034793	0.48457654	3.21514337	0.1407873	0.32876793
ENSMUSG00000029554	0.48451803	4.140145	0.12786553	0.31077347
ENSMUSG00000025192	0.48437465	4.68432706	0.1221076	0.30278417
ENSMUSG00000053929	0.48413606	4.0520253	0.12965361	0.31315521
ENSMUSG00000045410	0.48410971	4.31557389	0.12585766	0.30769643
ENSMUSG00000030560	0.4839976	8.46069006	0.11446632	0.29062041
ENSMUSG00000060002	0.48375418	4.37136589	0.12557486	0.30707467
ENSMUSG00000004849	0.48373757	5.11156481	0.12089095	0.30101317
ENSMUSG00000040433	0.4835983	6.37722922	0.11670052	0.29417914
ENSMUSG00000060639	0.4831772	2.23204186	0.15686098	0.35155772
ENSMUSG00000031816	0.48311903	3.33122669	0.13902745	0.32591934
ENSMUSG00000023963	0.48307539	1.68759117	0.17858089	0.38132006
ENSMUSG00000028910	0.48277224	4.00242798	0.13174164	0.31602683
ENSMUSG00000032558	0.48262917	3.12155539	0.14264885	0.3313507
ENSMUSG00000079111	0.48202838	6.39750495	0.11808776	0.29656693
ENSMUSG00000031951	0.48192284	1.73516027	0.18145543	0.38483554
ENSMUSG00000033960	0.48189129	3.18846171	0.14023223	0.32782665
ENSMUSG00000042712	0.48155944	5.2082701	0.12163127	0.30215887
ENSMUSG00000037552	0.48132684	3.73095275	0.13363072	0.31835229

ENSMUSG00000079499	0.48088353	4.10575145	0.12876087	0.31186423
ENSMUSG00000031996	0.48078245	6.10368112	0.11956491	0.298888
ENSMUSG00000021820	0.48070601	4.24814093	0.12795404	0.31091851
ENSMUSG00000028743	0.48064899	0.79767554	0.27640267	0.49645676
ENSMUSG00000064267	0.48052405	7.4989261	0.11780817	0.29607161
ENSMUSG00000052298	0.48031117	8.05855811	0.11741417	0.29535676
ENSMUSG00000020921	0.47977505	1.91532166	0.18374873	0.38755062
ENSMUSG00000078763	0.47919458	3.28266158	0.13391556	0.31872555
ENSMUSG00000023032	0.47898224	2.73196165	0.14618401	0.33668677
ENSMUSG00000028468	0.47882124	5.38260515	0.12349532	0.30475367
ENSMUSG00000029478	0.47873552	3.7970429	0.13580988	0.32174291
ENSMUSG00000027207	0.47812442	5.65466402	0.12295649	0.3041199
ENSMUSG00000003228	0.47798699	3.3448193	0.14018598	0.32778959
ENSMUSG00000041642	0.47780188	5.3789683	0.12423605	0.30567227
ENSMUSG00000023044	0.47751525	1.68217024	0.19682873	0.40517952
ENSMUSG00000024143	0.47715958	5.90414288	0.12273236	0.30363518
ENSMUSG00000028959	0.4770949	3.79953553	0.13711986	0.32356686
ENSMUSG00000024608	0.47703764	7.99876594	0.12016496	0.29968984
ENSMUSG00000030657	0.47643278	3.85355839	0.13720352	0.32362264
ENSMUSG00000002957	0.47635366	5.83889389	0.1240642	0.30552828
ENSMUSG00000034156	0.47600027	3.47906728	0.13990771	0.32740155
ENSMUSG00000028854	0.47586922	4.09917616	0.13520013	0.32097011
ENSMUSG00000020752	0.47579358	4.74170799	0.12887924	0.31197165
ENSMUSG00000032815	0.4754682	5.13338797	0.12705785	0.30999816
ENSMUSG00000037921	0.4753016	5.68839857	0.12412061	0.30559741
ENSMUSG00000042423	0.47522128	5.19922712	0.12736356	0.31034329
ENSMUSG00000096727	0.47488236	6.35565755	0.12381943	0.30527405
ENSMUSG00000046949	0.47459432	3.73383114	0.13750405	0.32385741
ENSMUSG00000005625	0.47458324	6.29376996	0.12431499	0.30567468
ENSMUSG00000030811	0.47457347	3.26242657	0.14810523	0.33953376
ENSMUSG00000024208	0.47412871	3.42465167	0.14508529	0.33512917
ENSMUSG00000025373	0.4740265	3.76120841	0.13744032	0.32382706
ENSMUSG00000040414	0.47401423	2.85165749	0.15556832	0.34980167
ENSMUSG00000079557	0.47399226	3.79411163	0.13823681	0.32499363
ENSMUSG00000042333	0.4739154	3.0256711	0.15550267	0.34972697
ENSMUSG00000022957	0.47366069	5.36831875	0.12757343	0.31034329
ENSMUSG00000039740	0.47360605	5.95174186	0.1254451	0.30689653
ENSMUSG00000019471	0.47336613	6.47769318	0.12490951	0.30628842
ENSMUSG00000030727	0.47304955	3.06700637	0.15492117	0.34907435
ENSMUSG00000032740	0.47300786	5.64259659	0.12663766	0.30934314
ENSMUSG00000027698	0.47234403	5.00938695	0.12965348	0.31315521
ENSMUSG00000032315	0.47231467	1.67078517	0.21977889	0.4323414
ENSMUSG00000000738	0.47220972	4.51705477	0.13435769	0.31970727

ENSMUSG00000031622	0.47204264	5.58337641	0.12854075	0.31185287
ENSMUSG00000030822	0.47196488	5.04845071	0.13061507	0.31481381
ENSMUSG00000072437	0.4717903	3.0158039	0.15434323	0.34845317
ENSMUSG00000002280	0.47158037	3.45284688	0.14957333	0.34144766
ENSMUSG00000071379	0.47152974	1.94435975	0.18364161	0.38747626
ENSMUSG00000039201	0.47152332	2.99374736	0.15512039	0.34925299
ENSMUSG00000041126	0.47143254	3.36568619	0.14807671	0.33953376
ENSMUSG00000033059	0.47079752	6.1862541	0.1274832	0.31034329
ENSMUSG00000034880	0.4706089	1.70336307	0.20287641	0.41264037
ENSMUSG00000056185	0.47049296	1.35828475	0.22961316	0.44367466
ENSMUSG00000026649	0.47042006	0.57817008	0.29042899	0.51291497
ENSMUSG00000027187	0.47038337	6.70392694	0.12664595	0.30934314
ENSMUSG00000034055	0.47035732	4.64972907	0.1329419	0.31767016
ENSMUSG00000035242	0.4700091	6.15473576	0.12854099	0.31185287
ENSMUSG00000079834	0.46969103	2.96215791	0.14361715	0.33299664
ENSMUSG00000060601	0.46942932	2.61557881	0.17333287	0.37527036
ENSMUSG00000028708	0.46922872	5.06421587	0.13290391	0.31767016
ENSMUSG00000030538	0.46881861	5.08007033	0.13305715	0.31780472
ENSMUSG00000016487	0.46853386	5.07078414	0.13228221	0.31680029
ENSMUSG00000037280	0.46844326	4.09212573	0.13845484	0.32515179
ENSMUSG00000031428	0.46842879	7.72545984	0.12697915	0.30987626
ENSMUSG00000034194	0.46814986	3.05684143	0.15266528	0.34579759
ENSMUSG00000013160	0.46800046	6.1611161	0.12982398	0.31327407
ENSMUSG00000022106	0.467936	6.00620155	0.12998521	0.31359294
ENSMUSG00000025178	0.46781943	4.81298501	0.13585203	0.32174785
ENSMUSG00000059326	0.46765465	2.13227047	0.17855303	0.38132006
ENSMUSG00000040220	0.46763187	2.32815116	0.18231576	0.38596254
ENSMUSG00000031398	0.46650254	2.61611641	0.17333287	0.37527036
ENSMUSG00000024212	0.46627737	4.36932612	0.14091907	0.32893318
ENSMUSG00000022587	0.46604981	9.85260026	0.12809232	0.31118441
ENSMUSG00000066440	0.46577302	5.85617723	0.13208809	0.31647145
ENSMUSG00000038072	0.46575117	3.96517085	0.14251424	0.33121746
ENSMUSG00000043019	0.46570018	7.1095243	0.12966714	0.31315521
ENSMUSG00000054400	0.46567084	2.97169075	0.15833538	0.35403042
ENSMUSG00000097412	0.46490088	2.92309501	0.1650398	0.36420491
ENSMUSG00000054843	0.46444801	3.38567591	0.14846719	0.34008546
ENSMUSG00000031969	0.46407358	2.8226914	0.1629918	0.36107304
ENSMUSG00000039065	0.46336491	2.95469008	0.16525348	0.36442572
ENSMUSG00000071657	0.46326124	4.26525176	0.14312118	0.33210469
ENSMUSG00000090213	0.4629056	5.0570344	0.13796526	0.32449669
ENSMUSG00000024413	0.46229045	5.58571871	0.1357655	0.32170844
ENSMUSG00000025746	0.46225898	4.93540138	0.13753491	0.32385741
ENSMUSG00000028970	0.46220677	6.93251401	0.13289174	0.31767016

ENSMUSG0000003068	0.46205527	4.965041	0.14005421	0.32755251
ENSMUSG00000061751	0.46180501	3.0578944	0.16143149	0.3587958
ENSMUSG00000041528	0.4614541	4.56000598	0.1429432	0.33193357
ENSMUSG00000027575	0.46131982	5.20734177	0.13870672	0.32567207
ENSMUSG00000020153	0.46129277	2.10964913	0.20206194	0.41176039
ENSMUSG00000002825	0.46104517	2.4567605	0.18006348	0.38302375
ENSMUSG00000061689	0.46060258	3.05672807	0.16934789	0.3697606
ENSMUSG00000035790	0.4605863	3.54121774	0.15483988	0.34903706
ENSMUSG00000017801	0.46026343	5.66743866	0.1375433	0.32385741
ENSMUSG00000024392	0.46025713	5.88130636	0.13726195	0.32366593
ENSMUSG00000035168	0.46017792	3.62822181	0.15302537	0.34613992
ENSMUSG00000026664	0.45990755	5.08886217	0.13970451	0.32708933
ENSMUSG00000012114	0.45981203	4.88122857	0.14133592	0.32954952
ENSMUSG00000001173	0.45916113	4.73632486	0.14266147	0.3313507
ENSMUSG00000019362	0.45871563	4.36544485	0.14717426	0.33804626
ENSMUSG00000025477	0.45863923	3.05373838	0.16361698	0.36178911
ENSMUSG00000030921	0.45799976	9.08781846	0.1348897	0.32061946
ENSMUSG00000053398	0.45790635	6.32304258	0.13818323	0.3249385
ENSMUSG00000041594	0.45775412	3.78632304	0.15190821	0.34509757
ENSMUSG00000024782	0.4575501	5.64513621	0.13973957	0.3271004
ENSMUSG00000040652	0.45740593	4.25285913	0.14932306	0.34109297
ENSMUSG00000037997	0.45731798	5.80252421	0.13951655	0.32679115
ENSMUSG00000039069	0.45688862	3.16990271	0.16660265	0.3662134
ENSMUSG00000036902	0.45683985	5.03258006	0.1421214	0.33066605
ENSMUSG00000050188	0.45662135	2.73224254	0.17500613	0.37790671
ENSMUSG00000019087	0.45636547	7.44942371	0.13734192	0.32366593
ENSMUSG00000034243	0.45631411	6.52488584	0.13835822	0.32507037
ENSMUSG00000063576	0.45605141	5.04219414	0.14416851	0.3337727
ENSMUSG00000061731	0.45543926	3.40285755	0.15986167	0.35618766
ENSMUSG00000028779	0.45535062	3.6068396	0.15639885	0.35108351
ENSMUSG00000023104	0.45514584	5.86287395	0.14142477	0.32961417
ENSMUSG00000028049	0.45479554	4.25052942	0.15162588	0.34452876
ENSMUSG00000003308	0.45443792	4.64529191	0.14925808	0.34109297
ENSMUSG00000051989	0.45432027	3.41396192	0.15907344	0.35494474
ENSMUSG00000028599	0.45384627	6.49563883	0.14072621	0.32869914
ENSMUSG00000033192	0.4537712	2.32254938	0.17647068	0.37888647
ENSMUSG00000037752	0.45364636	2.21316357	0.18697557	0.3919037
ENSMUSG00000024309	0.4532419	4.36268376	0.15281969	0.34594271
ENSMUSG00000038633	0.45297547	6.78476699	0.14100618	0.32906527
ENSMUSG00000033416	0.45245	4.64243215	0.14994356	0.34207559
ENSMUSG00000035642	0.45228855	2.10525949	0.19474871	0.40248565
ENSMUSG00000002996	0.45225204	5.12758864	0.14624351	0.33668677
ENSMUSG00000031505	0.45158466	3.4185264	0.16974391	0.37032537

ENSMUSG00000032892	0.4510667	3.58378373	0.16709891	0.36693841
ENSMUSG00000040820	0.45063549	3.59952328	0.16014163	0.35658246
ENSMUSG00000009863	0.44986233	6.25729471	0.1451382	0.33512917
ENSMUSG00000063646	0.44927249	2.56375141	0.18828016	0.39371984
ENSMUSG00000024052	0.4490496	5.70496553	0.14695867	0.3377669
ENSMUSG00000052712	0.44898974	5.78514819	0.14708054	0.33790298
ENSMUSG00000032316	0.44883648	5.51274622	0.14858689	0.34013182
ENSMUSG00000024446	0.44879627	2.11528265	0.19704127	0.4052819
ENSMUSG00000045302	0.44875289	6.50645462	0.14553036	0.33591596
ENSMUSG00000052125	0.44873014	2.47001813	0.18540154	0.39015058
ENSMUSG00000059981	0.44855893	5.89120255	0.14725976	0.33817062
ENSMUSG00000019179	0.44845922	7.39034288	0.14451619	0.33436227
ENSMUSG00000001034	0.44844854	2.99319428	0.17515078	0.3779109
ENSMUSG00000026854	0.44826804	2.71748804	0.18559771	0.39022922
ENSMUSG00000025858	0.44819558	4.94268433	0.15207166	0.34532339
ENSMUSG00000031458	0.44764728	2.02798091	0.21898055	0.43190821
ENSMUSG00000032508	0.4475784	5.64180079	0.14867317	0.34025709
ENSMUSG00000045231	0.44716442	1.92684742	0.20771494	0.41828652
ENSMUSG00000032127	0.44716182	5.46936915	0.14987083	0.34198202
ENSMUSG00000067825	0.44678619	1.95373014	0.21292588	0.42451335
ENSMUSG00000036067	0.44677943	5.03627771	0.15308273	0.34616148
ENSMUSG00000036002	0.44655023	3.24579195	0.17007014	0.37084227
ENSMUSG00000026849	0.44633017	4.77350386	0.15502857	0.34917045
ENSMUSG00000022205	0.44546812	8.74714789	0.14602264	0.33659
ENSMUSG00000096780	0.44545175	1.67986521	0.21977889	0.4323414
ENSMUSG00000016206	0.44545109	5.35984448	0.15203182	0.34530563
ENSMUSG00000039834	0.4446281	4.36216959	0.16047754	0.35696984
ENSMUSG00000095687	0.44453748	1.39874148	0.25880637	0.47806918
ENSMUSG00000038838	0.44440733	2.9866934	0.18142996	0.38483554
ENSMUSG00000053175	0.44435455	4.06337333	0.16350797	0.3616964
ENSMUSG00000009291	0.44429773	4.648511	0.15659834	0.35138504
ENSMUSG00000001576	0.44429594	6.37850135	0.14975837	0.34179773
ENSMUSG00000028211	0.4442084	7.12776562	0.14817548	0.33962261
ENSMUSG00000073987	0.44387518	3.16698797	0.17411408	0.37655906
ENSMUSG00000030966	0.44355037	5.60135569	0.15235273	0.34547404
ENSMUSG00000025521	0.44333198	4.48441181	0.15951632	0.35571215
ENSMUSG00000050199	0.44332063	2.27058093	0.19714741	0.4054229
ENSMUSG00000026111	0.44303089	4.96915516	0.1552953	0.34949977
ENSMUSG00000005161	0.44220253	5.98450785	0.15304109	0.34613992
ENSMUSG00000022136	0.44216661	8.27017333	0.14923808	0.34109297
ENSMUSG00000036052	0.44185572	3.12784212	0.17746031	0.37993488
ENSMUSG00000055762	0.44174684	7.19022463	0.15094831	0.34351225
ENSMUSG00000029076	0.44169975	7.31889403	0.15055601	0.3428925

ENSMUSG00000026965	0.44156238	5.5913787	0.15478993	0.34899741
ENSMUSG00000048677	0.44143699	3.29152888	0.17624355	0.37875855
ENSMUSG00000004626	0.44121133	5.83569763	0.1540401	0.34803445
ENSMUSG00000008690	0.44113023	6.67610105	0.15229018	0.34547404
ENSMUSG00000034126	0.4411005	4.60947839	0.159956	0.3563242
ENSMUSG00000024646	0.44071846	5.59219436	0.15498433	0.34914372
ENSMUSG00000025731	0.44069121	2.34725946	0.19619506	0.40432073
ENSMUSG00000063316	0.44060361	6.8823198	0.15233531	0.34547404
ENSMUSG00000027006	0.44056432	7.67719491	0.15106617	0.34366592
ENSMUSG00000024521	0.44053155	6.5603989	0.15251504	0.34567512
ENSMUSG00000037525	0.44036298	1.49228728	0.24491616	0.46263371
ENSMUSG00000028461	0.44025019	3.30522534	0.18440468	0.38870603
ENSMUSG00000028677	0.44019053	4.97831157	0.16004126	0.35644052
ENSMUSG00000028070	0.44015853	3.93266952	0.17069363	0.37157046
ENSMUSG00000036672	0.43998511	3.66570097	0.17135709	0.37254553
ENSMUSG00000045165	0.43989267	4.80920228	0.15902538	0.35494474
ENSMUSG00000031328	0.43976393	8.9947782	0.15113722	0.34370809
ENSMUSG00000056367	0.4390672	2.30464284	0.20739635	0.41789279
ENSMUSG00000028937	0.43881887	4.20047055	0.16714724	0.36696168
ENSMUSG00000020196	0.43874635	5.74353159	0.15672343	0.35144634
ENSMUSG00000009293	0.43808656	4.96147708	0.16153813	0.35888642
ENSMUSG00000024560	0.43778843	4.56258015	0.16553837	0.36482014
ENSMUSG00000097194	0.43774992	3.82895603	0.17106748	0.37208385
ENSMUSG00000040940	0.43708836	6.44340589	0.15650929	0.35125832
ENSMUSG00000043923	0.43706645	2.95289218	0.18678144	0.39163612
ENSMUSG00000024426	0.43687292	2.25228464	0.20631719	0.41665255
ENSMUSG00000025545	0.43639496	3.78168034	0.17236713	0.37385501
ENSMUSG00000024797	0.43635661	3.36153611	0.18307457	0.38676308
ENSMUSG00000070420	0.43605818	2.38557731	0.19975084	0.40901045
ENSMUSG00000045268	0.43595017	2.17286748	0.20565207	0.41594745
ENSMUSG00000025140	0.43581017	3.02799428	0.18126273	0.38477585
ENSMUSG00000054263	0.43567262	5.01489855	0.16193657	0.35932593
ENSMUSG00000040272	0.43561149	1.86816448	0.23013347	0.44428201
ENSMUSG00000078570	0.4352843	1.40836573	0.2626638	0.48170884
ENSMUSG00000030095	0.4352318	4.7820811	0.16502868	0.36420491
ENSMUSG00000002068	0.43516776	6.62811276	0.15761402	0.35292973
ENSMUSG00000042628	0.43505673	4.28180216	0.1675663	0.36743289
ENSMUSG00000068922	0.4350069	4.26466185	0.16951375	0.37004783
ENSMUSG00000026698	0.43499555	4.44626045	0.16656348	0.36620196
ENSMUSG00000001472	0.43478198	7.35644339	0.15701855	0.3518155
ENSMUSG00000037993	0.43429833	5.1858074	0.16399442	0.36225231
ENSMUSG00000021003	0.43421171	3.23505253	0.18266305	0.3862428
ENSMUSG00000031709	0.43371746	4.96261567	0.16365728	0.36180403

ENSMUSG00000028479	0.43304986	4.58541432	0.16690384	0.36672597
ENSMUSG00000021338	0.43303167	3.82518904	0.17174524	0.37295623
ENSMUSG00000003269	0.43282059	4.23945644	0.17151086	0.37259732
ENSMUSG00000045362	0.43193091	5.00563049	0.16578179	0.36500424
ENSMUSG00000005873	0.43152806	6.01960011	0.16306637	0.36113583
ENSMUSG00000093674	0.43134252	6.78383158	0.16161934	0.35888642
ENSMUSG00000003865	0.43128768	3.71990915	0.17907062	0.3819
ENSMUSG00000042682	0.43119817	6.02244969	0.16291536	0.36097785
ENSMUSG00000025409	0.43119728	3.29828905	0.18868463	0.39431002
ENSMUSG00000021917	0.43056745	6.37774546	0.16257305	0.36047835
ENSMUSG00000037916	0.43033695	5.14955208	0.16852713	0.36856551
ENSMUSG00000013495	0.43030159	4.04141349	0.17645096	0.37888647
ENSMUSG00000042073	0.43025631	2.19603286	0.22194877	0.43486475
ENSMUSG00000068114	0.42905599	5.13086016	0.16927459	0.36971119
ENSMUSG00000030214	0.42830229	6.24897338	0.16509479	0.36423532
ENSMUSG00000032431	0.42825381	3.83758512	0.18090233	0.38443278
ENSMUSG00000026893	0.42771385	4.58517651	0.17141281	0.37254553
ENSMUSG00000030527	0.4274046	3.45417616	0.18637658	0.39125659
ENSMUSG00000050144	0.42644046	4.99420585	0.17226142	0.37370089
ENSMUSG00000037415	0.42584487	5.8155795	0.16863906	0.36873552
ENSMUSG00000022420	0.42565375	1.48265673	0.26758926	0.48654233
ENSMUSG00000022365	0.4256459	7.13407629	0.16597223	0.36527439
ENSMUSG00000030123	0.42537081	5.61880737	0.170084	0.37084227
ENSMUSG00000034403	0.42508448	4.03959516	0.18203781	0.38552548
ENSMUSG00000007029	0.424407	7.46317467	0.16702242	0.36691174
ENSMUSG00000027984	0.42434398	4.66045485	0.17740608	0.37993488
ENSMUSG00000028849	0.42415013	4.2079539	0.18071794	0.38423941
ENSMUSG00000047003	0.42376342	3.09146602	0.19563696	0.40362522
ENSMUSG00000024410	0.42365354	5.20344903	0.17352949	0.37554526
ENSMUSG00000006676	0.42308099	6.16680187	0.17058507	0.37140912
ENSMUSG00000046798	0.42265752	2.215519	0.22115329	0.43377902
ENSMUSG00000018740	0.42262503	1.52415841	0.2721482	0.49209359
ENSMUSG00000028124	0.42246551	6.26991168	0.17050182	0.37137782
ENSMUSG00000036752	0.42190484	7.7230343	0.16927488	0.36971119
ENSMUSG00000029148	0.42184462	6.11856407	0.17185223	0.37303833
ENSMUSG00000020844	0.42109137	3.52828022	0.19220977	0.39866162
ENSMUSG00000026958	0.42097688	3.79614385	0.19159441	0.39766362
ENSMUSG0000002803	0.42087797	2.78829635	0.20185336	0.41160995
ENSMUSG00000033940	0.42083602	6.06666491	0.17291947	0.37475153
ENSMUSG00000026288	0.42027446	8.12553769	0.17054792	0.37140321
ENSMUSG00000030282	0.42012632	5.6289266	0.17476528	0.37761346
ENSMUSG00000031304	0.4198351	6.71079815	0.17271246	0.37452868
ENSMUSG00000052142	0.41972883	6.61309132	0.1729154	0.37475153

ENSMUSG00000039771	0.4190712	4.32385709	0.18546932	0.39018751
ENSMUSG00000015745	0.4183064	4.18119732	0.18888495	0.39444913
ENSMUSG00000036968	0.41829598	4.61521569	0.18183918	0.38533183
ENSMUSG00000033487	0.41802192	7.41037783	0.17322883	0.37519576
ENSMUSG00000074863	0.41788621	1.64608099	0.2495505	0.4674252
ENSMUSG00000051586	0.41750677	3.11376301	0.19781388	0.40625723
ENSMUSG00000036270	0.41742363	5.44706871	0.17904388	0.3819
ENSMUSG00000014748	0.41722033	5.94778301	0.17719689	0.37976603
ENSMUSG00000039164	0.41719825	2.75016828	0.21395771	0.42601919
ENSMUSG00000069793	0.41719412	5.65561414	0.17794889	0.3806031
ENSMUSG00000030842	0.41715464	4.76587926	0.18452707	0.38888801
ENSMUSG00000039852	0.41710415	6.25517751	0.1760816	0.37868784
ENSMUSG00000027293	0.41697883	5.87591022	0.17769284	0.38020627
ENSMUSG00000022555	0.41679028	2.7618077	0.21855593	0.43143093
ENSMUSG00000023259	0.41656599	1.38427077	0.28821338	0.51019256
ENSMUSG00000031551	0.41642554	4.04741648	0.18957772	0.39483355
ENSMUSG00000035757	0.41635202	3.2847281	0.20423861	0.41400549
ENSMUSG00000038811	0.41615251	4.42331598	0.18722242	0.39211923
ENSMUSG00000037022	0.41575708	2.15648754	0.22824765	0.44237105
ENSMUSG00000032867	0.41544301	4.97320574	0.18372054	0.38755062
ENSMUSG00000029993	0.41538974	4.90676708	0.18288985	0.38659284
ENSMUSG00000061232	0.41510488	9.60827424	0.17518251	0.3779109
ENSMUSG00000076580	0.41497896	5.33553059	0.1806809	0.38423642
ENSMUSG00000021556	0.41491623	4.37243102	0.18612665	0.39103638
ENSMUSG00000046027	0.41435548	5.49073582	0.18151911	0.38488047
ENSMUSG00000044678	0.41410283	2.50203346	0.21334818	0.4251195
ENSMUSG00000020893	0.41396075	3.39387702	0.20635982	0.4166606
ENSMUSG00000020644	0.41328848	4.33268118	0.1885382	0.3941066
ENSMUSG00000020564	0.41275218	5.14345011	0.184771	0.38924995
ENSMUSG00000034422	0.4125993	9.22064552	0.17782132	0.38040569
ENSMUSG00000042677	0.41253197	4.57752272	0.18953921	0.39483355
ENSMUSG00000017009	0.41246498	7.32090905	0.17936942	0.38227665
ENSMUSG00000012117	0.41235559	5.76047742	0.1832091	0.3868125
ENSMUSG00000022075	0.41229558	6.4154342	0.18109575	0.3846635
ENSMUSG00000039853	0.41211176	3.7347179	0.19797974	0.40649182
ENSMUSG00000041263	0.41209015	3.1849594	0.21124665	0.42304251
ENSMUSG00000035215	0.41189298	3.24193551	0.21584249	0.42829374
ENSMUSG00000025077	0.41137438	3.42414443	0.20563039	0.41594745
ENSMUSG00000030322	0.41136132	5.37324675	0.18506922	0.38972592
ENSMUSG00000028545	0.41132053	4.22337919	0.1941965	0.40157527
ENSMUSG00000041765	0.41098044	4.29345608	0.19329679	0.40025203
ENSMUSG00000042380	0.41072093	2.78342851	0.2231313	0.43638881
ENSMUSG00000026792	0.41022285	2.04253085	0.25001887	0.46776605

ENSMUSG00000036989	0.41004945	2.1127069	0.25439986	0.47300829
ENSMUSG00000001642	0.40985732	6.84308832	0.18290028	0.38659284
ENSMUSG00000027639	0.40931607	8.98726045	0.18139591	0.38483554
ENSMUSG00000058290	0.40922393	5.98450611	0.18579044	0.39040611
ENSMUSG00000035278	0.40910155	4.03662264	0.20163892	0.41136476
ENSMUSG00000024911	0.40866824	3.7063705	0.20692346	0.4174079
ENSMUSG00000071652	0.4083016	5.17644857	0.19056286	0.39611957
ENSMUSG00000041084	0.40764886	7.57693579	0.18422031	0.38839333
ENSMUSG00000008140	0.40732983	3.96498844	0.20375481	0.41354402
ENSMUSG00000001521	0.40664895	4.50372666	0.19844437	0.40706701
ENSMUSG00000028648	0.40649091	3.89780815	0.20139236	0.41121735
ENSMUSG00000048965	0.4063527	2.60277441	0.23149335	0.44554214
ENSMUSG00000031821	0.40604482	3.92406034	0.2061081	0.41662038
ENSMUSG00000029622	0.40596849	6.03182793	0.18928866	0.39475709
ENSMUSG00000031967	0.4058516	5.89928686	0.18958161	0.39483355
ENSMUSG00000021203	0.40560775	3.29125149	0.2109062	0.42251764
ENSMUSG00000070738	0.40527435	7.63785447	0.18665601	0.39163612
ENSMUSG00000045795	0.40519572	3.87247869	0.20414731	0.41389822
ENSMUSG00000076583	0.4049042	5.92638511	0.18950118	0.39483355
ENSMUSG00000027439	0.40466141	4.64547914	0.19594792	0.40414813
ENSMUSG00000034116	0.40451257	7.26036562	0.18803981	0.39343886
ENSMUSG00000078580	0.40451132	0.96324132	0.32554654	0.55017927
ENSMUSG00000036292	0.40449485	2.71004831	0.2271803	0.44173726
ENSMUSG00000058076	0.40447133	5.78388274	0.19160425	0.39766362
ENSMUSG00000048310	0.40446309	4.01121047	0.20626309	0.41665255
ENSMUSG00000048578	0.40442251	8.78275748	0.18677236	0.39163612
ENSMUSG00000040859	0.40435067	4.99016351	0.19514304	0.40300111
ENSMUSG00000004567	0.40388791	4.13488239	0.20488953	0.41493496
ENSMUSG00000037710	0.40354762	5.44785412	0.19415329	0.40157527
ENSMUSG00000031066	0.40326322	4.97062363	0.19619903	0.40432073
ENSMUSG00000016528	0.40294987	6.97124333	0.19013976	0.39561396
ENSMUSG00000031513	0.4024795	3.41952577	0.21200438	0.4232897
ENSMUSG00000020654	0.40246516	3.60085453	0.21508475	0.42747997
ENSMUSG00000002660	0.40217204	3.19137496	0.22631427	0.44042713
ENSMUSG00000032540	0.40195323	3.93103529	0.20370483	0.41354402
ENSMUSG00000037890	0.40192237	2.03213598	0.25001887	0.46776605
ENSMUSG00000024570	0.40126448	3.46390145	0.21719884	0.42969589
ENSMUSG00000066036	0.40108003	7.49266995	0.19118242	0.39709383
ENSMUSG00000026203	0.40096879	3.23291638	0.22221534	0.43514984
ENSMUSG00000024074	0.40095271	3.13437433	0.21778043	0.43042123
ENSMUSG00000024325	0.40069071	2.28216098	0.25618181	0.47523402
ENSMUSG00000032121	0.40056915	1.72309558	0.25718864	0.47618063
ENSMUSG00000024414	0.40033301	4.26917151	0.20799308	0.41854776

