RKO VERSUS REST OF THE CELL LINES

Proteins	ENSG	HGNC	ProteinGrou	Cluster	count1	count2	rates1	rates2	X2log.rate1	quasi.p	quasi.fdr	cv1	cv2	TotalCounts	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p	X.p
ENSP00000295809_rs8	ENSG00000163565	IFI16	835	1	6	77	9.18E-06	0.0009563	-6.703262	1.35E-13	4.39E-10	2.8823068	0.3359095	83	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0	1	0	0	0	0	0	1	0	0	0	35	18	24
ENSP00000307706	ENSG00000169715	MT1P3,MT1	675	157	2	12	3.06E-06	0.000149	-5.606401	4.71E-07	0.0001914	3.6028835	0.6614378	14	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	7
ENSP00000256593_T4I,	ENSG00000134201	GSTM5	5449	25	2	10	3.06E-06	0.0001242	-5.343366	2.30E-06	0.0004996	3.6028835	0.3464102	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	4	4	2
ENSP00000271469,ENS	ENSG00000117143	UAP1	673	1	24	82	3.67E-05	0.0010184	-4.794028	1.19E-17	7.77E-14	0.9007209	0.3807926	106	2	2	0	1	1	1	0	0	1	0	2	2	1	2	0	2	0	1	1	0	1	0	1	2	1	0	0	39	19	24
ENSP00000369853,ENS	ENSG00000157617	C2CD2	627	1	5	17	7.65E-06	0.0002111	-4.786973	6.33E-07	0.000217	2.6100398	0.5391266	22	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	9	3	5
ENSP00000237858,ENS	ENSG00000173221	GLRX	687	119	5	17	7.65E-06	0.0002111	-4.786973	6.88E-07	0.0002241	2.6100398	0.6681069	22	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	1	10	3	4
ENSP00000367604,ENS	ENSG00000124532	MRS2	3676	1	7	20	1.07E-05	0.0002484	-4.536011	1.07E-06	0.000318	2.5298842	0.3464102	27	1	0	1	0	0	0	0	0	0	0	0	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	8	4	8
ENSP00000347741	ENSG00000196954	CASP4	789	190	8	22	1.22E-05	0.0002732	-4.48087	6.17E-08	3.66E-05	2.0539596	0.1574592	30	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	6	8	8
ENSP00000253063	ENSG00000130766	SESN2	2122	509	7	19	1.07E-05	0.000236	-4.462011	1.67E-06	0.0004026	2.5298842	0.638124	26	0	0	0	0	1	1	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	11	4	4
rev_ENSP00000349125	rev	rev	5062	1094	3	8	4.59E-06	9.94E-05	-4.436476	1.74E-05	0.0023582	2.8823068	0.7806247	11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	2	5	1
rev_ENSP00000340658	rev	rev	509	118	3	8	4.59E-06	9.94E-05	-4.436476	0.0001523	0.0097271	2.8823068	0.2165064	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	3
ENSP00000245185,ENS	ENSG00000213761	MT1P1	3719	157	8	20	1.22E-05	0.0002484	-4.343366	3.01E-06	0.0006332	2.2572	0.6763875	28	0	0	0	0	0	1	0	1	0	0	1	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	11	7
ENSP00000220751,ENS	ENSG00000104312	RIPK2	1008	239	4	10	6.12E-06	0.0001242	-4.343366	6.56E-05	0.0058877	3.078305	0.1732051	14	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4	3	3
ENSP00000361731,ENS	ENSG00000107021	TBC1D13	2725	634	8	17	1.22E-05	0.0002111	-4.108901	1.33E-06	0.0003645	2.2572	0.1018853	25	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3	0	0	0	0	5	6	6
ENSP00000330587_G11	ENSG00000205358	MT1H	4699	157	4	8	6.12E-06	9.94E-05	-4.021438	0.0037006	0.0790855	3.6028835	1.4197271	12	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7
ENSP00000200457,ENS	ENSG00000087077	TRIP6	626	149	8	15	1.22E-05	0.0001863	-3.928329	5.00E-07	0.0001914	1.8282637	0.7211103	23	2	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	9	2	4
ENSP00000318690_rs6	ENSG00000005436	C2orf3	1499	350	9	16	1.38E-05	0.0001987	-3.851513	4.47E-07	0.0001914	1.6641006	0.286411	25	0	1	0	1	0	0	0	1	0	1	1	0	0	0	1	0	0	0	2	0	0	0	0	0	0	1	0	5	7	4
ENSP00000221930,ENS	ENSG00000105329	TGFB1	3459	1	4	7	6.12E-06	8.69E-05	-3.828793	9.69E-05	0.0075711	2.4435945	0.4948717	11	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	3	3
ENSP00000290704	ENSG00000187193	MT1X	846	157	4	7	6.12E-06	8.69E-05	-3.828793	0.0009641	0.0354326	3.078305	0.2474358	11	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3
ENSP00000360266	ENSG00000177606	JUN	1737	411	7	12	1.07E-05	0.000149	-3.799046	0.0002359	0.0132469	2.2925721	0.5	19	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	2	2	0	6	4	2
ENSP00000357698,ENS	ENSG00000196754	S100A2	2815	652	6	10	9.18E-06	0.0001242	-3.758404	0.0012691	0.0425681	2.5980762	0.3464102	16	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	4	4	2
ENSP00000264638,ENS	ENSG00000108797	CNTNAP1	4604	1000	4	6	6.12E-06	7.45E-05	-3.606401	0.0003135	0.0164674	2.4435945	0.5	10	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2
ENSP00000364178_rs1	ENSG00000155657	TTN	530	1	9	13	1.38E-05	0.0001615	-3.551953	4.04E-05	0.0041378	2.2013982	0.3525058	22	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	2	1	0	0	0	1	6	4	3
ENSP00000296913_rs9	ENSG00000164430	C6orf150	579	1	14	20	2.14E-05	0.0002484	-3.536011	7.52E-05	0.0063568	2.0276735	0.3464102	34	3	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	4	8	8
ENSP00000386552,ENS	ENSG00000005436	C2orf3	1498	350	8	11	1.22E-05	0.0001366	-3.48087	6.66E-06	0.0012052	1.5704605	0.1574592	19	0	1	0	1	0	0	0	1	0	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	4	4	3
ENSP00000361558,ENS	ENSG00000148335	METTL11A	4641	1006	6	8	9.18E-06	9.94E-05	-3.436476	0.0008858	0.0345469	2.2786636	0.9437293	14	0	0	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	5	0	3
ENSP00000330032,ENS	ENSG00000183696	UPP1	689	1	53	68	8.11E-05	0.0008446	-3.380981	5.97E-09	4.86E-06	1.1168424	0.4352544	121	2	1	1	2	1	2	0	1	0	4	8	5	3	0	2	0	1	0	6	0	4	0	0	1	5	0	4	34	16	18
ENSP00000328635,ENS	ENSG00000183963	SMTN	5696	1	9	11	1.38E-05	0.0001366	-3.310945	2.27E-05	0.0027337	1.6641006	0.3149183	20	0	1	0	1	0	0	1	0	1	0	1	0	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0	3	3	5
ENSP00000351834,ENS	ENSG00000008311	AASS	4924	1	13	15	1.99E-05	0.0001863	-3.227889	0.0003675	0.0184545	1.9423882	0.2	28	0	0	0	0	0	0	1	0	1	0	0	0	2	1	2	0	0	0	1	0	4	0	0	0	0	0	1	4	5	6
ENSP00000343764_rs1	ENSG00000155657	TTN	5217	1	10	10	1.53E-05	0.0001242	-3.021438	0.0004893	0.0224818	2.0021143	0.6244998	20	0	0	1	0	0	0	0	0	0	0	0	0	1	3	0	0	1	0	0	0	0	2	1	0	0	0	1	5	4	1
ENSP00000385688	ENSG00000213761	MT1P1	5226	157	7	7	1.07E-05	8.69E-05	-3.021438	0.0016398	0.0490647	2.2925721	0.2474358	14	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0	0	1	0	0	2	0	0	0	0	0	2	2	3
ENSP00000321583,ENS	ENSG00000166938	DIS3L	2713	632	7	7	1.07E-05	8.69E-05	-3.021438	0.0024508	0.0606008	2.2925721	0.2474358	14	0	0	1	0	1	2	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2
ENSP00000297857,ENS	ENSG00000165156	ZHX1	4757	1	5	5	7.65E-06	6.21E-05	-3.021438	0.0093839	0.1267995	2.6100398	0.9165151	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	2	3	0
rev_ENSP00000317123	rev	rev	6366	1	5	5	7.65E-06	6.21E-05	-3.021438	0.0156687	0.1686647	2.6100398	1.2489996	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	0	0	1	0	4
ENSP00000262146,ENS	ENSG00000066855	MTFR1	5864	1	6	6	9.18E-06	7.45E-05	-3.021438	0.0044048	0.0873336	2.2786636	0	12	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	1	0	0	2	2	2
ENSP00000330361,ENS	ENSG00000182307	C8orf33	794	192	6	6	9.18E-06	7.45E-05	-3.021438	0.0002236	0.0128853	1.9064667	0.5	12	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0	0	1	3	2
ENSP00000361393	ENSG00000126878	AIF1L	1021	1	12	12	1.84E-05	0.000149	-3.021438	4.93E-05	0.0046527	1.4411534	0.5	24	0	1	0	0	0	1	1	0	0	0	0	0	1	2	1	0	0	0	1	2	0	0	0	0	1	1	0	4	2	6
ENSP00000339151	ENSG00000104365	IKBKB	3990	1	8	8	1.22E-05	9.94E-05	-3.021438	0.0003352	0.0174668	1.8282637	0.2165064	16	1	0	0	2	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	2	3	3
ENSP00000315757,ENS	ENSG00000136167	LCP1	5126	1	236	231	0.000361	0.002869	-2.990544	4.46E-07	0.0001914	1.1261471	0.3159877	467	33	40	33	7	7	7	6	6	7	5	10	6	8	5	4	6	4	3	4	3	4	7	9	4	3	3	2	##	65	61
ENSP00000228327,ENS	ENSG00000067798	NAV3	867	1	19	18	2.91E-05	0.0002236	-2.943436	6.59E-05	0.0058877	1.6161607	0	37	0	3	0	1	0	0	0	0	0	0	4	1	0	2	0	0	0	0	2	0	1	1	0	0	3	0	1	6	6	6
ENSP00000269260,ENS	ENSG00000141480	ARRB2	624	1	11	10	1.68E-05	0.0001242	-2.883935	3.63E-05	0.0038552	1.404968	0.4582576	21	1	0	0	1	0	1	1	1	0	1	2	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	5	2	3
ENSP00000257552	ENSG00000135097	MSI1	4925	1	9	8	1.38E-05	9.94E-05	-2.851513	0.0026658	0.0633673	2.0380987	0.572822	17	0	0	0	1	0	0	0	0	0	1	0	0	3	0	1	0	0	0	1	0	0	0	0	1	0	0	1	4	1	3
ENSP00000312675,ENS	ENSG00000177238	TRIM72	697	1	25	22	3.82E-05	0.0002732	-2.837014	0.0225199	0.1984741	2.8719117	0.2838635	47	0	0	1	0	0	0	0	0	0	6	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	8	5
ENSP00000262435,ENS	ENSG00000108854	SMURF2	4875	1	8	7	1.22E-05	8.69E-05	-2.828793	0.0129853	0.1523843	2.4435945	0.6546537	15	0	0	0	0	0	0	0	0	0	2	0	3	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	2	4
ENSP00000386935,ENS	ENSG00000197355	UAP1L1	674	1	15	13	2.29E-05	0.0001615	-2.814987	0.0024474	0.0606008	2.0176147	0.4803845	28	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	4	0	1	0	5	2	6
ENSP00000283122,ENS	ENSG00000153140	CETN3	6189	1	7	6	1.07E-05	7.45E-05	-2.799046	0.0009832	0.0356603	1.7225078	0.8660254	13	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	0	1	1	0	0	1	0	0	0	0	0	4	1	1
ENSP00000246337,ENS	ENSG00000126088	UROD	5471	1182	19	16	2.91E-05	0.0001987	-2.773511	1.34E-06	0.0003645	1.1017875	0.286411	35	0	0	0	1	2	1	1	0	0	2	2	0	2	1	2	1	0	0	1	0	0	0	1	1	1	0	0	7	5	4
ENSP00000353877,ENS	ENSG00000178814	OPLAH	1437	1	61	51	9.33E-05	0.0006334	-2.763126	4.20E-05	0.0041378	1.4082442	0.2120913	112	0	0	1	4	2	6	0	0	0	5	6	7	1	0	1	1	1	0	0	0	1	7	12	6	0	0	0	20	13	18
rev_ENSP00000338934	rev	rev	5249	1137	6	5	9.18E-06	6.21E-05	-2.758404	0.0036639	0.0790115	1.9064667	0.3464102	11	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2	2