ENSMUSG00000062007	0.4003168	3.96703104	0.20948938	0.42023193
ENSMUSG00000024921	0.40008707	5.55564958	0.19627939	0.40440904
ENSMUSG00000020009	0.39976373	4.94486162	0.20020312	0.40952018
ENSMUSG00000021646	0.39971108	3.60131484	0.2159549	0.42836854
ENSMUSG00000043091	0.39933558	6.20872207	0.19555017	0.40353135
ENSMUSG00000040688	0.39931668	5.04111315	0.20198626	0.41168396
ENSMUSG00000020253	0.39896108	4.69837735	0.20447933	0.41441555
ENSMUSG00000034330	0.39890994	8.20342813	0.19315264	0.4001072
ENSMUSG00000029621	0.39882915	5.98313098	0.19690852	0.40517952
ENSMUSG00000025647	0.39862461	8.89518608	0.19307497	0.40005765
ENSMUSG00000040721	0.39862244	1.93133774	0.26951879	0.48860716
ENSMUSG00000028393	0.39856896	2.61335705	0.24715341	0.4654737
ENSMUSG00000027654	0.39807805	3.83699936	0.21524763	0.4277189
ENSMUSG00000021879	0.39806179	1.64243142	0.26468377	0.48380069
ENSMUSG00000049502	0.3974632	8.03698301	0.19479853	0.40251146
ENSMUSG00000032114	0.3973085	2.52213522	0.24961487	0.4674252
ENSMUSG00000040007	0.39690107	4.4697395	0.20868388	0.41946917
ENSMUSG00000089872	0.39677329	3.31530066	0.22191163	0.43486475
ENSMUSG00000013997	0.39659985	4.48380661	0.20627883	0.41665255
ENSMUSG00000085037	0.39642484	2.14868513	0.24444466	0.4620705
ENSMUSG00000036639	0.39618466	3.49620035	0.2235094	0.43689059
ENSMUSG00000014633	0.39587743	3.53440773	0.22206848	0.43494124
ENSMUSG00000039158	0.39565477	7.23917856	0.19778948	0.40625723
ENSMUSG00000078484	0.395301	2.35074597	0.26179476	0.48119903
ENSMUSG00000028961	0.39512152	6.62388838	0.19957929	0.40887467
ENSMUSG00000020185	0.39482481	4.28771039	0.2116635	0.4232897
ENSMUSG00000003234	0.39471437	5.7584707	0.20258661	0.41239201
ENSMUSG00000004266	0.39439136	7.95601452	0.19850372	0.40706701
ENSMUSG00000041977	0.39435249	4.91503799	0.20623411	0.41665255
ENSMUSG00000024824	0.39419211	4.8580593	0.20886419	0.41967419
ENSMUSG00000073609	0.39413458	3.85324168	0.21476958	0.4272413
ENSMUSG00000036825	0.3939426	3.98634792	0.21622449	0.4285877
ENSMUSG00000037523	0.39377363	5.45444375	0.2047229	0.4147533
ENSMUSG00000078974	0.39325072	6.07270068	0.20277107	0.41253819
ENSMUSG00000026637	0.39308921	3.30761666	0.2281227	0.44237105
ENSMUSG00000001166	0.39308753	3.23225371	0.23105117	0.44510924
ENSMUSG00000046556	0.3926784	3.21419766	0.22928215	0.44351187
ENSMUSG00000042349	0.39233863	5.59451177	0.20572312	0.41599815
ENSMUSG00000022477	0.39194004	7.65564351	0.20157365	0.41136476
ENSMUSG00000029557	0.39180941	1.58016798	0.31404229	0.53844548
ENSMUSG00000037020	0.39135653	4.27280606	0.21508775	0.42747997
ENSMUSG00000036398	0.39134722	5.62958072	0.20738501	0.41789279
ENSMUSG00000009566	0.39066233	3.62309338	0.22793209	0.4421694

ENSMUSG00000026110	0.39048788	6.76151214	0.20394125	0.41363597
ENSMUSG00000028848	0.39029695	3.08485301	0.2360878	0.45154685
ENSMUSG00000031506	0.39000721	6.74122081	0.20501108	0.41502524
ENSMUSG00000011884	0.38998732	5.47783483	0.20924374	0.42012372
ENSMUSG00000063382	0.38992816	2.36232139	0.26958574	0.48860716
ENSMUSG00000046947	0.38948737	3.29735338	0.22967289	0.44371057
ENSMUSG00000027566	0.38906752	7.25632694	0.20541254	0.41575992
ENSMUSG00000035212	0.38881406	5.00783439	0.21256934	0.42388087
ENSMUSG00000063065	0.3883576	4.30787107	0.21999036	0.43259956
ENSMUSG00000025612	0.38834641	4.58532703	0.21555499	0.428093
ENSMUSG00000035954	0.3875082	1.63536416	0.2737182	0.49354026
ENSMUSG00000050106	0.38742798	3.88692965	0.22498125	0.43886133
ENSMUSG00000002102	0.38735079	7.14330742	0.20775847	0.41828652
ENSMUSG00000031659	0.38704421	6.61047518	0.20854157	0.41933849
ENSMUSG00000034401	0.38699704	4.34326302	0.21935749	0.43192533
ENSMUSG00000025278	0.38644768	6.23668228	0.21022664	0.42162621
ENSMUSG00000033068	0.386328	4.62266638	0.22049395	0.43311599
ENSMUSG00000064284	0.38580781	2.47536004	0.27519742	0.4951237
ENSMUSG00000038893	0.38573976	2.68699862	0.25088612	0.46881925
ENSMUSG00000036992	0.38559204	4.63158581	0.21936712	0.43192533
ENSMUSG00000029426	0.38525422	4.94513948	0.21715985	0.42969589
ENSMUSG00000038861	0.38509577	6.26527828	0.21202259	0.4232897
ENSMUSG00000087642	0.38456397	3.67751461	0.23616145	0.45154685
ENSMUSG00000017307	0.38444186	1.90397296	0.28814273	0.51015124
ENSMUSG00000030643	0.3842228	3.98867657	0.23038522	0.4444158
ENSMUSG00000020821	0.38418374	5.0784657	0.21821707	0.43084087
ENSMUSG00000047115	0.38412993	2.23330108	0.2613783	0.48079817
ENSMUSG00000020788	0.38410196	6.78331725	0.21219742	0.42337409
ENSMUSG00000040591	0.38400285	2.71237502	0.25314047	0.47131678
ENSMUSG00000038695	0.38382624	2.06689743	0.30157833	0.52480567
ENSMUSG00000025153	0.38371967	7.10702288	0.2119774	0.4232897
ENSMUSG00000022504	0.38371432	7.42716107	0.21140366	0.4231212
ENSMUSG00000025507	0.3834035	4.09751921	0.22828217	0.44237105
ENSMUSG0000003992	0.38335344	3.59716605	0.23571822	0.45102649
ENSMUSG00000040385	0.38322396	8.48091417	0.21111542	0.42285823
ENSMUSG00000020715	0.38298303	4.7705642	0.22030143	0.43294744
ENSMUSG00000033902	0.38273201	4.4062463	0.22470575	0.43861569
ENSMUSG00000038170	0.38271187	5.96494424	0.21504758	0.42747997
ENSMUSG00000013622	0.38269132	4.66289502	0.22347149	0.43689059
ENSMUSG00000047613	0.38268293	2.81859526	0.25995866	0.47929461
ENSMUSG00000000743	0.38246566	5.24359801	0.21929051	0.43192533
ENSMUSG00000031700	0.3823755	2.88825508	0.2573576	0.47637219
ENSMUSG00000056724	0.38236961	3.88143809	0.2343153	0.44889965

ENSMUSG0000004270	0.38208672	6.05360658	0.21624126	0.4285877
ENSMUSG00000027466	0.38204417	4.92568986	0.22267436	0.4358113
ENSMUSG00000039844	0.38199981	7.62093001	0.21323619	0.42497488
ENSMUSG00000025204	0.38185624	5.0950528	0.22105131	0.43365787
ENSMUSG00000041881	0.38114189	3.4125031	0.24848049	0.46695136
ENSMUSG00000030058	0.38068432	7.48228342	0.21501768	0.42747997
ENSMUSG00000033055	0.38037288	3.49803322	0.24386301	0.46153364
ENSMUSG00000040188	0.38017734	5.93457735	0.21903802	0.43190821
ENSMUSG00000029145	0.38001366	4.72083861	0.22698076	0.44143561
ENSMUSG00000048755	0.37995787	3.36034564	0.24891926	0.46716764
ENSMUSG00000036853	0.37995687	2.55861929	0.26059685	0.48019292
ENSMUSG00000035208	0.37993607	6.7955176	0.2163703	0.42876466
ENSMUSG00000019214	0.37955722	3.17426855	0.25313408	0.47131678
ENSMUSG00000003812	0.37948327	4.95280123	0.22533759	0.43911105
ENSMUSG00000045128	0.37902197	7.24997685	0.21765331	0.43027924
ENSMUSG00000025757	0.37899259	4.74419199	0.22551836	0.43922117
ENSMUSG00000032743	0.37866722	3.3000718	0.2471969	0.4654743
ENSMUSG00000057219	0.37857857	2.60333205	0.26823288	0.48720456
ENSMUSG00000030532	0.37854821	0.54881296	0.41307049	0.62828662
ENSMUSG00000024947	0.37842518	4.70381803	0.22893989	0.44308826
ENSMUSG00000029592	0.37840727	3.53850277	0.24508202	0.4627651
ENSMUSG00000029798	0.37836788	7.4496819	0.21751604	0.43008672
ENSMUSG00000030298	0.37829469	6.69055377	0.2193298	0.43192533
ENSMUSG00000039936	0.37790439	6.99897806	0.21911942	0.43192533
ENSMUSG00000034932	0.37731955	3.839899	0.242263	0.45955395
ENSMUSG00000046805	0.37695265	8.03429105	0.21861069	0.43146004
ENSMUSG00000038644	0.37686447	4.24852631	0.23553821	0.45076203
ENSMUSG00000041891	0.37657162	7.67471957	0.2195761	0.43217898
ENSMUSG00000037563	0.37649482	7.9236452	0.21964332	0.43223239
ENSMUSG00000025485	0.37631325	5.08741864	0.2286313	0.44272938
ENSMUSG00000049339	0.37622101	5.25718318	0.22757522	0.44187453
ENSMUSG00000032890	0.37595644	2.60139613	0.28180205	0.50278208
ENSMUSG00000036918	0.37589141	5.00865672	0.2294552	0.44367134
ENSMUSG00000023909	0.37547198	1.10788117	0.34857583	0.57233055
ENSMUSG00000055228	0.37497277	3.25276665	0.24291395	0.46038384
ENSMUSG00000056310	0.37436036	4.59006236	0.23606457	0.45154685
ENSMUSG00000036632	0.37420993	5.57609035	0.22721779	0.44173726
ENSMUSG00000029458	0.37409383	5.59220433	0.22771594	0.44190907
ENSMUSG00000029771	0.37400983	6.58345907	0.22467023	0.43861569
ENSMUSG00000039738	0.37386685	5.8056395	0.22649646	0.44065269
ENSMUSG00000020610	0.37386668	3.93567134	0.24402449	0.46163131
ENSMUSG00000039195	0.37369697	1.97824955	0.29919191	0.52174735
ENSMUSG00000078606	0.37365151	4.06754487	0.2345182	0.44920857

ENSMUSG00000036315	0.37359838	4.85640053	0.23327959	0.44794998
ENSMUSG00000021248	0.37350181	7.99557489	0.22312578	0.43638881
ENSMUSG00000036864	0.37345665	1.85351623	0.31130625	0.53585421
ENSMUSG00000007817	0.37341986	5.82193384	0.22753863	0.44187453
ENSMUSG00000052684	0.37327528	3.86861357	0.24251758	0.45979423
ENSMUSG00000024816	0.37291857	4.90542777	0.2340157	0.44856475
ENSMUSG00000075467	0.37274834	3.77041845	0.24867438	0.46695136
ENSMUSG00000071647	0.37269374	4.74263824	0.23497196	0.44975818
ENSMUSG00000029204	0.37268929	5.17438546	0.23163354	0.44566209
ENSMUSG00000034707	0.37258664	7.52025973	0.22476799	0.43863517
ENSMUSG00000028645	0.37224964	3.94428541	0.24544754	0.46323175
ENSMUSG00000069744	0.37207636	5.9924831	0.22923445	0.44349916
ENSMUSG00000061898	0.37206046	3.89117997	0.24464183	0.46227746
ENSMUSG00000031059	0.37200134	5.95801143	0.2289211	0.44308826
ENSMUSG00000024799	0.37197169	2.18429248	0.28476189	0.50618118
ENSMUSG00000051498	0.37186633	3.60650431	0.24966331	0.4674252
ENSMUSG00000028630	0.37182853	3.13616644	0.25799001	0.4769697
ENSMUSG00000041958	0.37176971	5.18982096	0.23325841	0.44794998
ENSMUSG00000046031	0.37162336	1.16379723	0.36682836	0.58884743
ENSMUSG00000058979	0.37045977	3.59629624	0.25258286	0.47076626
ENSMUSG00000019261	0.37021757	1.05742362	0.37302372	0.59472025
ENSMUSG00000031539	0.3695049	4.15414028	0.24415874	0.46176917
ENSMUSG00000033020	0.36940137	2.72886938	0.27635791	0.49645676
ENSMUSG00000074802	0.36932081	5.31807072	0.23424686	0.44884829
ENSMUSG00000076518	0.36899464	3.64919963	0.24839755	0.46695136
ENSMUSG00000003680	0.3687492	4.82092158	0.23823115	0.45431636
ENSMUSG00000017386	0.36826306	2.94773868	0.27455353	0.49448602
ENSMUSG00000029627	0.36801352	2.44974206	0.29216452	0.5142191
ENSMUSG00000044712	0.36794268	2.6819401	0.2791909	0.4999659
ENSMUSG00000018707	0.3678611	7.51921924	0.23052991	0.44449036
ENSMUSG00000027075	0.36774645	3.18210502	0.26235426	0.48148882
ENSMUSG00000037260	0.36703471	4.7662532	0.24058673	0.45749379
ENSMUSG00000029512	0.36648971	4.02567794	0.24974195	0.46749126
ENSMUSG00000022090	0.36615529	3.48101962	0.26214955	0.48144719
ENSMUSG00000034557	0.36573143	1.04060544	0.32947735	0.55464628
ENSMUSG00000089855	0.36529952	5.27929598	0.24263475	0.45993551
ENSMUSG00000030590	0.36525079	2.52327907	0.28117287	0.50218089
ENSMUSG00000073838	0.36522506	4.91426387	0.24425951	0.46181149
ENSMUSG00000004500	0.36512623	4.02196867	0.25151321	0.46982824
ENSMUSG00000031065	0.36494164	5.8674612	0.23829506	0.45434475
ENSMUSG00000043262	0.36461099	4.32052558	0.24606028	0.46398218
ENSMUSG00000090137	0.36425564	0.59231526	0.42584193	0.63955617
ENSMUSG00000024487	0.36424091	5.86031988	0.23834897	0.4543672

ENSMUSG00000071711	0.36364999	2.00461078	0.30717872	0.53112318
ENSMUSG00000060012	0.36358782	3.45812168	0.26359175	0.48277403
ENSMUSG00000003166	0.36332293	5.5418339	0.24153553	0.45890049
ENSMUSG00000087679	0.3627512	3.92187856	0.25677795	0.47575778
ENSMUSG00000031402	0.36247861	6.07066632	0.24033372	0.45726162
ENSMUSG00000044060	0.36206501	3.36728482	0.26481044	0.4838556
ENSMUSG00000026171	0.36200148	4.27563833	0.25193212	0.47028492
ENSMUSG00000044390	0.36178643	1.26823789	0.34898132	0.57253042
ENSMUSG00000026942	0.36138118	4.79540399	0.24962663	0.4674252
ENSMUSG00000024826	0.36136769	6.18461811	0.24173516	0.459
ENSMUSG00000032965	0.36135214	3.36639003	0.26986346	0.48886403
ENSMUSG00000000708	0.36091745	5.54711369	0.24379652	0.46148879
ENSMUSG00000040356	0.36055864	4.96032109	0.24982171	0.4675594
ENSMUSG00000021552	0.36054537	3.21543077	0.26857817	0.48743638
ENSMUSG00000003178	0.36028687	3.32979238	0.26615786	0.48539207
ENSMUSG00000025759	0.35999664	4.07873656	0.25425109	0.4728132
ENSMUSG00000022802	0.35983702	2.20687869	0.29174188	0.5139919
ENSMUSG00000095595	0.35974548	4.8218342	0.24903578	0.46724664
ENSMUSG00000033540	0.35923723	3.97803365	0.26071102	0.48019292
ENSMUSG00000076577	0.35870335	4.91660628	0.2506034	0.4684533
ENSMUSG00000025034	0.35863939	3.12374821	0.2741796	0.49402721
ENSMUSG00000032116	0.35861376	9.32409031	0.24133847	0.45860688
ENSMUSG00000020393	0.35808334	4.01153438	0.25944592	0.47859472
ENSMUSG00000037622	0.35754817	3.07298246	0.28619615	0.50778862
ENSMUSG00000031753	0.35741926	5.7263843	0.24867445	0.46695136
ENSMUSG00000019210	0.35690493	6.05454099	0.24819895	0.46679063
ENSMUSG00000000194	0.35677765	5.66550895	0.24920465	0.46736194
ENSMUSG00000026425	0.35672344	6.49644872	0.24675885	0.46489298
ENSMUSG00000037628	0.35644781	4.21314235	0.25852027	0.47770435
ENSMUSG00000024892	0.35633399	1.67278985	0.35920953	0.5813771
ENSMUSG00000022515	0.35622114	3.427644	0.27461503	0.49448602
ENSMUSG00000032123	0.35529032	4.76547773	0.25685888	0.47575778
ENSMUSG00000041645	0.35523142	7.87936229	0.24675834	0.46489298
ENSMUSG00000030881	0.35512316	4.74755163	0.25750653	0.47647203
ENSMUSG00000006335	0.35478182	2.89877585	0.28533815	0.50693354
ENSMUSG00000033423	0.35449982	3.89107412	0.26862708	0.48744311
ENSMUSG00000027248	0.35446789	11.0414834	0.24649357	0.46463672
ENSMUSG00000023307	0.35439278	6.51554835	0.2496351	0.4674252
ENSMUSG00000020108	0.35419782	4.01326533	0.26592121	0.48530959
ENSMUSG00000028847	0.35414274	5.27055063	0.25567037	0.47479752
ENSMUSG00000007892	0.35376155	6.39527611	0.25208189	0.47037834
ENSMUSG00000024369	0.35351079	4.16079582	0.2666006	0.48569517
ENSMUSG00000020834	0.35333396	2.54271489	0.30537661	0.52887137

ENSMUSG00000052423	0.35302701	3.87522671	0.26980809	0.48884584
ENSMUSG00000056228	0.35280144	4.04526238	0.2677506	0.48659964
ENSMUSG00000039615	0.35243848	4.32670272	0.26822445	0.48720456
ENSMUSG00000041684	0.35243312	4.07634302	0.26456582	0.48380069
ENSMUSG00000039307	0.3518036	2.77160625	0.29250073	0.51448832
ENSMUSG00000032184	0.3517907	1.0581026	0.40595156	0.62334923
ENSMUSG00000024169	0.35098604	5.8358972	0.25662446	0.47558655
ENSMUSG00000041187	0.35097352	6.01372594	0.25621389	0.47523402
ENSMUSG00000026819	0.35048658	3.72241328	0.27781858	0.49800458
ENSMUSG00000046806	0.35044957	2.61651351	0.30304777	0.52651316
ENSMUSG00000039244	0.35039155	4.10623194	0.27301937	0.49275999
ENSMUSG00000042744	0.35037716	4.97293543	0.26076557	0.48020763
ENSMUSG00000031360	0.34947674	5.98223685	0.25772104	0.47671761
ENSMUSG00000032324	0.34936091	5.1937296	0.26129505	0.48078945
ENSMUSG00000040548	0.34913007	4.65878248	0.26672451	0.48570705
ENSMUSG00000040234	0.34889127	4.21306257	0.2709159	0.490441
ENSMUSG00000001524	0.34866308	3.69875455	0.281751	0.50278208
ENSMUSG00000030314	0.34823871	3.47545317	0.2907507	0.51316785
ENSMUSG00000045092	0.34816592	6.25597464	0.25893119	0.47821783
ENSMUSG00000030220	0.34808792	9.89428908	0.25527341	0.474142
ENSMUSG00000030670	0.34806254	1.56340764	0.32879167	0.55375439
ENSMUSG00000025289	0.34778439	6.16785949	0.25980995	0.47910234
ENSMUSG00000036057	0.34767888	4.71584532	0.26955885	0.48860716
ENSMUSG00000002010	0.34732599	6.53735014	0.25966691	0.47892046
ENSMUSG00000025384	0.34639548	1.21783053	0.39674808	0.61528185
ENSMUSG00000005566	0.3461094	7.9191278	0.25914872	0.4784557
ENSMUSG00000026727	0.34585335	5.66297721	0.26385484	0.4829857
ENSMUSG00000039205	0.34578991	4.49459286	0.27411741	0.49402721
ENSMUSG00000028419	0.34568338	5.68867466	0.26405556	0.48313118
ENSMUSG00000026483	0.34567319	6.46993447	0.26165487	0.48102389
ENSMUSG00000052752	0.34552394	6.65281326	0.26184851	0.4812158
ENSMUSG00000069892	0.34550293	6.65755904	0.26087093	0.48031964
ENSMUSG00000039294	0.34514611	6.60163036	0.2622595	0.48147852
ENSMUSG00000026504	0.34507265	4.25702221	0.27546729	0.49535423
ENSMUSG00000078317	0.34497408	1.27998166	0.35737941	0.57954579
ENSMUSG00000002015	0.34477319	7.30630125	0.26149612	0.48085391
ENSMUSG00000003421	0.3447102	3.71105446	0.28600178	0.50765731
ENSMUSG00000057596	0.3444059	7.56619574	0.26130443	0.48078945
ENSMUSG00000020340	0.34439002	8.74529782	0.26071305	0.48019292
ENSMUSG00000024063	0.34412161	5.78521251	0.2665199	0.48569517
ENSMUSG00000020311	0.34399938	5.60082777	0.26606879	0.48533251
ENSMUSG00000073902	0.34328719	8.64746948	0.26215085	0.48144719
ENSMUSG00000060600	0.34319246	1.33778869	0.39291303	0.61275114

ENSMUSG00000074358	0.34281834	0.99028539	0.43694368	0.64901466
ENSMUSG00000039849	0.34278718	4.27200959	0.27953008	0.50040711
ENSMUSG00000057841	0.34237374	9.4078797	0.2633214	0.48252472
ENSMUSG00000042523	0.34193326	2.24035452	0.31476955	0.5394906
ENSMUSG00000022551	0.34189694	6.17803798	0.26850358	0.48738304
ENSMUSG00000073557	0.34157559	3.82630038	0.28418376	0.50546555
ENSMUSG00000022553	0.34136577	4.73066293	0.27696135	0.4971754
ENSMUSG00000084899	0.34110469	2.69363714	0.30597115	0.52954467
ENSMUSG00000038429	0.34107411	6.83596011	0.26775614	0.48659964
ENSMUSG00000028044	0.3407875	5.14027586	0.27461766	0.49448602
ENSMUSG00000014606	0.34072253	5.94349078	0.27028649	0.48944259
ENSMUSG00000021916	0.34042465	4.28857289	0.28080918	0.50194699
ENSMUSG00000039850	0.33994273	1.85516646	0.35212583	0.57532874
ENSMUSG00000063286	0.3397908	8.19370685	0.26727857	0.4863054
ENSMUSG00000022951	0.33977429	3.19805641	0.30481946	0.52853791
ENSMUSG00000059363	0.33897958	3.08956365	0.30970533	0.53380107
ENSMUSG00000029924	0.33887223	4.32730106	0.28110682	0.5021461
ENSMUSG00000015542	0.33872958	1.72344879	0.39349439	0.61309072
ENSMUSG00000070808	0.33860372	4.02531382	0.29065947	0.51309081
ENSMUSG00000054414	0.33834143	6.08456969	0.27267959	0.49242354
ENSMUSG00000032046	0.33829636	5.23011539	0.27698976	0.4971754
ENSMUSG00000064120	0.33820131	2.43705682	0.32493035	0.54974097
ENSMUSG00000034781	0.3381492	3.12587709	0.30285534	0.52626361
ENSMUSG00000037570	0.33771841	3.15451537	0.31160785	0.53620218
ENSMUSG00000047284	0.33757111	4.55436673	0.28504929	0.5065038
ENSMUSG00000022131	0.33739345	3.27498204	0.29728438	0.51942884
ENSMUSG00000045435	0.33711923	3.32252416	0.29935427	0.52194606
ENSMUSG00000025538	0.33679225	3.7664256	0.29273402	0.51481468
ENSMUSG00000053617	0.33665112	4.19216028	0.28782042	0.50974798
ENSMUSG0000002486	0.33614703	3.51129194	0.30254625	0.52598078
ENSMUSG00000035878	0.33611122	1.11995635	0.40115499	0.61932633
ENSMUSG00000020029	0.33601461	7.23342716	0.27368308	0.49354026
ENSMUSG00000034639	0.33595522	1.31678022	0.38892699	0.60957343
ENSMUSG00000015750	0.33585853	5.33815497	0.28041243	0.5013209
ENSMUSG00000027331	0.33533459	6.02571762	0.27758753	0.49767314
ENSMUSG00000053581	0.33531399	4.66677916	0.28486387	0.50625774
ENSMUSG00000067341	0.33499471	6.58221378	0.27623349	0.49640093
ENSMUSG00000018040	0.33478316	5.73618759	0.28024224	0.5011828
ENSMUSG00000002325	0.33444477	6.76655142	0.27675367	0.49692167
ENSMUSG00000028700	0.3343574	4.77107471	0.28602799	0.50765731
ENSMUSG00000031310	0.33348434	5.40134063	0.2827115	0.50401071
ENSMUSG00000027742	0.33338586	5.61066691	0.28151082	0.50261799
ENSMUSG00000030337	0.3332984	4.01980776	0.29202528	0.51421331

ENSMUSG00000028657	0.33319544	6.40208964	0.27935939	0.50018458
ENSMUSG00000024927	0.3331783	5.03038086	0.28714375	0.50896748
ENSMUSG00000042535	0.33300768	5.81328796	0.28205504	0.5030899
ENSMUSG00000022043	0.33291084	6.25584296	0.28011224	0.5010334
ENSMUSG00000037992	0.33243638	3.23233188	0.3204712	0.54530228
ENSMUSG00000042724	0.33233943	2.55790026	0.32645093	0.55118943
ENSMUSG00000029156	0.33231719	3.788542	0.29677469	0.51870636
ENSMUSG00000028102	0.33223777	4.04945223	0.29541818	0.51725762
ENSMUSG00000042817	0.33200261	5.56355323	0.28389629	0.50512483
ENSMUSG00000054021	0.33168186	1.20552317	0.3756462	0.59699164
ENSMUSG00000020781	0.33166763	3.35571975	0.31821274	0.54317299
ENSMUSG00000030733	0.33159362	4.50243865	0.29413991	0.51589203
ENSMUSG00000061887	0.33145691	4.5787007	0.29122932	0.5138444
ENSMUSG00000023243	0.33144817	3.49922406	0.30667032	0.53032917
ENSMUSG00000086605	0.33144279	2.46653079	0.33672	0.56097459
ENSMUSG00000039917	0.33138655	3.52583772	0.30738272	0.53136408
ENSMUSG00000005225	0.33057016	4.82137037	0.28984562	0.51215717
ENSMUSG00000022186	0.33030094	7.94315227	0.28127701	0.5022837
ENSMUSG00000042082	0.33017133	5.4689122	0.28710955	0.50896748
ENSMUSG00000030447	0.33009883	6.47570724	0.28368023	0.50506977
ENSMUSG00000015461	0.32972118	4.64274199	0.29513825	0.51701931
ENSMUSG00000009555	0.32895893	5.93972189	0.2875739	0.50956242
ENSMUSG00000024675	0.32885013	8.31503224	0.28300318	0.50428298
ENSMUSG00000028470	0.32867357	2.10352739	0.35136754	0.57483597
ENSMUSG00000039328	0.32860778	1.54199259	0.38983982	0.61042715
ENSMUSG00000021133	0.3282922	5.22324768	0.2914912	0.51390128
ENSMUSG00000001098	0.32825299	5.29131194	0.29146928	0.51390128
ENSMUSG00000028698	0.32807113	3.08997192	0.31639598	0.54098846
ENSMUSG00000025871	0.32795379	6.15245563	0.28777906	0.50974798
ENSMUSG00000019254	0.32779968	4.94244786	0.29498247	0.51683038
ENSMUSG00000034959	0.32765685	4.96874629	0.29394366	0.51589203
ENSMUSG00000038843	0.32695251	5.15906877	0.29284867	0.51487029
ENSMUSG00000069520	0.3267781	4.78205497	0.29677255	0.51870636
ENSMUSG00000029175	0.32667155	2.87177688	0.3313137	0.55650982
ENSMUSG00000034135	0.32664835	5.48443422	0.29290887	0.51487029
ENSMUSG00000018286	0.32634383	6.05448545	0.29138816	0.51390128
ENSMUSG00000025025	0.32599192	2.86810908	0.3313137	0.55650982
ENSMUSG00000028692	0.32515912	7.53628397	0.28937284	0.51148939
ENSMUSG00000009640	0.32508708	3.46902474	0.32053701	0.54530228
ENSMUSG00000027327	0.32505326	2.77221366	0.33583298	0.56008281
ENSMUSG00000033102	0.32502777	4.12672936	0.30370457	0.52731445
ENSMUSG00000033916	0.32480938	5.8092297	0.29430339	0.51589203
ENSMUSG00000018199	0.32400277	2.80206607	0.32469646	0.54953381