ENSP00000261211	ENSG00000059758	PCTK2	570	134	6	5	9.18E-06	6.21E-05	-2.758404	0.0062573	0.1031748	2.2786636	0.3464102	11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	2	0	0	2	2	1
ENSP00000366525	ENSG00000087086	FTL	3400	1	27	22	4.13E-05	0.0002732	-2.725982	0.0001309	0.0088889	1.4675988	0.2838635	49	4	0	1	0	0	0	0	0	0	3	2	2	0	0	0	0	0	0	0	0	1	2	5	3	1	0	3	9	5	8
ENSP00000336744	ENSG00000168765	GSTM4	5450	25	9	7	1.38E-05	8.69E-05	-2.658868	0.0005069	0.0229276	1.4411534	0.4948717	16	0	1	1	0	0	0	0	0	1	0	0	1	0	0	1	1	0	1	0	0	1	0	0	1	0	0	0	3	3	1
ENSP00000341117,ENS	ENSG00000139410	SDSL	2390	1	9	7	1.38E-05	8.69E-05	-2.658868	0.0013804	0.0440717	1.6641006	0.6546537	16	0	0	0	0	1	0	0	0	0	1	1	1	0	1	0	0	0	1	1	0	0	0	0	2	0	0	0	4	2	1
ENSP00000291906	ENSG00000160447	PKN3	975	1	9	7	1.38E-05	8.69E-05	-2.658868	0.001955	0.0534991	1.6641006	0.6546537	16	0	0	0	0	0	0	0	1	0	2	0	0	1	1	1	0	0	0	1	0	1	0	1	0	0	0	0	2	1	4
ENSP00000260129,ENS	ENSG00000137574	TGS1	3268	1	13	10	1.99E-05	0.0001242	-2.642927	0.0009386	0.0353348	1.6665605	0.6244998	23	0	0	0	1	2	1	1	0	0	0	0	0	0	3	2	1	0	0	0	0	1	0	0	0	1	0	0	5	4	1
ENSP00000254878	ENSG00000132541	HRSP12	4313	956	8	6	1.22E-05	7.45E-05	-2.606401	0.0058567	0.100118	1.8282637	0.5	14	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	1	1	1	2	1	3
ENSP00000349351	ENSG00000185963	BICD2	4937	1	11	8	1.68E-05	9.94E-05	-2.562007	0.0031151	0.0701371	1.5612113	0.8660254	19	0	0	1	0	0	0	0	0	1	0	0	2	0	1	1	0	0	2	1	1	0	0	0	0	0	0	1	0	4	4
ENSP00000315614,ENS	ENSG00000177459	C8orf47	5085	1099	7	5	1.07E-05	6.21E-05	-2.536011	0.0417427	0.2642085	2.7467692	1.2489996	12	0	0	0	0	0	0	0	0	0	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1
ENSP00000278845,ENS	ENSG00000149499	EML3	5708	1225	7	5	1.07E-05	6.21E-05	-2.536011	0.0038814	0.0807648	1.7225078	0.9165151	12	0	1	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	2	0	3
ENSP00000384409,ENS	ENSG00000219860		583	1	7	5	1.07E-05	6.21E-05	-2.536011	0.0054539	0.0967483	1.7225078	0.9165151	12	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	1	1	0	0	0	1	0	0	3	0	2
ENSP00000227758,ENS	ENSG00000110330	BIRC2	1662	1	10	7	1.53E-05	8.69E-05	-2.506865	0.0047553	0.0903444	1.6990948	0.4948717	17	0	0	0	1	0	1	2	1	0	1	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	3	1
ENSP00000328405,ENS	ENSG00000065357	DGKA	4583	1	10	7	1.53E-05	8.69E-05	-2.506865	0.0132663	0.1534972	2.0021143	0.6546537	17	0	0	0	0	0	0	0	0	0	2	2	0	0	1	0	0	0	0	0	2	2	1	0	0	0	0	0	4	2	1
ENSP00000365534,ENS	ENSG00000185875	THNSL1	125	26	50	35	7.65E-05	0.0004347	-2.506865	1.64E-06	0.0004026	0.9437079	0.1309307	85	0	1	1	0	0	0	2	0	4	4	1	1	4	2	4	1	1	1	5	2	4	4	4	4	0	0	0	12	13	10
ENSP00000309714,ENS	ENSG00000174705	SH3PXD2B	4927	1	13	9	1.99E-05	0.0001118	-2.490924	0.0016453	0.0490647	1.5638439	0.3333333	22	1	1	0	0	0	0	0	1	0	2	2	2	0	1	2	0	0	0	0	0	0	0	0	1	0	0	0	4	3	2
ENSP00000274853,ENS	ENSG00000206485		4263	1	25	17	3.82E-05	0.0002111	-2.465045	0.0024941	0.0610671	1.4342192	0.1018853	42	0	0	1	1	0	1	1	0	3	2	1	1	2	0	0	1	0	0	0	0	0	0	0	0	5	4	2	6	5	6
ENSP00000226225	ENSG00000109079	TNFAIP1	236	1	6	4	9.18E-06	4.97E-05	-2.436476	0.0257252	0.2076189	1.9064667	1.7320508	10	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	4
ENSP00000215957,ENS	ENSG00000100139	MICALL1	3930	893	9	6	1.38E-05	7.45E-05	-2.436476	0.0106101	0.1355287	1.6641006	1	15	0	1	1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	2	0	0	0	0	0	0	2	0	4
ENSP00000359230,ENS	ENSG00000213397		2565	598	6	4	9.18E-06	4.97E-05	-2.436476	0.0434525	0.2679984	2.2786636	1.7320508	10	1	0	1	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	4	0	0
ENSP00000233699_rs1	ENSG00000115350	POLE4	726	1	6	4	9.18E-06	4.97E-05	-2.436476	0.0250707	0.2055654	2.2786636	0.4330127	10	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	0	1	1	2
ENSP00000354838,ENS	ENSG00000116001	TIA1	11	1	6	4	9.18E-06	4.97E-05	-2.436476	0.0330365	0.2364472	2.2786636	1.1456439	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	0	1	3	0	1
ENSP00000332887_rs1	ENSG00000184076		1274	1	9	6	1.38E-05	7.45E-05	-2.436476	0.0249802	0.2055654	2.2013982	0.8660254	15	2	1	3	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	4	1	1
ENSP00000362107,ENS	ENSG00000183386	FHL3	1972	471	6	4	9.18E-06	4.97E-05	-2.436476	0.0651338	0.3201457	2.5980762	1.1456439	10	1	0	0	0	0	0	0	2	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0
ENSP00000263212,ENS	ENSG00000100034	PPM1F	496	114	12	8	1.84E-05	9.94E-05	-2.436476	0.0004327	0.0205687	1.2990381	0.572822	20	0	1	0	1	1	1	0	1	0	0	1	0	1	2	0	0	0	0	0	0	0	1	1	0	0	0	1	3	4	1
ENSP00000315476	ENSG00000178896	EXOSC4	495	1	6	4	9.18E-06	4.97E-05	-2.436476	0.0097381	0.1286496	1.9064667	1.1456439	10	1	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	0
ENSP00000358990,ENS	ENSG00000184216	IRAK1	4544	990	6	4	9.18E-06	4.97E-05	-2.436476	0.0108283	0.1358226	1.9064667	0.4330127	10	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	1	0	0	0	1	0	0	0	0	0	2	1	1
ENSP00000345358,ENS	ENSG00000187778	MCRS1	777	188	6	4	9.18E-06	4.97E-05	-2.436476	0.0193599	0.1872128	1.9064667	1.1456439	10	0	1	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3
ENSP00000359921,ENS	ENSG00000171311	EXOSC1	48	1	14	9	2.14E-05	0.0001118	-2.384008	0.0051788	0.0947454	1.6373534	0.3333333	23	0	0	0	0	0	0	1	0	0	3	1	2	0	0	0	0	0	0	1	0	2	2	0	0	1	0	1	3	2	4
ENSP00000222547	ENSG00000105829	BET1	6233	1329	11	7	1.68E-05	8.69E-05	-2.369362	0.004425	0.0873336	1.7031813	0.4948717	18	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	1	1	3	0	1	3	1	3
ENSP00000275233,ENS	ENSG00000146414	SHPRH	800	194	8	5	1.22E-05	6.21E-05	-2.343366	0.0235487	0.2023385	1.8282637	0.6928203	13	0	1	1	0	1	0	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1
ENSP00000359424,ENS	ENSG00000213341	CHUK	619	1	8	5	1.22E-05	6.21E-05	-2.343366	0.0651364	0.3201457	2.4435945	0.6928203	13	0	0	1	0	0	0	0	0	0	0	0	2	0	0	3	0	0	1	0	0	0	0	0	0	0	1	0	1	1	3
ENSP00000266563,ENS	ENSG00000139197	PEX5	4210	1	13	8	1.99E-05	9.94E-05	-2.320999	0.0022274	0.0568908	1.3349065	0.7806247	21	1	0	2	0	0	1	0	0	1	0	1	0	1	0	0	1	0	2	0	0	0	1	1	1	0	0	0	2	1	5
ENSP00000382204,ENS	ENSG00000171988	JMJD1C	1011	1	18	11	2.75E-05	0.0001366	-2.310945	0.0003571	0.0181726	1.2480754	0.3149183	29	2	0	1	0	1	0	0	0	0	2	2	1	0	0	0	3	0	0	1	0	0	1	1	1	1	1	0	5	3	3
ENSP00000221264_rs2	ENSG00000011422	PLAUR	761	1	18	11	2.75E-05	0.0001366	-2.310945	0.002097	0.0548351	1.4411534	0.1574592	29	0	0	0	0	0	0	0	0	1	2	1	2	0	0	0	3	2	0	1	0	1	1	0	0	3	0	1	4	4	3
ENSP00000353660,ENS	ENSG00000162734	PEA15	1028	1	23	14	3.52E-05	0.0001739	-2.305231	0.000131	0.0088889	1.113848	0.3273268	37	2	3	1	1	0	0	0	2	1	0	0	1	0	2	1	1	1	0	1	0	0	3	0	0	2	1	0	6	3	5
ENSP00000341541,ENS	ENSG00000126001	CEP250	754	1	20	12	3.06E-05	0.000149	-2.284473	0.001351	0.0433456	1.2748303	0.25	32	0	3	0	1	0	1	3	0	2	1	0	0	2	1	0	1	0	0	1	0	0	1	0	0	2	0	1	4	3	5
ENSP00000271555,ENS	ENSG00000116604	MEF2D	4562	993	10	6	1.53E-05	7.45E-05	-2.284473	0.0079	0.1137702	1.5251734	0.8660254	16	1	1	0	1	0	0	0	0	0	2	0	0	1	0	0	1	0	0	0	0	0	1	0	0	1	0	1	1	1	4
ENSP00000301948,ENS	ENSG00000169057	MECP2	1060	256	20	12	3.06E-05	0.000149	-2.284473	0.0027028	0.0637812	1.4303039	0.6614378	32	0	2	1	0	1	3	0	0	0	0	0	0	0	1	0	1	2	1	2	0	1	0	0	0	4	0	1	7	3	2
ENSP00000260526,ENS	ENSG00000137962	ARHGAP29	792	1	84	49	0.0001285	0.0006086	-2.243831	8.52E-08	4.27E-05	0.619778	0.1968092	133	1	2	1	3	2	1	4	4	3	6	6	8	5	2	4	2	4	4	4	4	2	6	1	2	1	1	1	15	20	14
ENSP00000256578,ENS	ENSG00000116337	AMPD2	3747	1	24	14	3.67E-05	0.0001739	-2.243831	0.0010194	0.0364788	1.2990381	0.4460713	38	2	0	1	0	0	1	0	3	1	1	5	1	1	1	0	0	1	0	0	0	1	2	2	1	0	0	0	7	3	4
ENSP00000359688_rs2	ENSG00000117133	BXDC5	477	1	12	7	1.84E-05	8.69E-05	-2.243831	0.0027014	0.0637812	1.2990381	1.0785478	19	0	0	0	0	0	0	0	0	1	0	1	1	0	2	1	0	0	0	1	1	0	0	1	1	1	1	0	5	2	0
ENSP00000364662	ENSG00000185963	BICD2	4938	1	12	7	1.84E-05	8.69E-05	-2.243831	0.0078239	0.1132381	1.4411534	0.8921426	19	0	0	1	0	0	0	0	0	1	0	0	2	1	1	1	0	0	2	1	1	0	0	0	0	0	0	1	0	3	4
ENSP00000361226_rs3	ENSG00000125485	DDX31	3750	1	38	22	5.81E-05	0.0002732	-2.232942	9.76E-05	0.0075711	0.9504	0.1574592	60	1	1	0	3	0	0	0	1	1	0	4	1	3	1	1	4	3	1	2	1	0	1	0	1	3	1	4	6	8	8
ENSP00000256897,ENS	ENSG00000134480	CCNH	3692	833	19	11	2.91E-05	0.0001366	-2.232942	0.0001245	0.0087199	1.1017875	0.1574592	30	2	0	1	0	0	0	1	0	1	2	0	2	1	0	0	2	0	1	1	1	0	2	1	0	1	0	0	4	3	4
ENSP00000365159,ENS	ENSG00000217416	ISCA1L	5274	1	7	4	1.07E-05	4.97E-05	-2.214083	0.0351168	0.2430562	2.0276735	0.8660254	11	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0	0	0	0	1	0	0	1	0	1	0	0	0	2	0	2
ENSP00000323680,ENS	ENSG00000100897	WDR23	3396	768	7	4	1.07E-05	4.97E-05	-2.214083	0.0464505	0.2755303	2.0276735	0.4330127	11	0	0	0	1	0	1	2	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	1
ENSP00000308759,ENS	ENSG00000173276	ZNF295	6184	1	7	4	1.07E-05	4.97E-05	-2.214083	0.0510838	0.2858324	2.0276735	0.8660254	11	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	2	2	0
ENSP00000354681_rs7	ENSG00000198836	OPA1	4756	135	7	4	1.07E-05	4.97E-05	-2.214083	0.0462559	0.2748768	2.0276735	0.4330127	11	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1
ENSP00000299977,ENS	ENSG00000166750	SLFN5	4677	1014	7	4	1.07E-05	4.97E-05	-2.214083	0.1223274	0.405661	2.9477395	1.1456439	11	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	1
rev_ENSP00000264229	rev	rev	4748	1030	7	4	1.07E-05	4.97E-05	-2.214083	0.0145663	0.1624495	1.7225078	0.4330127	11	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	1	0	1	1	0	0	0	2	1	1
ENSP00000304102	ENSG00000168090	COPS6	6291	1342	7	4	1.07E-05	4.97E-05	-2.214083	0.0253016	0.2056872	2.0276735	0.8660254	11	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	2	0	1	0	0	0	2	0	2
ENSP00000256460,ENS	ENSG00000134072	CAMK1	922	1	7	4	1.07E-05	4.97E-05	-2.214083	0.0278455	0.2156451	2.0276735	0.8660254	11	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	1	0	0	1	0	2	2
ENSP00000013125,ENS	ENSG00000012983	MAP4K5	297	69	7	4	1.07E-05	4.97E-05	-2.214083	0.0263874	0.2087751	2.0276735	0.8660254	11	2	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	2	0	2
ENSP00000268206_rs2	ENSG00000140598	EFTUD1	4871	1	51	29	7.80E-05	0.0003602	-2.206994	5.86E-06	0.0011563	0.8086898	0.6235566	80	2	1	1	2	0	0	1	2	1	3	1	2	2	2	5	4	0	1	3	1	4	5	4	3	0	0	1	16	4	9
ENSP00000307491	ENSG00000114742	WDR48	240	52	25	14	3.82E-05	0.0001739	-2.184937	0.0006344	0.0272957	1.2323336	0.3273268	39	0	2	1	0	0	0	0	0	1	0	0	2	2	1	2	0	0	2	0	0	1	4	3	0	2	0	2	6	5	3
ENSP00000343901	ENSG00000141198	TOM1L1	3461	789	9	5	1.38E-05	6.21E-05	-2.173441	0.0206586	0.1927642	1.6641006	0.6928203	14	0	0	0	0	0	0	1	0	1	1	1	0	1	0	0	0	0	2	0	0	0	0	0	1	0	0	1	3	1	1
ENSP00000359665_V11	ENSG00000043822	PI4K2A	723	1	9	5	1.38E-05	6.21E-05	-2.173441	0.0265446	0.2087751	1.6641006	0.6928203	14	0	0	0	1	1	0	0	0	0	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1	1	1	1	3
ENSP00000294661,ENS	ENSG00000162642	C1orf52	3428	778	9	5	1.38E-05	6.21E-05	-2.173441	0.0523344	0.2870011	2.0380987	1.2489996	14	0	0	0	1	0	0	1	0	0	1	0	1	3	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	4	1
ENSP00000283645,ENS	ENSG00000153575	TUBGCP5	5531	1	9	5	1.38E-05	6.21E-05	-2.173441	0.0106141	0.1355287	1.6641006	0.3464102	14	2	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0	1	0	1	1	0	0	0	0	0	0	2	1	2
ENSP00000306473_rs6	ENSG00000171241	SHCBP1	4399	607	9	5	1.38E-05	6.21E-05	-2.173441	0.0147522	0.1630597	1.6641006	0.6928203	14	1	0	0	0	0	1	1	0	2	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	3	1	1
ENSP00000266517,ENS	ENSG00000139163	ETNK1	1710	1	11	6	1.68E-05	7.45E-05	-2.146969	0.0103525	0.1334072	1.7031813	0.5	17	3	0	0	1	1	1	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	3	1	2
ENSP00000354826,ENS	ENSG00000122786	CALD1	242	1	82	44	0.0001254	0.0005465	-2.123318	0.0356894	0.2446793	2.0834394	0.4932394	126	28	16	10	0	0	0	0	0	0	4	7	7	0	0	0	0	0	1	0	0	0	0	0	0	5	3	1	23	11	10
ENSP00000219794,ENS	ENSG00000103507	BCKDK	3328	753	15	8	2.29E-05	9.94E-05	-2.114548	0.0027886	0.065098	1.3519217	0.4330127	23	2	0	0	0	0	0	1	0	1	0	0	1	3	1	1	1	1	0	0	0	0	1	0	0	1	0	1	4	2	2
ENSP00000324158,ENS	ENSG00000178252	WDR6	612	144	15	8	2.29E-05	9.94E-05	-2.114548	0.0116084	0.1415832	1.4411534	0.7806247	23	1	0	2	3	0	1	1	0	0	1	0	1	2	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1	2	5
rev_ENSP00000265368	rev	rev	3193	1	19	10	2.91E-05	0.0001242	-2.095439	0.0219492	0.1977166	1.7095762	0.4582576	29	2	2	2	0	0	0	0	0	0	4	2	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	3	5	2
ENSP00000376054	ENSG00000162735	PEX19	909	1	42	22	6.42E-05	0.0002732	-2.088552	0.001122	0.0391789	1.0598273	0.5677271	64	2	5	3	4	2	1	0	2	1	5	1	0	5	3	2	2	0	1	0	0	0	1	1	0	0	1	0	6	12	4
ENSP00000285398	ENSG00000163161	ERCC3	4031	1	27	14	4.13E-05	0.0001739	-2.073906	0.0037705	0.0794442	1.2403473	0.2474358	41	1	0	0	0	0	0	0	0	5	1	2	0	2	0	0	0	0	2	2	1	2	1	2	1	2	0	3	4	6	4
ENSP00000268206_A9	ENSG00000140598	EFTUD1	4872	1	55	28	8.41E-05	0.0003478	-2.047433	3.16E-05	0.0035469	0.8110176	0.5900968	83	2	1	1	4	0	0	1	2	1	3	1	2	3	2	5	5	0	1	3	1	4	4	5	3	0	0	1	15	4	9
ENSP00000261511,ENS	ENSG00000056050	C4orf27	2586	1	20	10	3.06E-05	0.0001242	-2.021438	0.0108451	0.1358226	1.3804264	0.4582576	30	0	1	0	0	1	1	1	3	0	2	2	3	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	3	2	5
ENSP00000344591,ENS	ENSG00000153317	ASAP1	5532	1	14	7	2.14E-05	8.69E-05	-2.021438	0.0243059	0.2043754	1.5475204	0.8921426	21	0	2	0	0	0	0	0	0	0	1	1	1	0	0	1	3	1	2	0	0	0	0	0	1	0	0	1	4	0	3
ENSP00000358810,ENS	ENSG00000143093	FAM40A	3420	775	8	4	1.22E-05	4.97E-05	-2.021438	0.0333353	0.2367824	1.8282637	0.4330127	12	0	1	0	0	0	0	1	0	0	0	1	0	1	0	0	1	0	0	0	0	1	0	2	0	0	0	0	2	1	1
rev_ENSP00000265343	rev	rev	1022	1	8	4	1.22E-05	4.97E-05	-2.021438	0.0484069	0.2797464	1.8282637	0.8660254	12	0	1	1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	1	1	0	0	0	0	0	0	0	0	2	2
ENSP00000317636,ENS	ENSG00000108469	RECQL5	2743	1	8	4	1.22E-05	4.97E-05	-2.021438	0.0536231	0.290797	1.8282637	0.8660254	12	0	0	1	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	2	0	2
ENSP00000262763,ENS	ENSG00000108669	CYTH1	4590	1	8	4	1.22E-05	4.97E-05	-2.021438	0.0547154	0.2937852	1.8282637	0.4330127	12	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	1	1	0	0	1	1	2
ENSP00000376328	ENSG00000088992	TESC	5707	1224	8	4	1.22E-05	4.97E-05	-2.021438	0.0762154	0.3379283	2.0539596	1.1456439	12	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0	2	0	0	0	0	1	0	0	0	0	1	0	3
ENSP00000350102,ENS	ENSG00000198113	C9orf167	2768	644	24	12	3.67E-05	0.000149	-2.021438	0.025328	0.2056872	1.6011564	0.4330127	36	0	0	0	0	0	2	0	0	0	1	1	1	0	0	0	3	4	3	4	0	4	0	1	0	0	0	0	6	3	3
ENSP00000369497,ENS	ENSG00000139618	BRCA2	5771	1	8	4	1.22E-05	4.97E-05	-2.021438	0.100018	0.3743778	2.0539596	1.1456439	12	0	0	0	1	0	2	0	0	1	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	1	0	1	3	0
ENSP00000271015,ENS	ENSG00000142867	BCL10	1471	341	34	17	5.20E-05	0.0002111	-2.021438	9.92E-05	0.0076001	0.8971608	0.2695633	51	1	0	1	2	0	1	2	3	1	1	3	2	2	4	3	2	1	0	1	0	0	2	1	1	0	0	0	7	4	6
ENSP00000271657,ENS	ENSG00000143393	PI4KB	5057	1091	8	4	1.22E-05	4.97E-05	-2.021438	0.1395311	0.4238875	2.4435945	0.8660254	12	0	3	0	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2
ENSP00000323696	ENSG00000170275	CRTAP	6510	1	14	7	2.14E-05	8.69E-05	-2.021438	0.0045341	0.0883381	1.2395561	0.4948717	21	2	1	2	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	1	1	3	3
ENSP00000261842,ENS	ENSG00000081014	AP4E1	6389	1360	8	4	1.22E-05	4.97E-05	-2.021438	0.0286062	0.2181856	1.5704605	1.1456439	12	1	0	0	0	1	0	0	1	0	1	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	3
ENSP00000265963_T50	ENSG00000110768	GTF2H1	1316	308	16	8	2.45E-05	9.94E-05	-2.021438	0.008919	0.1228681	1.3450631	0.2165064	24	0	0	1	0	0	0	0	0	0	1	0	1	1	0	1	2	0	3	1	0	1	0	0	2	1	0	1	2	3	3
ENSP00000262809	ENSG00000105656	ELL	759	180	14	7	2.14E-05	8.69E-05	-2.021438	0.0106334	0.1355287	1.4521407	0.6546537	21	0	0	0	1	0	1	0	1	0	0	2	1	2	2	2	0	0	1	0	0	0	0	1	0	0	0	0	2	4	1
ENSP00000233557,ENS	ENSG00000115216	NRBP1	1307	306	14	7	2.14E-05	8.69E-05	-2.021438	0.0112599	0.1396876	1.5475204	0.2474358	21	3	0	1	0	0	0	1	0	2	1	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	3	2	2
ENSP00000346255,ENS	ENSG00000196850	PPTC7	4206	1	10	5	1.53E-05	6.21E-05	-2.021438	0.0325572	0.2343036	1.6990948	0.9165151	15	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	2	1	0	0	1	0	1	2	3	0
ENSP00000244007,ENS	ENSG00000124181	PLCG1	5505	1	55	27	8.41E-05	0.0003353	-1.994966	0.0024587	0.0606008	1.1267199	0.4843221	82	6	9	1	4	2	0	4	4	1	1	2	0	5	5	2	1	0	0	0	2	0	2	3	0	1	0	0	7	14	6
ENSP00000337773,ENS	ENSG00000124588	NQO2	3236	1	29	14	4.44E-05	0.0001739	-1.970812	0.0002231	0.0128853	0.9283782	0.4460713	43	1	1	1	1	2	1	0	1	1	0	3	1	2	1	4	2	1	0	2	1	2	0	1	0	0	0	0	7	4	3
ENSP00000335655,ENS	ENSG00000161791	FMNL3	5701	1	27	13	4.13E-05	0.0001615	-1.96699	0.0003942	0.0192079	1	0.1332347	40	3	1	2	1	0	0	2	1	2	3	0	0	1	3	1	1	0	0	2	1	0	1	0	1	1	0	0	5	4	4
ENSP00000321320,ENS	ENSG00000186979	C8orf30B	5554	1	59	28	9.02E-05	0.0003478	-1.94615	6.78E-05	0.0058877	0.8130703	0.2696369	87	2	4	1	5	5	0	3	4	2	3	3	3	5	4	2	4	0	1	0	0	0	2	4	1	0	0	1	12	9	7
ENSP00000370350,ENS	ENSG00000205629	LCMT1	1637	1	17	8	2.60E-05	9.94E-05	-1.933975	0.0094703	0.1276858	1.2573976	0.572822	25	0	2	1	3	0	1	0	0	0	0	0	2	1	0	1	0	1	1	1	0	0	1	1	1	0	0	0	4	3	1
ENSP00000331368,ENS	ENSG00000166401	SERPINB8	3732	1	56	26	8.57E-05	0.0003229	-1.914523	8.38E-05	0.0068129	0.8235162	0.0666173	82	0	0	1	4	3	1	3	2	0	4	4	3	5	5	0	4	2	1	1	2	1	1	4	4	1	0	0	9	8	9

ENSP00000361524,ENS	ENSG00000136819	C9orf78	5050	1	41	19	6.27E-05	0.000236	-1.911814	0.0017057	0.0494967	0.9199657	0.2411882	60	2	6	2	1	3	1	1	2	0	2	0	0	1	3	0	2	0	2	1	2	0	2	1	1	2	4	0	6	8	5
ENSP00000371766,ENS	ENSG00000107099	DOCK8	4393	1	13	6	1.99E-05	7.45E-05	-1.905961	0.0149082	0.1640159	1.4538884	0.5	19	2	0	1	0	0	0	0	0	2	0	0	0	1	0	2	0	0	0	0	0	1	1	1	1	1	0	0	3	2	1
ENSP00000347464,ENS	ENSG00000139436	GIT2	3545	807	13	6	1.99E-05	7.45E-05	-1.905961	0.0205761	0.1924275	1.4538884	0.5	19	1	0	2	1	0	0	2	0	0	1	2	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	3	2
ENSP00000340691_A1C	ENSG00000187840	EIF4EBP1	616	1	13	6	1.99E-05	7.45E-05	-1.905961	0.0301073	0.2253894	1.5638439	1.3228757	19	1	0	0	0	0	0	1	0	1	1	3	1	0	0	0	1	0	0	0	0	1	2	0	1	0	0	0	5	0	1
rev_ENSP00000249367	rev	rev	4376	1	11	5	1.68E-05	6.21E-05	-1.883935	0.1210518	0.4032866	2.2843062	0.9165151	16	0	0	0	0	0	0	0	1	0	0	0	0	4	2	0	0	0	0	1	0	0	0	0	0	2	1	0	3	0	2
ENSP00000353321	ENSG00000197798	FAM118B	5387	1	11	5	1.68E-05	6.21E-05	-1.883935	0.0178245	0.1805455	1.404968	0.6928203	16	1	1	0	1	1	0	0	0	0	0	0	1	0	1	2	0	0	1	1	0	0	0	1	0	0	0	0	1	1	3
ENSP00000311554,ENS	ENSG00000116761	CTH	90	21	42	19	6.42E-05	0.000236	-1.877048	0.00179	0.0513569	1.0747202	0.8102529	61	0	0	1	0	0	0	1	0	0	3	2	2	2	3	1	3	3	0	5	2	2	5	5	2	0	0	0	12	5	2
ENSP00000339328,ENS	ENSG00000011422	PLAUR	762	1	20	9	3.06E-05	0.0001118	-1.869435	0.0147713	0.1630597	1.3286778	0.3333333	29	0	0	0	0	0	0	0	0	1	2	1	2	0	0	0	3	2	1	1	0	1	1	0	0	3	0	2	3	4	2
ENSP00000359503,ENS	ENSG00000119929	CUTC	1141	275	18	8	2.75E-05	9.94E-05	-1.851513	0.0375562	0.2503325	1.6112585	0.2165064	26	2	0	1	1	0	0	0	0	0	4	3	2	2	0	1	0	1	0	0	0	0	0	0	1	0	0	0	3	2	3