ENSMUSG00000040479	0.32376814	5.19031122	0.29914489	0.52174735
ENSMUSG00000037190	0.3234482	2.98136744	0.33155617	0.55652855
ENSMUSG00000063236	0.32340278	3.03158679	0.33459922	0.55936421
ENSMUSG00000000881	0.323402	4.99349205	0.29958047	0.52216863
ENSMUSG00000035443	0.32283295	4.79333809	0.30272319	0.52611876
ENSMUSG00000028199	0.32236524	2.35709567	0.35161992	0.57498087
ENSMUSG00000045576	0.32232335	2.89508036	0.33224678	0.55687742
ENSMUSG00000055839	0.32215823	3.65610224	0.31903644	0.54403683
ENSMUSG00000053044	0.32212184	1.32888017	0.35515124	0.57775698
ENSMUSG00000051238	0.32173345	2.1829397	0.36189428	0.58391051
ENSMUSG00000071650	0.32118392	8.66812866	0.29424689	0.51589203
ENSMUSG00000094724	0.32114774	1.3562168	0.42067813	0.63514811
ENSMUSG00000013593	0.3209503	6.88531355	0.29675817	0.51870636
ENSMUSG00000062691	0.32017302	3.07179616	0.3348609	0.55943299
ENSMUSG00000029516	0.32016154	5.32525084	0.30320869	0.52670788
ENSMUSG00000018761	0.31999004	5.15926504	0.30538594	0.52887137
ENSMUSG00000040528	0.31993507	4.90729738	0.30553428	0.52895836
ENSMUSG00000065979	0.31989049	4.03850767	0.31426784	0.53871632
ENSMUSG00000031703	0.31985029	6.57574145	0.29856209	0.52115467
ENSMUSG00000060802	0.31932978	11.0743195	0.29635552	0.51861002
ENSMUSG00000090210	0.3188737	1.73890362	0.39657141	0.61526686
ENSMUSG00000032497	0.31866698	4.55387132	0.31168619	0.53625141
ENSMUSG00000028618	0.31817809	6.53556502	0.30120677	0.52449763
ENSMUSG00000052146	0.31758441	6.84503012	0.3022281	0.52561791
ENSMUSG00000043384	0.31722974	5.57071244	0.30537365	0.52887137
ENSMUSG00000025260	0.31690569	4.70284187	0.31337987	0.53796379
ENSMUSG00000032038	0.31690331	3.59351906	0.32505246	0.54982381
ENSMUSG00000025486	0.31686781	1.0232791	0.44649291	0.65688671
ENSMUSG00000063931	0.31676035	4.04428173	0.32207248	0.5467433
ENSMUSG00000032952	0.31672651	5.04893067	0.3093618	0.53344382
ENSMUSG00000039183	0.31659504	4.83019662	0.31532124	0.54017859
ENSMUSG00000068739	0.31658921	6.77146848	0.3038465	0.52739106
ENSMUSG00000031516	0.31578803	4.31341883	0.31700061	0.54185046
ENSMUSG00000064326	0.31566285	2.77355428	0.36065061	0.58274741
ENSMUSG00000075256	0.3155938	2.30697017	0.35620381	0.57851354
ENSMUSG00000020775	0.3154701	4.30749749	0.32011281	0.54518265
ENSMUSG00000098332	0.31545469	1.74917421	0.38750486	0.60827546
ENSMUSG00000046417	0.31544965	1.96313411	0.38823851	0.60873677
ENSMUSG00000006526	0.31543068	3.68501425	0.32865232	0.55360616
ENSMUSG00000024130	0.31538403	4.88260447	0.31405658	0.53844548
ENSMUSG00000024007	0.3152608	5.43757088	0.31148425	0.53607503
ENSMUSG00000079197	0.31517182	8.12412644	0.30380396	0.52739106
ENSMUSG00000022848	0.31515403	2.57058569	0.36002054	0.58225278

ENSMUSG0000001123	0.3149724	8.7064561	0.30362772	0.52726592
ENSMUSG00000085882	0.31466507	1.79895292	0.38478349	0.60612112
ENSMUSG00000015291	0.31460092	7.40527477	0.3052197	0.52887137
ENSMUSG00000022364	0.31449375	5.77461861	0.30870622	0.53282457
ENSMUSG00000070336	0.3144675	1.26598591	0.3968235	0.61529038
ENSMUSG00000031639	0.31444998	2.87483619	0.33428715	0.55916746
ENSMUSG00000046876	0.31443853	5.291754	0.31065879	0.53507581
ENSMUSG00000019505	0.31383643	7.71630439	0.3062502	0.52977256
ENSMUSG00000030677	0.31377408	6.26746839	0.30932994	0.53344382
ENSMUSG00000026004	0.31346761	3.93694315	0.32120986	0.54596152
ENSMUSG00000030823	0.31326344	1.95760207	0.37262277	0.59434462
ENSMUSG00000042203	0.31307149	4.47918697	0.32122829	0.54596152
ENSMUSG00000097750	0.31274654	0.88035333	0.43912875	0.65024023
ENSMUSG00000020576	0.31265184	6.53199947	0.30967958	0.53380107
ENSMUSG00000028551	0.31263595	3.74090062	0.33531974	0.55950612
ENSMUSG00000014859	0.31245713	6.33990591	0.31130493	0.53585421
ENSMUSG00000006567	0.31211845	0.7812445	0.51469173	0.71039702
ENSMUSG00000029570	0.31184343	2.63452401	0.3776331	0.59923415
ENSMUSG00000023791	0.31171491	3.92923097	0.32602092	0.55080834
ENSMUSG00000001143	0.31168285	4.48822053	0.32209386	0.5467433
ENSMUSG00000001829	0.31154844	4.83075488	0.32089461	0.54556637
ENSMUSG00000016664	0.31148586	6.00548598	0.31327124	0.53789127
ENSMUSG00000046541	0.31146022	3.14966503	0.35325592	0.57624164
ENSMUSG00000049680	0.31085942	4.0644105	0.33239366	0.55698498
ENSMUSG00000098112	0.31066055	5.8761877	0.31547725	0.54030327
ENSMUSG00000025981	0.31050978	4.43726729	0.32038508	0.54530228
ENSMUSG00000030008	0.31020566	3.61874454	0.34216571	0.56585109
ENSMUSG00000025283	0.31015746	5.52092775	0.31615572	0.54078025
ENSMUSG00000027074	0.31002345	7.65907162	0.31210158	0.53662364
ENSMUSG00000068663	0.30996506	5.13923946	0.31991241	0.54492741
ENSMUSG00000023072	0.30967458	3.93699596	0.33457797	0.55936421
ENSMUSG00000022443	0.30957002	8.06275888	0.31250532	0.53699096
ENSMUSG00000035181	0.30945794	5.09149975	0.32018793	0.54522448
ENSMUSG00000021356	0.3093973	9.01156765	0.31200944	0.53662364
ENSMUSG00000015340	0.30912466	9.72279865	0.31221627	0.53673525
ENSMUSG00000014932	0.3090954	2.56213926	0.3381175	0.56234717
ENSMUSG00000045005	0.30863215	2.94715824	0.34950455	0.57264887
ENSMUSG00000031858	0.30850934	5.98963593	0.31772557	0.54265957
ENSMUSG00000003200	0.30838854	4.11841895	0.33657754	0.56090309
ENSMUSG00000016427	0.30804276	4.54759339	0.32756323	0.55272131
ENSMUSG00000039354	0.30800497	5.06495334	0.32359469	0.54842764
ENSMUSG00000047379	0.3077795	2.18136812	0.37523666	0.59678326
ENSMUSG00000031161	0.30775907	4.74831256	0.32828481	0.55333283

ENSMUSG00000032322	0.30748963	3.96890048	0.33757379	0.56170279
ENSMUSG00000001741	0.30735105	7.09601208	0.31709372	0.54192372
ENSMUSG00000075704	0.30717451	3.3864426	0.34872455	0.57233055
ENSMUSG00000025142	0.30707721	3.6575277	0.34484602	0.56868628
ENSMUSG00000011306	0.30698641	5.02120586	0.3258463	0.55059958
ENSMUSG00000022179	0.30681331	1.8386707	0.41097257	0.62668667
ENSMUSG00000097204	0.30645582	0.89039569	0.44926789	0.65917074
ENSMUSG00000025037	0.30640084	4.18495554	0.33178058	0.55652855
ENSMUSG00000034110	0.30633774	3.14509703	0.35202059	0.57526747
ENSMUSG00000068329	0.30630348	5.54570308	0.32429478	0.5490964
ENSMUSG00000029177	0.30606555	6.26017284	0.32088709	0.54556637
ENSMUSG00000051391	0.30605028	7.64904362	0.31832838	0.54317299
ENSMUSG00000021871	0.30599068	6.43611945	0.32075452	0.54556637
ENSMUSG00000033326	0.30562799	6.23645102	0.32196179	0.54671337
ENSMUSG00000003500	0.30538026	4.54246948	0.33502967	0.55945494
ENSMUSG00000028391	0.30528067	1.1262663	0.42427484	0.63830635
ENSMUSG00000044864	0.30513155	3.93610728	0.33852641	0.56250674
ENSMUSG00000018001	0.30481072	3.0399889	0.3579848	0.57983673
ENSMUSG00000000275	0.30478353	7.9619003	0.31991131	0.54492741
ENSMUSG00000042626	0.30458757	6.35193561	0.32312711	0.54797967
ENSMUSG00000006442	0.30449002	6.47100326	0.32349376	0.54842764
ENSMUSG00000037815	0.30430838	5.81701787	0.32541493	0.55004304
ENSMUSG00000057963	0.30414188	2.99917673	0.36473242	0.58653062
ENSMUSG00000073982	0.30385297	5.27704208	0.32972281	0.55485256
ENSMUSG00000039662	0.30365487	5.45654677	0.32798032	0.55314336
ENSMUSG00000015149	0.30362011	4.55556801	0.33511383	0.55950612
ENSMUSG00000001289	0.30338132	5.86031244	0.32722209	0.55223208
ENSMUSG00000045216	0.30315115	5.03770153	0.33241425	0.55698498
ENSMUSG00000033769	0.30285432	4.06448352	0.33962493	0.56372407
ENSMUSG00000025377	0.30284642	2.6864976	0.37647188	0.59785289
ENSMUSG00000031021	0.30205838	4.8190096	0.33381521	0.55865585
ENSMUSG00000003423	0.30191285	3.09995955	0.36874556	0.59056801
ENSMUSG00000026107	0.30188433	8.78377559	0.32396652	0.54888531
ENSMUSG00000030577	0.30169949	9.07645855	0.32428781	0.5490964
ENSMUSG00000018559	0.30144659	6.1347056	0.32952696	0.55464628
ENSMUSG00000053134	0.30140807	4.08300314	0.34492164	0.56868628
ENSMUSG00000024163	0.3012588	5.52735614	0.33220255	0.55687742
ENSMUSG00000019791	0.30116436	3.23963468	0.35980058	0.58198433
ENSMUSG00000045917	0.30105648	3.75344528	0.3476762	0.57154576
ENSMUSG00000039770	0.30093402	4.21139788	0.34091296	0.56455856
ENSMUSG00000066057	0.30083794	1.16170637	0.49014727	0.69114856
ENSMUSG00000031783	0.30078314	5.47750302	0.3333483	0.55820312
ENSMUSG00000034022	0.30074441	5.98685508	0.33097966	0.5563743

ENSMUSG00000026924	0.30066993	7.30564366	0.32719991	0.55223208
ENSMUSG00000021495	0.30050747	3.84059371	0.35138341	0.57483597
ENSMUSG00000019979	0.30049403	6.75119799	0.32802588	0.55314336
ENSMUSG00000022744	0.30049166	9.09900398	0.3261214	0.5508918
ENSMUSG00000033099	0.30012752	3.85105518	0.35447152	0.57726077
ENSMUSG00000029466	0.30008784	5.51212913	0.33382588	0.55865585
ENSMUSG00000031399	0.29926445	3.15781415	0.36840778	0.5903283
ENSMUSG00000051124	0.29907593	5.69650737	0.33361607	0.55854516
ENSMUSG00000028673	0.29903521	5.54040275	0.33561168	0.55982
ENSMUSG00000000278	0.29865473	6.82484685	0.33160093	0.55652855
ENSMUSG00000022544	0.29851011	2.96781497	0.36950259	0.59137962
ENSMUSG00000032604	0.29833432	7.30226103	0.33113874	0.5564906
ENSMUSG00000003808	0.29824471	5.9146051	0.33531489	0.55950612
ENSMUSG00000027828	0.29810217	9.74029112	0.32975242	0.55485256
ENSMUSG00000045282	0.29764186	0.882206	0.50272585	0.70115005
ENSMUSG00000015869	0.29760067	5.10165407	0.34017641	0.56420523
ENSMUSG00000047030	0.297569	4.6883458	0.34449873	0.56831488
ENSMUSG00000001065	0.29738408	3.01961059	0.37791047	0.59932154
ENSMUSG00000058301	0.29733014	5.78902974	0.33785565	0.56203708
ENSMUSG00000069808	0.29719448	3.24966762	0.36210229	0.58391051
ENSMUSG00000031728	0.29704903	2.35397847	0.40361159	0.62150359
ENSMUSG00000024622	0.29695824	5.56126499	0.33851046	0.56250674
ENSMUSG00000000876	0.29691731	3.21309953	0.36809343	0.59013135
ENSMUSG00000033703	0.29670944	2.18975072	0.40259962	0.6204994
ENSMUSG00000055943	0.2964197	6.30494158	0.33605506	0.5602996
ENSMUSG00000005779	0.29611502	7.66886431	0.33444953	0.55935231
ENSMUSG00000050786	0.29584273	2.19411554	0.39109505	0.61137642
ENSMUSG00000041346	0.29577834	3.60734559	0.36104003	0.58302721
ENSMUSG00000040312	0.29545308	2.47875043	0.38740832	0.6082343
ENSMUSG00000036944	0.29542205	3.93880699	0.35382908	0.57669803
ENSMUSG00000043773	0.29542169	3.45807611	0.35716907	0.57937895
ENSMUSG00000026946	0.29519468	5.68965568	0.34024615	0.56423412
ENSMUSG00000039395	0.29468594	5.93109298	0.34037756	0.56435327
ENSMUSG00000076677	0.29460892	6.00980944	0.33922005	0.56315466
ENSMUSG00000009549	0.29410847	5.88135256	0.34111879	0.56464653
ENSMUSG00000030707	0.29402782	8.20027666	0.33734371	0.56160326
ENSMUSG00000023048	0.29399925	5.27805142	0.34504513	0.5687812
ENSMUSG00000048799	0.2938286	6.10614999	0.34057136	0.56442625
ENSMUSG00000025474	0.2934463	5.271652	0.34562632	0.56939112
ENSMUSG00000045822	0.29333442	2.70700456	0.375102	0.59678326
ENSMUSG00000006850	0.29211398	2.4517084	0.41266659	0.6281807
ENSMUSG00000032557	0.29203186	6.05596227	0.3439449	0.56776034
ENSMUSG00000061479	0.2919826	5.13380367	0.34938329	0.57260629

ENSMUSG00000020477	0.29197651	3.71341714	0.36859211	0.59053593
ENSMUSG00000000441	0.29183521	6.91538959	0.34243378	0.56616397
ENSMUSG00000042213	0.29182524	2.70517293	0.39279029	0.61264831
ENSMUSG00000020869	0.29169285	8.07171514	0.3411872	0.56466586
ENSMUSG00000019923	0.29166968	7.50810389	0.34161638	0.56511597
ENSMUSG00000020372	0.29138049	9.95049939	0.34081038	0.56454669
ENSMUSG00000029313	0.29098176	7.23266886	0.34290552	0.56655326
ENSMUSG00000070953	0.29009163	4.05750079	0.36024747	0.58247522
ENSMUSG00000070822	0.28987459	1.54090398	0.45110806	0.66079182
ENSMUSG00000038274	0.28949441	5.22749441	0.35407748	0.57680326
ENSMUSG00000057530	0.28946197	4.21751357	0.36038182	0.58247522
ENSMUSG00000031090	0.28936483	2.7260197	0.40742387	0.62395419
ENSMUSG00000032633	0.28915495	5.22775961	0.35375817	0.57669803
ENSMUSG00000017774	0.28853161	6.60654368	0.34917092	0.57254306
ENSMUSG00000018449	0.28803783	4.04613802	0.36701391	0.58891694
ENSMUSG00000032119	0.28778537	4.15544612	0.36564074	0.58755323
ENSMUSG00000024597	0.28757187	6.62854632	0.34959853	0.57264887
ENSMUSG00000056941	0.28751306	4.54964102	0.35941918	0.58147497
ENSMUSG00000024906	0.28745799	2.63348751	0.41556851	0.6302195
ENSMUSG00000037548	0.28732339	7.95146822	0.34861081	0.57233055
ENSMUSG00000079685	0.28728972	5.5229841	0.35246824	0.57556292
ENSMUSG00000037405	0.28717878	6.42134432	0.35168526	0.57498087
ENSMUSG00000002580	0.28705581	5.50750632	0.35512831	0.57775698
ENSMUSG00000008668	0.28701488	8.38798287	0.34887457	0.57246856
ENSMUSG00000068742	0.28696503	3.35525335	0.38349364	0.60479605
ENSMUSG00000029171	0.28648358	5.2776703	0.35665257	0.5788023
ENSMUSG00000028189	0.2863764	3.65151081	0.3719269	0.59358587
ENSMUSG00000024350	0.28612562	5.17219965	0.35735576	0.57954579
ENSMUSG00000022177	0.28593523	4.17180502	0.3705863	0.59244981
ENSMUSG00000048787	0.28469023	3.08375285	0.38596237	0.60687924
ENSMUSG00000033530	0.28468502	4.56738761	0.36598077	0.58783685
ENSMUSG00000020717	0.2844663	6.35276461	0.35588815	0.57848057
ENSMUSG00000034066	0.28420985	2.61268123	0.38944782	0.61017075
ENSMUSG00000011837	0.28420402	3.11930091	0.39720708	0.61570808
ENSMUSG00000022439	0.28414381	7.22989248	0.35495713	0.57761546
ENSMUSG00000034088	0.28408973	9.52021613	0.35306534	0.57624164
ENSMUSG00000024613	0.28407477	6.4819739	0.35714358	0.57937895
ENSMUSG00000023118	0.28402212	6.31299645	0.3576379	0.57973159
ENSMUSG00000032239	0.28390574	4.47896145	0.36696074	0.58891694
ENSMUSG00000072889	0.28376898	4.96122984	0.363073	0.58473405
ENSMUSG00000027637	0.2837008	6.76055948	0.35625988	0.57851354
ENSMUSG00000038467	0.28352447	7.16313676	0.35602518	0.57848057
ENSMUSG00000021910	0.2834861	7.12798334	0.3560206	0.57848057

ENSMUSG00000051344	0.2832155	6.12169238	0.35791321	0.57983673
ENSMUSG00000073481	0.2829853	5.54699305	0.36225742	0.58391156
ENSMUSG00000048154	0.28282184	5.51762533	0.36133504	0.58324159
ENSMUSG00000028221	0.28274716	4.56441096	0.36628197	0.58823302
ENSMUSG00000038503	0.28205872	5.84586182	0.36223949	0.58391156
ENSMUSG00000032218	0.28164287	6.10309167	0.36207717	0.58391051
ENSMUSG00000021298	0.28157698	6.0938553	0.36203515	0.58391051
ENSMUSG00000038543	0.28129504	4.31438756	0.37449351	0.5962702
ENSMUSG00000027247	0.28101472	5.92731746	0.36366079	0.58524369
ENSMUSG00000025354	0.2808658	6.27195469	0.36237988	0.58396663
ENSMUSG00000041926	0.2808106	5.66888024	0.36543601	0.58731177
ENSMUSG00000036026	0.28078299	3.69954032	0.38647151	0.60718368
ENSMUSG00000028108	0.28069886	0.87817228	0.53392486	0.72546293
ENSMUSG00000081453	0.28050245	1.27187036	0.46985724	0.67613297
ENSMUSG00000070972	0.28009025	4.16453583	0.37527405	0.59678326
ENSMUSG00000015312	0.27988227	4.42012884	0.37399958	0.59574764
ENSMUSG00000039163	0.27984861	3.01717989	0.39369478	0.61309072
ENSMUSG00000011114	0.27956498	6.26961128	0.3648712	0.58657887
ENSMUSG00000036478	0.27885492	7.82759559	0.36272094	0.58442889
ENSMUSG00000027628	0.27884538	4.75306716	0.37524434	0.59678326
ENSMUSG00000011267	0.27884274	2.23160637	0.43955786	0.65049746
ENSMUSG00000036368	0.27839022	2.19198545	0.43082618	0.64420819
ENSMUSG00000030816	0.27824374	5.43167033	0.37161153	0.59352173
ENSMUSG00000061028	0.27779517	3.52555781	0.39360076	0.61309072
ENSMUSG00000045691	0.27770302	2.94459788	0.40798081	0.62398323
ENSMUSG00000021886	0.27769617	5.53971432	0.37005106	0.59199386
ENSMUSG00000070737	0.27768632	1.03707742	0.48227225	0.68534066
ENSMUSG00000041697	0.27746969	5.69723874	0.371317	0.59322705
ENSMUSG00000049739	0.27743539	5.78342976	0.3701699	0.59200834
ENSMUSG00000068798	0.27704889	7.94005226	0.3658588	0.58772849
ENSMUSG00000026864	0.27702357	11.4682889	0.36482267	0.58657887
ENSMUSG00000001588	0.27639131	6.42571517	0.37010922	0.59199909
ENSMUSG00000002768	0.27584222	4.11962956	0.39041175	0.61074145
ENSMUSG00000063019	0.27572034	2.6007316	0.4252462	0.6390545
ENSMUSG00000034926	0.27552123	5.66550752	0.37534573	0.59678326
ENSMUSG00000078349	0.27547841	1.64612396	0.46142954	0.6690046
ENSMUSG00000026409	0.275392	3.02794856	0.39632371	0.61526686
ENSMUSG00000025008	0.27529344	3.49346464	0.39464538	0.61406435
ENSMUSG00000029233	0.27523571	4.54354538	0.38035096	0.60162631
ENSMUSG00000025453	0.27517326	5.12634455	0.37575003	0.59703673
ENSMUSG00000020183	0.27506663	4.56864722	0.38235322	0.60374152
ENSMUSG00000033161	0.27477136	8.34198084	0.36972619	0.59156191
ENSMUSG00000057788	0.27459364	4.4632503	0.38525708	0.60635046

ENSMUSG00000041203	0.27453043	5.64442927	0.37566629	0.59699164
ENSMUSG00000035325	0.2745113	7.54897371	0.37085405	0.59266302
ENSMUSG00000006731	0.27420447	5.19778942	0.37999671	0.60139191
ENSMUSG00000005054	0.27414431	5.25849556	0.37947957	0.6007498
ENSMUSG00000028999	0.27397046	5.18370604	0.37852668	0.59994588
ENSMUSG00000025417	0.27361518	5.54913147	0.37785837	0.59932154
ENSMUSG00000029291	0.27344978	4.19850025	0.38619672	0.60695903
ENSMUSG00000058997	0.27322293	5.42185203	0.37871883	0.60007403
ENSMUSG00000036833	0.27296251	4.62304361	0.38564622	0.60668254
ENSMUSG00000029404	0.2726789	3.64188	0.40037235	0.6187895
ENSMUSG00000055850	0.27235529	5.71897205	0.3791506	0.60033457
ENSMUSG00000039887	0.27199451	3.0809853	0.41296104	0.62828662
ENSMUSG00000047719	0.2719611	4.66276548	0.38742224	0.6082343
ENSMUSG00000068744	0.27188037	4.86729485	0.38502564	0.6062369
ENSMUSG00000055707	0.27180389	2.54972306	0.42070317	0.63514811
ENSMUSG00000044533	0.27167349	4.58139418	0.38825033	0.60873677
ENSMUSG00000056612	0.27159628	5.39360231	0.38356789	0.6048247
ENSMUSG00000004317	0.2714818	6.42411387	0.37752038	0.59914345
ENSMUSG00000019578	0.27121183	3.40735186	0.41158819	0.62720683
ENSMUSG00000032782	0.27088346	4.12668214	0.39609012	0.61504029
ENSMUSG00000004462	0.27053057	4.73270985	0.38756975	0.60828878
ENSMUSG00000029345	0.27049552	4.66469456	0.39112444	0.61137642
ENSMUSG00000038871	0.2703692	3.82693433	0.39676094	0.61528185
ENSMUSG00000038880	0.27028798	3.70912736	0.40755642	0.62397636
ENSMUSG00000090083	0.27015098	1.19152404	0.51968463	0.71428486
ENSMUSG00000041323	0.27009472	1.00470704	0.50107527	0.70001428
ENSMUSG00000078153	0.26959104	2.90428075	0.41139814	0.62714757
ENSMUSG00000024914	0.2695644	4.34165891	0.39739116	0.6159049
ENSMUSG00000034459	0.26916598	6.75833284	0.3809953	0.60226522
ENSMUSG00000051285	0.2687136	6.86325013	0.38149145	0.60269613
ENSMUSG00000054720	0.26847221	5.99731502	0.38444051	0.60584634
ENSMUSG00000038611	0.26803498	6.30433396	0.38519396	0.60635046
ENSMUSG00000038406	0.26796448	4.26421917	0.40014265	0.61867746
ENSMUSG00000065990	0.2679276	4.82673188	0.39447723	0.61394752
ENSMUSG00000030231	0.2678656	4.31725658	0.39918884	0.61795118
ENSMUSG00000049411	0.26785583	3.38765995	0.40651898	0.62386519
ENSMUSG00000021786	0.26766231	4.05033931	0.39709647	0.61562513
ENSMUSG00000027076	0.26735949	3.07048878	0.43872191	0.6499931
ENSMUSG00000052296	0.26675104	6.9400568	0.38572352	0.60671564
ENSMUSG00000023186	0.26674094	5.80261842	0.38764256	0.60830401
ENSMUSG00000024767	0.2666284	5.59014733	0.39106788	0.61137642
ENSMUSG00000025779	0.26653034	3.66252281	0.40894034	0.62476106
ENSMUSG00000038780	0.26638946	3.66880807	0.40978592	0.62576202

ENSMUSG00000040560	0.26637989	5.27193434	0.39130539	0.61157063
ENSMUSG00000033444	0.26612471	6.67485799	0.38692054	0.60762357
ENSMUSG00000029559	0.26611767	3.990168	0.4079381	0.62398323
ENSMUSG00000056917	0.265508	5.07096042	0.39563479	0.61477314
ENSMUSG00000049421	0.26546788	5.67710593	0.39049168	0.61074145
ENSMUSG00000087060	0.26506336	1.37380676	0.52161293	0.71582608
ENSMUSG00000059182	0.26503435	5.60173156	0.39195307	0.61205066
ENSMUSG00000022307	0.26466834	5.83725564	0.39172135	0.61196096
ENSMUSG00000049751	0.26409533	6.38922771	0.39183961	0.61203404
ENSMUSG00000043263	0.26388306	7.87319999	0.38895352	0.60957343
ENSMUSG00000092417	0.26373452	3.21582872	0.43290562	0.64570597
ENSMUSG00000028964	0.26360865	5.87075078	0.39551703	0.61467872
ENSMUSG00000026979	0.26341949	7.58766578	0.39044436	0.61074145
ENSMUSG00000032295	0.26323216	4.55254297	0.40520026	0.62281637
ENSMUSG00000020034	0.26277206	4.49411506	0.40404317	0.62165809
ENSMUSG00000046169	0.26222117	2.68445113	0.42323759	0.6374735
ENSMUSG00000039202	0.26212677	6.27193728	0.39500782	0.61406435
ENSMUSG00000031367	0.26206871	4.88279122	0.39988704	0.61860522
ENSMUSG00000051378	0.26204774	5.26748292	0.40095283	0.61911158
ENSMUSG00000056069	0.26196135	3.4278523	0.41331628	0.62852847
ENSMUSG00000035245	0.2619566	4.80976132	0.40131947	0.61941165
ENSMUSG00000052566	0.2618141	2.41393009	0.4573383	0.66689564
ENSMUSG00000020267	0.26178787	7.15953568	0.39404152	0.61353505
ENSMUSG00000023456	0.26146507	7.3821207	0.39468979	0.61406435
ENSMUSG00000019947	0.2614606	4.29515218	0.41078276	0.62666308
ENSMUSG00000030867	0.26127866	6.09852465	0.39787384	0.61647578
ENSMUSG00000002017	0.2610666	7.14414862	0.39520082	0.61427582
ENSMUSG00000035578	0.26096465	2.53575818	0.43822451	0.64968561
ENSMUSG00000022391	0.26080544	7.30288521	0.39580887	0.61495503
ENSMUSG00000025583	0.26061407	4.67980076	0.40796733	0.62398323
ENSMUSG00000006471	0.26045414	5.20343877	0.40374408	0.62153509
ENSMUSG00000005897	0.26016625	3.68102014	0.41398363	0.62905446
ENSMUSG00000032977	0.2597706	4.10183904	0.4165042	0.63143289
ENSMUSG00000001924	0.25945875	9.24155637	0.39641994	0.61526686
ENSMUSG00000044700	0.25934029	3.34553507	0.43377804	0.64647075
ENSMUSG00000040751	0.25923447	6.8599457	0.39903116	0.61795118
ENSMUSG00000024101	0.25886082	3.63641154	0.42940877	0.6428018
ENSMUSG00000060279	0.25856498	5.17877088	0.40856156	0.62434816
ENSMUSG00000018999	0.25842821	5.95719593	0.40254521	0.6204994
ENSMUSG00000065353	0.25838098	2.30561268	0.46240524	0.66978886
ENSMUSG00000028436	0.25831314	6.07673302	0.40293919	0.62084529
ENSMUSG00000022696	0.25828909	1.59063846	0.46732251	0.67374411
ENSMUSG00000034850	0.25779298	6.47943177	0.402514	0.6204994

ENSMUSG00000097574	0.25729137	1.28252373	0.49681821	0.69571323
ENSMUSG00000031627	0.25689516	6.42972337	0.40421506	0.62183384
ENSMUSG00000043419	0.25657278	2.80429738	0.43196122	0.6452791
ENSMUSG00000046722	0.25629096	6.75165723	0.40484495	0.62253642
ENSMUSG00000036352	0.25608465	5.23624453	0.41224299	0.62773629
ENSMUSG00000073664	0.25605758	4.49092118	0.41111829	0.62682025
ENSMUSG00000051154	0.25594677	6.02863941	0.40696083	0.62395419
ENSMUSG00000036980	0.25579325	5.27355622	0.41160861	0.62720683
ENSMUSG00000039783	0.25528388	6.41357029	0.40710217	0.62395419
ENSMUSG00000028071	0.25518499	2.99717826	0.43975676	0.65049746
ENSMUSG00000017119	0.25506057	6.58785809	0.40693504	0.62395419
ENSMUSG00000026496	0.25482102	8.1233214	0.4057017	0.62323179
ENSMUSG00000004451	0.25470413	4.34121722	0.41911753	0.63453088
ENSMUSG00000027692	0.25468185	3.78528101	0.41887118	0.63424695
ENSMUSG00000037395	0.25448865	2.65822398	0.44351515	0.65401042
ENSMUSG00000019877	0.25426745	7.35107041	0.40710489	0.62395419
ENSMUSG00000029767	0.25388486	8.18524368	0.40713151	0.62395419
ENSMUSG00000002603	0.25378139	5.0449257	0.41628558	0.63121818
ENSMUSG00000022488	0.25374169	9.0085069	0.40695845	0.62395419
ENSMUSG00000026123	0.25366378	5.40272375	0.41398116	0.62905446
ENSMUSG00000032812	0.25348722	5.37522135	0.41546724	0.63015453
ENSMUSG00000002343	0.25322621	2.30700114	0.48844761	0.68981392
ENSMUSG00000048307	0.25278854	4.77066004	0.41996117	0.63514811
ENSMUSG00000031833	0.25239168	4.64999324	0.42417536	0.63830635
ENSMUSG00000020986	0.25224566	6.36759298	0.41270959	0.6281807
ENSMUSG00000035754	0.25158382	4.56845123	0.42786711	0.64165191
ENSMUSG00000022898	0.25152324	5.70352188	0.41691097	0.63163359
ENSMUSG00000078348	0.25151581	2.34198903	0.48408277	0.68634611
ENSMUSG00000001999	0.25133449	4.80070416	0.42284601	0.6372235
ENSMUSG00000002396	0.25089387	2.33812885	0.47225416	0.67813433
ENSMUSG00000037341	0.25079442	6.25729882	0.41539556	0.63015453
ENSMUSG00000063015	0.25049084	7.86329605	0.41367897	0.62883588
ENSMUSG00000096687	0.2504311	3.20484822	0.43804068	0.64959169
ENSMUSG00000053897	0.25039944	4.64635135	0.42363024	0.63769243
ENSMUSG00000031907	0.25006395	3.14213386	0.44674766	0.65708222
ENSMUSG00000000056	0.24952252	4.41747673	0.43110865	0.64445185
ENSMUSG00000040697	0.24894554	4.85133259	0.42627142	0.6399709
ENSMUSG00000047193	0.24871505	4.94465578	0.42324835	0.6374735
ENSMUSG00000021240	0.24865599	2.58510081	0.47335707	0.67890447
ENSMUSG00000048416	0.24862299	1.35472084	0.54152241	0.73015474
ENSMUSG00000033917	0.24861505	5.49384549	0.42339617	0.63752829
ENSMUSG00000031143	0.248464	0.94688377	0.58746228	0.76468971
ENSMUSG00000025027	0.24833262	5.44036472	0.42472557	0.63871712

ENSMUSG00000033318	0.24808998	4.6697426	0.43282543	0.64569933
ENSMUSG00000011158	0.24803902	4.69789594	0.43016945	0.64375001
ENSMUSG00000056602	0.24799773	3.56422828	0.43830251	0.64971192
ENSMUSG00000018428	0.24754475	4.91498254	0.43034067	0.64375001
ENSMUSG00000021494	0.2473971	5.76945965	0.42485811	0.63882736
ENSMUSG00000066152	0.24737146	6.0916691	0.42267073	0.6372235
ENSMUSG00000033885	0.24702858	7.52638197	0.42047359	0.63514811
ENSMUSG00000014077	0.24696062	7.12549755	0.42116636	0.63565347
ENSMUSG00000039470	0.24686239	4.23487429	0.43119883	0.64445483
ENSMUSG00000050947	0.2468375	1.66875484	0.52909297	0.72133231
ENSMUSG00000063535	0.24657936	1.33576642	0.56230512	0.74632596
ENSMUSG00000049305	0.24654596	4.24246585	0.44027011	0.65092855
ENSMUSG00000026553	0.24632343	9.29535276	0.42066435	0.63514811
ENSMUSG00000074212	0.24615301	3.75478365	0.43224777	0.64542494
ENSMUSG00000018166	0.24614196	3.64336699	0.43746436	0.64918528
ENSMUSG00000063145	0.2456303	2.41621228	0.45920624	0.66763551
ENSMUSG00000020770	0.24562119	3.64711206	0.44775067	0.65819836
ENSMUSG00000024014	0.2455467	8.01050146	0.42283505	0.6372235
ENSMUSG00000019916	0.24550383	4.76708995	0.43333178	0.64614914
ENSMUSG00000020211	0.24536175	4.4947958	0.43992054	0.65059012
ENSMUSG00000036751	0.24501166	6.88317639	0.42596904	0.63960597
ENSMUSG00000041064	0.24491095	4.73800114	0.43675808	0.64901466
ENSMUSG00000033526	0.244871	4.90134735	0.43446062	0.64704333
ENSMUSG00000034032	0.24465769	4.92432941	0.43613962	0.64855622
ENSMUSG00000001285	0.24465096	4.40351042	0.43873329	0.6499931
ENSMUSG00000001323	0.2441133	3.08755364	0.4599539	0.66794276
ENSMUSG00000037544	0.24398865	6.56547195	0.42807931	0.64166304
ENSMUSG00000073700	0.2435019	3.91549337	0.44490075	0.65510145
ENSMUSG00000034673	0.24325083	4.35173943	0.44115498	0.65147826
ENSMUSG00000025371	0.24310893	3.62264705	0.46130922	0.66894436
ENSMUSG00000048865	0.24301579	1.90157058	0.49675572	0.69571323
ENSMUSG00000026632	0.24288236	2.52372155	0.46665948	0.67341841
ENSMUSG00000025873	0.2427621	6.66833372	0.43002011	0.6436276
ENSMUSG00000031827	0.24263225	5.43902411	0.43632651	0.64865524
ENSMUSG00000061536	0.24237952	3.30102663	0.45991302	0.66794276
ENSMUSG00000025499	0.2420076	4.04062795	0.45528442	0.66500165
ENSMUSG00000074886	0.24185169	6.53372223	0.43262524	0.64561468
ENSMUSG00000022760	0.24149839	1.83472611	0.53190268	0.72386142
ENSMUSG00000022899	0.24134119	4.23557783	0.44118562	0.65147826
ENSMUSG00000049517	0.24126992	7.35357703	0.43215175	0.64538491
ENSMUSG00000022095	0.24118104	3.8582299	0.45029849	0.66005423
ENSMUSG00000038803	0.24106934	5.57737462	0.43738184	0.64918528
ENSMUSG00000020792	0.24090756	4.35298099	0.44806141	0.65847564

ENSMUSG00000020265	0.24074189	6.51874783	0.43456038	0.64710013
ENSMUSG00000034118	0.24072994	6.59003428	0.43438952	0.64704333
ENSMUSG00000040532	0.24069339	3.07572726	0.47905015	0.68289184
ENSMUSG00000014075	0.24061701	2.60394177	0.50160883	0.700352
ENSMUSG00000030036	0.240495	5.70996743	0.43893925	0.65020891
ENSMUSG00000000538	0.24033724	3.38138458	0.46318397	0.670352
ENSMUSG00000032598	0.24033618	1.72175024	0.53996468	0.72917895
ENSMUSG00000038324	0.23998084	6.78333131	0.43533744	0.64754193
ENSMUSG00000070305	0.23992768	3.55971646	0.45935704	0.66770539
ENSMUSG00000024150	0.23980066	5.37333273	0.44043204	0.6510787
ENSMUSG00000022552	0.23965813	4.49357054	0.44885959	0.6589561
ENSMUSG00000021814	0.23964	6.82139966	0.43590858	0.64830204
ENSMUSG00000026525	0.23949802	2.635654	0.46836902	0.67444139
ENSMUSG00000024181	0.23940431	4.19900962	0.45480467	0.66485205
ENSMUSG00000074480	0.23935087	2.55587923	0.49920957	0.69788385
ENSMUSG00000054428	0.23931865	5.05384104	0.44290269	0.65329813
ENSMUSG00000033220	0.23928443	8.35657686	0.43471594	0.64713104
ENSMUSG00000073471	0.23908865	1.07748204	0.52662326	0.71923825
ENSMUSG00000027997	0.23856395	3.05030484	0.47188335	0.67772354
ENSMUSG00000046756	0.23849298	6.10956009	0.44066004	0.65114796
ENSMUSG00000007458	0.23815629	8.66395868	0.43652072	0.64885124
ENSMUSG00000068391	0.238108	3.82812493	0.46420609	0.67149544
ENSMUSG00000091537	0.2380889	6.71069114	0.43903284	0.65024023
ENSMUSG00000054808	0.2375239	7.20982974	0.43955921	0.65049746
ENSMUSG00000033159	0.23729303	5.56296983	0.44491497	0.65510145
ENSMUSG00000029535	0.23705891	4.1085119	0.45699159	0.66651302
ENSMUSG00000002661	0.23702164	1.49860452	0.5503187	0.73688135
ENSMUSG00000021458	0.23624511	3.05739113	0.47429168	0.67920324
ENSMUSG00000074754	0.23562727	2.23610345	0.51080724	0.7074587
ENSMUSG00000062526	0.23562095	3.94564828	0.45978738	0.66794276
ENSMUSG00000022472	0.23560018	6.23403164	0.44511913	0.65522314
ENSMUSG00000048997	0.23515077	1.64082884	0.56054968	0.74482107
ENSMUSG00000040701	0.23406442	4.83870674	0.45745577	0.66689564
ENSMUSG00000042992	0.23390379	2.93238177	0.48690315	0.68889577
ENSMUSG00000031916	0.23370891	4.76079597	0.45689872	0.66646772
ENSMUSG00000003527	0.23338032	3.96812404	0.4703589	0.67650447
ENSMUSG00000071552	0.23288506	2.87360739	0.49615139	0.69541156
ENSMUSG00000031487	0.23284405	2.36765548	0.49350449	0.69322172
ENSMUSG00000007908	0.23279906	1.75828905	0.51383096	0.70958548
ENSMUSG00000017195	0.23271161	0.98527261	0.5642929	0.7480436
ENSMUSG00000023330	0.23245591	3.97586833	0.469029	0.67530157
ENSMUSG00000023967	0.23226117	4.44850691	0.46512691	0.67228637
ENSMUSG00000040888	0.23220506	3.57647858	0.48086696	0.68464571

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ENSMUSG00000034574	0.23185814	4.06852498	0.46461944	0.6719131
ENSMUSG00000085586	0.23178929	0.99511143	0.56832347	0.75089442
ENSMUSG00000025212	0.23172205	3.52276133	0.47687652	0.68141465
ENSMUSG00000028884	0.23165373	6.13198337	0.45362442	0.66339649
ENSMUSG00000002346	0.2315873	1.85121334	0.55435696	0.73950834
ENSMUSG00000001687	0.23151991	6.43460219	0.45209406	0.66178666
ENSMUSG00000034121	0.23147189	3.06159306	0.48283588	0.68568917
ENSMUSG00000021285	0.23147051	4.24823685	0.4665	0.67327837
ENSMUSG00000033762	0.23100037	3.89305404	0.47401164	0.67908773
ENSMUSG00000026927	0.23096228	6.06015701	0.45497832	0.66487071
ENSMUSG00000032171	0.23095965	4.30433658	0.46912639	0.67535162
ENSMUSG00000038690	0.23090205	4.58780184	0.46781334	0.67400121
ENSMUSG00000054312	0.23075253	4.43052017	0.4718204	0.67772354
ENSMUSG00000060938	0.23073861	8.43599429	0.45127801	0.66095098
ENSMUSG00000018567	0.23068991	7.82844759	0.45164047	0.66121244
ENSMUSG00000036537	0.23052648	1.35695607	0.59329884	0.7686089
ENSMUSG00000041096	0.23051877	5.32355542	0.45942975	0.66772108
ENSMUSG00000059883	0.23042279	3.58691674	0.47902986	0.68289184
ENSMUSG00000025651	0.23007705	6.55289515	0.45599862	0.66558803
ENSMUSG00000031934	0.22948558	5.08171544	0.46213185	0.66948279
ENSMUSG00000064210	0.22920642	5.86623155	0.45853004	0.66718361
ENSMUSG00000042608	0.22836827	4.820627	0.46812031	0.67435338
ENSMUSG00000039367	0.22827241	8.14488296	0.45616555	0.66558803
ENSMUSG00000007564	0.22797495	7.45110625	0.45770936	0.66692849
ENSMUSG00000014243	0.22792331	1.85902705	0.53927075	0.72875886
ENSMUSG00000010663	0.22753036	6.09393638	0.46171124	0.66916579
ENSMUSG00000024507	0.22749362	5.66231627	0.46320454	0.670352
ENSMUSG00000022074	0.22739574	5.16077628	0.4650016	0.67223161
ENSMUSG00000025935	0.22721208	8.22880552	0.45803422	0.66695125
ENSMUSG00000006390	0.2271987	6.39695115	0.46132597	0.66894436
ENSMUSG00000057738	0.22717352	7.91629526	0.45843941	0.66718361
ENSMUSG00000030654	0.22716408	8.96165618	0.45777762	0.66693783
ENSMUSG00000036138	0.22713335	3.63235094	0.48622168	0.68811215
ENSMUSG00000031993	0.22705606	6.05972168	0.46198697	0.66940459
ENSMUSG00000029146	0.22695932	5.95081637	0.46322915	0.670352
ENSMUSG00000008035	0.22694827	3.2429435	0.49086723	0.69143727
ENSMUSG00000016534	0.22693262	7.87307087	0.45878618	0.66741537
ENSMUSG00000028643	0.22688069	3.06908867	0.50125281	0.70001428
ENSMUSG00000039568	0.22674269	3.49487573	0.48534708	0.68747485
ENSMUSG00000044496	0.22671873	4.27876566	0.47880462	0.68289184
ENSMUSG00000038605	0.22646978	2.5816799	0.50562631	0.70375247
ENSMUSG00000022621	0.22627915	2.80022035	0.49596733	0.69524394

ENSMUSG00000033429	0.22618442	2.56809534	0.52524598	0.71858811
ENSMUSG00000033039	0.22586672	4.69570275	0.47091027	0.67692567
ENSMUSG00000073678	0.22556198	5.37594322	0.46605433	0.67290282
ENSMUSG00000074825	0.22553682	4.81010882	0.47298591	0.67873563
ENSMUSG00000024142	0.2253274	4.90162347	0.47288815	0.67873563
ENSMUSG00000028797	0.2252655	5.72997135	0.46768696	0.67390916
ENSMUSG00000026003	0.22517504	6.9783553	0.46360175	0.67071121
ENSMUSG00000025374	0.2251417	4.74242725	0.4747557	0.67955475
ENSMUSG00000020519	0.22503699	2.06143348	0.55578991	0.7406869
ENSMUSG00000017390	0.22482297	2.29272274	0.52614536	0.71907812
ENSMUSG00000028567	0.22473325	4.81018851	0.47432118	0.67920324
ENSMUSG00000002833	0.22456625	4.82979681	0.47825217	0.68258899
ENSMUSG00000087385	0.22426397	1.34708893	0.53817744	0.72797388
ENSMUSG00000021501	0.22416614	4.03130233	0.48161878	0.68515686
ENSMUSG00000031681	0.22413823	2.34126648	0.52447385	0.7181481
ENSMUSG00000021115	0.22405913	6.72613643	0.46633826	0.67313502
ENSMUSG00000034709	0.22350149	5.60520931	0.47056145	0.67660462
ENSMUSG00000024218	0.22329123	4.99959961	0.47539011	0.68026723
ENSMUSG00000072621	0.2232448	4.31154951	0.47853203	0.68269473
ENSMUSG00000025137	0.22312381	4.77025285	0.48076053	0.68464483
ENSMUSG00000008167	0.22278606	1.47807646	0.56968362	0.75167848
ENSMUSG00000032688	0.22257713	7.72776831	0.46750699	0.67390916
ENSMUSG00000079442	0.22245307	5.83711006	0.47322687	0.67884687
ENSMUSG00000070462	0.22233339	4.59475003	0.47803176	0.68252277
ENSMUSG00000030747	0.22219988	0.96343278	0.62378641	0.78872304
ENSMUSG00000067365	0.22191418	5.42190765	0.47407962	0.67908773
ENSMUSG00000030814	0.22188915	3.72613058	0.49217593	0.69244948
ENSMUSG00000020448	0.22166276	5.29533239	0.47642516	0.68099409
ENSMUSG00000032786	0.22164109	4.65685514	0.48166072	0.68515686
ENSMUSG00000031776	0.22150837	5.77255548	0.47438606	0.67920595
ENSMUSG00000079455	0.22149744	1.13378669	0.56610551	0.7489174
ENSMUSG00000037824	0.22141432	4.38998888	0.48191982	0.68515686
ENSMUSG00000032478	0.22122627	4.28535077	0.48790356	0.68940671
ENSMUSG00000026842	0.2211812	5.19659601	0.47750836	0.68204637
ENSMUSG00000015971	0.2209843	4.86333585	0.4816342	0.68515686
ENSMUSG00000021275	0.22094747	4.04850887	0.49034424	0.69114856
ENSMUSG00000021226	0.22092032	1.76469619	0.57418735	0.75575185
ENSMUSG00000016637	0.22089167	3.86802449	0.48983298	0.69107486
ENSMUSG00000022684	0.22053156	5.69492827	0.4764559	0.68099409
ENSMUSG00000038085	0.22035993	2.047931	0.53620379	0.72686346
ENSMUSG00000024948	0.22024413	6.2818909	0.47577254	0.68064647
ENSMUSG00000035596	0.21981037	4.98423323	0.48265155	0.68566912
ENSMUSG00000024048	0.21952073	6.33148048	0.47678656	0.6813764

ENSMUSG00000052428	0.21913078	5.99503621	0.47793952	0.68252277
ENSMUSG00000031974	0.21882116	4.70775	0.48542685	0.68747485
ENSMUSG00000070565	0.21881296	3.2486834	0.49956203	0.69828606
ENSMUSG00000027194	0.21876739	5.03475948	0.48291999	0.68568917
ENSMUSG00000071451	0.21839209	2.79316994	0.52319425	0.71691573
ENSMUSG00000038342	0.21835058	6.64792802	0.477987	0.68252277
ENSMUSG00000029165	0.21827648	3.23368189	0.50995202	0.70703556
ENSMUSG00000081137	0.2180845	1.44216346	0.56066863	0.74488734
ENSMUSG00000040128	0.21807843	4.30604332	0.487581	0.6892489
ENSMUSG00000007216	0.21795792	1.75045181	0.56928984	0.75161871
ENSMUSG00000031979	0.21792633	4.97637008	0.48834241	0.68981392
ENSMUSG00000046519	0.21746874	5.78363846	0.48187715	0.68515686
ENSMUSG00000026280	0.21736965	5.07607284	0.48715133	0.68907012
ENSMUSG00000035048	0.21718044	2.85622413	0.52852595	0.72094032
ENSMUSG00000020700	0.21713092	5.93880201	0.48289333	0.68568917
ENSMUSG00000087259	0.21708449	1.90082399	0.55108071	0.73699733
ENSMUSG00000025495	0.21673427	3.91854811	0.50513265	0.70342853
ENSMUSG00000013465	0.21648237	5.9393367	0.48440298	0.68661958
ENSMUSG00000005683	0.21642964	8.70814821	0.4795221	0.68329057
ENSMUSG00000027429	0.21640791	7.37664075	0.48053716	0.68446872
ENSMUSG00000039055	0.21623769	4.64556462	0.49313607	0.69309715
ENSMUSG00000035310	0.21622127	5.83188537	0.48372955	0.68620619
ENSMUSG00000039210	0.21611138	5.05053791	0.48949194	0.69074602
ENSMUSG00000031983	0.21608697	2.61453403	0.52536765	0.71858811
ENSMUSG00000028991	0.21596204	5.9588266	0.48466905	0.68681617
ENSMUSG00000037936	0.21528581	4.76555145	0.4946379	0.69401186
ENSMUSG00000017210	0.21514187	5.53956263	0.4893973	0.69070285
ENSMUSG00000039512	0.21492095	4.29675393	0.49852607	0.69738036
ENSMUSG00000083086	0.2149182	1.41471618	0.60509749	0.77627544
ENSMUSG00000006717	0.21481299	3.41892767	0.51474799	0.71039702
ENSMUSG00000005417	0.21449346	6.1845481	0.48766405	0.6892489
ENSMUSG00000068250	0.21423493	2.15928832	0.53581609	0.72676307
ENSMUSG00000018169	0.21379568	3.73688925	0.51109601	0.7074587
ENSMUSG00000043487	0.21364266	1.89992725	0.55108071	0.73699733
ENSMUSG00000045973	0.21346195	6.10762029	0.48891866	0.69020799
ENSMUSG00000040747	0.21330792	8.87935428	0.48562974	0.68763538
ENSMUSG00000022822	0.21326576	5.34383976	0.49264486	0.69280496
ENSMUSG00000025332	0.21320098	7.20743753	0.48816722	0.68968888
ENSMUSG00000032849	0.21307471	5.69132123	0.4918828	0.69226907
ENSMUSG00000062783	0.2129064	5.6165983	0.49069609	0.69143727
ENSMUSG00000018820	0.21259272	4.0159561	0.51002095	0.70704023
ENSMUSG00000020740	0.21241649	5.84898645	0.49268557	0.69280496
ENSMUSG00000001445	0.21228536	5.67417521	0.49422133	0.69378844

ENSMUSG00000030602	0.2120269	4.64817941	0.50324797	0.70143804
ENSMUSG00000035007	0.21157231	4.00978493	0.50881199	0.70599954
ENSMUSG00000076591	0.21139901	3.37240807	0.50715199	0.70487525
ENSMUSG00000011096	0.21133383	2.22005561	0.56338482	0.74711533
ENSMUSG00000003435	0.21130783	7.13674201	0.49191932	0.69226907
ENSMUSG00000002496	0.2112936	5.6707835	0.4963425	0.69549864
ENSMUSG00000071655	0.21127854	5.33441374	0.49842969	0.69733599
ENSMUSG00000037617	0.21084653	2.67716533	0.54288845	0.73131094
ENSMUSG00000046550	0.21066329	1.04011907	0.54676299	0.73410011
ENSMUSG00000012126	0.21057972	1.85928834	0.59276217	0.76812632
ENSMUSG00000020737	0.21055563	6.7236791	0.49387074	0.69347683
ENSMUSG00000039515	0.21033488	6.90155998	0.49440487	0.69386545
ENSMUSG00000007777	0.21029057	3.15725908	0.52654894	0.71922783
ENSMUSG00000044968	0.21028018	2.37382178	0.53512668	0.72616158
ENSMUSG00000026112	0.21025368	7.86444137	0.49240121	0.69267606
ENSMUSG00000037112	0.21018398	4.1981084	0.50658637	0.704634
ENSMUSG00000097287	0.21002691	2.34738472	0.54237115	0.73084225
ENSMUSG00000000326	0.20998777	3.83709185	0.51943589	0.71422405
ENSMUSG00000031060	0.20977028	5.98543685	0.49812134	0.69708545
ENSMUSG00000040269	0.20956108	3.73628936	0.51669903	0.71208721
ENSMUSG00000003206	0.20947072	5.50860738	0.50094234	0.70001428
ENSMUSG00000037243	0.20939037	3.74150959	0.52303698	0.71679131
ENSMUSG00000043154	0.20922793	2.70166704	0.52843545	0.72094032
ENSMUSG00000090150	0.20909435	4.54009396	0.50528218	0.7035459
ENSMUSG00000053483	0.20909215	4.22750663	0.51098968	0.7074587
ENSMUSG00000032527	0.20886138	4.06000059	0.5105893	0.70743177
ENSMUSG00000037098	0.2086018	2.01121817	0.57515826	0.75602586
ENSMUSG00000015016	0.20842229	2.43838629	0.57636401	0.75695564
ENSMUSG00000026594	0.20804507	7.16505741	0.49780158	0.69681882
ENSMUSG00000022204	0.20782616	5.5371017	0.50434761	0.7025087
ENSMUSG00000051736	0.20765726	1.27290267	0.54544897	0.73288354
ENSMUSG00000029298	0.20742007	7.35403	0.49876369	0.69744134
ENSMUSG00000004661	0.20689209	5.31566411	0.50617862	0.70424851
ENSMUSG00000032059	0.20667764	4.83861481	0.50942107	0.70666283
ENSMUSG00000044475	0.2065493	3.81287173	0.52262958	0.71641507
ENSMUSG00000037761	0.20642383	3.18237412	0.54003415	0.72917895
ENSMUSG00000033400	0.206318	4.6794361	0.51014913	0.70712702
ENSMUSG00000043831	0.20515312	2.69530208	0.5369852	0.72721944
ENSMUSG00000029467	0.20502663	9.53384342	0.50260257	0.70108216
ENSMUSG00000026816	0.20501918	5.22728098	0.51260333	0.70874062
ENSMUSG00000038280	0.20497141	5.81076099	0.50707037	0.70487525
ENSMUSG00000039041	0.20482994	4.94210772	0.51553876	0.71112433
ENSMUSG00000032042	0.2048193	8.04300711	0.50376461	0.70197668

ENSMUSG00000038102	0.20476168	5.86237639	0.50745381	0.70502214
ENSMUSG00000006307	0.20465178	6.22248874	0.50741605	0.70502214
ENSMUSG00000020440	0.20462879	4.40083083	0.52186361	0.7159111
ENSMUSG00000026585	0.20440359	4.17759052	0.51610161	0.71175882
ENSMUSG00000026656	0.20385811	7.42608408	0.50626888	0.70428322
ENSMUSG00000047459	0.20373837	5.74778809	0.51076309	0.7074587
ENSMUSG00000024644	0.20355262	5.88651521	0.51086893	0.7074587
ENSMUSG00000032422	0.20339494	4.81329278	0.51343121	0.70927284
ENSMUSG00000020733	0.20312469	4.42761278	0.5224172	0.71635153
ENSMUSG00000049624	0.20289852	3.65061345	0.53093244	0.72320013
ENSMUSG00000031835	0.2028249	6.63187643	0.5098866	0.70703556
ENSMUSG00000004056	0.20263771	5.79390965	0.51367858	0.70946591
ENSMUSG00000034807	0.202298	6.73123599	0.511111005	0.7074587
ENSMUSG00000066306	0.20226672	6.65403978	0.51139155	0.70766668
ENSMUSG00000038733	0.20217698	9.45134027	0.50851246	0.7058564
ENSMUSG00000045482	0.20216861	6.65784448	0.5110623	0.7074587
ENSMUSG00000021009	0.20209803	2.57964887	0.55154643	0.73724612
ENSMUSG00000024258	0.20207203	4.83205591	0.51991112	0.71439026
ENSMUSG00000023007	0.20204853	1.87164994	0.6176805	0.78496222
ENSMUSG00000050605	0.20171246	3.18380256	0.54104554	0.72969424
ENSMUSG00000039047	0.20119195	5.66990479	0.51635939	0.71198308
ENSMUSG0000002083	0.20115136	0.84872409	0.7122628	0.846112
ENSMUSG00000057363	0.20106346	5.15098946	0.51892365	0.7139235
ENSMUSG00000049600	0.20071977	2.41627602	0.57162525	0.75368709
ENSMUSG00000005982	0.20067904	5.37617868	0.51889437	0.7139235
ENSMUSG00000037526	0.20054949	3.21385523	0.5418116	0.73045334
ENSMUSG00000051007	0.20032935	3.84620116	0.53660676	0.72689012
ENSMUSG00000022516	0.20025221	4.318874	0.52623929	0.71907812
ENSMUSG00000043290	0.20018276	1.05981243	0.61378433	0.78267118
ENSMUSG00000049106	0.19986039	5.33799589	0.52086392	0.71508549
ENSMUSG00000082588	0.19977989	2.07185533	0.57737558	0.75747181
ENSMUSG00000030271	0.1996236	2.76614206	0.56574274	0.748887
ENSMUSG00000084786	0.1995806	6.28503116	0.51785955	0.71323083
ENSMUSG00000022394	0.19946599	6.03963492	0.51950793	0.71422405
ENSMUSG00000005615	0.19931287	5.67569808	0.51944476	0.71422405
ENSMUSG00000030435	0.19904399	7.71780528	0.51652647	0.71208721
ENSMUSG00000024962	0.1987138	2.38768374	0.57785968	0.75783033
ENSMUSG00000034591	0.1982638	3.78442436	0.5300475	0.72217716
ENSMUSG00000051390	0.19804248	3.40682626	0.55013754	0.73688135
ENSMUSG00000049717	0.19792875	4.32579926	0.53195517	0.72386142
ENSMUSG00000020515	0.19787523	6.3313249	0.52123065	0.71540681
ENSMUSG00000020897	0.19780428	6.66243629	0.52070666	0.71507506
ENSMUSG00000061533	0.1976654	5.38823827	0.52449318	0.7181481