ENSP00000323822,ENS	ENSG00000138081	FBXO11	4977	1	9	4	1.38E-05	4.97E-05	-1.851513	0.0521723	0.2869916	1.6641006	0.4330127	13	1	1	1	0	0	0	0	1	0	0	1	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	1
ENSP00000347655,ENS	ENSG00000198055	GRK6	1526	1	9	4	1.38E-05	4.97E-05	-1.851513	0.0745116	0.3356112	2.0380987	0.4330127	13	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	3	0	1	0	0	1	1	2
ENSP00000306866	ENSG00000170296	GABARAP	5418	1	9	4	1.38E-05	4.97E-05	-1.851513	0.0766099	0.3384688	1.860521	0.8660254	13	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	2	1	2	0	0	0	0	0	2	2
rev_ENSP00000355890	rev	rev	5377	1163	9	4	1.38E-05	4.97E-05	-1.851513	0.0903283	0.3629291	2.0380987	0.4330127	13	0	1	0	0	0	0	0	0	1	0	0	1	0	3	0	0	0	0	0	1	0	1	0	0	0	1	0	1	1	2
ENSP00000038176,ENS	ENSG00000035681	NSMAF	2885	1	9	4	1.38E-05	4.97E-05	-1.851513	0.0954751	0.3692571	2.2013982	0.4330127	13	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3	1	0	2	1	0	1	1	2
ENSP00000290246,ENS	ENSG00000062598	ELMO2	5491	1	9	4	1.38E-05	4.97E-05	-1.851513	0.1071538	0.383813	2.0380987	0.8660254	13	0	0	1	0	0	0	0	0	0	1	0	0	3	0	1	0	0	0	0	1	1	0	0	0	0	0	1	2	0	2
rev_ENSP00000301030	rev	rev	631	1	9	4	1.38E-05	4.97E-05	-1.851513	0.1274874	0.4128919	1.860521	0.8660254	13	0	0	0	2	0	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	2	0	2	0	2
ENSP00000361982	ENSG00000167112	TRUB2	4932	1	9	4	1.38E-05	4.97E-05	-1.851513	0.1274747	0.4128919	2.2013982	0.4330127	13	1	0	0	0	0	0	1	0	0	1	0	3	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	2	1	1
ENSP00000221481_rs1:	ENSG00000104884	ERCC2	3134	1	27	12	4.13E-05	0.000149	-1.851513	0.0016826	0.0494967	1.037749	0.5	39	2	2	0	1	2	0	0	0	0	1	1	3	1	3	1	1	0	0	0	0	1	0	2	3	2	0	1	6	2	4
ENSP00000281318,ENS	ENSG00000151612	ZNF827	3473	794	9	4	1.38E-05	4.97E-05	-1.851513	0.2159363	0.515919	3	1.7320508	13	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	3	0	0	2	0	0	4	0	0
ENSP00000347999,ENS	ENSG00000122299	ZC3H7A	3458	788	9	4	1.38E-05	4.97E-05	-1.851513	0.0571276	0.3012731	1.6641006	1.1456439	13	0	1	0	0	1	0	1	1	0	0	0	0	1	2	0	0	0	1	0	0	0	0	1	0	0	0	0	0	3	1
ENSP00000287239,ENS	ENSG00000156650	MYST4	6445	1	9	4	1.38E-05	4.97E-05	-1.851513	0.0519185	0.2869916	1.6641006	0.4330127	13	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	1	0	1	0	1	0	0	2	0	0	0	1	2	1
ENSP00000286835	ENSG00000156304	SFRS15	2062	1	34	15	5.20E-05	0.0001863	-1.840866	0.0018688	0.0520809	0.9496928	0.5291503	49	1	1	1	0	0	1	2	0	1	1	1	0	3	4	0	0	0	2	2	4	3	0	1	1	2	1	2	7	2	6
ENSP00000369519	ENSG00000099810	MTAP	4512	1	93	41	0.0001423	0.0005092	-1.839831	0.0055475	0.0973886	1.119599	0.3682846	134	3	0	3	1	1	3	1	0	3	15	1	14	2	5	8	0	1	8	4	3	2	2	3	6	3	0	1	19	9	13
rev_ENSP00000281578	rev	rev	1017	243	16	7	2.45E-05	8.69E-05	-1.828793	0.0735489	0.3344967	1.8282637	0.2474358	23	0	0	0	0	4	0	1	0	0	3	1	2	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	2	3	2
ENSP00000344030,ENS	ENSG00000040341	STAU2	4321	957	16	7	2.45E-05	8.69E-05	-1.828793	0.0310162	0.2290345	1.4241647	0.4948717	23	1	0	0	1	0	0	0	2	1	0	1	1	2	1	3	0	0	0	0	0	0	0	1	0	0	0	2	3	3	1
rev_ENSP00000224140	rev	rev	2766	1	7	3	1.07E-05	3.73E-05	-1.799046	0.0949573	0.3691399	1.7225078	1.7320508	10	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	3	0	0
ENSP00000318629,ENS	ENSG00000155975	VPS37A	1215	1	7	3	1.07E-05	3.73E-05	-1.799046	0.1574543	0.4482045	2.0276735	1.7320508	10	0	0	2	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	3
ENSP00000353483,ENS	ENSG00000107643	MAPK8	1265	1	7	3	1.07E-05	3.73E-05	-1.799046	0.1660604	0.4584788	2.0276735	1.7320508	10	0	0	2	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	3
ENSP00000315693,ENS	ENSG00000217930		3818	863	7	3	1.07E-05	3.73E-05	-1.799046	0.089871	0.3625919	2.0276735	0	10	1	0	1	1	0	0	0	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
ENSP00000306598,ENS	ENSG00000168234	TTC39C	1718	1	7	3	1.07E-05	3.73E-05	-1.799046	0.1209135	0.4032866	2.0276735	1	10	1	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	2	1	0
ENSP00000326706,ENS	ENSG00000169094	PLEKHO2	1091	265	7	3	1.07E-05	3.73E-05	-1.799046	0.1209105	0.4032866	2.0276735	1	10	0	1	0	0	0	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	2
ENSP00000220847,ENS	ENSG00000129292	PHF20L1	5714	1226	7	3	1.07E-05	3.73E-05	-1.799046	0.1380925	0.4220986	2.0276735	1	10	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	1	0	0	1	0	2
ENSP00000331447,ENS	ENSG00000179119	SPTY2D1	6242	1333	7	3	1.07E-05	3.73E-05	-1.799046	0.1444751	0.4306626	2.0276735	1	10	1	0	0	0	0	0	0	2	0	0	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	2
ENSP00000261847,ENS	ENSG00000138593	SECISBP2L	4392	1	7	3	1.07E-05	3.73E-05	-1.799046	0.128846	0.413794	2.0276735	1	10	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	1	1	2	0
ENSP00000380054	ENSG00000144597	EAF1	3842	1	7	3	1.07E-05	3.73E-05	-1.799046	0.1614192	0.4531663	2.5298842	1	10	3	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	2
ENSP00000236925,ENS	ENSG00000118200	CAMSAP1L1	628	1	7	3	1.07E-05	3.73E-05	-1.799046	0.1432371	0.4288659	2.0276735	0	10	0	1	0	0	0	0	1	2	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
ENSP00000358695,ENS	ENSG00000065615	CYB5R4	2590	372	7	3	1.07E-05	3.73E-05	-1.799046	0.1746113	0.4701522	2.5298842	1	10	2	1	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
ENSP00000343990,ENS	ENSG00000106785	TRIM14	3916	890	14	6	2.14E-05	7.45E-05	-1.799046	0.1287466	0.413794	2.0970376	0.5	20	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	4	1	4	1	0	0	1	0	0	0	0	0	2	1	3
rev_ENSP00000333327	rev	rev	4118	1	7	3	1.07E-05	3.73E-05	-1.799046	0.1862626	0.4837663	2.2925721	1	10	0	0	0	2	0	0	0	0	0	0	0	2	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	2
ENSP00000320188,ENS	ENSG00000218891	ZNF579	4789	1040	7	3	1.07E-05	3.73E-05	-1.799046	0.1958907	0.4918411	2.2925721	1	10	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	1	0	0	0	0	1	0	0	0	2	1	0
ENSP00000254442,ENS	ENSG00000091157	WDR7	1736	1	7	3	1.07E-05	3.73E-05	-1.799046	0.2316503	0.5353933	2.7467692	0	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	0	0	0	2	0	0	0	0	0	0	1	1	1
ENSP00000355637,ENS	ENSG00000135776	ABCB10	663	1	21	9	3.21E-05	0.0001118	-1.799046	0.004991	0.0920869	1.0894096	0.5773503	30	1	1	0	1	1	0	1	0	0	1	2	0	2	1	1	0	0	0	2	1	3	0	2	1	0	0	0	4	4	1
ENSP00000301885,ENS	ENSG00000168061	SAC3D1	553	1	7	3	1.07E-05	3.73E-05	-1.799046	0.3115907	0.6173068	3.1358563	1	10	0	0	4	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
ENSP00000251810	ENSG00000048392	RRM2B	3534	1	35	15	5.35E-05	0.0001863	-1.799046	0.004633	0.0887497	1.1079278	0	50	3	0	0	5	0	0	3	2	1	1	1	1	4	2	2	3	1	1	0	0	0	3	2	0	0	0	0	5	5	5
ENSP00000281474,ENS	ENSG00000151746	BICD1	711	1	7	3	1.07E-05	3.73E-05	-1.799046	0.066827	0.3236957	1.7225078	1	10	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	2
ENSP00000358622	ENSG00000073009	IKBKG	2261	1	14	6	2.14E-05	7.45E-05	-1.799046	0.0207086	0.1929541	1.2395561	0	20	1	1	0	1	2	1	0	1	1	1	0	1	0	0	0	0	2	0	0	0	0	0	0	1	0	1	0	2	2	2
ENSP00000326924,ENS	ENSG00000140386	SCAPER	5934	1	7	3	1.07E-05	3.73E-05	-1.799046	0.0750148	0.3367137	1.7225078	1	10	0	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	2	0	1
ENSP00000358104,ENS	ENSG00000198873	GRK5	1627	1	7	3	1.07E-05	3.73E-05	-1.799046	0.0947067	0.3691399	2.0276735	1	10	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	1	2	0	1	0	0	1	0	2
rev_ENSP00000316699	rev	rev	4150	1	7	3	1.07E-05	3.73E-05	-1.799046	0.097412	0.3716888	2.0276735	1	10	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	2	0	0	0	0	1	1	0	2
ENSP00000361232	ENSG00000125485	DDX31	3749	1	61	26	9.33E-05	0.0003229	-1.791141	0.004419	0.0873336	1.0167188	0.1762529	87	1	1	0	5	1	0	1	1	1	3	3	1	5	1	1	9	4	1	4	2	0	0	1	2	5	1	7	7	10	9
ENSP00000317232,ENS	ENSG00000141756	FKBP10	3032	1	92	39	0.0001407	0.0004844	-1.783279	0.0226032	0.1989383	1.3405918	0.1332347	131	18	11	8	0	0	1	1	0	0	5	10	7	2	2	1	1	2	0	0	0	0	0	2	1	4	10	6	12	15	12
ENSP00000370074	ENSG00000170542	SERPINB9	4729	1	59	25	9.02E-05	0.0003105	-1.782651	0.0378702	0.2509142	1.5955834	0.183303	84	0	0	1	0	1	0	0	0	0	6	11	11	10	5	4	1	0	0	4	1	2	0	0	1	1	0	0	10	8	7
ENSP00000228827,ENS	ENSG00000111231	GPN3	4008	904	12	5	1.84E-05	6.21E-05	-1.758404	0.0687734	0.3280635	1.6899021	0.6928203	17	1	0	0	1	0	0	1	0	2	1	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1
ENSP00000290155	ENSG00000159079	C21orf59	5430	755	12	5	1.84E-05	6.21E-05	-1.758404	0.0151005	0.1652492	1.2990381	0.9165151	17	1	0	0	1	0	0	0	0	0	1	1	0	1	2	1	0	0	1	1	0	0	1	0	0	1	0	0	3	0	2
ENSP00000295859,ENS	ENSG00000163602	RYBP	552	1	12	5	1.84E-05	6.21E-05	-1.758404	0.02146	0.1974134	1.2990381	0.6928203	17	1	2	0	0	0	0	0	1	0	1	1	0	1	1	0	0	0	1	1	1	0	0	1	0	0	0	0	3	1	1
ENSP00000318912	ENSG00000185015	CA13	918	1	24	10	3.67E-05	0.0001242	-1.758404	0.012914	0.1518207	1.2610092	0.1732051	34	4	1	3	1	1	1	1	0	0	2	3	1	1	0	0	1	2	2	0	0	0	0	0	0	0	0	0	3	3	4
ENSP00000223836,ENS	ENSG00000106992	AK1	1251	1	92	38	0.0001407	0.000472	-1.745804	0.0072543	0.1105778	1.1633091	0.4489137	130	3	1	3	0	1	4	0	0	3	5	0	5	0	3	5	0	3	6	5	1	7	16	2	14	4	0	1	19	8	11
ENSP00000333934,ENS	ENSG00000066651	TRMT11	5183	1	17	7	2.60E-05	8.69E-05	-1.74133	0.0314272	0.2302422	1.5353175	0.2474358	24	1	0	0	0	0	1	1	0	0	0	2	0	3	3	2	0	1	0	1	0	0	0	2	0	0	0	0	3	2	2
ENSP00000293590	ENSG00000161791	FMNL3	3077	1	22	9	3.37E-05	0.0001118	-1.731932	0.0060556	0.1013893	1.1308257	0.3333333	31	2	1	1	0	0	0	1	1	2	2	0	0	1	4	1	0	0	0	1	1	0	1	0	1	1	1	0	4	3	2
ENSP00000263646_P18	ENSG00000078902	TOLLIP	798	193	22	9	3.37E-05	0.0001118	-1.731932	0.0127775	0.151178	1.1308257	0.3333333	31	0	1	3	3	2	1	1	0	1	0	0	1	1	0	0	1	0	2	0	0	1	1	0	2	0	0	1	4	3	2