ENSMUSG00000020444	0.19765459	4.03395495	0.53738866	0.72746746
ENSMUSG00000029507	0.19731747	4.54196897	0.5364009	0.72686346
ENSMUSG00000027010	0.19729591	6.06814389	0.52331707	0.71699292
ENSMUSG00000028760	0.19719288	7.28113444	0.52073148	0.71507506
ENSMUSG00000021287	0.19719244	2.4920905	0.57647114	0.75695564
ENSMUSG00000029071	0.19697021	3.90494332	0.54782992	0.73480006
ENSMUSG00000017288	0.19695723	5.75651822	0.52499707	0.71839007
ENSMUSG00000030279	0.19691829	6.40612325	0.52236849	0.71635153
ENSMUSG00000039145	0.19682395	5.65765389	0.52468539	0.71832008
ENSMUSG00000031913	0.19644088	5.79275343	0.52589069	0.71896618
ENSMUSG00000035944	0.19638646	2.97226335	0.56097434	0.74520169
ENSMUSG00000029319	0.19637492	4.80968703	0.53151318	0.72380832
ENSMUSG00000019826	0.19623579	4.16674308	0.53661673	0.72689012
ENSMUSG00000056899	0.19613465	2.18041945	0.58672218	0.76443211
ENSMUSG00000005886	0.19589944	6.19307689	0.52496355	0.71839007
ENSMUSG00000097141	0.19578167	1.10783092	0.6240872	0.78872304
ENSMUSG00000030522	0.19572579	3.00656614	0.55195737	0.73749253
ENSMUSG00000022556	0.19561469	4.41010526	0.54081506	0.72965502
ENSMUSG00000042308	0.19543027	4.68583845	0.53459343	0.72580329
ENSMUSG00000033396	0.19542367	5.58359763	0.52853804	0.72094032
ENSMUSG00000022967	0.19524637	6.72046379	0.52531425	0.71858811
ENSMUSG00000061288	0.19488624	6.85987557	0.52617698	0.71907812
ENSMUSG00000050973	0.19488048	3.29407648	0.5557087	0.74067021
ENSMUSG00000030815	0.19451209	5.20735177	0.53377683	0.72542525
ENSMUSG00000035078	0.19429418	5.58503672	0.53123358	0.72351894
ENSMUSG00000054484	0.1934399	4.57917375	0.53642472	0.72686346
ENSMUSG00000041130	0.19343291	4.34319655	0.54330097	0.73154671
ENSMUSG00000045671	0.19340596	3.83762556	0.54467895	0.73239623
ENSMUSG00000014349	0.19318466	7.39645813	0.52898436	0.72133231
ENSMUSG00000072893	0.19310096	2.03461606	0.59960688	0.77337167
ENSMUSG00000052783	0.19272321	1.53497175	0.60902505	0.77888289
ENSMUSG00000021610	0.1924729	7.89849027	0.52993282	0.72211215
ENSMUSG00000019579	0.1921646	5.45560289	0.53750701	0.72746746
ENSMUSG00000051674	0.1920661	3.29683449	0.55753164	0.74199941
ENSMUSG00000005150	0.19186743	3.07325909	0.57729044	0.75747181
ENSMUSG00000072582	0.19179747	4.94183694	0.54002383	0.72917895
ENSMUSG00000039678	0.19179141	5.18895721	0.53935642	0.72878331
ENSMUSG00000028995	0.19171272	6.18910588	0.53399331	0.72546293
ENSMUSG00000052656	0.19164831	4.09509085	0.54601414	0.73327727
ENSMUSG00000026790	0.19124203	7.27203113	0.5333958	0.72518158
ENSMUSG00000070733	0.19111737	6.98108462	0.53352911	0.72527138
ENSMUSG00000029390	0.19101351	8.94162942	0.53234883	0.72421468
ENSMUSG00000031864	0.19097022	5.7036022	0.53757309	0.72746746

ENSMUSG0000002210	0.1909183	3.20245929	0.56901031	0.75145517
ENSMUSG00000012123	0.19089893	1.02606248	0.67046164	0.82068767
ENSMUSG00000023353	0.19067497	3.06225499	0.58345583	0.76201861
ENSMUSG00000056050	0.19063992	7.3181253	0.53447612	0.72580329
ENSMUSG00000027510	0.19039199	3.66252247	0.56741602	0.75006305
ENSMUSG00000022263	0.19031057	3.706493	0.54546272	0.73288354
ENSMUSG00000094094	0.19025019	2.62284684	0.57536204	0.75602586
ENSMUSG00000037740	0.18995528	4.41439378	0.5526006	0.73787471
ENSMUSG00000021866	0.18966042	2.88803595	0.60623663	0.7771821
ENSMUSG00000028703	0.18954698	4.53990104	0.54876247	0.73568554
ENSMUSG00000015790	0.18912862	4.54620372	0.54929667	0.7360711
ENSMUSG00000098178	0.18890864	11.8695321	0.53645274	0.72686346
ENSMUSG00000021038	0.18882041	5.89003975	0.54226763	0.73079407
ENSMUSG00000050357	0.18878995	3.36986926	0.58171601	0.76066757
ENSMUSG00000021951	0.18840324	3.87847623	0.56129911	0.74544946
ENSMUSG00000070426	0.18823623	5.04969911	0.54751489	0.7346523
ENSMUSG00000035840	0.18810394	5.50272155	0.54266716	0.73114976
ENSMUSG00000018171	0.18796968	7.34184561	0.54002325	0.72917895
ENSMUSG00000063488	0.18755875	2.12987398	0.59073053	0.76716376
ENSMUSG00000034300	0.1875412	6.16804393	0.54298901	0.73131094
ENSMUSG00000042289	0.18717096	1.63744833	0.60746835	0.77802482
ENSMUSG00000023015	0.1869495	7.00632681	0.54299023	0.73131094
ENSMUSG00000025465	0.18693949	4.60833525	0.55526163	0.74034884
ENSMUSG00000052763	0.18691167	3.5476908	0.56802616	0.75068556
ENSMUSG00000027002	0.1868151	2.12188523	0.58887197	0.76570921
ENSMUSG00000025159	0.18673834	5.9022136	0.54652664	0.73387415
ENSMUSG00000025239	0.1866352	7.21066755	0.543294	0.73154671
ENSMUSG00000089989	0.1865049	3.4107968	0.56543351	0.74863536
ENSMUSG00000022969	0.18645425	5.05867956	0.55056443	0.73694624
ENSMUSG00000016554	0.18642346	7.48110684	0.54399295	0.73196093
ENSMUSG00000007610	0.18636915	2.918046	0.58392833	0.76226644
ENSMUSG00000035621	0.18616209	4.44266534	0.55664313	0.74110899
ENSMUSG00000014601	0.18584255	5.17604113	0.5529325	0.73815599
ENSMUSG00000045975	0.1856696	3.04501195	0.57106388	0.75313108
ENSMUSG00000014769	0.18561224	7.61886585	0.5451463	0.73265923
ENSMUSG00000026478	0.18558522	6.21456258	0.54774402	0.73477691
ENSMUSG00000068457	0.18542525	4.97657232	0.53435291	0.72575086
ENSMUSG00000022914	0.18532323	4.98860859	0.55265338	0.73787471
ENSMUSG00000029407	0.18516779	7.82640941	0.5455396	0.73288354
ENSMUSG00000003662	0.18465946	5.12520654	0.55564229	0.74067021
ENSMUSG00000069208	0.18432991	3.33714815	0.57495358	0.75602586
ENSMUSG00000028343	0.1843046	7.78611401	0.54739736	0.73458601
ENSMUSG00000026925	0.18415686	4.17100205	0.56189626	0.7458751

ENSMUSG00000027465	0.18415256	5.99995004	0.55156729	0.73724612
ENSMUSG00000037885	0.18370548	5.24784588	0.55646603	0.74110899
ENSMUSG00000027883	0.18343843	4.54082332	0.56050773	0.74482107
ENSMUSG00000052429	0.18329803	7.22034765	0.55123826	0.73699733
ENSMUSG00000028960	0.1831148	6.78896879	0.55164965	0.73726482
ENSMUSG00000100078	0.18286084	3.1940098	0.57646535	0.75695564
ENSMUSG00000015702	0.18223768	1.47551421	0.64297653	0.80158258
ENSMUSG00000021427	0.18206997	8.73075464	0.55180473	0.73738069
ENSMUSG00000039737	0.18182633	3.73194361	0.58033551	0.75987593
ENSMUSG00000037944	0.18180447	5.52754916	0.55950895	0.7438965
ENSMUSG00000040913	0.1816621	2.21963881	0.59382701	0.76895179
ENSMUSG00000024742	0.18153839	6.75766603	0.55535215	0.74037799
ENSMUSG00000034773	0.18102585	3.87080425	0.5783616	0.75811979
ENSMUSG00000036955	0.18085943	4.84771918	0.56289621	0.74692664
ENSMUSG00000070461	0.18041147	2.421912	0.59999412	0.77340863
ENSMUSG00000034789	0.18032264	4.31004879	0.575227	0.75602586
ENSMUSG00000028229	0.18007853	1.89937183	0.60778945	0.77831307
ENSMUSG00000032020	0.17978841	4.33573794	0.56705889	0.74968285
ENSMUSG00000030768	0.17966414	2.3182201	0.63248147	0.79467321
ENSMUSG00000040710	0.17945443	7.0628963	0.55840105	0.74269819
ENSMUSG00000097534	0.17890561	2.61958566	0.59744915	0.77132666
ENSMUSG00000041775	0.17858245	2.79286817	0.59424341	0.76913981
ENSMUSG00000022557	0.17855974	5.77725859	0.56606885	0.7489174
ENSMUSG00000071661	0.17843347	1.45322041	0.66514757	0.8167788
ENSMUSG00000074930	0.17839421	2.65858938	0.60653814	0.7773334
ENSMUSG00000026080	0.17776957	5.13424349	0.56988108	0.75184702
ENSMUSG00000021767	0.17734574	4.21025436	0.57643862	0.75695564
ENSMUSG00000038615	0.17710176	6.72317996	0.56517442	0.74848834
ENSMUSG00000000409	0.17709535	3.13531677	0.60199931	0.77455811
ENSMUSG00000047789	0.17694744	4.63147939	0.57259663	0.75465517
ENSMUSG00000014959	0.17684952	7.05964499	0.56495814	0.74848834
ENSMUSG00000028015	0.17666469	5.86020529	0.56668226	0.74936867
ENSMUSG00000034595	0.17660333	6.96180593	0.56576247	0.748887
ENSMUSG00000028837	0.17657153	6.90763936	0.56609055	0.7489174
ENSMUSG00000036086	0.17631953	4.6452032	0.57489158	0.75602586
ENSMUSG00000039148	0.17550049	5.55681914	0.57410775	0.75575185
ENSMUSG00000021420	0.17538135	3.50871794	0.59677238	0.77096314
ENSMUSG00000054455	0.17528125	5.01043529	0.57549445	0.75610772
ENSMUSG00000000740	0.17518679	7.81873299	0.56782186	0.75050754
ENSMUSG00000071477	0.17506708	3.54350053	0.59184983	0.76758973
ENSMUSG00000057554	0.1747026	6.05941286	0.57120379	0.75322348
ENSMUSG00000013662	0.17458841	8.25645495	0.56842181	0.75093236
ENSMUSG00000059689	0.17447773	3.11425191	0.60536947	0.77653198

ENSMUSG00000026404	0.17440878	3.60173992	0.58841823	0.76555569
ENSMUSG00000028958	0.1741463	0.64734687	0.71907586	0.84906538
ENSMUSG00000042625	0.17379614	6.13606017	0.57431785	0.75575884
ENSMUSG00000048027	0.17346545	1.78168486	0.65945646	0.81275183
ENSMUSG00000066640	0.17340521	3.25925399	0.60747116	0.77802482
ENSMUSG00000025224	0.17322656	7.1495666	0.5726394	0.75465517
ENSMUSG00000037363	0.1731895	1.38017336	0.62425715	0.78872304
ENSMUSG00000032425	0.17299157	3.56652883	0.59234202	0.76772574
ENSMUSG00000025969	0.17279429	5.94687494	0.57506372	0.75602586
ENSMUSG00000029708	0.17271605	4.24803542	0.58620162	0.76398826
ENSMUSG00000028796	0.172287	5.29152619	0.58275875	0.76149113
ENSMUSG00000031101	0.17215083	7.98461245	0.57424246	0.75575185
ENSMUSG00000005469	0.17178733	5.53255675	0.58077428	0.76016891
ENSMUSG00000055413	0.17156878	4.86757048	0.58606578	0.76394699
ENSMUSG00000030990	0.17144171	5.0608427	0.58430576	0.76257452
ENSMUSG00000063524	0.17101668	7.55676924	0.57779787	0.75783033
ENSMUSG00000030126	0.17099672	4.73931141	0.586386	0.76408732
ENSMUSG00000052102	0.17081809	6.58533965	0.57918966	0.75883627
ENSMUSG00000022678	0.17033108	6.63245401	0.58046744	0.7599564
ENSMUSG00000079563	0.17025526	1.52785181	0.70356795	0.84022461
ENSMUSG00000052155	0.17021042	2.55308181	0.63071021	0.79374243
ENSMUSG00000004637	0.17011566	2.8867773	0.61682612	0.78462657
ENSMUSG00000030744	0.17006815	10.0248547	0.57806285	0.75791244
ENSMUSG00000021411	0.16982167	3.55844917	0.60287535	0.77499199
ENSMUSG00000000827	0.16902073	5.28089457	0.58871582	0.76564651
ENSMUSG00000074582	0.16893293	6.56708681	0.58303234	0.76174227
ENSMUSG00000020149	0.16891574	7.96183027	0.5812899	0.76036285
ENSMUSG00000020474	0.16873725	4.29384211	0.60136935	0.77425586
ENSMUSG00000015289	0.16860198	3.98544718	0.60233165	0.77466243
ENSMUSG00000028894	0.16851632	5.86112708	0.58561419	0.76363523
ENSMUSG00000071054	0.16843927	6.50374423	0.58505652	0.76339418
ENSMUSG00000038301	0.16838527	5.19605047	0.58748649	0.76468971
ENSMUSG00000039997	0.16819098	8.45704147	0.58251259	0.76143222
ENSMUSG00000005973	0.16818709	4.81004499	0.59131521	0.76717315
ENSMUSG00000038845	0.16818619	5.69383719	0.58890877	0.76570921
ENSMUSG00000025156	0.16783297	5.41848928	0.59205746	0.76770605
ENSMUSG00000024789	0.16782231	7.52687874	0.58389921	0.76226644
ENSMUSG00000032519	0.1676052	2.89783493	0.6285024	0.79171634
ENSMUSG00000026385	0.16747958	6.33285628	0.58739016	0.76468971
ENSMUSG00000060992	0.16738219	7.68470986	0.58521696	0.76339418
ENSMUSG00000049960	0.16737134	5.05248573	0.59530815	0.7699452
ENSMUSG00000091562	0.16723363	3.60134332	0.60725708	0.77793542
ENSMUSG00000024132	0.16708616	4.00136229	0.60151342	0.77425647

ENSMUSG00000030591	0.16690622	8.00379224	0.58603529	0.76394699
ENSMUSG00000022503	0.16666862	6.23036609	0.59050704	0.76704745
ENSMUSG00000052085	0.16658308	7.72735542	0.58679512	0.76443211
ENSMUSG00000022837	0.16607068	5.4414399	0.59141442	0.76720956
ENSMUSG00000079562	0.16587702	5.74644254	0.59365692	0.76882385
ENSMUSG00000031820	0.16577796	4.8750811	0.60116406	0.77408397
ENSMUSG00000000902	0.16570127	6.14992162	0.59238185	0.76772574
ENSMUSG00000034429	0.16564438	1.82148984	0.68918977	0.83255545
ENSMUSG00000032479	0.16563791	7.394487	0.58933301	0.76587253
ENSMUSG00000046861	0.16559375	4.67114629	0.59932112	0.77328057
ENSMUSG00000045237	0.1655724	3.11093398	0.62268009	0.78821501
ENSMUSG00000053604	0.16551962	6.53316226	0.59113952	0.76716376
ENSMUSG00000031684	0.16524609	5.05686218	0.5957084	0.77018575
ENSMUSG00000025888	0.16522552	6.79035363	0.5908288	0.76716376
ENSMUSG00000039640	0.16495129	5.29545497	0.60079714	0.77398116
ENSMUSG00000001918	0.16485998	7.51453774	0.59123684	0.76716376
ENSMUSG00000031938	0.16475747	3.5155491	0.61210031	0.78107795
ENSMUSG00000027284	0.1646941	5.15597215	0.5968408	0.77096314
ENSMUSG00000034908	0.16464292	6.36761737	0.594256	0.76913981
ENSMUSG00000068040	0.16446212	6.62192265	0.59362351	0.76882385
ENSMUSG00000023973	0.16439491	5.3130991	0.59971325	0.77340863
ENSMUSG00000070319	0.1643728	6.68868065	0.59410395	0.76913981
ENSMUSG00000019986	0.16434521	4.03174921	0.60481568	0.77609225
ENSMUSG00000024193	0.1642425	2.0990992	0.66531468	0.81679799
ENSMUSG00000049709	0.16414536	2.77979486	0.62346901	0.78864486
ENSMUSG00000052395	0.16404522	4.29010147	0.60461116	0.7759736
ENSMUSG00000002625	0.16399775	5.14156974	0.60017714	0.77350591
ENSMUSG00000028944	0.16371524	4.41790769	0.60279631	0.77498276
ENSMUSG00000029804	0.16359169	5.53419682	0.59707132	0.77105847
ENSMUSG00000020946	0.16353644	6.94619011	0.59467846	0.76949994
ENSMUSG00000049091	0.16323613	5.63690827	0.59941299	0.7732992
ENSMUSG00000028550	0.1629991	3.18871571	0.61556577	0.78392315
ENSMUSG00000025035	0.16294323	3.11752033	0.61538113	0.78392315
ENSMUSG00000031672	0.16283774	7.77058942	0.59550177	0.77001092
ENSMUSG00000036391	0.16275161	6.69685887	0.59615388	0.77057695
ENSMUSG00000029432	0.16273223	4.44005557	0.60450433	0.7759736
ENSMUSG00000050428	0.16266175	2.44877557	0.66039702	0.8133533
ENSMUSG00000041638	0.16242686	5.48437245	0.6037881	0.77547987
ENSMUSG00000039414	0.16235508	5.68975634	0.59993985	0.77340863
ENSMUSG00000018750	0.16134467	4.49653419	0.60691966	0.77768794
ENSMUSG00000037536	0.16123623	4.20345719	0.61551967	0.78392315
ENSMUSG00000019295	0.16111261	4.68283511	0.60851235	0.77871095
ENSMUSG00000014313	0.16098805	6.13353125	0.6025529	0.77485458

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ENSMUSG00000038256	0.16021836	5.06886275	0.60951688	0.77897962
ENSMUSG00000022771	0.16013377	6.10838954	0.60457316	0.7759736
ENSMUSG00000036879	0.16011703	5.5329363	0.60488273	0.77609225
ENSMUSG00000022130	0.15991078	4.80690827	0.61039054	0.77940596
ENSMUSG00000040297	0.15982046	7.29961695	0.60207357	0.77455811
ENSMUSG00000035047	0.15961095	5.50592602	0.60908006	0.77888289
ENSMUSG00000029649	0.1593644	7.40411961	0.60364751	0.77542999
ENSMUSG00000040018	0.15900548	5.9938107	0.60710451	0.77783236
ENSMUSG00000025372	0.15855925	1.75208839	0.69713596	0.83647886
ENSMUSG00000004945	0.15800385	4.65758932	0.6177564	0.78496222
ENSMUSG00000025572	0.15783409	3.93577216	0.62963155	0.79284758
ENSMUSG00000057132	0.15769861	4.3094063	0.62106065	0.78738749
ENSMUSG00000029344	0.15769592	3.98834853	0.6272046	0.7908751
ENSMUSG00000003208	0.15754019	2.57061664	0.67211206	0.82186829
ENSMUSG00000020978	0.15727275	7.59857587	0.60836476	0.77864287
ENSMUSG00000053702	0.15725038	2.46382922	0.63702201	0.79712757
ENSMUSG00000042302	0.15693871	2.55166885	0.64406234	0.80197365
ENSMUSG00000046079	0.15673468	5.3934185	0.61430018	0.78277362
ENSMUSG00000078202	0.15672144	1.01528481	0.67046164	0.82068767
ENSMUSG00000030345	0.15630303	1.0138962	0.67361378	0.82267849
ENSMUSG00000025357	0.15605763	5.91954923	0.61317274	0.78199102
ENSMUSG00000023971	0.15595201	3.35211494	0.6442304	0.80197365
ENSMUSG00000001632	0.1559321	5.65482759	0.61616297	0.78413274
ENSMUSG00000024387	0.15590591	6.44261441	0.61391285	0.78270312
ENSMUSG00000014426	0.15559702	4.668701	0.62138166	0.78766566
ENSMUSG00000009569	0.15558502	5.48706362	0.61616662	0.78413274
ENSMUSG00000022416	0.15555373	3.21352031	0.63628377	0.7963886
ENSMUSG00000061589	0.15550934	5.74045643	0.61741476	0.78496222
ENSMUSG00000029726	0.15544444	4.87767271	0.62340295	0.78864486
ENSMUSG00000006058	0.15538468	5.74457088	0.61684233	0.78462657
ENSMUSG00000009108	0.15525721	1.24928468	0.68317089	0.82882463
ENSMUSG00000040006	0.15477016	4.80134645	0.6223714	0.78821501
ENSMUSG00000019802	0.15388046	7.61071495	0.61569839	0.78399946
ENSMUSG00000027255	0.15380875	6.59238065	0.61779636	0.78496222
ENSMUSG00000057409	0.15363429	5.34076428	0.61995865	0.78680564
ENSMUSG00000039473	0.15350338	7.01581388	0.61713058	0.78489635
ENSMUSG00000003528	0.15337861	5.09508986	0.62484791	0.78912897
ENSMUSG00000039656	0.15337745	4.1448656	0.63559446	0.79580526
ENSMUSG00000035133	0.15336781	5.8284554	0.61878777	0.7858918
ENSMUSG00000021575	0.15320186	3.29613657	0.64763238	0.80499345
ENSMUSG00000059439	0.15310307	3.7321595	0.63179442	0.79427268
ENSMUSG00000036246	0.15300302	6.11817971	0.62096759	0.78738749

ENSMUSG00000020918	0.15297572	5.67649079	0.62324793	0.78864486
ENSMUSG00000000486	0.15270929	5.78300827	0.6237949	0.78872304
ENSMUSG00000021697	0.1522862	3.83465883	0.63834137	0.79813024
ENSMUSG00000042292	0.15221115	4.11266646	0.63265684	0.79477217
ENSMUSG00000026456	0.15186603	4.98616501	0.62853569	0.79171634
ENSMUSG00000031534	0.15186188	3.00672858	0.63476792	0.7955994
ENSMUSG00000021468	0.15184758	5.84833875	0.62351503	0.78864486
ENSMUSG00000069678	0.15184557	2.33144779	0.68089353	0.82796432
ENSMUSG00000040263	0.15179508	5.14114541	0.62988612	0.79286899
ENSMUSG00000061518	0.15169878	5.70877454	0.62658201	0.79039836
ENSMUSG00000002983	0.15152497	4.25865334	0.64075482	0.80022003
ENSMUSG00000022389	0.15122438	4.95864383	0.62984603	0.79286899
ENSMUSG00000039989	0.15102918	4.60206371	0.63167579	0.79427268
ENSMUSG00000074129	0.15102686	9.03752954	0.621749	0.7877684
ENSMUSG00000022956	0.15099614	7.24056588	0.6233464	0.78864486
ENSMUSG00000039703	0.15098468	7.5094276	0.62266595	0.78821501
ENSMUSG00000027809	0.15089382	5.65680924	0.62685132	0.79063914
ENSMUSG00000025245	0.15082453	5.3305075	0.62708362	0.79083964
ENSMUSG00000046691	0.15078513	7.06712787	0.62393791	0.78872304
ENSMUSG00000035885	0.15077046	6.19827218	0.62560806	0.78971758
ENSMUSG00000030091	0.15068614	8.43784841	0.62273578	0.78821501
ENSMUSG00000020437	0.15066091	7.38530406	0.62401667	0.78872304
ENSMUSG00000027452	0.15028918	4.11527629	0.63356155	0.79515627
ENSMUSG00000024787	0.15009093	2.90424159	0.67135533	0.82131547
ENSMUSG00000032402	0.15008975	4.34872895	0.6338086	0.79515627
ENSMUSG00000031960	0.15001649	7.82864696	0.62485595	0.78912897
ENSMUSG00000035069	0.14969296	4.33321517	0.63802883	0.79801704
ENSMUSG00000041650	0.14963715	4.98959705	0.63202614	0.79442051
ENSMUSG00000023961	0.14941968	1.7786731	0.66144943	0.8140916
ENSMUSG00000071644	0.14930298	10.4713912	0.62523985	0.78943761
ENSMUSG00000026249	0.14905977	3.89189186	0.63540968	0.79580392
ENSMUSG00000029715	0.14901714	2.02543165	0.72435626	0.85287236
ENSMUSG00000044030	0.14898298	2.16446744	0.67922037	0.82690364
ENSMUSG00000022571	0.14865117	3.7133015	0.6506108	0.8066437
ENSMUSG00000030374	0.14845364	5.52541344	0.6350047	0.79572479
ENSMUSG00000015804	0.14794925	5.18428617	0.63567012	0.79580526
ENSMUSG00000030986	0.14763085	4.42820371	0.64101842	0.80031711
ENSMUSG00000039686	0.14750487	3.63253032	0.6636746	0.81530252
ENSMUSG00000005621	0.14731695	6.46170156	0.63276101	0.79477217
ENSMUSG00000002897	0.14715577	6.32067999	0.63407235	0.7951897
ENSMUSG00000035051	0.14709837	6.30838138	0.63278185	0.79477217
ENSMUSG00000066839	0.14697135	3.99912246	0.65894027	0.81230131
ENSMUSG00000055553	0.14679247	4.47774163	0.64844161	0.80525038

ENSMUSG00000021040	0.14679033	5.07595125	0.63829081	0.79813024
ENSMUSG00000075415	0.1466629	8.63110779	0.63179093	0.79427268
ENSMUSG00000039230	0.14650503	6.52679566	0.6346721	0.7955994
ENSMUSG00000039220	0.14646699	6.33793196	0.635408	0.79580392
ENSMUSG00000062647	0.14629707	5.44600751	0.64033386	0.80006492
ENSMUSG00000038524	0.14621197	1.78096854	0.70256858	0.83985354
ENSMUSG00000049728	0.14606444	2.38950297	0.69111767	0.83335668
ENSMUSG00000020458	0.14602432	7.08374066	0.6341759	0.79522709
ENSMUSG00000044627	0.14568067	7.12046017	0.63566225	0.79580526
ENSMUSG00000005936	0.14553476	7.29362289	0.63544766	0.79580392
ENSMUSG00000073437	0.14549202	3.53912533	0.65669976	0.81095201
ENSMUSG00000022489	0.14522824	3.89613149	0.65687678	0.81095201
ENSMUSG00000052751	0.14519281	2.97619979	0.65651035	0.81095201
ENSMUSG00000054150	0.14515222	5.15556961	0.64226902	0.80099794
ENSMUSG00000040506	0.14478138	5.73961811	0.64065203	0.80018432
ENSMUSG00000024182	0.14458926	5.77832678	0.64198098	0.80091658
ENSMUSG00000025494	0.14443956	2.06788621	0.71361186	0.84644245
ENSMUSG00000030979	0.1442252	3.7134628	0.65683867	0.81095201
ENSMUSG00000037278	0.14393207	6.0429578	0.64245026	0.80103868
ENSMUSG00000021877	0.14390081	7.56226268	0.63870321	0.79839752
ENSMUSG00000002550	0.14362266	4.72115497	0.65105202	0.80691242
ENSMUSG00000020321	0.14353035	8.17927034	0.63942662	0.79911654
ENSMUSG00000006010	0.14352811	5.89632155	0.64185029	0.80085999
ENSMUSG00000025950	0.14335079	4.21600799	0.64802019	0.80516297
ENSMUSG00000030468	0.14328061	7.09923998	0.64105519	0.80031711
ENSMUSG00000057177	0.14327772	6.13505424	0.64424126	0.80197365
ENSMUSG00000063275	0.14323285	1.37024914	0.70527194	0.8412402
ENSMUSG00000051256	0.14321554	5.02342287	0.64763753	0.80499345
ENSMUSG00000059995	0.14301385	6.07338076	0.64408208	0.80197365
ENSMUSG00000020250	0.14291561	8.34628567	0.64060357	0.80018432
ENSMUSG00000004798	0.14271528	4.93569887	0.64815225	0.80516921
ENSMUSG00000003348	0.14270549	6.36401343	0.64411683	0.80197365
ENSMUSG00000059355	0.14259168	4.41621188	0.65282342	0.80845748
ENSMUSG00000036339	0.1423578	4.92154108	0.64748329	0.80498729
ENSMUSG00000004285	0.14225772	4.90556559	0.65304002	0.80854002
ENSMUSG00000053094	0.1421793	7.00618774	0.64358909	0.80197365
ENSMUSG00000020801	0.1419272	1.9838907	0.72002947	0.85000524
ENSMUSG00000037351	0.14177639	5.57838193	0.64988032	0.80624904
ENSMUSG00000062234	0.14118574	7.12843345	0.64597314	0.803573
ENSMUSG00000023861	0.14098913	5.90258526	0.64873362	0.80542751
ENSMUSG00000059866	0.14077111	3.89830586	0.668413	0.81932801
ENSMUSG00000060450	0.14077084	6.46655619	0.64729799	0.8048497
ENSMUSG00000037805	0.14055	7.81420899	0.64684378	0.80456325

ENSMUSG00000020483	0.1405347	6.00236273	0.64970047	0.80624904
ENSMUSG00000034751	0.14050203	4.40524211	0.65034735	0.80644253
ENSMUSG00000014498	0.14047517	7.00681058	0.6478031	0.80510644
ENSMUSG00000029587	0.14046296	4.57840377	0.65676067	0.81095201
ENSMUSG00000033819	0.14045529	1.52747769	0.75558633	0.87212277
ENSMUSG00000022329	0.14018343	4.20178223	0.65772439	0.81145176
ENSMUSG00000038384	0.14016615	4.26150393	0.66578429	0.8171639
ENSMUSG00000029416	0.14008458	4.86450409	0.65613317	0.81069432
ENSMUSG00000058454	0.13997684	5.13799827	0.65579814	0.81037322
ENSMUSG00000020514	0.13974782	4.42030357	0.66125233	0.81394192
ENSMUSG00000028914	0.13938362	4.42343991	0.6619367	0.81431957
ENSMUSG0000003039	0.13918164	5.76427032	0.65356167	0.80890728
ENSMUSG00000024422	0.13882074	5.81867168	0.65549696	0.81009388
ENSMUSG00000021901	0.13879064	6.22934147	0.65392875	0.80908302
ENSMUSG00000044783	0.13835924	8.51650067	0.65122137	0.80702956
ENSMUSG00000030301	0.13825827	3.71490037	0.66878952	0.81932801
ENSMUSG00000009621	0.13820084	6.8593728	0.65356161	0.80890728
ENSMUSG00000020228	0.13769588	5.62842872	0.65701852	0.81095201
ENSMUSG00000033096	0.13761281	5.97430882	0.65635847	0.8108798
ENSMUSG00000002524	0.1371791	6.21652591	0.65798498	0.8116804
ENSMUSG00000005481	0.13713897	7.73108616	0.6549845	0.8099035
ENSMUSG00000024660	0.13710321	7.48338603	0.65530458	0.81001571
ENSMUSG00000030286	0.13704634	6.44967347	0.65695407	0.81095201
ENSMUSG00000015314	0.13704631	8.39714118	0.6542933	0.80933255
ENSMUSG00000036180	0.13656816	6.01307908	0.65981256	0.81307233
ENSMUSG00000092341	0.1363962	9.30693096	0.65534211	0.81001571
ENSMUSG00000004996	0.13629036	3.667285	0.67701374	0.82514876
ENSMUSG00000063714	0.13627602	0.90603466	0.80117625	0.89737066
ENSMUSG00000066026	0.13626915	3.41529077	0.68006198	0.82736782
ENSMUSG00000021114	0.13624787	6.21093853	0.65855681	0.81201425
ENSMUSG00000025825	0.13584063	4.38393949	0.67232789	0.82200151
ENSMUSG00000026201	0.13565267	4.79350971	0.66800096	0.81907019
ENSMUSG00000051853	0.13563813	7.33985229	0.65869598	0.812093
ENSMUSG00000015846	0.13560976	4.19315521	0.67260417	0.82219036
ENSMUSG00000058626	0.13546366	0.62999572	0.90332859	0.95364616
ENSMUSG00000001211	0.13531893	5.41666056	0.66530478	0.81679799
ENSMUSG00000033458	0.13514516	3.07422641	0.68614612	0.83046889
ENSMUSG00000006498	0.13484333	8.19866831	0.6600181	0.81307233
ENSMUSG00000025269	0.1348409	4.21641108	0.67349124	0.82262199
ENSMUSG00000006289	0.1346085	5.23393177	0.66673654	0.81779877
ENSMUSG00000026199	0.13457796	4.09947504	0.67567203	0.8241655
ENSMUSG00000002699	0.13455554	6.38493039	0.66325644	0.81530252
ENSMUSG00000028678	0.13448632	6.5793092	0.66288101	0.81520228

ENSMUSG00000066829	0.13448101	3.66229949	0.68297959	0.82882463
ENSMUSG00000027933	0.1343949	6.5995841	0.66301635	0.81527575
ENSMUSG00000079487	0.13423152	6.90558287	0.66260709	0.81505131
ENSMUSG00000031785	0.13419237	1.30742842	0.78170527	0.88671643
ENSMUSG00000057229	0.13401515	4.2629917	0.6748125	0.82360706
ENSMUSG00000037940	0.13396042	4.95658525	0.66611837	0.81731943
ENSMUSG00000037553	0.13347958	5.23228625	0.67073178	0.82083378
ENSMUSG00000031029	0.13333437	8.27478342	0.66345704	0.81530252
ENSMUSG00000079003	0.13328132	4.45224	0.67875211	0.82652018
ENSMUSG00000022335	0.13311959	2.72695487	0.7026305	0.83985354
ENSMUSG00000036880	0.13300086	3.50053611	0.69716914	0.83647886
ENSMUSG00000020022	0.13295206	5.09724354	0.67285396	0.82227802
ENSMUSG00000078584	0.13234206	4.9638002	0.67328856	0.82261828
ENSMUSG00000079057	0.13227424	3.93179273	0.68088642	0.82796432
ENSMUSG00000033900	0.13206292	2.35770441	0.71606554	0.84808541
ENSMUSG00000031591	0.13159326	6.43509151	0.66881904	0.81932801
ENSMUSG00000040451	0.13143897	4.46367064	0.67404758	0.82292869
ENSMUSG00000000384	0.13142581	5.74829873	0.67341192	0.82261828
ENSMUSG00000037466	0.13121929	3.90671126	0.68549987	0.83022476
ENSMUSG00000057594	0.13120616	3.06111781	0.69351382	0.83460027
ENSMUSG00000028447	0.13094903	3.44680759	0.70093721	0.83867297
ENSMUSG00000020451	0.13071221	5.27852027	0.676922	0.8251302
ENSMUSG00000022999	0.13048761	3.56548265	0.695355	0.83513847
ENSMUSG00000028656	0.13038041	9.03936603	0.66996798	0.82053972
ENSMUSG00000029142	0.13028821	5.39794313	0.67510358	0.82384486
ENSMUSG00000018293	0.13002803	9.24959603	0.67073324	0.82083378
ENSMUSG00000036894	0.12991136	4.37448073	0.6819759	0.82829053
ENSMUSG00000040435	0.12974499	3.77654865	0.68740026	0.83139654
ENSMUSG00000025724	0.12970326	6.72624007	0.67339226	0.82261828
ENSMUSG00000092607	0.12969877	4.17801095	0.68708743	0.83113301
ENSMUSG00000100975	0.12953206	2.07007027	0.71361186	0.84644245
ENSMUSG00000005465	0.12948852	4.27981331	0.68633265	0.83049947
ENSMUSG00000031755	0.12944059	2.47948903	0.72314427	0.8523922
ENSMUSG00000027865	0.1292205	5.57147646	0.67661199	0.82503207
ENSMUSG00000028104	0.12916212	3.12792572	0.69691858	0.83645742
ENSMUSG00000055897	0.12912883	3.22715706	0.69815182	0.83707733
ENSMUSG00000041841	0.12901597	7.33573721	0.67483235	0.82360706
ENSMUSG00000035152	0.12882518	8.29763579	0.67392863	0.82287663
ENSMUSG00000010025	0.12871948	5.7390201	0.67811007	0.8261115
ENSMUSG00000033373	0.12864591	3.44771643	0.70093721	0.83867297
ENSMUSG00000039191	0.12858519	7.51459033	0.67469715	0.82360706
ENSMUSG00000068523	0.1283113	5.31195605	0.6799293	0.82729974
ENSMUSG00000012405	0.12829208	6.74886966	0.67784509	0.82606064

ENSMUSG00000024170	0.12826784	3.76176256	0.7018259	0.83935794
ENSMUSG00000067567	0.12797843	4.08468348	0.69156881	0.83351479
ENSMUSG00000015112	0.12785001	4.86361593	0.68385654	0.82927122
ENSMUSG00000029524	0.12762391	2.06958744	0.73395694	0.85892476
ENSMUSG00000007833	0.12756865	2.32428324	0.77155621	0.88196547
ENSMUSG00000032258	0.12749865	3.92361192	0.68955393	0.83262193
ENSMUSG00000042328	0.12737556	4.00951802	0.69124402	0.83335668
ENSMUSG00000003037	0.12713168	6.89096007	0.67961863	0.82720172
ENSMUSG00000052632	0.12698907	2.02376805	0.74399995	0.86457925
ENSMUSG00000071078	0.12683321	4.15102439	0.69505927	0.83506229
ENSMUSG00000039396	0.12676239	4.58018822	0.68564371	0.83022476
ENSMUSG00000041319	0.12671589	3.5996463	0.70879669	0.84357835
ENSMUSG00000018841	0.12652497	4.27512578	0.6939173	0.83471324
ENSMUSG00000025155	0.12626089	5.46677785	0.68661003	0.8306487
ENSMUSG00000031545	0.12623608	7.0520302	0.68148732	0.82816228
ENSMUSG00000022982	0.12595159	7.37595478	0.68183902	0.82822167
ENSMUSG00000019494	0.12588194	6.65188991	0.68320931	0.82882463
ENSMUSG00000031232	0.12576042	8.1400245	0.68115561	0.82796432
ENSMUSG00000037470	0.12575339	8.44104712	0.68116422	0.82796432
ENSMUSG00000028793	0.1257203	8.05015914	0.68163653	0.82816228
ENSMUSG00000037257	0.1256425	5.23287923	0.68758379	0.83145365
ENSMUSG00000026730	0.12563686	2.70357834	0.72279373	0.85224225
ENSMUSG00000021238	0.12548999	3.21351347	0.70423131	0.84064982
ENSMUSG00000028383	0.12537743	5.57472415	0.68580827	0.83023759
ENSMUSG00000022463	0.12535086	6.94040726	0.68403245	0.82939126
ENSMUSG00000037012	0.12529033	5.93044824	0.68648314	0.83058838
ENSMUSG00000043683	0.12528392	6.29007749	0.68524976	0.83022476
ENSMUSG00000030276	0.12523733	1.59821968	0.7414134	0.86268905
ENSMUSG00000027963	0.12519634	3.92186909	0.69967073	0.83780248
ENSMUSG00000001403	0.12481079	6.62901814	0.68541749	0.83022476
ENSMUSG00000020936	0.12461219	7.68036375	0.68465962	0.83001462
ENSMUSG00000006463	0.12446576	3.57019339	0.70346525	0.84022461
ENSMUSG00000035268	0.12420057	5.3716945	0.69160704	0.83351479
ENSMUSG00000002741	0.12416487	6.99792337	0.6862275	0.83046889
ENSMUSG00000033446	0.12368586	3.63855234	0.69688668	0.83645742
ENSMUSG00000024026	0.1236229	5.86181652	0.68995071	0.83282517
ENSMUSG00000020212	0.12358194	4.11917183	0.69817171	0.83707733
ENSMUSG00000032612	0.12341684	7.64121151	0.68745947	0.83139654
ENSMUSG00000059791	0.12335634	4.3633545	0.69897377	0.8374141
ENSMUSG00000029578	0.12318981	5.65371915	0.69237676	0.83397643
ENSMUSG00000021257	0.12315251	2.60749656	0.74363258	0.86424547
ENSMUSG00000061544	0.12294083	3.00151673	0.69144881	0.83351039
ENSMUSG00000032202	0.12292436	4.82943545	0.69422278	0.83475024

ENSMUSG00000054199	0.12264057	5.66668467	0.6930751	0.83422377
ENSMUSG00000009905	0.12260875	3.9170203	0.6988033	0.8374141
ENSMUSG00000031633	0.12248738	7.17064183	0.69037172	0.83294737
ENSMUSG00000024571	0.12231388	6.24253356	0.6931236	0.83422377
ENSMUSG00000034522	0.12220624	3.04665881	0.71862522	0.84892688
ENSMUSG00000091780	0.12218497	1.67672435	0.77792904	0.88502867
ENSMUSG00000079020	0.12194796	2.96457522	0.72343992	0.8525381
ENSMUSG00000019731	0.12175523	7.11872989	0.69196929	0.83373651
ENSMUSG00000031158	0.1217545	3.54303467	0.7255032	0.8529024
ENSMUSG00000044770	0.12170225	2.10705537	0.72193437	0.85160143
ENSMUSG00000024639	0.12168932	5.64426621	0.69467276	0.83502433
ENSMUSG00000005674	0.1216831	4.8111997	0.7011305	0.83875344
ENSMUSG00000029434	0.12159262	6.09285556	0.69425769	0.83475024
ENSMUSG00000049439	0.12157621	5.51304085	0.69533082	0.83513847
ENSMUSG00000024425	0.12147219	6.62184545	0.69292191	0.83422377
ENSMUSG00000028826	0.12127791	5.53670941	0.69628184	0.8360654
ENSMUSG00000031422	0.12124907	8.48686173	0.69202295	0.83373651
ENSMUSG00000071037	0.12116676	1.24433668	0.77419743	0.88312601
ENSMUSG00000026427	0.12111914	5.77551187	0.69652257	0.83626134
ENSMUSG00000031666	0.12096782	6.49566968	0.69437973	0.8348039
ENSMUSG00000001248	0.12090452	5.73073597	0.69834001	0.83713858
ENSMUSG00000024069	0.12067711	4.14583602	0.70815327	0.84299866
ENSMUSG00000025208	0.12027404	4.04575913	0.7130395	0.84629298
ENSMUSG00000018858	0.12011754	4.24185227	0.71278697	0.84617951
ENSMUSG00000025508	0.12011061	6.25786678	0.69918531	0.8374141
ENSMUSG00000040592	0.12007866	9.29270249	0.69476903	0.83502433
ENSMUSG00000031584	0.12006178	4.87840516	0.69992248	0.83782965
ENSMUSG00000025505	0.11997014	2.97741145	0.7264707	0.85321934
ENSMUSG00000002342	0.11965397	4.2775869	0.71093767	0.84524235
ENSMUSG00000021271	0.11958494	3.3374944	0.71887984	0.84892688
ENSMUSG00000022350	0.1194999	7.04273544	0.69733344	0.83658292
ENSMUSG00000019977	0.119484	6.72563262	0.69802072	0.83707733
ENSMUSG00000031176	0.11947215	5.56869987	0.69983823	0.83782965
ENSMUSG00000074922	0.11941572	2.79079942	0.73746131	0.86125003
ENSMUSG00000018572	0.11937094	5.67851221	0.70233888	0.83978517
ENSMUSG00000059824	0.11925264	2.06164951	0.75045115	0.86879927
ENSMUSG00000014551	0.11900368	4.84171906	0.70618342	0.84186182
ENSMUSG00000052056	0.11896644	6.67844331	0.69919107	0.8374141
ENSMUSG00000035392	0.11896088	4.16649289	0.71642727	0.8481852
ENSMUSG00000051675	0.11837671	3.83959657	0.71688088	0.84842443
ENSMUSG00000043931	0.11837588	5.04158187	0.7035394	0.84022461
ENSMUSG00000037742	0.1180762	13.1998624	0.69909231	0.8374141
ENSMUSG00000004677	0.11799072	6.38016391	0.70270758	0.83985354

ENSMUSG00000027455	0.11789471	5.79432946	0.70599839	0.84173429
ENSMUSG00000024248	0.11756223	6.76082086	0.70297405	0.83998583
ENSMUSG00000004530	0.11750598	6.27698101	0.70490744	0.84089843
ENSMUSG00000000374	0.11735505	6.41203	0.70364136	0.84022461
ENSMUSG00000042670	0.11716692	4.39759815	0.70588422	0.84173429
ENSMUSG00000024096	0.11646635	5.98899444	0.70693731	0.84238038
ENSMUSG00000000028	0.11633974	6.63150277	0.70580711	0.84173429
ENSMUSG00000010376	0.11604693	6.77828462	0.706321	0.84193276
ENSMUSG00000095041	0.116006	6.48452509	0.70798154	0.84298033
ENSMUSG00000042502	0.11599915	6.73933584	0.70700898	0.84238038
ENSMUSG00000028718	0.11599107	6.41788611	0.70598742	0.84173429
ENSMUSG00000032320	0.11577313	5.41786463	0.7095162	0.84424834
ENSMUSG00000020087	0.11544295	3.8200564	0.73036497	0.85654819
ENSMUSG00000033216	0.11517685	4.34375415	0.72291114	0.8522875
ENSMUSG00000068267	0.11513251	5.21843295	0.71555598	0.84803477
ENSMUSG00000028107	0.11502368	5.2712648	0.71502026	0.84771092
ENSMUSG00000063808	0.11474627	4.44518748	0.71842246	0.84892688
ENSMUSG00000027219	0.11465626	5.95347072	0.71019917	0.84487456
ENSMUSG00000090319	0.11381965	2.14950005	0.76356987	0.87664617
ENSMUSG00000034893	0.11381824	6.22051861	0.71217861	0.8461093
ENSMUSG00000022723	0.11374917	5.04235895	0.71550711	0.84803477
ENSMUSG00000015087	0.11336481	6.16411675	0.71446407	0.8472378
ENSMUSG00000038990	0.11327143	5.36151896	0.71770572	0.8487486
ENSMUSG00000031971	0.11301141	2.58236211	0.73996342	0.8622113
ENSMUSG00000000711	0.11294263	6.6167056	0.71371488	0.84644245
ENSMUSG00000027523	0.11285217	8.34870373	0.71266773	0.8461311
ENSMUSG00000039840	0.1128315	5.48801279	0.71599499	0.84808541
ENSMUSG00000026189	0.11281305	3.5087806	0.73389789	0.85892476
ENSMUSG00000021497	0.11255764	4.37070838	0.7241494	0.85281502
ENSMUSG00000020888	0.11253098	3.12122603	0.74981865	0.86825344
ENSMUSG00000025139	0.11249541	6.26192082	0.71562993	0.84803477
ENSMUSG00000027613	0.11240328	5.68801004	0.72055788	0.85031631
ENSMUSG00000074918	0.11206789	4.22946889	0.72360212	0.85259837
ENSMUSG00000024687	0.11174506	7.0333799	0.71611069	0.84808541
ENSMUSG00000026353	0.11162346	7.29457258	0.71612725	0.84808541
ENSMUSG00000032280	0.11146443	4.75665857	0.72391235	0.85265789
ENSMUSG00000028453	0.11127833	4.62632182	0.72585181	0.85299089
ENSMUSG00000000605	0.11123176	6.09783291	0.71868289	0.84892688
ENSMUSG00000039159	0.11113896	4.76785519	0.72435042	0.85287236
ENSMUSG00000025369	0.11101837	6.90528727	0.71829645	0.84892688
ENSMUSG00000039671	0.111012	6.72369099	0.71844148	0.84892688
ENSMUSG00000026213	0.11079236	4.59453806	0.72944924	0.85587864
ENSMUSG00000000134	0.11078392	5.00476854	0.72531983	0.8529024

ENSMUSG00000018974	0.11051174	5.53571313	0.72484969	0.8529024
ENSMUSG00000078521	0.11030297	4.30131986	0.73203544	0.85760675
ENSMUSG00000055240	0.11026004	5.61314224	0.72224239	0.85187158
ENSMUSG00000035399	0.10996232	4.92076126	0.72514169	0.8529024
ENSMUSG00000044709	0.10956805	4.65674511	0.72960902	0.85597298
ENSMUSG00000059890	0.10956202	7.65610562	0.72068723	0.85031631
ENSMUSG00000026277	0.10954334	5.74182796	0.72542559	0.8529024
ENSMUSG00000055862	0.10939411	1.1310516	0.85931833	0.9309932
ENSMUSG00000037251	0.10890778	3.73181411	0.73921415	0.86200869
ENSMUSG00000031953	0.10888529	2.8006814	0.76206704	0.8754599
ENSMUSG00000041949	0.10876768	3.61286545	0.74426052	0.86461136
ENSMUSG00000004815	0.10857344	4.47582882	0.73227598	0.85779537
ENSMUSG00000085399	0.10855502	2.19145664	0.76909166	0.88009946
ENSMUSG00000026162	0.10853775	1.62148716	0.8204702	0.90896213
ENSMUSG00000031691	0.10847893	6.87057707	0.72483422	0.8529024
ENSMUSG00000030225	0.10847146	4.80926339	0.73193137	0.85760675
ENSMUSG00000026457	0.10841061	6.45152208	0.72564721	0.8529024
ENSMUSG00000060733	0.10778217	6.64846196	0.72644329	0.85321934
ENSMUSG00000005087	0.10765577	9.81873243	0.72471713	0.8529024
ENSMUSG00000037075	0.10763759	5.95643905	0.72639863	0.85321934
ENSMUSG00000005354	0.10755349	5.83476716	0.7305482	0.85660887
ENSMUSG00000059291	0.10754673	8.65659304	0.7255172	0.8529024
ENSMUSG00000028437	0.1074109	5.60230991	0.72971914	0.85600905
ENSMUSG00000039361	0.10737991	7.74974682	0.7258807	0.85299089
ENSMUSG00000025366	0.10733406	7.15634727	0.72738976	0.85411271
ENSMUSG00000038773	0.10727385	6.93717608	0.72713791	0.85390996
ENSMUSG00000030603	0.10712427	7.36650114	0.72759589	0.85426174
ENSMUSG00000038518	0.10708579	5.6695316	0.72936413	0.8558719
ENSMUSG00000025816	0.10691168	4.66848384	0.73471896	0.85936449
ENSMUSG00000029097	0.10690579	3.06540999	0.76064142	0.87514746
ENSMUSG00000036099	0.10689674	4.64990967	0.73561636	0.85993353
ENSMUSG00000030156	0.10633355	7.78940616	0.72841538	0.85494466
ENSMUSG00000018659	0.10587354	4.98878664	0.73826233	0.86162565
ENSMUSG00000038393	0.10585683	6.7159581	0.73079315	0.85680292
ENSMUSG00000032869	0.10582637	4.97197142	0.7379521	0.86162565
ENSMUSG00000018900	0.10568109	3.52009638	0.74325477	0.86424547
ENSMUSG00000034892	0.10555091	6.31067957	0.73326756	0.85849439
ENSMUSG00000031483	0.10554947	5.53669776	0.73456523	0.85936449
ENSMUSG00000026923	0.10540959	4.9685756	0.73929061	0.86200869
ENSMUSG00000005483	0.10536986	6.02592058	0.73387284	0.85892476
ENSMUSG00000020898	0.10533064	5.90416384	0.73471613	0.85936449
ENSMUSG00000048833	0.10526733	6.57067141	0.73254245	0.85801431
ENSMUSG00000050567	0.10513025	4.74633757	0.7382149	0.86162565

ENSMUSG00000022721	0.10509272	6.07397338	0.73535428	0.85972035
ENSMUSG00000035828	0.10492943	3.82938298	0.74909431	0.86781933
ENSMUSG00000073155	0.10483577	4.1573399	0.74660987	0.8664917
ENSMUSG00000029020	0.10476977	6.16284318	0.73518167	0.85965123
ENSMUSG00000049299	0.10446866	5.24004321	0.73869387	0.86184947
ENSMUSG00000030630	0.10445528	3.2543166	0.76231775	0.87558149
ENSMUSG00000028582	0.10429608	5.62562059	0.73816432	0.86162565
ENSMUSG00000044617	0.10377553	3.95147541	0.74727279	0.86707443
ENSMUSG00000036854	0.10372987	1.96287197	0.77406513	0.88312601
ENSMUSG00000024831	0.10348174	2.94834094	0.77281356	0.88246733
ENSMUSG00000031781	0.10341875	4.92565188	0.74426811	0.86461136
ENSMUSG00000030613	0.10322495	3.71237105	0.75461846	0.87136546
ENSMUSG00000039958	0.10313972	3.24210044	0.74352739	0.86424547
ENSMUSG00000062729	0.10310161	4.29218327	0.74701444	0.86686793
ENSMUSG00000047898	0.10304897	1.33956649	0.81761057	0.90718848
ENSMUSG00000020903	0.10296767	4.6023205	0.74654767	0.8664917
ENSMUSG00000029575	0.1028147	3.62730375	0.76024984	0.87497698
ENSMUSG00000043415	0.10272736	3.1146756	0.74918806	0.86781933
ENSMUSG00000039176	0.10231337	5.95853255	0.74208085	0.86327938
ENSMUSG00000056692	0.10223698	6.88511492	0.74020101	0.86225448
ENSMUSG00000031617	0.10162011	5.74441197	0.7417047	0.86293489
ENSMUSG00000003779	0.10149079	7.70567087	0.74079319	0.86252578
ENSMUSG00000002635	0.10137909	3.33487518	0.76641577	0.87888427
ENSMUSG00000054381	0.10118686	2.47261631	0.79289626	0.89263944
ENSMUSG00000022681	0.10118116	5.28553858	0.74621763	0.86631617
ENSMUSG00000058239	0.10117294	5.40498878	0.74779559	0.86715681
ENSMUSG00000017652	0.10107296	6.61472582	0.74355126	0.86424547
ENSMUSG00000025745	0.10078235	7.49057732	0.74279309	0.86392156
ENSMUSG00000041915	0.10062813	6.62317448	0.74358517	0.86424547
ENSMUSG00000006392	0.10037561	5.6737351	0.74749196	0.86714213
ENSMUSG00000074829	0.10030891	4.17012793	0.74911335	0.86781933
ENSMUSG00000040621	0.09993665	2.38604399	0.78095586	0.88664972
ENSMUSG00000021457	0.09991125	8.71512447	0.74414144	0.86461136
ENSMUSG00000025821	0.09982747	4.06060351	0.76450899	0.87744412
ENSMUSG00000000276	0.09979137	4.85320215	0.74970007	0.86820935
ENSMUSG00000029580	0.09959155	11.114526	0.74449934	0.86478682
ENSMUSG00000047824	0.09939345	5.64479225	0.7499849	0.86835272
ENSMUSG00000048218	0.09937065	5.91766327	0.74780862	0.86715681
ENSMUSG00000079418	0.09887025	5.02318008	0.75160973	0.86958044
ENSMUSG00000028459	0.09871437	6.6856475	0.74875336	0.86781933
ENSMUSG00000078866	0.09847261	3.04164673	0.75747685	0.87299672
ENSMUSG00000032526	0.09825808	3.74321835	0.76582719	0.87848956
ENSMUSG00000037509	0.09785722	1.65054341	0.84837336	0.92477601

ENSMUSG00000037965	0.0978383	7.79516627	0.74949407	0.86806402
ENSMUSG00000040524	0.09770135	5.46533365	0.75408413	0.87091164
ENSMUSG00000052926	0.09751882	4.69986805	0.76100193	0.87527047
ENSMUSG00000029314	0.09744498	2.97103817	0.77661646	0.88423954
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ENSMUSG00000023942	0.09737001	4.66409094	0.76505437	0.8778832
ENSMUSG00000002814	0.09695885	4.65606288	0.76115416	0.87527047
ENSMUSG00000001062	0.09693688	2.56071959	0.8036108	0.89869739
ENSMUSG00000022742	0.0968146	9.18456936	0.75159153	0.86958044
ENSMUSG00000061461	0.09670857	3.96974965	0.76611624	0.87872767
ENSMUSG00000006273	0.09664959	7.56441395	0.75278217	0.87019004
ENSMUSG00000013150	0.0965111	1.21956266	0.86688695	0.93419695
ENSMUSG00000033669	0.09650613	3.62104131	0.77234371	0.88214569
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ENSMUSG00000037001	0.09576959	4.65958717	0.76202441	0.8754599
ENSMUSG00000001100	0.09561891	5.83898957	0.75867698	0.87379605
ENSMUSG000000054520	0.09533132	5.24498886	0.76183654	0.87540173
ENSMUSG00000028772	0.09513124	5.69630541	0.76054869	0.87513413
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ENSMUSG00000028798	0.09506749	7.32669619	0.75764087	0.87309245
ENSMUSG00000023892	0.09467082	4.72517234	0.76168483	0.87532068
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ENSMUSG00000047515	0.09447499	1.33954837	0.81761057	0.90718848
ENSMUSG00000020883	0.09428269	4.86117105	0.76312415	0.87622773
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ENSMUSG00000020692	0.09384525	3.6315764	0.79423242	0.89377047
ENSMUSG00000039715	0.09353609	1.06411508	0.85376696	0.92753676
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ENSMUSG00000025956	0.09085204	3.51789452	0.78569195	0.8884009
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ENSMUSG00000042207	0.08813687	4.91437342	0.77637563	0.88420195
ENSMUSG00000026766	0.08781314	6.92606309	0.77499854	0.88346556
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ENSMUSG00000044197	0.08348161	1.25144501	0.8703698	0.93635814
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ENSMUSG00000003360	0.08282926	6.36997052	0.78989876	0.89097112
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ENSMUSG00000027582	0.08249095	4.31685702	0.80130325	0.8974197
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ENSMUSG00000035297	0.08163483	6.83191988	0.79104474	0.89155946
ENSMUSG00000024191	0.0815172	4.3692891	0.80009983	0.89672381
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ENSMUSG00000023074	0.07953433	3.8995374	0.81101224	0.90341453
ENSMUSG00000030157	0.07936383	6.49874964	0.79621678	0.89469644
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ENSMUSG00000062116	0.07665252	4.34969559	0.81421057	0.90561718
ENSMUSG00000025232	0.07657656	5.45205026	0.80690193	0.90069665
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ENSMUSG00000028452	0.06938978	9.42769465	0.82054399	0.90896213
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ENSMUSG00000067148	0.0669096	5.42147257	0.8333535	0.91618759
ENSMUSG00000021400	0.06676565	5.50033582	0.83152637	0.91524806