ENSP00000353458,ENS	ENSG00000198604	BAZ1A	3937	1	89	36	0.0001361	0.0004471	-1.71563	0.001846	0.0520513	0.8278907	0.0833333	125	1	2	0	5	2	2	7	9	7	0	2	4	7	6	7	5	1	0	1	7	3	1	4	1	0	2	3	12	11	13
ENSP00000328251,ENS	ENSG00000170854	MINA	34	5	30	12	4.59E-05	0.000149	-1.69951	0.000156	0.0098635	0.7205767	0.25	42	2	1	1	0	1	0	1	1	1	2	1	1	3	1	1	0	1	0	3	2	2	1	1	1	1	0	1	3	5	4
ENSP00000340591,ENS	ENSG00000148498	PARD3	642	1	15	6	2.29E-05	7.45E-05	-1.69951	0.0771417	0.3399351	1.8229309	0	21	4	3	0	0	0	0	1	0	0	0	1	0	0	2	0	0	0	1	1	0	1	1	0	0	0	0	0	2	2	2
ENSP00000313171,ENS	ENSG00000176208	ATAD5	2721	1	10	4	1.53E-05	4.97E-05	-1.69951	0.0812062	0.3480105	1.5251734	0.4330127	14	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	0	1	1	0	0	0	0	0	0	1	0	2	1	2	1
ENSP00000258597,ENS	ENSG00000136098	NEK3	2920	1	10	4	1.53E-05	4.97E-05	-1.69951	0.086419	0.3560722	1.6990948	0.4330127	14	1	1	0	0	1	1	0	0	0	0	0	1	0	0	0	2	1	0	0	0	0	0	0	2	0	0	0	1	2	1
ENSP00000277225,ENS	ENSG00000148143	ZNF462	5525	1	10	4	1.53E-05	4.97E-05	-1.69951	0.1034669	0.3805208	1.6990948	1.1456439	14	0	0	0	0	0	0	0	0	2	1	1	1	1	0	2	0	0	0	0	0	0	0	0	0	1	0	1	1	3	0
ENSP00000306297,ENS	ENSG00000156983	BRPF1	2892	1	10	4	1.53E-05	4.97E-05	-1.69951	0.1208072	0.4032866	2.0021143	0.8660254	14	2	0	0	0	0	0	0	0	1	0	0	0	2	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	2	2
ENSP00000317891,ENS	ENSG00000145901	TNIP1	806	1	10	4	1.53E-05	4.97E-05	-1.69951	0.1217773	0.4045621	2.0021143	0.4330127	14	0	2	0	0	0	0	0	1	1	0	0	1	0	1	1	0	0	0	0	0	0	0	3	0	0	0	0	2	1	1
ENSP00000366156	ENSG00000116649	SRM	4072	136	30	12	4.59E-05	0.000149	-1.69951	0.0044101	0.0873336	1.068788	0.4330127	42	2	1	3	0	0	0	2	1	2	0	1	1	4	1	2	0	0	0	1	0	1	4	1	2	1	0	0	6	3	3
ENSP00000265713,ENS	ENSG00000083168	MYST3	3959	1	20	8	3.06E-05	9.94E-05	-1.69951	0.0114791	0.1413295	1.2186058	0.4330127	28	1	0	0	1	1	0	0	0	1	2	1	0	1	1	1	1	0	0	0	1	2	3	3	0	0	0	0	2	4	2
ENSP00000245588,ENS	ENSG00000125482	TTF1	4141	929	15	6	2.29E-05	7.45E-05	-1.69951	0.0135238	0.1550964	1.0392305	0.5	21	1	1	0	0	0	1	0	1	1	0	1	0	0	1	1	1	1	1	0	0	2	0	0	0	1	1	0	1	3	2
ENSP00000321617,ENS	ENSG00000163516	ANKZF1	4777	1	20	8	3.06E-05	9.94E-05	-1.69951	0.0194745	0.1872128	1.2186058	0.2165064	28	1	0	0	1	1	0	1	2	0	1	3	0	1	2	0	0	1	0	1	3	0	1	0	0	0	0	1	3	3	2
ENSP00000347444_rs2(	ENSG00000196116	TDRD7	205	44	20	8	3.06E-05	9.94E-05	-1.69951	0.0188803	0.1857516	1.2748303	0.572822	28	3	2	1	2	0	0	1	0	2	1	0	2	1	0	2	0	0	0	0	0	0	2	1	0	0	0	0	4	1	3
ENSP00000270637,ENS	ENSG00000142544	ATPBD3	5392	1	10	4	1.53E-05	4.97E-05	-1.69951	0.0472601	0.2774566	1.5251734	0.4330127	14	1	1	1	1	0	0	0	1	0	0	2	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2	1	1
rev_ENSP00000265986	rev	rev	3075	1	10	4	1.53E-05	4.97E-05	-1.69951	0.0799293	0.3456218	1.8567962	0.4330127	14	1	0	0	1	0	1	1	0	0	0	0	0	0	1	0	0	0	0	3	0	1	1	0	0	0	0	0	2	1	1
ENSP00000233609	ENSG00000115268	RPS15P5,RP	3109	1	28	11	4.28E-05	0.0001366	-1.673515	0.0988211	0.3728981	1.6373534	0.9577867	39	0	0	7	1	1	1	1	0	1	4	0	0	1	0	3	0	0	2	0	0	0	0	0	4	2	0	0	4	0	7
ENSP00000269221,ENS	ENSG00000141452	C18orf8	1915	457	23	9	3.52E-05	0.0001118	-1.667801	0.0020578	0.0548351	0.9036787	0	32	0	0	0	2	1	2	1	0	1	0	1	1	2	1	0	1	0	0	1	1	0	1	3	1	1	1	1	3	3	3
ENSP00000310590,ENS	ENSG00000055483	USP36	4860	1	18	7	2.75E-05	8.69E-05	-1.658868	0.0535541	0.290797	1.315587	0.2474358	25	0	1	0	0	0	0	0	2	1	0	0	2	1	2	0	1	0	0	1	2	0	0	1	0	0	1	3	2	3	2
ENSP00000247970	ENSG00000127445	PIN1	1333	312	18	7	2.75E-05	8.69E-05	-1.658868	0.0061396	0.1017483	1.0190493	0.6546537	25	2	0	0	0	1	0	0	1	0	2	0	1	1	1	0	1	1	1	0	0	0	1	1	1	2	0	1	4	1	2
ENSP00000362546,ENS	ENSG00000101407	KIAA0406	665	1	18	7	2.75E-05	8.69E-05	-1.658868	0.0235173	0.2023385	1.2480754	0.6546537	25	1	0	1	2	2	0	0	1	0	1	1	1	0	3	1	2	1	0	1	0	0	0	0	0	0	0	0	1	2	4
ENSP00000369465	ENSG00000086712	CXorf15	2777	1	49	19	7.50E-05	0.000236	-1.654656	0.0001819	0.0112847	0.7174186	0.3286841	68	6	3	1	2	2	1	1	3	1	2	2	1	3	2	2	4	3	2	1	0	2	1	0	1	2	0	1	8	4	7
ENSP00000258201	ENSG00000135723	FHOD1	771	1	31	12	4.74E-05	0.000149	-1.652204	0.0056671	0.0979699	1.0447063	0.4330127	43	4	2	3	1	0	0	1	1	1	1	2	2	2	1	0	2	0	0	0	0	0	1	4	2	0	0	1	3	6	3
ENSP00000268835,ENS	ENSG00000141127	PRPSAP2	2696	1	31	12	4.74E-05	0.000149	-1.652204	0.0064958	0.1049804	1.0722704	0.6614378	43	2	0	2	0	2	0	3	1	2	1	3	2	0	2	2	0	0	0	0	0	1	4	3	1	0	0	0	7	2	3
ENSP00000263791,ENS	ENSG00000128829	EIF2AK4	622	1	31	12	4.74E-05	0.000149	-1.652204	0.0190201	0.1859462	1.2714501	0.4330127	43	2	3	0	0	0	0	2	1	0	2	3	0	5	4	1	0	0	0	3	1	2	0	2	0	0	0	0	6	3	3
ENSP00000360718	ENSG00000169213	RAB3B	5399	1	26	10	3.98E-05	0.0001242	-1.642927	0.0781988	0.3415367	1.5370926	0.1732051	36	2	3	3	0	0	0	0	0	0	1	5	4	0	0	1	0	0	0	0	0	0	0	0	0	2	3	2	3	4	3
ENSP00000251160,ENS	ENSG00000117543	DPH5	161	1	13	5	1.99E-05	6.21E-05	-1.642927	0.0494948	0.2813768	1.3349065	0.9165151	18	0	1	2	0	0	0	1	0	1	2	0	1	0	0	1	0	0	1	0	0	0	1	1	1	0	0	0	3	0	2
ENSP00000362250_rs8:	ENSG00000106992	AK1	2396	1	26	10	3.98E-05	0.0001242	-1.642927	0.0390113	0.2528166	1.4538884	0.7549834	36	1	1	0	0	0	1	0	0	0	0	0	1	0	2	1	1	3	0	3	1	1	6	0	3	1	0	0	6	1	3
ENSP00000318986,ENS	ENSG00000178694	NSUN3	508	117	13	5	1.99E-05	6.21E-05	-1.642927	0.0479785	0.2783082	1.4538884	0.6928203	18	0	1	1	0	0	1	0	0	1	0	2	2	0	0	1	0	0	1	2	0	0	0	0	1	0	0	0	3	1	1
ENSP00000264033,ENS	ENSG00000110395	CBL	5495	1	21	8	3.21E-05	9.94E-05	-1.629121	0.0243954	0.2043754	1.2523134	0.2165064	29	2	2	0	1	1	0	1	0	1	3	3	1	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	2	3	3
ENSP00000258531_R34	ENSG00000136045	PWP1	6285	1	21	8	3.21E-05	9.94E-05	-1.629121	0.0280002	0.2158631	1.3963397	0.572822	29	4	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	2	3	0	0	2	1	2	2	0	1	4	1	3
ENSP00000369500	ENSG00000169895	SYAP1	4644	1	37	14	5.66E-05	0.0001739	-1.61934	0.0002058	0.012295	0.7054162	0.6546537	51	3	1	2	1	3	2	1	2	0	1	2	1	1	3	1	3	1	1	0	1	0	2	2	0	2	1	0	8	2	4
ENSP00000363880,ENS	ENSG00000108094	CUL2	2001	128	45	17	6.88E-05	0.0002111	-1.617048	0.0108858	0.1358226	1.1529227	0.5672736	62	6	1	5	0	0	2	0	0	1	2	4	4	3	6	1	3	0	0	2	0	0	2	0	1	2	0	0	8	2	7
ENSP00000361892,ENS	ENSG00000101109	STK4	1163	1	53	20	8.11E-05	0.0002484	-1.615446	0.0036758	0.0790115	0.8650169	0.3774917	73	5	3	2	5	2	5	4	1	1	2	2	2	4	0	0	5	2	0	0	0	1	2	1	0	1	1	2	4	7	9
ENSP00000360682,ENS	ENSG00000148362	C9orf142	1578	372	69	26	0.0001055	0.0003229	-1.613354	1.06E-05	0.0016805	0.587792	0.2903782	95	3	0	1	4	4	4	3	1	1	4	2	4	4	3	2	3	1	3	4	1	3	6	3	3	1	0	1	9	11	6
ENSP00000239690	ENSG00000120526	NUDCD1	2186	1	88	33	0.0001346	0.0004099	-1.606401	4.23E-05	0.0041378	0.6839129	0	121	5	0	3	3	2	3	3	0	4	2	11	4	3	6	2	5	4	3	4	0	3	4	5	3	4	0	2	11	11	11
ENSP00000341363,ENS	ENSG00000188343		3848	1	16	6	2.45E-05	7.45E-05	-1.606401	0.0987785	0.3728981	1.767342	0.5	22	1	0	1	0	0	0	0	2	1	1	0	2	0	0	0	0	0	0	3	0	1	0	0	0	4	0	0	3	1	2
ENSP00000356067	ENSG00000185068	GTF2H5	1076	263	8	3	1.22E-05	3.73E-05	-1.606401	0.1133399	0.3921991	1.5704605	0	11	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	1	1	1	1	1
rev_ENSP00000237364	rev	rev	2093	498	8	3	1.22E-05	3.73E-05	-1.606401	0.1163218	0.3966513	1.8282637	0	11	0	0	0	0	1	0	0	1	1	0	0	0	0	2	0	0	0	0	0	0	1	1	0	1	0	0	0	1	1	1
ENSP00000330393,ENS	ENSG00000116678	LEPR	1212	1	8	3	1.22E-05	3.73E-05	-1.606401	0.1345298	0.418722	1.8282637	0	11	0	0	2	0	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	1	1
ENSP00000233699,ENS	ENSG00000115350	POLE4	5026	1	8	3	1.22E-05	3.73E-05	-1.606401	0.1386421	0.4233207	1.8282637	1	11	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	1	0	1	0	0	0	0	2	0	0	1	0	2
ENSP00000239367,ENS	ENSG00000120256	LRP11	2876	1	8	3	1.22E-05	3.73E-05	-1.606401	0.142871	0.4285995	1.8282637	1	11	0	0	0	0	0	1	0	0	1	1	0	1	2	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	1
ENSP00000379458	ENSG00000083828	ZNF586	5673	1216	8	3	1.22E-05	3.73E-05	-1.606401	0.1431955	0.4288659	2.0539596	0	11	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	2	0	0	1	0	0	2	0	0	0	0	0	1	1	1
ENSP00000313274,ENS	ENSG00000165675	ENOX2	3781	1	8	3	1.22E-05	3.73E-05	-1.606401	0.1553072	0.4456017	1.8282637	1	11	0	0	1	0	0	0	0	1	2	1	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	2	1	0
ENSP00000359588,ENS	ENSG00000101974	ATP11C	4888	1	8	3	1.22E-05	3.73E-05	-1.606401	0.1602556	0.4524078	2.0539596	1	11	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	2	0	0	0	0	0	2	0	1	0	2	1
rev_ENSP00000353089	rev	rev	6141	1	8	3	1.22E-05	3.73E-05	-1.606401	0.1762148	0.4709425	1.8282637	1	11	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	1	0	1	0	0	1	0	1	2	0
ENSP00000295571,ENS	ENSG00000163378	C3orf64	1870	445	8	3	1.22E-05	3.73E-05	-1.606401	0.1758809	0.4705956	2.2572	0	11	2	0	0	1	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	2	0	0	0	0	1	1	1
ENSP00000301686	ENSG00000130731	C16orf13	5264	1140	24	9	3.67E-05	0.0001118	-1.606401	0.0027202	0.0639585	0.9007209	0.3333333	33	0	1	0	1	1	0	0	2	2	1	1	1	1	2	1	1	1	0	1	1	0	3	2	1	0	0	0	2	4	3
ENSP00000260130,ENS	ENSG00000137575	SDCBP	1252	1	8	3	1.22E-05	3.73E-05	-1.606401	0.1992928	0.4957961	2.0539596	0	11	0	2	2	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	1	1
ENSP00000357597_529	ENSG00000189241	TSPYL1	5153	1116	8	3	1.22E-05	3.73E-05	-1.606401	0.2407098	0.5443644	2.2572	0	11	0	2	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1
ENSP00000325398,ENS	ENSG00000144034	TPRKB	694	161	8	3	1.22E-05	3.73E-05	-1.606401	0.2796114	0.5836888	2.6167453	1	11	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	3	0	0	1	0	2
ENSP00000355885,ENS	ENSG00000116141	MARK1	5151	1	16	6	2.45E-05	7.45E-05	-1.606401	0.0164612	0.1729222	1.0733328	0.5	22	0	0	1	0	0	1	0	0	2	1	0	0	1	1	1	1	1	2	0	1	0	1	1	1	0	0	0	3	2	1