ENSMUSG00000034940	0.0667632	6.18232531	0.8290584	0.91379454
ENSMUSG00000078684	0.06651556	4.47921313	0.83683107	0.91776531
ENSMUSG00000060090	0.0665133	6.70353978	0.82845535	0.91354699
ENSMUSG00000050621	0.06643337	7.53110709	0.82904495	0.91379454
ENSMUSG00000021807	0.06638931	7.541656	0.82858634	0.91355435
ENSMUSG00000015377	0.06635463	2.2636547	0.88013485	0.94081009
ENSMUSG00000039157	0.06613588	3.94368884	0.843609	0.92182384
ENSMUSG00000044600	0.06606269	5.98971255	0.83145161	0.91524806
ENSMUSG00000029625	0.06568289	4.89763702	0.83831888	0.91892974
ENSMUSG00000024740	0.0654182	9.49946237	0.83068008	0.91500086
ENSMUSG00000020790	0.06540857	7.59714315	0.83105803	0.91515672
ENSMUSG00000025487	0.06521811	7.10835569	0.83267209	0.91562515
ENSMUSG00000019992	0.06515507	5.29091823	0.83465821	0.91706917
ENSMUSG00000070691	0.06512699	6.13078393	0.83452654	0.91706917
ENSMUSG00000025794	0.06487832	9.29505512	0.83214444	0.91541831
ENSMUSG00000034342	0.06485046	7.35521744	0.83232804	0.91552615
ENSMUSG00000053436	0.06474371	6.3271847	0.83470446	0.91706917
ENSMUSG00000017615	0.06462501	5.91909102	0.83583929	0.91723854
ENSMUSG00000040822	0.0644639	5.05104424	0.83930201	0.91916654
ENSMUSG00000002835	0.06417714	6.52308357	0.83673846	0.91775707
ENSMUSG00000046836	0.06406584	6.37492743	0.83539688	0.91723854
ENSMUSG00000039166	0.06396957	2.75674828	0.86409312	0.93248207
ENSMUSG00000041483	0.06382542	6.64539137	0.83539974	0.91723854
ENSMUSG00000062328	0.06373707	7.89097583	0.83576947	0.91723854
ENSMUSG00000006585	0.06366423	4.49610966	0.84664508	0.9237374
ENSMUSG00000079179	0.06364077	3.70878012	0.85618243	0.92925501
ENSMUSG00000055725	0.06328658	1.98970467	0.87795488	0.94010239
ENSMUSG00000022787	0.06326518	3.56113872	0.84838225	0.92477601
ENSMUSG00000017715	0.06310256	4.59328183	0.84878192	0.92494586
ENSMUSG00000050945	0.06299872	2.50902168	0.86933525	0.93577393
ENSMUSG00000039981	0.0628631	5.74576007	0.83884114	0.91896486
ENSMUSG00000050410	0.06246253	5.29785547	0.84435754	0.92249831
ENSMUSG00000021671	0.06232139	5.28595455	0.84267737	0.9211792
ENSMUSG00000010095	0.06231353	7.13479222	0.83999933	0.9194311
ENSMUSG00000028886	0.06225007	6.73116686	0.84001726	0.9194311
ENSMUSG00000006728	0.06210135	7.76411492	0.8400459	0.9194311
ENSMUSG00000037750	0.06194146	4.19855293	0.84966557	0.92506749
ENSMUSG00000046897	0.06191443	6.44018604	0.84143655	0.92047594
ENSMUSG00000040725	0.06189854	8.21714926	0.84008226	0.9194311
ENSMUSG00000097154	0.06173398	1.98430327	0.85742686	0.92962605
ENSMUSG00000031723	0.06154101	3.18426225	0.86035032	0.93139517
ENSMUSG00000022354	0.06134455	5.96460209	0.84453553	0.92249831
ENSMUSG00000032047	0.06126865	7.06197292	0.84226456	0.92100801

ENSMUSG00000024442	0.06106424	4.63504627	0.85255634	0.92697281
ENSMUSG00000073702	0.06087373	8.63859538	0.842618	0.9211792
ENSMUSG00000028629	0.06077269	4.92776866	0.84648951	0.92366113
ENSMUSG00000036450	0.06074432	6.27494733	0.84457219	0.92249831
ENSMUSG00000022807	0.06074189	5.08093754	0.84697441	0.92390978
ENSMUSG00000057230	0.06069218	4.20628375	0.85040728	0.92578156
ENSMUSG00000044367	0.06025605	2.56232681	0.8874353	0.94491531
ENSMUSG00000018425	0.06023886	6.79549923	0.84465396	0.92249831
ENSMUSG00000021192	0.06004043	6.02591548	0.84629103	0.92366113
ENSMUSG00000003464	0.05996968	5.89290104	0.84786947	0.92453973
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ENSMUSG00000001755	0.05987006	3.6820159	0.85986987	0.93119469
ENSMUSG00000086841	0.0597995	4.72140653	0.85271546	0.92697281
ENSMUSG00000005410	0.059168	8.10725831	0.84732731	0.92410778
ENSMUSG00000087266	0.05915728	1.06355145	0.92730228	0.96419555
ENSMUSG00000028525	0.05912075	6.19831304	0.847909	0.92453973
ENSMUSG00000027160	0.05881359	4.40352304	0.85692292	0.92940825
ENSMUSG00000005299	0.05861792	5.80215994	0.85262508	0.92697281
ENSMUSG00000066643	0.05847166	3.89680129	0.86163455	0.93147859
ENSMUSG00000037210	0.05838576	5.53070771	0.85174505	0.92658314
ENSMUSG00000029528	0.05830406	5.93593802	0.85225649	0.92695249
ENSMUSG00000048175	0.05829693	4.73164327	0.85375237	0.92753676
ENSMUSG00000045969	0.05801299	5.63442262	0.85338707	0.92734041
ENSMUSG00000034931	0.05790899	6.721056	0.85156276	0.92648275
ENSMUSG00000025217	0.05789325	4.13352027	0.85751176	0.92962605
ENSMUSG00000022757	0.0577446	6.20996075	0.85247527	0.92697281
ENSMUSG00000026311	0.05738765	4.84194824	0.85701369	0.92940825
ENSMUSG00000020755	0.05667682	5.9693994	0.85640171	0.92939882
ENSMUSG00000021585	0.05664869	6.79116493	0.85391181	0.92753676
ENSMUSG00000039178	0.05657624	3.14466338	0.86644893	0.93400492
ENSMUSG00000045598	0.05657604	3.78144339	0.86888572	0.93569638
ENSMUSG00000054676	0.05652267	4.3347417	0.8629248	0.93177069
ENSMUSG00000078994	0.05648789	4.51403356	0.85303687	0.92705327
ENSMUSG00000020513	0.05634471	4.20743262	0.86000409	0.93124652
ENSMUSG00000037364	0.05601132	7.61978188	0.85577506	0.92899922
ENSMUSG00000020184	0.0556541	7.38749529	0.85618303	0.92925501
ENSMUSG00000034165	0.05565169	5.23700062	0.86299385	0.93177069
ENSMUSG00000082536	0.05554188	2.73405724	0.8744953	0.93864411
ENSMUSG00000028245	0.05546713	6.76481874	0.85697275	0.92940825
ENSMUSG00000026289	0.05544258	5.20363239	0.86057321	0.93139517
ENSMUSG00000062944	0.05535826	3.039524	0.87698757	0.93963577
ENSMUSG00000061132	0.05531463	8.38130883	0.85680238	0.92940825
ENSMUSG00000044250	0.05529976	4.53477079	0.86676783	0.93416193

ENSMUSG00000044502	0.05500113	3.45557607	0.88333478	0.94260595
ENSMUSG00000020456	0.0546821	7.80228167	0.85887946	0.93077641
ENSMUSG00000020091	0.05413036	6.32150864	0.86178757	0.93147859
ENSMUSG00000028800	0.05389784	7.50671798	0.86093815	0.93141623
ENSMUSG00000003153	0.05368255	5.296883	0.86449861	0.93255506
ENSMUSG00000090086	0.0533191	4.42091924	0.87054216	0.93635814
ENSMUSG00000034432	0.05328561	6.18133107	0.86410302	0.93248207
ENSMUSG00000035299	0.05327838	4.11198221	0.87537826	0.93893765
ENSMUSG00000029190	0.05275408	5.57738676	0.86551169	0.93308788
ENSMUSG00000032846	0.05275327	2.87423225	0.87398697	0.93847212
ENSMUSG00000054509	0.05271722	6.62327753	0.86390904	0.93247874
ENSMUSG00000040010	0.05258575	7.59889524	0.8644902	0.93255506
ENSMUSG00000017264	0.05253682	6.97139113	0.86489779	0.93264449
ENSMUSG00000027889	0.05238791	5.4087214	0.86996734	0.93611333
ENSMUSG00000026627	0.05234209	3.65742088	0.88452385	0.94349211
ENSMUSG00000042351	0.05193676	4.17974828	0.87606735	0.9389447
ENSMUSG00000021408	0.05175658	6.17679344	0.86765147	0.93492549
ENSMUSG00000026222	0.05137465	8.98658686	0.86658362	0.93405675
ENSMUSG00000025231	0.05113365	4.7656206	0.87493495	0.93883567
ENSMUSG00000024213	0.05081816	4.9258463	0.87574798	0.9389447
ENSMUSG00000062963	0.05064348	6.07057774	0.87156336	0.93717612
ENSMUSG00000026032	0.0506006	5.16000973	0.87536439	0.93893765
ENSMUSG00000022604	0.05049501	4.91745134	0.8720787	0.93763676
ENSMUSG00000021124	0.05018303	5.74415561	0.87252777	0.9377935
ENSMUSG00000032485	0.04997319	5.48202883	0.87611317	0.9389447
ENSMUSG00000067288	0.04996029	6.75647646	0.8725105	0.9377935
ENSMUSG00000017132	0.04979002	6.21948623	0.87306639	0.938097
ENSMUSG00000026933	0.04955868	5.21498753	0.87609239	0.9389447
ENSMUSG00000026575	0.04948338	3.14574156	0.88538728	0.94394101
ENSMUSG00000029106	0.04912298	7.10199882	0.87333843	0.93817364
ENSMUSG00000074649	0.04907704	3.72540516	0.89604264	0.95042036
ENSMUSG00000005374	0.04899699	6.10063657	0.87502261	0.93883632
ENSMUSG00000027808	0.04881001	9.74865417	0.87311569	0.938097
ENSMUSG00000000732	0.04879431	3.08511863	0.8805537	0.94111904
ENSMUSG00000028152	0.04844792	4.69882782	0.87850506	0.9403274
ENSMUSG00000062604	0.04810925	6.17384637	0.87616248	0.9389447
ENSMUSG00000030313	0.04808454	5.89028868	0.87616844	0.9389447
ENSMUSG00000020246	0.04797033	5.42657328	0.87812049	0.94010239
ENSMUSG00000041870	0.04796263	7.28705444	0.8767768	0.93950328
ENSMUSG00000021577	0.04785345	8.25620125	0.87607918	0.9389447
ENSMUSG00000034602	0.04765703	6.69432209	0.87721398	0.93967786
ENSMUSG00000035953	0.04757989	6.01851071	0.87887881	0.94035412
ENSMUSG00000029482	0.04749147	4.32339563	0.88741975	0.94491531

ENSMUSG00000024006	0.04724166	7.10479304	0.87786156	0.94010239
ENSMUSG00000037270	0.0468726	7.70083439	0.87804071	0.94010239
ENSMUSG00000039994	0.0468428	5.59121223	0.88317961	0.94260595
ENSMUSG00000017716	0.046557	7.23361939	0.87986539	0.94071645
ENSMUSG00000009073	0.0463592	6.46191642	0.88147469	0.94173931
ENSMUSG00000038379	0.04633991	6.03653248	0.88144775	0.94173931
ENSMUSG00000030934	0.04591809	7.43934555	0.88165802	0.94173931
ENSMUSG00000038776	0.04578475	4.06001515	0.88625454	0.94449738
ENSMUSG00000048490	0.04564034	4.36070278	0.88618197	0.94449738
ENSMUSG00000001525	0.04557489	10.1117803	0.88157719	0.94173931
ENSMUSG00000021036	0.04551119	6.32301077	0.88293281	0.94255931
ENSMUSG00000051978	0.04543447	2.28180558	0.91538505	0.95905158
ENSMUSG00000028214	0.04531642	4.6357762	0.8877319	0.94506634
ENSMUSG00000021140	0.04524338	4.80168121	0.88546989	0.94394101
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ENSMUSG00000029714	0.04503091	3.79538157	0.90082018	0.95327354
ENSMUSG00000022184	0.0449212	4.39550557	0.8889072	0.94564222
ENSMUSG00000009090	0.04486972	6.27034802	0.88648299	0.94460776
ENSMUSG00000015937	0.04434784	7.00916114	0.88622475	0.94449738
ENSMUSG00000016833	0.04416114	5.27509732	0.88861063	0.94553115
ENSMUSG00000015839	0.04414455	6.15859509	0.88688532	0.94467071
ENSMUSG00000034575	0.0440068	4.89599208	0.89166308	0.94764139
ENSMUSG00000035545	0.04398937	6.02721833	0.88886637	0.94564222
ENSMUSG00000038884	0.04333495	4.80054465	0.89387969	0.9489662
ENSMUSG00000028745	0.04318047	8.10115123	0.88832824	0.94549267
ENSMUSG00000030714	0.04300578	3.22763265	0.91816846	0.96045251
ENSMUSG00000025157	0.04295716	5.16808803	0.89346149	0.9486156
ENSMUSG00000027610	0.04290354	3.98421365	0.90734982	0.95532678
ENSMUSG00000024260	0.04279938	6.20107352	0.89085506	0.9471538
ENSMUSG00000057667	0.04257699	2.83910095	0.89451201	0.94928669
ENSMUSG00000032959	0.04256193	6.88137265	0.89125081	0.94738775
ENSMUSG00000040430	0.04235913	3.11215334	0.90215834	0.95343743
ENSMUSG00000030878	0.0423008	4.34465277	0.89755629	0.95131757
ENSMUSG00000024513	0.04223405	6.90615565	0.89112607	0.94734853
ENSMUSG00000054469	0.04214202	5.3172758	0.89210839	0.948019
ENSMUSG00000048458	0.04209044	3.33919376	0.90742428	0.95532678
ENSMUSG00000038042	0.04199846	2.49729239	0.91147745	0.95718891
ENSMUSG00000036503	0.04195411	5.71166359	0.89235336	0.9480489
ENSMUSG00000059540	0.04179199	2.48302767	0.92574833	0.96419555
ENSMUSG00000029463	0.04177945	4.07628961	0.90268175	0.95351088
ENSMUSG00000029922	0.04173564	5.68810871	0.89471068	0.94928768
ENSMUSG00000031388	0.04158723	4.34087791	0.90583967	0.95470826
ENSMUSG00000040613	0.04155146	5.81651997	0.89397673	0.94897579

ENSMUSG00000031634	0.0414092	5.81821536	0.89427168	0.94919545
ENSMUSG00000029402	0.04140208	2.40835728	0.93747799	0.96948242
ENSMUSG00000028191	0.04139792	6.06624488	0.89460273	0.94928669
ENSMUSG00000019132	0.04131818	8.90354588	0.89248244	0.9480489
ENSMUSG00000022940	0.04115949	3.19698091	0.90766674	0.95532678
ENSMUSG00000046711	0.04111035	3.6174119	0.91599796	0.9592787
ENSMUSG00000021592	0.0410491	3.7087425	0.90157519	0.95338983
ENSMUSG00000048707	0.04073253	3.21209244	0.91737141	0.95998645
ENSMUSG00000025173	0.04046048	5.48894018	0.8979191	0.95147485
ENSMUSG00000056144	0.04032293	6.40952497	0.89564119	0.950088
ENSMUSG00000049916	0.03985463	3.13773996	0.93239131	0.96691104
ENSMUSG00000002329	0.0394217	4.90188461	0.90180335	0.95343601
ENSMUSG00000029063	0.03933861	7.03969185	0.89902899	0.95255734
ENSMUSG00000047084	0.03929874	4.10340943	0.90449512	0.95422377
ENSMUSG00000024725	0.03925574	5.5884064	0.90106884	0.95327354
ENSMUSG00000020993	0.03913645	5.48748798	0.89913501	0.95257608
ENSMUSG00000026812	0.03911804	6.03092968	0.90034366	0.95327354
ENSMUSG00000022751	0.03885068	4.90964574	0.90417593	0.95407371
ENSMUSG00000021123	0.03871908	4.53446059	0.90407364	0.95407371
ENSMUSG00000022105	0.03871443	7.38296119	0.89932516	0.95268394
ENSMUSG00000029111	0.03860221	5.32377723	0.90497582	0.95445078
ENSMUSG00000024833	0.03859295	6.15392049	0.90258936	0.95351088
ENSMUSG00000047539	0.03853888	5.24169698	0.90197131	0.95343743
ENSMUSG00000022185	0.03838557	7.92632433	0.90076235	0.95327354
ENSMUSG00000032806	0.03837115	3.88940001	0.91279198	0.95782317
ENSMUSG00000036975	0.03831253	3.12829581	0.92246284	0.96281836
ENSMUSG00000022668	0.03809345	3.49165666	0.90889946	0.95597111
ENSMUSG00000022973	0.03808478	4.95062725	0.90252576	0.95351088
ENSMUSG00000030754	0.03805924	8.46950304	0.9010513	0.95327354
ENSMUSG00000030612	0.0380069	4.71548502	0.91041579	0.95691266
ENSMUSG00000024382	0.03785596	5.99846228	0.90387181	0.95403285
ENSMUSG00000074141	0.03778731	7.52300812	0.90301129	0.95351088
ENSMUSG00000008683	0.03778662	9.45802703	0.90178302	0.95343601
ENSMUSG00000035632	0.03749994	6.01473016	0.90531383	0.95452721
ENSMUSG00000015697	0.0373733	7.80249576	0.9031407	0.95354115
ENSMUSG00000024778	0.03732408	4.33394701	0.90551845	0.95464962
ENSMUSG00000025203	0.03731037	9.38821798	0.90292727	0.95351088
ENSMUSG00000062202	0.03720685	4.70963884	0.90822059	0.95553667
ENSMUSG00000032513	0.03720536	3.31692234	0.93145282	0.96640247
ENSMUSG00000028411	0.03713124	3.88698037	0.91265745	0.95782317
ENSMUSG00000045327	0.0369374	1.54753215	0.91917156	0.96086063
ENSMUSG00000036568	0.0368585	4.80017946	0.90671284	0.95506849
ENSMUSG00000030172	0.03679988	4.78849929	0.90855046	0.95570946

ENSMUSG00000011427	0.03667039	4.81645041	0.90784531	0.95536653
ENSMUSG00000051510	0.03658482	5.01074644	0.91121111	0.9570707
ENSMUSG00000020089	0.03626765	7.8448123	0.90610559	0.95482715
ENSMUSG00000048920	0.03622228	5.05528486	0.91087829	0.95705613
ENSMUSG00000030034	0.03617444	1.12255436	0.96448995	0.98355174
ENSMUSG00000029550	0.03607347	5.11822135	0.9092882	0.95610023
ENSMUSG00000000223	0.03569185	1.36355683	0.93923436	0.96999649
ENSMUSG00000022876	0.03551069	8.9477418	0.90763194	0.95532678
ENSMUSG00000031819	0.03490518	4.4348648	0.91823677	0.96045251
ENSMUSG00000031608	0.03488109	5.95578367	0.91108477	0.95705613
ENSMUSG00000021196	0.03485585	6.69428353	0.91127614	0.9570707
ENSMUSG00000043881	0.03481926	4.62837833	0.90953546	0.95626698
ENSMUSG00000020630	0.03469547	3.70272816	0.9273587	0.96419555
ENSMUSG00000090330	0.03462782	2.70084283	0.93543516	0.96876335
ENSMUSG00000066647	0.03458718	2.11059082	0.94327815	0.9716111
ENSMUSG00000067916	0.0344915	2.27789752	0.88174875	0.94174294
ENSMUSG00000006395	0.03445977	1.08181582	0.96379271	0.98339867
ENSMUSG00000028161	0.03441405	7.00656192	0.91105754	0.95705613
ENSMUSG00000038398	0.03416375	4.58932525	0.92087487	0.96190572
ENSMUSG00000022089	0.0340585	4.96318447	0.916771	0.95966399
ENSMUSG00000053293	0.03386486	6.25648662	0.91407028	0.95856344
ENSMUSG00000058407	0.03339798	6.71642938	0.91351926	0.95824136
ENSMUSG00000005575	0.03323672	6.37534928	0.91603947	0.9592787
ENSMUSG00000024896	0.03323398	6.05925353	0.91520524	0.95905158
ENSMUSG00000069755	0.03319948	1.46778069	0.91550606	0.95905158
ENSMUSG00000021236	0.03296762	6.0106187	0.91622502	0.9592787
ENSMUSG00000028646	0.03282895	6.84895695	0.91496214	0.95905158
ENSMUSG00000085208	0.03278845	6.95571451	0.91556343	0.95905158
ENSMUSG00000035678	0.03255503	1.69529373	0.95086185	0.97602268
ENSMUSG00000059743	0.03229272	6.55349905	0.91821059	0.96045251
ENSMUSG00000053329	0.03228061	3.15719068	0.94283804	0.97148532
ENSMUSG00000060181	0.03227536	4.73694978	0.91985809	0.96121605
ENSMUSG00000022545	0.03226495	4.43814739	0.92217884	0.96270828
ENSMUSG00000025241	0.03222288	4.65433686	0.92377221	0.9633208
ENSMUSG00000044715	0.03197393	4.26312163	0.92329756	0.96320556
ENSMUSG00000052837	0.0319493	0.80095734	1	1
ENSMUSG00000021143	0.03153828	4.73317969	0.92696122	0.96419555
ENSMUSG00000027544	0.0314956	3.62972582	0.93060384	0.96589334
ENSMUSG00000032637	0.03147632	7.60334139	0.91886942	0.96068998
ENSMUSG00000015247	0.03126368	5.40920243	0.92028376	0.96147452
ENSMUSG00000027109	0.0311524	8.01651027	0.91890923	0.96068998
ENSMUSG00000059482	0.0310346	3.77574363	0.92466486	0.96371516
ENSMUSG00000031392	0.03103126	7.06034992	0.92026938	0.96147452

ENSMUSG00000033272	0.03074012	6.6564859	0.92169532	0.96248135
ENSMUSG00000070501	0.03061425	4.95840236	0.91954966	0.96098687
ENSMUSG00000000439	0.03044638	4.18807264	0.92871679	0.96482277
ENSMUSG00000053286	0.03009908	6.02307616	0.92293104	0.96293424
ENSMUSG00000073415	0.03005963	0.68992971	1	1
ENSMUSG00000023170	0.02999082	4.38480903	0.93348552	0.96758054
ENSMUSG00000027775	0.02982971	6.99133182	0.92287076	0.96293424
ENSMUSG00000071076	0.02968132	4.97630467	0.92588285	0.96419555
ENSMUSG00000046020	0.02956688	6.36016687	0.92427803	0.96350066
ENSMUSG00000064141	0.02911807	1.44338909	0.97113194	0.98659321
ENSMUSG00000025645	0.02887075	2.61642881	0.959127	0.9804471
ENSMUSG00000024165	0.02879346	6.63964754	0.9262278	0.96419555
ENSMUSG00000034190	0.02871169	5.62814627	0.92758688	0.96424686
ENSMUSG00000071662	0.02859206	7.11150426	0.92634777	0.96419555
ENSMUSG00000026511	0.02842697	6.89913099	0.92666863	0.96419555
ENSMUSG00000067713	0.02832593	5.41989865	0.9300899	0.96573171
ENSMUSG00000021686	0.02823428	6.87650111	0.92713186	0.96419555
ENSMUSG00000041143	0.02772479	4.81522641	0.93478252	0.96845948
ENSMUSG00000054836	0.02761906	2.60150516	0.95867763	0.9803698
ENSMUSG00000020319	0.0275294	2.50079124	0.92690307	0.96419555
ENSMUSG00000024869	0.02744149	1.78631494	1	1
ENSMUSG00000037151	0.02702912	3.00708081	0.94735621	0.9743447
ENSMUSG00000046324	0.02671367	6.95899959	0.93084791	0.96596072
ENSMUSG00000075271	0.02657645	2.49044794	0.94091862	0.97071333
ENSMUSG00000000916	0.02650114	3.40811473	0.95164364	0.9765463
ENSMUSG00000027706	0.02647878	6.76236664	0.93174745	0.96661515
ENSMUSG00000047242	0.02638228	5.38814772	0.93220777	0.96681367
ENSMUSG00000031889	0.02631999	4.61762068	0.9365776	0.96929489
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ENSMUSG00000026779	0.02567458	5.35951855	0.93476516	0.96845948
ENSMUSG00000055128	0.02550724	3.02353773	0.94793861	0.97442905
ENSMUSG00000048327	0.02546223	7.18540913	0.93420527	0.96823351
ENSMUSG00000021476	0.02537703	3.24000843	0.95491958	0.97851091
ENSMUSG00000024037	0.02535796	4.34462696	0.94437166	0.97232232
ENSMUSG00000055067	0.0253005	3.16955841	0.94341059	0.9716111
ENSMUSG00000045193	0.02528748	3.35255441	0.94981858	0.97545584
ENSMUSG00000021007	0.0252669	2.48159406	0.92604043	0.96419555
ENSMUSG00000041375	0.02502507	4.04446499	0.94751046	0.9743447
ENSMUSG00000018412	0.02499492	6.55273408	0.93579118	0.96885292
ENSMUSG00000024683	0.02493503	5.41856088	0.93904729	0.96999649
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ENSMUSG00000014763	0.0249026	5.36616767	0.93801181	0.96969671
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ENSMUSG00000037313	0.02454646	7.62948534	0.93675717	0.96938771
ENSMUSG00000021182	0.02449656	5.01447872	0.9418696	0.97115644
ENSMUSG00000038900	0.02426714	9.36297574	0.93689564	0.96942294
ENSMUSG00000024735	0.02419533	7.87885459	0.93768468	0.96951022
ENSMUSG00000072568	0.0241791	3.39114464	0.94304848	0.97151651
ENSMUSG00000026200	0.02397478	3.01824536	0.93745909	0.96948242
ENSMUSG00000031077	0.02395807	3.70434621	0.94727474	0.9743447
ENSMUSG00000061032	0.02385472	7.27202049	0.93934758	0.97001459
ENSMUSG00000024667	0.02376339	3.03266305	0.948225	0.97442905
ENSMUSG00000007415	0.02373139	6.02614367	0.93895754	0.96999649
ENSMUSG00000037443	0.0237072	4.64926542	0.94782811	0.97442905
ENSMUSG00000030443	0.02350011	2.82325429	0.94072398	0.97069825
ENSMUSG00000045962	0.02336497	9.92443176	0.93904237	0.96999649
ENSMUSG00000022390	0.02304674	5.88909994	0.94236218	0.97127341
ENSMUSG00000006169	0.02301425	6.91241405	0.94086399	0.97071333
ENSMUSG00000016493	0.02296771	0.88714392	0.87991532	0.94071645
ENSMUSG00000039105	0.02250654	5.31660034	0.94412585	0.97225489
ENSMUSG00000021996	0.02248826	7.0701234	0.94188847	0.97115644
ENSMUSG00000062070	0.02210059	8.21534867	0.94282641	0.97148532
ENSMUSG00000025007	0.02207493	6.55597643	0.94435552	0.97232232
ENSMUSG00000016940	0.02198259	3.36490732	0.95858776	0.9803698
ENSMUSG00000020628	0.02180386	5.17269297	0.94732143	0.9743447
ENSMUSG00000024085	0.02126029	7.33627102	0.94479821	0.97257578
ENSMUSG00000028873	0.02124358	6.15371492	0.9474556	0.9743447
ENSMUSG00000021357	0.02079092	6.11428414	0.94643738	0.97389129
ENSMUSG00000032308	0.02075482	3.64718333	0.95196723	0.9767854
ENSMUSG00000001366	0.02069919	4.34881113	0.95307901	0.97746115
ENSMUSG00000037119	0.02057974	7.34862312	0.94656417	0.97392882
ENSMUSG00000038692	0.02054462	1.07987032	0.92730228	0.96419555
ENSMUSG00000021451	0.02049024	6.73495364	0.94795735	0.97442905
ENSMUSG00000014668	0.02031312	6.49226712	0.94817635	0.97442905
ENSMUSG00000020482	0.02019803	6.66289185	0.94808484	0.97442905
ENSMUSG00000026383	0.020172	2.80879286	0.96407385	0.98349229
ENSMUSG00000039660	0.02007241	3.95196261	0.9664836	0.98418044
ENSMUSG00000015290	0.01994843	5.05215782	0.95444661	0.97821253
ENSMUSG00000029125	0.01988739	4.66493293	0.95252781	0.9770817
ENSMUSG00000022022	0.01952552	3.15601063	0.95241299	0.97707147
ENSMUSG00000039206	0.01946305	3.28504004	0.96497735	0.98358372
ENSMUSG00000001089	0.01945151	5.12849824	0.95006088	0.97545584
ENSMUSG00000032437	0.01927851	9.17490647	0.94981725	0.97545584
ENSMUSG00000079547	0.01902175	5.94448794	0.95330876	0.97760381
ENSMUSG00000032556	0.01859511	2.5320863	0.98558599	0.99330123