ENSP00000262650,ENS	ENSG00000078747	ITCH	5455	1	16	6	2.45E-05	7.45E-05	-1.606401	0.0317575	0.2316196	1.3450631	0	22	1	1	1	0	1	0	0	0	1	2	0	2	1	0	1	0	0	0	0	0	0	1	3	0	1	0	0	2	2	2
rev_ENSP00000371463	rev	rev	6215	1324	8	3	1.22E-05	3.73E-05	-1.606401	0.0843083	0.3529686	1.5704605	1	11	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	1	0	0	1	0	1	2	1	0
ENSP00000216027	ENSG00000100209	HSCB	4836	489	16	6	2.45E-05	7.45E-05	-1.606401	0.0651005	0.3201457	1.4241647	0.5	22	0	0	0	1	0	0	1	0	0	1	2	1	2	0	2	1	0	0	0	3	0	1	0	0	0	1	0	3	1	2
ENSP00000304161,ENS	ENSG00000172175	MALT1	1555	1	35	13	5.35E-05	0.0001615	-1.592595	0.0521574	0.2869916	1.3329775	0.9607689	48	1	0	3	2	0	1	0	1	1	6	4	6	2	0	2	0	0	1	0	0	0	2	0	0	2	0	1	9	1	3
ENSP00000296792	ENSG00000164338	UTP15	4122	1	27	10	4.13E-05	0.0001242	-1.588479	0.0165669	0.1730449	1.1435437	0.4582576	37	2	0	0	0	0	0	3	0	1	1	0	1	1	1	1	1	0	1	2	1	2	0	1	2	5	1	0	5	2	3
ENSP00000252530,ENS	ENSG00000130244	FAM98C	2401	1	19	7	2.91E-05	8.69E-05	-1.580866	0.1208719	0.4032866	1.9233667	0.8921426	26	0	0	0	0	0	2	1	0	0	0	1	0	1	1	0	1	0	0	1	0	0	5	5	0	0	0	1	3	4	0
ENSP00000341324	ENSG00000151304	SRFBP1	5104	1	38	14	5.81E-05	0.0001739	-1.580866	0.0037889	0.0794442	0.8420736	0.2474358	52	1	2	1	2	1	1	1	4	1	0	0	1	5	1	1	3	1	1	2	2	1	1	0	0	3	1	1	4	6	4
ENSP00000328228,ENS	ENSG00000184661	CDCA2	3434	1	19	7	2.91E-05	8.69E-05	-1.580866	0.0126702	0.1508617	0.8648251	0.9897433	26	1	1	2	0	1	1	2	1	1	1	0	1	1	1	0	0	0	0	1	0	0	0	1	1	1	0	1	1	5	1
ENSP00000281141,ENS	ENSG00000151465	CDC123	4011	905	19	7	2.91E-05	8.69E-05	-1.580866	0.0198381	0.1885647	1.1017875	0.2474358	26	1	1	1	1	0	0	1	0	2	1	0	3	1	1	2	1	1	1	0	0	0	0	0	0	0	0	1	3	2	2
ENSP00000373684	ENSG00000211455	STK38L	3655	826	19	7	2.91E-05	8.69E-05	-1.580866	0.0645673	0.3195494	1.4108949	0.6546537	26	0	1	0	4	3	1	1	0	0	0	1	1	1	0	0	2	1	0	1	1	0	0	1	0	0	0	0	4	2	1
ENSP00000314787,ENS	ENSG00000116584	ARHGEF2	4785	1	106	39	0.0001621	0.0004844	-1.57892	6.46E-06	0.0012025	0.4991709	0.4070387	145	3	2	0	5	3	5	2	1	4	7	5	5	3	7	5	5	6	4	6	5	4	5	1	3	6	0	4	19	9	11
ENSP00000238256,ENS	ENSG00000119321	FKBP15	4322	1	71	26	0.0001086	0.0003229	-1.572131	0.0002682	0.0145589	0.6599171	0.2401922	97	3	1	0	5	4	4	3	1	3	1	3	1	8	5	1	3	3	1	3	4	2	2	2	4	1	1	2	7	8	11
ENSP00000189444,ENS	ENSG00000077150	NFKB2	4503	1	41	15	6.27E-05	0.0001863	-1.570777	0.0445717	0.2697105	1.3467574	0.7211103	56	2	1	0	0	0	0	0	2	1	6	8	5	2	4	3	1	1	0	1	0	1	1	1	1	0	0	0	9	2	4
ENSP00000356785,ENS	ENSG00000143156	NME7	1842	1	11	4	1.68E-05	4.97E-05	-1.562007	0.1337665	0.418722	1.8341952	0.4330127	15	1	0	0	2	0	0	1	1	1	1	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	1
ENSP00000005558,ENS	ENSG00000006652	IFRD1	5521	1	11	4	1.68E-05	4.97E-05	-1.562007	0.1487535	0.436214	1.5612113	0.4330127	15	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	1	2	0	1	2	1
ENSP00000359665,ENS	ENSG00000043822	PI4K2A	120	1	11	4	1.68E-05	4.97E-05	-1.562007	0.1659996	0.4584788	1.7031813	1.1456439	15	0	0	1	1	1	0	0	0	0	3	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1	1	1	0	3
ENSP00000335106,ENS	ENSG00000186625	KATNA1	76	1	22	8	3.37E-05	9.94E-05	-1.562007	0.0108549	0.1358226	1.1308257	0.2165064	30	3	1	2	1	0	1	0	0	1	0	0	1	1	0	1	1	0	2	2	0	0	3	1	0	1	0	0	2	3	3
ENSP00000254806	ENSG00000132471	WBP2	3867	875	11	4	1.68E-05	4.97E-05	-1.562007	0.0336789	0.237454	1.2290197	0.4330127	15	1	1	0	1	1	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0	1	2	1	1
ENSP00000370395,ENS	ENSG00000197860	SGTB	6347	1	22	8	3.37E-05	9.94E-05	-1.562007	0.0213327	0.1966791	1.1308257	0.4330127	30	0	1	0	0	0	1	0	0	2	3	3	2	1	2	0	1	1	1	0	1	1	0	1	1	0	0	0	4	2	2
ENSP00000350781,ENS	ENSG00000181090	EHMT1	1401	327	11	4	1.68E-05	4.97E-05	-1.562007	0.0427641	0.2661149	1.2290197	0.8660254	15	1	0	0	1	1	1	0	0	0	0	1	0	1	1	1	0	0	0	0	0	1	0	0	1	0	0	1	2	2	0
ENSP00000306123_rs8(	ENSG00000103932	RPAP1	2628	615	11	4	1.68E-05	4.97E-05	-1.562007	0.0393474	0.2533377	1.2290197	0.4330127	15	1	1	1	0	1	1	1	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0	2	1	1
ENSP00000263663_rs1(	ENSG00000115750	TAF1B	4064	1	11	4	1.68E-05	4.97E-05	-1.562007	0.0613973	0.3133682	1.404968	0.4330127	15	1	0	0	0	0	0	0	0	1	1	0	2	1	0	0	1	0	0	0	0	0	1	1	1	0	0	1	1	1	2
ENSP00000263036_rs5:	ENSG00000123240	OPTN	6187	1	22	8	3.37E-05	9.94E-05	-1.562007	0.0548276	0.2941451	1.3631118	0.572822	30	2	4	0	0	2	0	1	2	0	0	2	1	1	0	2	0	0	0	3	1	0	1	0	0	0	0	0	3	1	4
ENSP00000320251,ENS	ENSG00000163608	C3orf17	5718	1	11	4	1.68E-05	4.97E-05	-1.562007	0.0916476	0.3650501	1.5612113	0.8660254	15	0	0	0	2	0	0	0	0	1	0	1	1	1	0	0	1	0	0	0	1	1	2	0	0	0	0	0	2	2	0
ENSP00000358099	ENSG00000148908	RGS10	1104	266	25	9	3.82E-05	0.0001118	-1.547507	0.0025455	0.0616324	0.8432903	0.3333333	34	0	0	1	0	2	1	1	1	2	1	1	2	1	1	3	0	0	1	1	1	1	1	2	0	1	0	0	4	3	2
rev_ENSP00000323856	rev	rev	3884	1	14	5	2.14E-05	6.21E-05	-1.536011	0.048027	0.2783082	1.2395561	0.3464102	19	1	2	0	1	0	0	0	0	2	0	1	1	0	0	1	1	1	0	0	0	0	0	0	1	1	0	1	2	1	2
ENSP00000251810_V11	ENSG00000048392	RRM2B	3535	1	31	11	4.74E-05	0.0001366	-1.526674	0.0185127	0.1846449	1.0991436	0.1574592	42	3	0	0	4	0	0	3	1	1	2	2	1	3	1	2	2	0	1	0	0	0	3	2	0	0	0	0	3	4	4
ENSP00000315558	ENSG00000141994	DUS3L	3589	1	17	6	2.60E-05	7.45E-05	-1.518938	0.0059806	0.1009114	0.8971608	0.5	23	0	1	0	1	1	1	0	0	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0	2	0	0	1	2	3
ENSP00000356134	ENSG00000029639	TFB1M	4285	952	17	6	2.60E-05	7.45E-05	-1.518938	0.0246016	0.2043754	1.0922331	0.5	23	1	0	1	0	1	0	1	0	1	2	0	1	0	0	0	1	0	0	2	1	1	0	0	0	2	1	1	3	2	1
ENSP00000239690_rs2!	ENSG00000120526	NUDCD1	2187	1	88	31	0.0001346	0.000385	-1.516203	0.0001184	0.0083826	0.6839129	0.0558726	119	5	0	3	3	2	3	3	0	4	2	11	4	3	6	2	5	4	3	4	0	3	4	5	3	4	0	2	10	11	10
ENSP00000305161,ENS	ENSG00000169871	TRIM56	575	1	37	13	5.66E-05	0.0001615	-1.512425	0.012777	0.151178	0.862197	0.1332347	50	1	2	0	2	2	0	1	1	0	0	2	0	4	2	0	2	2	0	1	2	2	2	3	1	0	4	1	4	5	4

ENSP00000272091,ENS	ENSG00000143751	C1orf55	1314	1	20	7	3.06E-05	8.69E-05	-1.506865	0.1114428	0.3896456	1.5704605	0.2474358	27	0	0	1	0	1	0	1	2	0	0	0	0	4	1	0	0	0	0	2	4	0	2	0	0	1	0	1	2	3	2
ENSP00000259339,ENS	ENSG00000136816	TOR1B	592	1	40	14	6.12E-05	0.0001739	-1.506865	0.0019741	0.0537964	0.7574629	0.2474358	54	2	2	1	1	3	2	2	1	2	1	1	2	2	3	1	5	2	2	0	2	0	0	0	0	1	1	1	4	6	4
ENSP00000261245,ENS	ENSG00000020426	MNAT1	2633	1	20	7	3.06E-05	8.69E-05	-1.506865	0.0490112	0.2809949	1.1596584	0.8921426	27	1	3	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	0	2	3	0	0	1	0	1	1	0	4	3	0
ENSP00000253577,ENS	ENSG00000131269	ABCB7	6023	1279	20	7	3.06E-05	8.69E-05	-1.506865	0.04602	0.2742253	1.1596584	1.0785478	27	1	0	1	0	1	1	0	0	2	0	0	0	0	1	2	0	0	1	1	1	1	0	0	2	3	0	2	5	0	2
ENSP00000215909,ENS	ENSG00000100097	LGALS1	1327	1	129	45	0.0001973	0.0005589	-1.502064	0.0926761	0.3653629	1.4883162	0.1154701	174	0	0	0	7	14	9	0	0	0	14	24	18	4	2	0	1	0	0	0	0	0	0	0	0	14	6	16	16	16	13
ENSP00000244230,ENS	ENSG00000124383	MPHOSPH1	688	1	66	23	0.000101	0.0002857	-1.500606	0.003142	0.0701371	0.7969267	0.4192892	89	2	2	2	0	0	1	2	1	4	6	1	1	2	2	4	1	2	2	2	3	4	3	4	0	9	2	4	10	4	9
ENSP00000256398	ENSG00000134014	ELP3	4630	1	23	8	3.52E-05	9.94E-05	-1.497876	0.0207573	0.1931316	1.0652003	0.4330127	31	3	0	0	0	1	1	2	0	2	3	1	1	1	0	1	0	0	0	1	0	1	1	2	1	0	0	1	2	4	2
ENSP00000360656	ENSG00000134717	BTF3L4	4663	1	23	8	3.52E-05	9.94E-05	-1.497876	0.07491	0.3364753	1.3306708	1.1456439	31	0	0	2	1	0	0	2	0	1	2	1	0	0	1	1	1	0	4	1	0	0	1	0	1	4	0	0	6	0	2
ENSP00000358851	ENSG00000168765	GSTM4	5448	25	26	9	3.98E-05	0.0001118	-1.490924	0.0070742	0.1097169	0.7877938	0.5773503	35	2	1	2	2	1	0	0	2	0	1	2	0	1	1	1	1	0	1	1	0	1	1	2	1	0	2	0	4	4	1
ENSP00000241502	ENSG00000122068	FYTTD1	1439	1	26	9	3.98E-05	0.0001118	-1.490924	0.0296879	0.2235343	1.1332481	0.6666667	35	0	0	0	1	0	2	0	0	1	2	0	1	0	0	1	2	0	2	3	0	2	1	1	1	4	0	2	5	1	3
ENSP00000297933,ENS	ENSG00000165219	GAPVD1	5158	1	152	52	0.0002325	0.0006458	-1.47395	0.0002289	0.0130788	0.6703601	0.1762529	204	11	6	7	11	5	6	4	1	6	4	6	7	13	14	10	4	6	6	4	0	1	7	6	5	0	0	2	20	18	14
ENSP00000267202,ENS	ENSG00000139722	VPS37B	1056	254	38	13	5.81E-05	0.0001615	-1.47395	0.0028455	0.0657198	0.7697952	0.2664694	51	1	0	2	2	2	3	0	1	0	1	4	2	2	1	1	2	3	2	1	0	2	2	2	2	0	0	0	5	3	5
ENSP00000319975,ENS	ENSG00000175470	PPP2R2D	930	1	38	13	5.81E-05	0.0001615	-1.47395	0.0172707	0.178355	0.929745	0.8736782	51	0	0	2	2	0	3	1	1	4	1	0	2	0	1	4	1	0	2	4	1	1	2	0	2	3	1	0	6	0	7
ENSP00000262477	ENSG00000029725	RABEP1	4465	1	41	14	6.27E-05	0.0001739	-1.471241	0.0004764	0.0222976	0.6158792	0.4460713	55	2	0	1	2	3	1	2	3	2	2	1	2	3	1	2	0	1	1	2	1	3	2	2	0	1	0	1	7	4	3
ENSP00000333551,ENS	ENSG00000147471	PROSC	1585	373	41	14	6.27E-05	0.0001739	-1.471241	0.0115817	0.1415832	1.0391591	0.6185896	55	2	1	1	1	0	2	2	0	1	3	3	2	0	0	0	0	0	1	1	1	2	5	6	2	4	0	1	8	3	3
ENSP00000365522_K20	ENSG00000165118	C9orf64	706	1	103	35	0.0001575	0.0004347	-1.464221	0.0020245	0.0547124	0.7486583	0.4050699	138	7	2	3	9	9	6	6	2	8	0	0	0	4	7	8	5	2	3	1	1	3	3	3	2	5	0	4	17	8	10
ENSP00000198765_rs4:	ENSG00000085719	CPNE3	2932	1	92	31	0.0001407	0.000385	-1.452073	0.0001399	0.0091085	0.6422531	0.29565	123	3	4	4	3	2	2	4	1	3	7	8	6	5	8	4	2	1	2	3	0	2	6	3	2	5	0	2	13	7	11
rev_ENSP00000341856	rev	rev	2380	561	9	3	1.38E-05	3.73E-05	-1.436476	0.2562454	0.5598545	2.0380987	1.7320508	12	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3	0	0	0	1	0	3	0
ENSP00000356272_rs3:	ENSG00000155906	RMND1	743	177	36	12	5.51E-05	0.000149	-1.436476	0.0038977	0.0808468	0.75	0.6614378	48	1	1	2	0	0	0	2	1	1	1	2	1	4	2	1	1	1	0	1	2	1	2	4	2	1	1	1	3	7	2
ENSP00000335463,ENS	ENSG00000137812	CASC5	1790	1	18	6	2.75E-05	7.45E-05	-1.436476	0.1152325	0.3952129	1.2480754	1	24	1	0	0	2	0	0	2	1	2	0	0	0	0	2	0	0	0	1	0	1	1	0	0	2	0	2	1	0	4	2
ENSP00000218388,ENS	ENSG00000102265	TIMP1	2993	687	18	6	2.75E-05	7.45E-05	-1.436476	0.1324187	0.4183139	1.4411534	0.5	24	0	0	0	3	1	2	1	0	0	2	1	0	0	0	0	2	3	1	1	1	0	0	0	0	0	0	0	1	3	2
ENSP00000256646,ENS	ENSG00000134250	NOTCH2	748	1	21	7	3.21E-05	8.69E-05	-1.436476	0.1325167	0.4183139	1.6079668	0.2474358	28	1	0	1	1	0	0	1	2	0	0	0	0	2	4	5	0	0	0	0	1	0	0	1	0	0	1	1	2	2	3
ENSP00000249636	ENSG00000033800	PIAS1	6279	1069	12	4	1.84E-05	4.97E-05	-1.436476	0.152324	0.4409644	1.5704605	0.8660254	16	0	0	0	0	0	0	1	0	2	1	0	0	1	0	0	2	1	2	1	0	1	0	0	0	0	0	0	2	0	2
ENSP00000252593	ENSG00000130303	BST2	5753	1237	12	4	1.84E-05	4.97E-05	-1.436476	0.155221	0.4456017	1.5704605	0.4330127	16	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	2	1	0	0	0	0	0	0	1	2	1
ENSP00000356737,ENS	ENSG00000120370	GORAB	1549	1	15	5	2.29E-05	6.21E-05	-1.436476	0.155691	0.4462346	1.6048005	0.9165151	20	0	0	0	3	0	0	2	0	0	0	0	1	0	2	1	2	0	0	0	0	0	1	0	2	1	0	0	2	3	0
rev_ENSP00000325863	rev	rev	5901	1	12	4	1.84E-05	4.97E-05	-1.436476	0.1766473	0.4714801	1.5704605	0.8660254	16	0	0	0	1	0	0	0	2	0	0	0	1	0	0	1	0	2	2	1	0	0	0	1	1	0	0	0	2	2	0
ENSP00000298292,ENS	ENSG00000165506	C14orf104	309	72	9	3	1.38E-05	3.73E-05	-1.436476	0.1832084	0.4810987	2.0380987	0	12	3	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1
ENSP00000341874	ENSG00000101782	RIOK3	4978	1079	9	3	1.38E-05	3.73E-05	-1.436476	0.1847014	0.4833106	1.860521	1	12	1	0	0	0	0	0	0	0	0	0	2	1	1	0	2	0	0	0	0	0	0	0	0	1	1	0	0	2	1	0
ENSP00000328973,ENS	ENSG00000100300	TSPO	5791	1243	9	3	1.38E-05	3.73E-05	-1.436476	0.1864761	0.4839725	1.860521	1	12	0	0	0	0	0	1	0	0	1	0	1	0	1	0	0	2	0	1	0	0	0	2	0	0	0	0	0	0	1	2
ENSP00000258417	ENSG00000135931	ARMC9	3784	1	9	3	1.38E-05	3.73E-05	-1.436476	0.1923379	0.4885683	1.6641006	1	12	0	0	0	0	0	0	0	2	0	0	1	0	0	1	0	0	0	0	1	1	0	1	1	0	0	1	0	2	1	0
rev_ENSP00000234420	rev	rev	1595	1	9	3	1.38E-05	3.73E-05	-1.436476	0.1936146	0.4893332	1.6641006	1.7320508	12	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	1	1	1	0	1	0	0	0	0	1	0	0	3	0	0
ENSP00000259751,ENS	ENSG00000137221		1349	317	9	3	1.38E-05	3.73E-05	-1.436476	0.1988332	0.4954095	1.6641006	1	12	1	1	0	0	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	2	1	0
ENSP00000362850,ENS	ENSG00000149636	DSN1	3395	1	9	3	1.38E-05	3.73E-05	-1.436476	0.2045039	0.5017125	1.860521	1	12	0	0	0	1	2	0	1	0	1	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2
ENSP00000290524,ENS	ENSG00000143390	RFX5	3256	740	9	3	1.38E-05	3.73E-05	-1.436476	0.2054938	0.5030597	1.860521	1	12	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	2	2	0	0	0	0	0	0	1	0	2
ENSP00000281543,ENS	ENSG00000151806	GUF1	1841	438	9	3	1.38E-05	3.73E-05	-1.436476	0.2095818	0.5078147	1.860521	1	12	0	0	0	1	2	2	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	2	1
ENSP00000262161,ENS	ENSG00000078043	PIAS2	4918	1069	9	3	1.38E-05	3.73E-05	-1.436476	0.2047621	0.5019252	1.860521	1	12	0	0	0	0	0	0	1	0	1	1	0	1	2	0	0	2	0	0	0	0	1	0	0	0	0	0	0	2	0	1
ENSP00000315013,ENS	ENSG00000095321	CRAT	5588	549	72	24	0.0001101	0.0002981	-1.436476	0.0048876	0.0909515	0.8639411	0.125	96	1	1	1	1	1	1	4	2	2	0	1	0	8	7	7	7	2	4	4	2	1	3	3	4	3	0	2	9	7	8
ENSP00000371101,ENS	ENSG00000115761	NOL10	5944	1	48	16	7.34E-05	0.0001987	-1.436476	0.006888	0.1083614	0.7535971	0.7806247	64	2	4	0	1	0	1	2	1	3	2	2	5	2	2	2	1	0	1	3	3	1	2	0	0	4	3	1	10	4	2
ENSP00000250066_P89	ENSG00000129204	USP6	6043	1	9	3	1.38E-05	3.73E-05	-1.436476	0.2500828	0.5518594	1.860521	0	12	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	2	0	0	0	2	0	1	1	1
ENSP00000264724,ENS	ENSG00000047849	MAP4	5537	1	9	3	1.38E-05	3.73E-05	-1.436476	0.2670571	0.5722343	2.2013982	1	12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	1	2	0	0	0	1	0	1	1	2	0
ENSP00000243067,ENS	ENSG00000123374	CDK2	4773	1	24	8	3.67E-05	9.94E-05	-1.436476	0.0060989	0.1014733	0.9007209	0.2165064	32	3	1	1	2	0	1	0	0	1	1	1	1	1	0	0	2	0	1	1	1	1	2	0	0	2	0	1	2	3	3
ENSP00000265368_rs2:	ENSG00000131018	SYNE1	3215	1	12	4	1.84E-05	4.97E-05	-1.436476	0.258759	0.5619883	2.3625687	0.4330127	16	2	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	2	1	1
ENSP00000216968,ENS	ENSG00000101000	PROCR	303	71	24	8	3.67E-05	9.94E-05	-1.436476	0.0146959	0.1630566	0.9007209	0.4330127	32	0	0	1	1	0	1	2	0	2	1	1	1	2	1	1	3	1	1	1	2	0	1	1	0	0	0	0	2	2	4
ENSP00000295006_rs2!	ENSG00000162909	CAPN2	821	1	204	68	0.000312	0.0008446	-1.436476	3.60E-05	0.0038552	0.4804883	0.4193111	272	8	5	5	8	11	8	11	4	6	19	9	12	7	7	11	7	5	8	12	2	5	3	5	5	11	4	6	32	13	23
ENSP00000295006_rs2!	ENSG00000162909	CAPN2	822	1	204	68	0.000312	0.0008446	-1.436476	3.60E-05	0.0038552	0.4804883	0.4193111	272	8	5	5	8	11	8	11	4	6	19	9	12	7	7	11	7	5	8	12	2	5	3	5	5	11	4	6	32	13	23
ENSP00000219204,ENS	ENSG00000102931	ARL2BP	4804	1	12	4	1.84E-05	4.97E-05	-1.436476	0.0625462	0.3138222	1.2990381	0.8660254	16	2	0	1	1	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	2	0	2
ENSP00000361496	ENSG00000147224	PRPS1L1,PR	1724	1	18	6	2.75E-05	7.45E-05	-1.436476	0.0427794	0.2661149	1.2480754	0.5	24	0	0	0	1	0	0	0	0	0	1	0	2	2	1	2	1	0	1	2	1	0	2	0	0	2	0	0	3	1	2
ENSP00000199320	ENSG00000086189	DIMT1L	4368	959	45	15	6.88E-05	0.0001863	-1.436476	6.05E-05	0.0056299	0.4992302	0.2	60	3	3	1	2	2	1	2	2	1	1	3	1	2	3	2	1	1	1	2	3	2	1	1	1	1	2	0	6	5	4
ENSP00000262210,ENS	ENSG00000104218	CSPP1	5049	1	12	4	1.84E-05	4.97E-05	-1.436476	0.0893573	0.3614923	1.2990381	0.8660254	16	0	0	0	1	1	0	0	0	2	1	0	1	0	0	1	1	1	0	0	0	0	1	1	0	0	0	1	2	0	2
ENSP00000352911	ENSG00000198585	NUDT16	5660	1	18	6	2.75E-05	7.45E-05	-1.436476	0.0737829	0.3344967	1.3797993	0.5	24	1	1	0	2	1	1	1	1	0	0	0	0	1	4	0	1	0	1	0	0	0	0	2	0	0	0	1	1	2	3
ENSP00000325941,ENS	ENSG00000177963	RIC8A	159	1	63	21	9.64E-05	0.0002608	-1.436476	0.0003952	0.0192079	0.5315774	0.4948717	84	3	2	4	3	2	2	1	2	5	3	1	1	2	2	5	1	3	4	1	1	2	4	2	2	1	1	3	9	3	9
ENSP00000338868,ENS	ENSG00000172943	PHF8	66	1	18	6	2.75E-05	7.45E-05	-1.436476	0.0688709	0.3280635	1.2480754	0	24	0	0	1	0	0	0	0	0	1	0	1	0	2	0	1	1	1	1	1	3	2	0	0	0	2	0	1	2	2	2
ENSP00000357218,ENS	ENSG00000163382	APOA1BP	2761	642	21	7	3.21E-05	8.69E-05	-1.436476	0.0674747	0.324806	1.3500392	0.6546537	28	1	0	2	0	0	3	0	0	0	0	0	2	1	0	1	1	0	1	0	0	0	3	3	2	1	0	0	4	2	1
ENSP00000318804,ENS	ENSG00000176390	CRLF3	729	172	27	9	4.13E-05	0.0001118	-1.436476	0.0827313	0.3499246	1.3867505	0.5773503	36	2	1	0	2	1	1	0	0	0	0	2	5	5	0	0	1	0	2	1	1	0	1	2	0	0	0	0	2	5	2
rev_ENSP00000359000	rev	rev	4053	1	12	4	1.84E-05	4.97E-05	-1.436476	0.1097365	0.3874385	1.2990381	1.1456439	16	0	1	1	0	0	1	0	0	1	0	1	1	0	0	1	1	2	1	0	1	0	0	0	0	0	0	0	3	0	1
rev_ENSP00000363827	rev	rev	964	228	12	4	1.84E-05	4.97E-05	-1.436476	0.0996937	0.3738083	1.4411534	0.4330127	16	0	0	1	0	0	0	0	0	0	1	1	0	1	1	0	1	1	2	0	0	0	0	2	1	0	0	0	1	2	1
ENSP00000033079,ENS	ENSG00000031003	FAM13B	3751	1	12	4	1.84E-05	4.97E-05	-1.436476	0.0838262	0.3520051	1.2990381	0.4330127	16	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	2	0	1	0	1	1	1	1	1	2	1	1
ENSP00000277632	ENSG00000148481	C10orf97	5899	1257	9	3	1.38E-05	3.73E-05	-1.436476	0.1377216	0.422012	1.4411534	1	12	1	1	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0	1	0	1	0	1	0	0	1	2
ENSP00000300896,ENS	ENSG00000170832	USP32	6108	1	12	4	1.84E-05	4.97E-05	-1.436476	0.1176684	0.3985305	1.4411534	0.8660254	16	1	2	0	1	2	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	2	2
ENSP00000330685,ENS	ENSG00000123472	ATPAF1	4610	1	9	3	1.38E-05	3.73E-05	-1.436476	0.1426132	0.4284945	1.6641006	0	12	1	0	0	0	0	0	1	0	0	2	0	0	1	1	0	0	0	0	1	1	0	1	0	0	0	0	0	1	1	1
ENSP00000374159	ENSG00000135631	RAB11FIP5	38	1	12	4	1.84E-05	4.97E-05	-1.436476	0.1161636	0.3963755	1.5704605	0.4330127	16	0	1	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	1	0	0	2	2	1	0	1	0	0	2	1	1
ENSP00000316454,ENS	ENSG00000175115	PACS1	2095	1	12	4	1.84E-05	4.97E-05	-1.436476	0.1077338	0.383813	1.4411534	0.4330127	16	1	0	2	0	0	0	0	1	1	0	2	1	0	1	0	1	0	0	0	0	1	0	0	0	0	1	0	2	1	1
rev_ENSP00000349629	rev	rev	2298	547	9	3	1.38E-05	3.73E-05	-1.436476	0.1324221	0.4183139	1.4411534	1	12	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	1	2	0	1
ENSP00000278968,ENS	ENSG00000149591	TAGLN	4125	1	114	38	0.0001744	0.000472	-1.436476	0.3075856	0.6126316	2.4817038	0.1986799	152	41	37	15	0	0	0	0	0	1	2	2	5	1	4	2	0	0	0	2	1	0	0	0	0	1	0	0	13	15	10
ENSP00000287156,ENS	ENSG00000156587	UBE2L6	1568	1	12	4	1.84E-05	4.97E-05	-1.436476	0.1115153	0.3896456	1.4411534	0.4330127	16	0	0	0	2	1	1	1	0	1	0	0	0	1	0	1	2	1	0	0	1	0	0	0	0	0	0	0	2	1	1
ENSP00000306718,ENS	ENSG00000196284	SUPT3H	1012	242	9	3	1.38E-05	3.73E-05	-1.436476	0.1587843	0.4500894	1.6641006	1	12	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	2	0	0	1	0	2
ENSP00000196371	ENSG00000083720	OXCT1	3282	1	130	43	0.0001988	0.0005341	-1.425335	0.0037186	0.0790855	0.8466674	0.2819618	173	1	0	1	0	1	2	4	4	4	4	8	3	9	7	9	1	1	0	11	6	4	9	15	12	7	2	5	18	15	10
ENSP00000322909,ENS	ENSG00000115641	FHL2	6352	1	64	21	9.79E-05	0.0002608	-1.413756	0.0003706	0.0184545	0.6736615	0.3779645	85	5	3	1	1	2	0	3	2	2	2	7	1	2	5	1	2	2	2	4	1	2	3	5	1	2	1	2	6	10	5
ENSP00000275820,ENS	ENSG00000146909	NOM1	1135	1	55	18	8.41E-05	0.0002236	-1.410004	0.0132403	0.1534972	0.9182199	0.1666667	73	6	0	2	2	0	1	1	1	1	0	3	3	3	1	2	3	0	0	4	4	4	0	0	1	6	2	5	7	5	6
ENSP00000319139,ENS	ENSG00000034152	MAP2K3	5543	1	49	16	7.50E-05	0.0001987	-1.406728	0.0071488	0.1098123	0.7646936	0.4718647	65	2	3	3	2	1	1	0	0	1	3	1	2	1	1	3	3	1	4	2	0	2	3	2	6	1	1	0	5	3	8
ENSP00000224807,ENS	ENSG00000107819	SFXN3	2336	1	43	14	6.58E-05	0.0001739	-1.402528	0.002317	0.0589477	0.6576156	0.6888322	57	2	1	2	0	4	3	2	1	2	0	2	1	1	1	2	1	2	2	3	0	1	3	1	0	2	1	3	7	6	1