ENSMUSG00000087260	0.01837175	5.74928577	0.95409713	0.97794729
ENSMUSG00000005505	0.01830546	5.24434534	0.95563709	0.97851091
ENSMUSG00000003033	0.01811402	6.31221311	0.95577449	0.97851091
ENSMUSG00000024754	0.01788727	3.78587599	0.95626727	0.97851091
ENSMUSG00000044477	0.01751012	4.17656788	0.96163189	0.98221617
ENSMUSG00000025421	0.01742965	4.7066206	0.96061477	0.98145234
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ENSMUSG00000025728	0.01671992	6.11842839	0.95900442	0.9804471
ENSMUSG00000026181	0.01656748	5.57535466	0.96113158	0.98179813
ENSMUSG00000079505	0.01645221	3.11251149	0.97061963	0.98616564
ENSMUSG00000030101	0.01627878	4.78847448	0.96244222	0.98267155
ENSMUSG00000035199	0.01627048	6.62525474	0.9587333	0.9803698
ENSMUSG00000031628	0.01622121	5.92604279	0.95917256	0.9804471
ENSMUSG00000036402	0.01566063	4.76549182	0.96275486	0.98285034
ENSMUSG00000023988	0.01562541	5.56107718	0.96434835	0.98350034
ENSMUSG00000090394	0.01554628	5.78566915	0.96036808	0.98129708
ENSMUSG00000028936	0.01542186	8.40184359	0.96013903	0.98116702
ENSMUSG00000032009	0.01469262	5.4187865	0.96279961	0.98285034
ENSMUSG00000025223	0.01437434	6.2593546	0.96487753	0.98358372
ENSMUSG00000039828	0.01433325	4.78619081	0.96639452	0.98418044
ENSMUSG00000095981	0.01431948	4.99811337	0.96313106	0.98300258
ENSMUSG00000041258	0.01429232	5.231019	0.96550588	0.98393644
ENSMUSG00000018442	0.01398782	6.09706262	0.96480255	0.98358372
ENSMUSG00000004264	0.01380577	7.24370548	0.96582547	0.98407614
ENSMUSG00000006050	0.01376919	5.72755887	0.96653288	0.98418044
ENSMUSG00000042997	0.01358974	4.34927278	0.97016489	0.98598229
ENSMUSG00000020593	0.01345302	3.21738424	0.97254807	0.98703918
ENSMUSG00000054434	0.01345	2.14788343	1	1
ENSMUSG00000031778	0.01335154	1.10575243	1	1
ENSMUSG00000018565	0.01313806	5.70163392	0.96907323	0.98598229
ENSMUSG00000033792	0.01275883	4.67143197	0.96745033	0.98470829
ENSMUSG00000070871	0.01264647	4.49730941	0.96485175	0.98358372
ENSMUSG00000025781	0.01261593	8.38007333	0.96732096	0.98470829
ENSMUSG00000020803	0.0122413	5.793177	0.96988398	0.98598229
ENSMUSG00000025193	0.01222372	3.95584315	0.97775112	0.98960526
ENSMUSG00000038708	0.01209868	6.6056514	0.96917169	0.98598229
ENSMUSG00000021891	0.01209529	5.69619833	0.96975167	0.98598229
ENSMUSG00000079260	0.01192253	5.03919792	0.97257774	0.98703918
ENSMUSG00000035173	0.01173164	5.18449598	0.96990015	0.98598229
ENSMUSG00000029034	0.01163274	5.98074646	0.97245557	0.98703918
ENSMUSG00000056962	0.01150039	5.60190107	0.97396816	0.98770667
ENSMUSG00000038612	0.0114677	9.20996861	0.9701227	0.98598229

ENSMUSG00000028455	0.01143962	5.97196775	0.97322386	0.98732324
ENSMUSG00000051037	0.01125769	2.84803125	0.9766037	0.98880645
ENSMUSG00000037519	0.01123035	6.14479183	0.9725717	0.98703918
ENSMUSG00000073139	0.01110943	5.41406025	0.97366327	0.98767611
ENSMUSG00000029472	0.01071031	8.64122244	0.97241795	0.98703918
ENSMUSG00000071454	0.01070127	3.60643411	0.98589606	0.99345011
ENSMUSG00000042851	0.01069695	3.2938848	0.97394152	0.98770667
ENSMUSG00000057130	0.01048677	4.60083117	0.98015647	0.99016463
ENSMUSG00000032565	0.01044921	3.40140771	0.98383797	0.99239628
ENSMUSG00000021361	0.01031321	5.83811621	0.97586239	0.98863713
ENSMUSG00000010205	0.01002299	6.63901084	0.97607031	0.98868741
ENSMUSG00000040350	0.00960831	3.67770772	0.97984535	0.99012858
ENSMUSG00000020493	0.00957951	7.00655317	0.97527823	0.98847748
ENSMUSG00000056201	0.00946181	10.2401339	0.97540336	0.9885114
ENSMUSG00000016319	0.0094607	9.00146269	0.97558361	0.98860116
ENSMUSG00000031549	0.00942462	3.04686846	0.98975104	0.99603165
ENSMUSG00000026466	0.0091027	7.9708898	0.97649255	0.98880645
ENSMUSG00000030922	0.00869831	2.18295459	0.98198826	0.99136505
ENSMUSG00000004268	0.00862259	7.0868754	0.97856885	0.98970772
ENSMUSG00000075040	0.00861306	3.73805753	0.99354596	0.99817399
ENSMUSG00000090626	0.00850497	4.28761342	0.98221437	0.99140769
ENSMUSG00000022680	0.00850289	6.58784335	0.97899826	0.98977352
ENSMUSG00000031105	0.00838384	3.01536991	0.97907632	0.98977352
ENSMUSG00000036817	0.00829306	4.86725317	0.9818555	0.99136505
ENSMUSG00000013663	0.00801478	8.2466611	0.97912684	0.98977352
ENSMUSG00000021339	0.00789296	4.83428372	0.98422187	0.99269067
ENSMUSG00000002617	0.00788198	3.58162532	0.97850335	0.98970772
ENSMUSG00000015942	0.00785958	2.0657578	1	1
ENSMUSG00000042787	0.00780148	4.32025383	0.98260436	0.99146897
ENSMUSG00000062421	0.00767148	4.67968795	0.98379629	0.99239628
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ENSMUSG00000032053	0.00726277	9.68184921	0.98113249	0.99087215
ENSMUSG00000029064	0.00702654	8.53736524	0.98197198	0.99136505
ENSMUSG00000037487	0.00669134	8.79147025	0.9826155	0.99146897
ENSMUSG00000027593	0.00640404	6.86500082	0.98508365	0.99318831
ENSMUSG00000006373	0.00624908	6.36989293	0.9844348	0.99281257
ENSMUSG00000028879	0.00611529	5.82646492	0.98558124	0.99330123
ENSMUSG00000037426	0.00609082	6.0593654	0.9856562	0.99330123
ENSMUSG00000019998	0.00600253	6.7002805	0.98497025	0.99316682
ENSMUSG00000033985	0.00599563	3.1537982	1	1
ENSMUSG00000028706	0.00567717	4.34278908	0.99143999	0.99717485
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ENSMUSG00000023723	0.00482792	5.60403374	0.99028648	0.99629158
ENSMUSG00000031109	0.0048216	4.36296581	0.9915551	0.99717485
ENSMUSG00000034274	0.0047875	5.95731864	0.98958688	0.9959594
ENSMUSG00000030102	0.00477035	7.85753073	0.98778789	0.99461294
ENSMUSG00000024758	0.00443258	7.91920754	0.98863103	0.99531957
ENSMUSG00000041625	0.00388329	2.6891585	1	1
ENSMUSG00000006276	0.00368711	5.64684696	0.99350214	0.99817399
ENSMUSG00000040048	0.0035637	5.55605928	0.99430605	0.99865851
ENSMUSG00000025195	0.00334716	2.11140463	1	1
ENSMUSG00000027845	0.00327335	5.54380008	0.99318917	0.9980015
ENSMUSG00000033047	0.0032341	8.18895968	0.99201836	0.99730325
ENSMUSG00000021643	0.00298279	1.26729541	1	1
ENSMUSG00000029387	0.00265503	5.54311588	0.99534146	0.99932617
ENSMUSG00000082163	0.00263868	1.9308522	0.97871139	0.98972464
ENSMUSG00000026078	0.00257707	5.50338179	0.99637592	0.99983459
ENSMUSG00000050148	0.00240472	4.92510918	0.9965335	0.99983459
ENSMUSG00000038346	0.00209017	6.13781377	0.99618026	0.99983459
ENSMUSG00000020134	0.00207642	6.72605607	0.99503772	0.99911423
ENSMUSG00000020390	0.00201178	6.70663669	0.99482531	0.99899396
ENSMUSG00000038685	0.0019716	6.447588	0.99677501	0.99983459
ENSMUSG00000001127	0.00192771	6.41844716	0.99672294	0.99983459
ENSMUSG00000039697	0.00173918	5.82489523	0.99598238	0.99983459
ENSMUSG00000028159	0.00147605	6.25515856	0.99687433	0.99984122
ENSMUSG00000023977	0.0014394	7.11061481	0.99676655	0.99983459
ENSMUSG00000028619	0.00135932	4.43528643	1	1
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ENSMUSG00000008682	0.00052261	9.26857977	0.99884573	1
ENSMUSG00000025544	0.00042837	8.32192144	0.9988844	1
ENSMUSG00000075254	0.00031436	7.40217433	0.99958927	1
ENSMUSG00000057982	0.00028319	5.19194923	1	1
ENSMUSG00000058594	0.00011755	5.85816335	1	1
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ENSMUSG00000037447	-0.0004921	5.18981498	0.99788301	1
ENSMUSG00000061477	-0.0005973	8.99190884	0.99854417	1
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ENSMUSG00000055069	-0.1223382	2.71909191	0.72549785	0.8529024
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ENSMUSG00000061436	-0.1225765	6.59340924	0.69121222	0.83335668
ENSMUSG00000048732	-0.1226054	4.2377298	0.7035328	0.84022461
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ENSMUSG00000021022	-0.1227683	5.71149577	0.6937448	0.83469195
ENSMUSG00000026701	-0.1228205	6.69161811	0.68962073	0.83262193
ENSMUSG00000038482	-0.1236466	7.988183	0.68623037	0.83046889
ENSMUSG00000031711	-0.1238183	5.9020744	0.6890174	0.83249245
ENSMUSG00000028788	-0.1238577	9.2223897	0.68559175	0.83022476
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ENSMUSG00000071253	-0.1239569	5.26061964	0.69304902	0.83422377
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ENSMUSG00000021366	-0.2112724	6.6355267	0.49255952	0.69280496
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ENSMUSG00000051397	-0.2114259	1.60009181	0.59991781	0.77340863
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ENSMUSG00000055491	-0.2117515	6.81459237	0.4902091	0.69114856
ENSMUSG00000025917	-0.2117548	7.3196848	0.49029002	0.69114856
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ENSMUSG00000096883	-0.2122478	2.04986204	0.53620379	0.72686346
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ENSMUSG00000097177	-0.2125708	1.66499281	0.59152964	0.76726673
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ENSMUSG00000026035	-0.2379229	5.48504096	0.44422298	0.65452938
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ENSMUSG00000028901	-0.2381828	5.23933729	0.44360241	0.65401042
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ENSMUSG00000029217	-0.2923566	6.04990222	0.34423913	0.56814734
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ENSMUSG00000050271	-0.2926359	5.45756257	0.34304301	0.5666068
ENSMUSG00000036461	-0.2928253	8.41275828	0.33915127	0.56315466
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ENSMUSG00000050592	-0.2935529	3.65535214	0.35460905	0.57731039
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ENSMUSG00000020577	-0.3226912	5.48915148	0.29786381	0.5201884
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ENSMUSG00000033845	-0.3232639	6.64567116	0.29362173	0.51578705
ENSMUSG00000021244	-0.3232732	7.39772586	0.29222679	0.5142191
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ENSMUSG00000038437	-0.3240374	6.26328348	0.29306	0.51505199
ENSMUSG00000049904	-0.3241141	1.44982296	0.40791677	0.62398323
ENSMUSG00000027739	-0.3242165	4.207179	0.30745287	0.53136408
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ENSMUSG00000032640	-0.3542571	5.73305186	0.25214348	0.47037834
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ENSMUSG00000021500	-0.4165773	8.34430555	0.17413761	0.37655906
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ENSMUSG000000033554	-0.5762386	5.49385464	0.06340095	0.19910187
ENSMUSG000000025019	-0.5763296	4.10861051	0.07045145	0.21152659
ENSMUSG000000027342	-0.5764346	8.43110333	0.06040922	0.19233925
ENSMUSG000000034111	-0.5765336	8.91959547	0.06022242	0.19191446
ENSMUSG000000020376	-0.5766729	5.46621126	0.06368926	0.19977457

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ENSMUSG00000030188	-0.5782273	4.35590783	0.06712216	0.20574461
ENSMUSG00000054435	-0.5782637	9.9785788	0.05929419	0.19002333
ENSMUSG00000020925	-0.5783585	6.13295869	0.06128619	0.19444256
ENSMUSG00000055660	-0.57847	5.5119546	0.06295813	0.1983466
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ENSMUSG00000014232	-0.5788244	4.33077454	0.06665099	0.20507955
ENSMUSG00000085492	-0.5788298	3.25225223	0.07610283	0.22306197
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ENSMUSG00000046909	-0.629199	3.46778591	0.05150123	0.17329769
ENSMUSG00000085172	-0.6294135	0.70095357	0.13615279	0.32208715
ENSMUSG00000079104	-0.6295882	6.66559713	0.04127881	0.14917918
ENSMUSG00000022704	-0.6295928	6.10834429	0.04174676	0.1502159
ENSMUSG00000021668	-0.6296691	5.70781347	0.04248815	0.1520213
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ENSMUSG00000021418	-0.6948586	4.39713641	0.02837211	0.11349933
ENSMUSG00000026094	-0.6949368	8.00464636	0.02388694	0.10030766
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ENSMUSG00000056260	-0.696473	5.62550117	0.02509942	0.10398467
ENSMUSG00000030031	-0.6967257	5.32889325	0.02544533	0.10490514
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ENSMUSG00000027091	-0.6985558	7.84474291	0.02320892	0.09822804
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ENSMUSG00000039221	-0.6992316	6.54162734	0.02362889	0.09953671
ENSMUSG00000029836	-0.6995397	8.31594938	0.02288447	0.0972748
ENSMUSG00000044763	-0.6995991	6.09683487	0.02393283	0.10030766
ENSMUSG00000044934	-0.6997939	5.7901043	0.02405519	0.10059704
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ENSMUSG00000022120	-1.3361995	5.52875078	2.15E-05	0.00025346
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ENSMUSG00000048621	-1.3555749	1.85316851	0.00014921	0.00141022
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ENSMUSG00000089726	-1.3833833	6.09671317	1.02E-05	0.00012956
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ENSMUSG00000071064	-1.4472564	3.64606959	9.48E-06	0.00012068
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ENSMUSG00000037999	-1.5366357	7.59291607	9.38E-07	1.48E-05
ENSMUSG00000044867	-1.5425329	4.85140213	1.40E-06	2.12E-05
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ENSMUSG00000028179	-1.5703142	3.74850216	1.56E-06	2.34E-05
ENSMUSG00000089929	-1.5765175	4.74083253	8.84E-07	1.42E-05
ENSMUSG00000063659	-1.6088322	7.03938335	3.08E-07	5.41E-06
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ENSMUSG00000038418	-1.677747	3.79134804	2.95E-07	5.20E-06
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ENSMUSG00000050549	-1.8244723	3.76807524	3.02E-08	6.58E-07
ENSMUSG00000028701	-1.8281869	3.05807615	6.53E-08	1.32E-06
ENSMUSG00000097418	-1.8407989	5.43614321	8.55E-09	2.11E-07
ENSMUSG00000040270	-1.9559858	7.00112812	7.43E-10	2.29E-08
ENSMUSG00000053846	-1.9787055	2.52766398	1.31E-08	3.08E-07
ENSMUSG00000055320	-2.0030424	1.50461313	2.11E-07	3.82E-06
ENSMUSG00000099757	-2.0049453	4.3715521	9.83E-10	2.94E-08
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ENSMUSG00000026357	-2.0480556	2.237342	2.24E-08	4.99E-07
ENSMUSG00000097451	-2.0674636	1.42315823	1.99E-07	3.63E-06
ENSMUSG00000031779	-2.2646877	7.68511026	1.62E-12	9.03E-11
ENSMUSG00000019891	-2.3618253	3.40527582	4.01E-12	2.07E-10
ENSMUSG00000004698	-2.3777463	5.81486954	2.73E-13	1.81E-11
ENSMUSG00000040856	-2.3886858	1.62488249	2.69E-10	9.33E-09
ENSMUSG00000026616	-2.5699951	5.78425645	4.86E-15	4.74E-13
ENSMUSG00000094924	-2.683529	1.72651763	1.51E-11	7.07E-10
ENSMUSG00000044337	-3.3173822	2.87865832	1.22E-18	2.27E-16
ENSMUSG00000000617	-3.3965154	3.69482858	2.73E-21	8.92E-19

Activated B cells

TMM normalized RNA-seq counts for selected genes

ID	KO1	KO2	KO3	WT1	WT2	WT3	mgc_symbol	FDR
ENSMUSG00000020592	6.99867486	10.3522085	15.67906325	4.643876153	3.897033692	2.659788762	Sdc1	5.42E-05
ENSMUSG00000022346	59.6637032	62.41952937	85.99987553	126.9326148	125.5092279	130.2346569	Myc	0.027259834
ENSMUSG00000023067	85.0338996	89.12700219	98.68838175	44.25340805	35.50630697	25.83794798	Cdkn1a	0.000159158
ENSMUSG00000029687	417.995856	387.0745889	306.8311505	556.9919692	695.4040121	746.6407025	Ezh2	0.034311075
ENSMUSG00000038151	185.639851	211.3933227	175.1184748	38.97213713	89.26062884	49.87103929	Prdm1	1.80E-06
ENSMUSG00000040270	58.5264185	44.83915162	54.08635987	198.411885	225.4093773	186.945153	Bach2	2.29E-08
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	EntrezID	Symbol
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5	11773	Ap2m1
6	11843	Arf4
7	11852	Rhob
8	11975	Atp6v0a1
9	12041	Bckdk
10	12068	Bet1
11	12091	Glb1
12	12142	Prdm1
13	12282	Hyou1
14	12317	Calr
15	12321	Calu
16	12337	Capn5
17	12487	Cd28
18	12495	Entpd1
19	12892	Cpox
20	13034	Ctse
21	13200	Ddost
22	13478	Dpagt1
23	14127	Fcer1g
24	14227	Fkbp2
25	14281	Fos
26	14343	Fut1
27	14583	Gfpt1
28	14828	Hspa5
29	14950	H13
30	14958	H1f0
31	14977	Slc39a7
32	15483	Hsd11b1
33	16364	Irf4
34	16430	Stt3a
35	16534	Kcnn4
36	17025	Alad
37	17064	Cd93
38	17067	Ly6c1
39	17075	Epcam
40	17254	Slc3a2
41	17341	Bhlha15
42	17684	Cited2

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43	17748	Mt1
44	17750	Mt2
45	17768	Mthfd2
46	17872	Ppp1r15a
47	18220	Nucb1
48	18453	P4hb
49	18605	Enpp1
50	18669	Abcb1b
51	19011	Endou
52	19074	Prg2
53	19324	Rab1
54	19699	Reln
55	19870	Snord73a
56	20014	Rpn2
57	20104	Rps6
58	20333	Sec22b
59	20338	Sel1l
60	20363	Sepp1
61	20440	St6gal1
62	20498	Slc12a4
63	20539	Slc7a5
64	20568	Slpi
65	20733	Spint2
66	20818	Srprb
67	20832	Ssr4
68	20932	Surf4
69	20969	Sdc1
70	21935	Tnfrsf17
71	21969	Top1
72	22021	Tpst1
73	22027	Hsp90b1
74	22187	Ubb
75	22190	Ubc
76	22381	Wbp5
77	22433	Xbp1
78	24067	Srp54a
79	26363	Btd
80	27053	Asns
81	27267	Cars
82	27362	Dnajb9
83	28075	Desi1
84	28106	D17Wsu104e

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85	50708	Hist1h1c
86	50798	Gne
87	52639	Wipi1
88	53381	Prdx4
89	53415	Htatip2
90	53421	Sec61a1
91	53618	Fut8
92	54405	Ndufa1
93	54637	Praf2
94	55978	Ift20
95	56041	Uso1
96	56228	Ube2j1
97	56298	Atl2
98	56334	Tmed2
99	56397	Morf4l2
100	56454	Aldh18a1
101	56463	Snd1
102	56530	Cnpy2
103	56737	Alg2
104	56752	Aldh9a1
105	56844	Tssc4
106	57444	Isg20
107	58203	Zbp1
108	58226	Cacna1h
109	59042	Cope
110	59052	Mettl9
111	60599	Trp53inp1
112	64136	Sdf2l1
113	64209	Herpud1
114	64294	Itn2c
115	64453	Zfp280b
116	65963	Tmem176b
117	66058	Tmem176a
118	66059	Krtcap2
119	66111	Tmed3
120	66120	Fkbp11
121	66155	Ufc1
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123	66214	Rgcc
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125	66256	Ssr2
126	66286	Sec11c

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129	66624	Spcs2
130	66663	Uba5
131	66753	Erlec1
132	66913	Kdelr2
133	66967	Edem3
134	67041	Oxct1
135	67075	Magt1
136	67154	Mtdh
137	67180	Yipf5
138	67369	Qpct1
139	67398	Srpr
140	67422	Dhdds
141	67437	Ssr3
142	67458	Ergic1
143	67510	Tvp23b
144	67511	Tmed9
145	67812	Ubxn4
146	67819	Derl1
147	67838	Dnajib11
148	67840	Mrp63
149	67846	Tmem39a
150	67887	Tmem66
151	67941	Rps27l
152	67976	Trabd
153	68038	Chid1
154	68137	Kdelr1
155	68192	Leprotl1
156	68323	Nudt22
157	68520	Zfyve21
158	68526	Gpr155
159	68796	Tmem214
160	69019	Spcs1
161	69038	Tmem258
162	69288	Rhobtb1
163	69550	Bst2
164	69608	Sec24d
165	69806	Slc39a11
166	69816	Mzb1
167	70223	Nars
168	70361	Lman1

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169	70377	Derl3
170	71667	Tmem248
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172	71910	Ppapdc1b
173	72007	Fndc3b
174	72027	Slc39a4
175	72278	Ccpg1
176	72774	Neil1
177	73137	Prrc1
178	73242	Atat1
179	73690	Glipr1
180	74048	4632428N05Rik
181	74211	1700017B05Rik
182	74241	Chpf
183	74325	Cltb
184	74551	Pck2
185	74558	Gvin1
186	74645	Fam46c
187	74766	Yipf2
188	74840	Manf
189	75345	Slamf7
190	76299	Erp44
191	76485	Glt8d1
192	76486	Ly6k
193	76687	Spcs3
194	76737	Creld2
195	76969	Chst1
196	77371	Sec24a
197	77929	Yipf6
198	78943	Ern1
199	80795	Selk
200	81500	Sil1
201	94181	Nans
202	94275	Maged1
203	98238	Lrrc59
204	100434	Slc44a1
205	103963	Rpn1
206	104368	Snora70
207	104370	Snora68
208	104433	Snora62
209	104444	Rexo2
210	104479	Ccdc117

	EntrezID	Symbol
211	105245	Txndc5
212	105670	Rcbtb2
213	106200	Txndc11
214	106389	Eaf2
215	107271	Yars
216	107503	Atf5
217	107513	Ssr1
218	108148	Galnt2
219	108687	Edem2
220	109815	Vimp
221	110172	Slc35b1
222	110611	Hdlbp
223	110920	Hspa13
224	110954	Rpl10
225	111241	Hmga1-rs1
226	114679	Selm
227	140740	Sec63
228	170829	Tram2
229	170834	Oosp1
230	170930	Sumo2
231	192193	Edem1
232	192657	Ell2
233	193813	Mcf2
234	208647	Creb3l2
235	209027	Pycr1
236	211770	Trib1
237	213233	Tapbpl
238	214048	Larp1b
239	214572	Prmt7
240	216197	Ckap4
241	216440	Os9
242	216443	Mars
243	217310	Hid1
244	217430	Pq1c3
245	217664	Mgat2
246	218335	Clptm1l
247	218442	Serinc5
248	223453	Dap
249	223693	Tmem184b
250	223864	Rapgef3
251	226499	BC003331
252	226744	Cnst

	EntrezID	Symbol
253	227326	Gpr55
254	227619	Man1b1
255	231207	Cpeb2
256	233744	Spon1
257	235431	Coro2b
258	235493	Fam214a
259	238393	Serpina3f
260	242362	Manea
261	266793	Snord87
262	268449	Rpl23a
263	269523	Vcp
264	269823	Pon3
265	269951	Idh2
266	319448	Fndc3a
267	319939	Tns3
268	320299	Iqcb1
269	320560	Dennd5b
270	321022	Cdv3
271	330260	Pon2
272	381308	Mnda
273	433375	Creg1
274	546643	I830127L07Rik
275	100037258	Dnajc3
276	100041546	Ly6c2
277	100042740	Rpl31-ps9
278	100043314	Tigit
279	100043636	AI662270
280	100043872	Rpl17-ps9
281	100101806	Srp54c
282	100216532	Snord2
283	100216534	Snord96a
284	100216540	Snord95
285	100217424	Snord38a
286	100217426	Snord49b
287	100217430	Snord66
288	100217441	Snord23
289	100217452	Snord110
290	100217453	Snord16a
291	100217454	Snord37
292	100217464	Snora41
293	100302498	Snora21
294	100302499	Snora3

	EntrezID	Symbol
295	100302565	Snord68
296	100302593	Snord14d
297	100302594	Snord14e
298	100302601	Snord83b
299	100303740	Snora75
300	100303746	Snora20
301	100504166	4933421O10Rik

HALLMARK_MYC_TARGETS_V1

	A subgroup of genes regulated by MYC - version 1 (v1).
1	ABCE1
2	ACP1
3	AIMP2
4	AP3S1
5	APEX1
6	BUB3
7	C1QBP
8	CAD
9	CANX
10	CBX3
11	CCNA2
12	CCT2
13	CCT3
14	CCT4
15	CCT5
16	CCT7
17	CDC20
18	CDC45
19	CDK2
20	CDK4
21	CLNS1A
22	CNBP
23	COPS5
24	COX5A
25	CSTF2
26	CTPS
27	CUL1
28	CYC1
29	DDX18
30	DDX21
31	DEK
32	DHX15
33	DUT
34	EEF1B2
35	EIF1AX
36	EIF2S1
37	EIF2S2
38	EIF3B
39	EIF3D
40	EIF3J
41	EIF4A1

	A subgroup of genes regulated by MYC - version 1 (v1).
42	EIF4E
43	EIF4G2
44	EIF4H
45	EPRS
46	ERH
47	ETF1
48	EXOSC7
49	FAM120A
50	FBL
51	G3BP1
52	GLO1
53	GNB2L1
54	GNL3
55	GOT2
56	GSPT1
57	H2AFZ
58	HDAC2
59	HDDC2
60	HDGF
61	HNRNPA1
62	HNRNPA2B1
63	HNRNPA3
64	HNRNPC
65	HNRNPD
66	HNRNPR
67	HNRNPU
68	HPRT1
69	HSP90AB1
70	HSPD1
71	HSPE1
72	IARS
73	IFRD1
74	ILF2
75	IMPDH2
76	KARS
77	KPNA2
78	KPNB1
79	LDHA
80	LSM2
81	LSM7
82	MAD2L1
83	MCM2

	A subgroup of genes regulated by MYC - version 1 (v1).
84	MCM4
85	MCM5
86	MCM6
87	MCM7
88	MRPL23
89	MRPL9
90	MRPS18B
91	MYC
92	NAP1L1
93	NCBP1
94	NCBP2
95	NDUFAB1
96	NHP2
97	NME1
98	NOLC1
99	NOP16
100	NOP56
101	NPM1
102	ODC1
103	ORC2
104	PA2G4
105	PABPC1
106	PABPC4
107	PCBP1
108	PCNA
109	PGK1
110	PHB
111	PHB2
112	POLD2
113	POLE3
114	PPIA
115	PPM1G
116	PRDX3
117	PRDX4
118	PRPF31
119	PRPS2
120	PSMA1
121	PSMA2
122	PSMA4
123	PSMA6
124	PSMA7
125	PSMB2

	A subgroup of genes regulated by MYC - version 1 (v1).
126	PSMB3
127	PSMC4
128	PSMC6
129	PSMD1
130	PSMD14
131	PSMD3
132	PSMD7
133	PSMD8
134	PTGES3
135	PWP1
136	RAD23B
137	RAN
138	RANBP1
139	RFC4
140	RNPS1
141	RPL14
142	RPL18
143	RPL22
144	RPL34
145	RPL6
146	RPLP0
147	RPS10
148	RPS2
149	RPS3
150	RPS5
151	RPS6
152	RRM1
153	RRP9
154	RSL1D1
155	RUVBL2
156	SERBP1
157	SET
158	SF3A1
159	SF3B3
160	SLC25A3
161	SMARCC1
162	SNRPA
163	SNRPA1
164	SNRPB2
165	SNRPD1
166	SNRPD2
167	SNRPD3

	A subgroup of genes regulated by MYC - version 1 (v1).
168	SNRPG
169	SRM
170	SRPK1
171	SRSF1
172	SRSF2
173	SRSF3
174	SRSF7
175	SSB
176	SSBP1
177	STARD7
178	SYNCRIP
179	TARDBP
180	TCP1
181	TFDP1
182	TOMM70A
183	TRA2B
184	TRIM28
185	TUFM
186	TXNL4A
187	TYMS
188	U2AF1
189	UBA2
190	UBE2E1
191	UBE2L3
192	USP1
193	VBP1
194	VDAC1
195	VDAC3
196	XPO1
197	XPOT
198	XRCC6
199	YWHAE
200	YWHAQ