ENSP00000347359,ENS	ENSG00000047249	ATP6V1H	6178	1315	43	14	6.58E-05	0.0001739	-1.402528	0.0188413	0.1857516	0.9579719	0.5392739	57	3	0	4	1	0	2	0	0	2	0	0	2	0	1	5	4	1	3	0	0	2	3	2	2	4	1	1	5	2	7
ENSP00000376250,ENS	ENSG00000152492	CCDC50	6338	1	31	10	4.74E-05	0.0001242	-1.38917	0.0184362	0.1841644	0.9262832	0.4582576	41	1	2	1	0	1	0	0	2	0	1	5	0	1	2	1	1	2	1	1	2	2	2	1	1	0	1	0	3	5	2
ENSP00000358605,ENS	ENSG00000119953	SMNDC1	6500	1	59	19	9.02E-05	0.000236	-1.386723	6.75E-05	0.0058877	0.5537832	0.2411882	78	2	2	2	1	3	1	2	1	3	1	3	3	1	2	5	2	2	1	4	1	3	2	3	4	4	0	1	8	5	6
ENSP00000316242,ENS	ENSG00000111906	HDDC2	5214	1	28	9	4.28E-05	0.0001118	-1.384008	0.0196012	0.1872128	0.9448593	0.3333333	37	0	0	1	2	1	1	2	0	0	2	3	3	2	2	1	2	1	2	1	0	0	0	1	1	0	0	0	3	2	4
ENSP00000355388	ENSG00000196199	MPHOSPH8	5595	1	28	9	4.28E-05	0.0001118	-1.384008	0.0428606	0.2661518	0.9448593	0.6666667	37	0	0	1	1	1	1	0	0	0	1	0	0	1	1	0	1	1	2	3	2	3	0	2	1	2	3	1	5	1	3
ENSP00000297518,ENS	ENSG00000164885	CDK5	2239	539	28	9	4.28E-05	0.0001118	-1.384008	0.0495209	0.2813768	1.2395561	0.8819171	37	3	0	1	3	0	1	0	0	1	0	0	1	1	1	0	0	0	2	3	0	1	4	1	1	4	0	0	6	1	2
ENSP00000336871,ENS	ENSG00000104892	KLC3	4621	1	25	8	3.82E-05	9.94E-05	-1.377582	0.0237848	0.2035196	1.0344229	0.2165064	33	2	2	0	0	0	0	0	1	0	2	3	1	2	2	0	1	1	0	3	1	1	1	0	0	1	1	0	2	3	3
ENSP00000314544,ENS	ENSG00000146574	C7orf28B	6422	1	44	14	6.73E-05	0.0001739	-1.369362	0.0020972	0.0548351	0.640161	0.4460713	58	2	3	0	4	2	2	2	2	1	2	2	2	2	1	1	2	1	0	1	2	0	2	4	1	1	2	0	7	3	4
ENSP00000361475,ENS	ENSG00000107130	FREQ	3830	1	44	14	6.73E-05	0.0001739	-1.369362	0.0075198	0.1115635	0.800955	0.3273268	58	3	0	1	0	2	2	1	1	1	4	4	3	1	3	1	0	2	3	0	4	2	2	2	1	0	0	1	6	5	3
ENSP00000363779,ENS	ENSG00000070061	IKBKAP	4391	1	88	28	0.0001346	0.0003478	-1.369362	0.0077383	0.1127875	0.8661114	0.1636634	116	2	0	4	6	0	1	5	0	2	7	6	5	9	5	4	3	0	1	3	1	1	6	9	6	1	0	1	11	8	9
ENSP00000256680	ENSG00000134285	FKBP11	5243	1	66	21	0.000101	0.0002608	-1.369362	0.0290332	0.2206456	1.0542349	0.1428571	87	5	3	8	2	1	1	1	1	1	0	0	0	1	2	2	1	1	3	9	4	6	1	2	0	8	2	1	6	7	8
ENSP00000256108	ENSG00000133731	IMPA1	633	1	66	21	0.000101	0.0002608	-1.369362	2.16E-05	0.0027068	0.5361977	0.3779645	87	4	2	1	2	2	1	3	1	1	4	5	3	4	2	3	3	2	3	4	1	3	5	2	2	2	0	1	10	6	5
ENSP00000330753,ENS	ENSG00000185658	BRWD1	6341	1	22	7	3.37E-05	8.69E-05	-1.369362	0.0491035	0.2812764	1.1308257	0.2474358	29	1	0	0	0	0	0	1	0	1	2	3	0	2	2	1	1	0	1	1	2	0	0	0	0	2	0	2	2	2	3
ENSP00000301905	ENSG00000168078	PBK	5583	1078	44	14	6.73E-05	0.0001739	-1.369362	0.0498618	0.2819011	1.1435611	0.4948717	58	3	2	1	1	0	1	5	0	4	3	0	3	5	4	4	0	0	0	0	0	0	5	2	1	0	0	0	2	6	6
ENSP00000365522	ENSG00000165118	C9orf64	707	1	107	34	0.0001637	0.0004223	-1.367434	0.005587	0.0978182	0.7745394	0.4352544	141	7	2	3	10	10	6	6	2	8	0	0	0	5	7	9	5	2	3	1	1	3	3	3	2	5	0	4	17	8	9
ENSP00000339569_A62	ENSG00000029725	RABEP1	4464	1	41	13	6.27E-05	0.0001615	-1.364326	0.0013205	0.0425762	0.6158792	0.4803845	54	2	0	1	2	3	1	2	3	2	1	2	2	3	1	2	0	1	1	2	1	3	2	2	0	1	0	1	6	5	2
ENSP00000357428,ENS	ENSG00000160691	SHC1	1840	1	41	13	6.27E-05	0.0001615	-1.364326	0.0210887	0.1951003	0.9898353	0.5807565	54	0	0	0	2	2	5	0	1	0	3	5	1	3	3	1	1	1	1	0	1	1	4	3	1	1	0	1	7	4	2
ENSP00000250263,ENS	ENSG00000104626	ERI1	3016	1	41	13	6.27E-05	0.0001615	-1.364326	0.0223914	0.1981458	0.9728385	0.2664694	54	2	2	0	3	1	0	2	2	3	1	2	3	6	4	3	0	0	0	1	1	0	1	1	2	1	0	0	3	5	5
ENSP00000361219,ENS	ENSG00000125484	GTF3C4	510	1	79	25	0.0001208	0.0003105	-1.361514	0.0015553	0.0475578	0.6493389	0.1385641	104	3	2	4	4	2	2	4	1	7	6	1	4	6	3	5	3	0	1	2	1	1	2	3	1	6	1	4	9	9	7
ENSP00000260643,ENS	ENSG00000138073	PREB	245	1	19	6	2.91E-05	7.45E-05	-1.358473	0.1765861	0.4714801	1.7544197	1	25	1	0	1	1	0	0	0	0	1	1	0	0	0	0	1	0	0	2	0	0	1	1	5	0	4	0	0	4	0	2
ENSP00000268802	ENSG00000141101	NOB1	3482	1	19	6	2.91E-05	7.45E-05	-1.358473	0.0250443	0.2055654	0.9504	1	25	1	1	1	0	0	1	0	0	1	1	2	1	1	2	1	1	0	1	0	0	1	0	0	1	2	0	0	4	0	2
ENSP00000312988,ENS	ENSG00000104825	NFKBIB	1430	331	19	6	2.91E-05	7.45E-05	-1.358473	0.0357572	0.244886	1.1017875	0	25	0	0	0	1	2	1	0	1	0	0	2	0	2	1	1	1	1	2	0	0	0	2	1	0	1	0	0	2	2	2
ENSP00000261249,ENS	ENSG00000126814	TRMT5	4846	1055	35	11	5.35E-05	0.0001366	-1.351587	0.0537248	0.2911062	1.2068096	0.4165978	46	1	0	0	0	0	1	1	1	0	2	2	2	2	2	1	0	0	0	6	4	0	5	1	1	0	2	1	5	4	2
ENSP00000290384,ENS	ENSG00000159256	MORC3	3140	1	32	10	4.89E-05	0.0001242	-1.343366	0.0295367	0.2226535	0.9659155	0.4582576	42	3	3	0	0	2	1	2	3	1	2	3	0	1	2	3	0	0	0	2	1	0	1	0	0	1	0	1	3	5	2
ENSP00000250617,ENS	ENSG00000129675	ARHGEF6	4878	1	16	5	2.45E-05	6.21E-05	-1.343366	0.0612977	0.3133682	1.1709371	0.3464102	21	1	0	0	1	2	2	1	1	0	1	1	2	0	1	0	1	0	0	1	0	0	0	1	0	0	0	0	2	2	1
ENSP00000203556,ENS	ENSG00000089639	GMIP	1781	1	16	5	2.45E-05	6.21E-05	-1.343366	0.1063977	0.383813	1.3450631	0.3464102	21	0	0	0	3	1	1	1	1	0	0	0	0	1	2	0	0	0	1	0	0	1	1	2	0	1	0	0	1	2	2
ENSP00000272793,ENS	ENSG00000144357	UBR3	3541	1	16	5	2.45E-05	6.21E-05	-1.343366	0.1171012	0.397702	1.3450631	0.6928203	21	0	0	0	0	0	0	0	1	2	1	1	0	0	1	1	1	2	0	0	1	0	1	3	0	0	1	0	3	1	1
ENSP00000343745,ENS	ENSG00000100697	DICER1	347	1	16	5	2.45E-05	6.21E-05	-1.343366	0.1514951	0.4402891	1.3450631	0.6928203	21	1	2	1	1	0	1	3	2	1	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	1	3
rev_ENSP00000313851	rev	rev	6203	1321	16	5	2.45E-05	6.21E-05	-1.343366	0.1340054	0.418722	1.2610092	0.6928203	21	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	2	1	2	1	2	0	0	0	1	0	1	2	1	1	3
ENSP00000309031	ENSG00000175073	VCPIP1	5935	1	61	19	9.33E-05	0.000236	-1.338628	0.0087114	0.122125	0.837955	0.5075606	80	1	0	1	5	3	4	3	1	3	3	8	4	3	1	0	4	1	1	3	0	1	4	2	2	3	0	0	10	4	5
ENSP00000300456,ENS	ENSG00000167114	SLC27A4	782	1	58	18	8.87E-05	0.0002236	-1.333382	0.0018208	0.0517858	0.6151945	0.2886751	76	2	0	3	4	1	4	4	1	4	4	4	2	2	1	2	2	0	3	1	0	3	2	3	2	2	1	1	8	5	5
ENSP00000264244,ENS	ENSG00000113845	C3orf1	536	125	29	9	4.44E-05	0.0001118	-1.333382	0.0120833	0.1452002	0.771473	0.6666667	38	1	1	0	2	0	0	0	1	2	1	0	1	1	1	3	1	2	1	2	1	2	2	0	0	2	1	1	5	3	1
ENSP00000339569_M6	ENSG00000029725	RABEP1	4466	1	42	13	6.42E-05	0.0001615	-1.329561	0.0011242	0.0391789	0.6002354	0.3525058	55	2	0	1	2	3	1	2	3	2	2	2	2	3	1	2	0	1	1	2	1	3	2	2	0	1	0	1	6	4	3
ENSP00000263262,ENS	ENSG00000087088	BAX	6135	1	107	33	0.0001637	0.0004099	-1.324365	0.0158756	0.1695149	0.8556615	0.0909091	140	6	8	2	7	8	3	2	8	3	3	6	2	5	14	6	7	2	4	0	0	1	0	0	0	2	6	2	11	12	10
ENSP00000218789,ENS	ENSG00000102606	ARHGEF7	2726	1	39	12	5.97E-05	0.000149	-1.320999	0.0065452	0.1055171	0.7994081	0.4330127	51	4	1	1	1	3	4	1	1	1	1	1	2	0	2	1	1	1	2	3	0	2	2	1	3	0	0	0	6	3	3
ENSP00000264431,ENS	ENSG00000109756	RAPGEF2	5076	1	13	4	1.99E-05	4.97E-05	-1.320999	0.176954	0.4714801	1.5638439	0.8660254	17	1	0	0	2	0	0	1	0	0	0	1	0	2	0	0	1	0	0	0	1	0	0	2	2	0	0	0	2	2	0
ENSP00000386738,ENS	ENSG00000176407	KCMF1	6143	1	13	4	1.99E-05	4.97E-05	-1.320999	0.1853327	0.4837663	1.4538884	0.8660254	17	1	0	0	1	0	0	0	1	0	1	0	0	0	1	1	0	2	2	0	1	0	0	0	2	0	0	0	2	0	2
ENSP00000337701,ENS	ENSG00000177666	PNPLA2	4109	1	13	4	1.99E-05	4.97E-05	-1.320999	0.1892109	0.4862411	1.5638439	0.4330127	17	0	0	0	0	0	0	0	1	2	2	0	0	1	2	0	1	2	1	0	0	0	1	0	0	0	0	0	1	1	2
ENSP00000319831,ENS	ENSG00000023892	DEF6	280	1	13	4	1.99E-05	4.97E-05	-1.320999	0.2399149	0.5438795	2.026003	1.1456439	17	0	0	0	1	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	1	0	4	3	0	0	0	0	3	0	1
ENSP00000268854,ENS	ENSG00000141141	DDX52	5584	1	13	4	1.99E-05	4.97E-05	-1.320999	0.2335514	0.5373085	1.7633037	1.1456439	17	0	0	1	0	0	0	0	0	1	2	0	0	0	0	2	0	0	2	0	0	1	0	0	0	3	0	1	3	0	1
ENSP00000321810,ENS	ENSG00000043514	TRIT1	5900	1	26	8	3.98E-05	9.94E-05	-1.320999	0.0326895	0.2349961	0.8387926	0.2165064	34	0	1	0	0	1	1	2	2	0	2	3	1	1	1	1	1	2	0	0	1	1	0	1	0	1	2	1	2	3	3
ENSP00000314032,ENS	ENSG00000099331	MYO9B	4545	1	26	8	3.98E-05	9.94E-05	-1.320999	0.0524498	0.2870011	1.1332481	0.2165064	34	0	0	0	2	1	1	0	0	1	2	1	3	4	2	2	1	0	1	2	1	0	0	2	0	0	0	0	2	3	3
ENSP00000308532,ENS	ENSG00000113758	DBN1	2051	1	182	56	0.0002784	0.0006955	-1.320999	0.0348498	0.2419794	1.0421983	0.172208	238	22	13	9	1	1	1	0	0	0	5	15	11	2	4	2	5	5	2	18	11	9	0	0	1	24	11	10	21	15	20
ENSP00000331384,ENS	ENSG00000184787	UBE2G2	3369	1	13	4	1.99E-05	4.97E-05	-1.320999	0.0864348	0.3560722	1.2042256	0.4330127	17	1	1	2	1	0	0	0	0	1	1	0	0	0	0	1	0	1	0	1	1	0	0	1	0	1	0	0	1	2	1
ENSP00000323527,ENS	ENSG00000128585	MKLN1	5656	1211	13	4	1.99E-05	4.97E-05	-1.320999	0.1201329	0.4024824	1.2042256	1.1456439	17	1	1	0	1	0	0	0	1	1	0	1	2	1	0	0	1	0	1	0	0	1	0	0	0	0	0	1	0	3	1
ENSP00000357862	ENSG00000196177	ACADSB	4869	1	13	4	1.99E-05	4.97E-05	-1.320999	0.1261516	0.4106075	1.4538884	0.4330127	17	1	0	0	0	1	0	0	1	1	0	2	2	0	0	1	0	0	0	0	0	0	0	2	1	1	0	0	1	1	2
ENSP00000366212	ENSG00000102265	TIMP1	5721	687	13	4	1.99E-05	4.97E-05	-1.320999	0.1340453	0.418722	1.3349065	0.4330127	17	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	2	2	1	1	1	0	0	0	0	0	0	0	1	2	1
rev_ENSP00000011700	rev	rev	4498	978	13	4	1.99E-05	4.97E-05	-1.320999	0.1843529	0.4829808	1.5638439	0.4330127	17	0	0	1	0	0	0	0	0	1	1	0	0	1	0	1	3	0	1	0	0	0	1	1	0	0	0	2	1	1	2
ENSP00000265388,ENS	ENSG00000064419	TNPO3	6144	1	49	15	7.50E-05	0.0001863	-1.313619	0.020593	0.1924275	0.8650121	0.8717798	64	2	0	3	1	0	1	1	0	2	3	0	3	0	2	3	2	0	3	3	0	3	4	1	4	6	1	1	8	0	7
ENSP00000274031	ENSG00000145391	SETD7	3901	887	36	11	5.51E-05	0.0001366	-1.310945	0.0128256	0.1513281	0.9067058	0.1574592	47	2	1	0	1	2	1	1	2	1	2	5	1	2	2	2	2	1	0	0	0	0	2	4	1	0	1	0	4	4	3
ENSP00000340691	ENSG00000187840	EIF4EBP1	617	1	36	11	5.51E-05	0.0001366	-1.310945	0.0191024	0.186248	0.9975933	0.7872958	47	5	1	1	0	3	1	1	1	2	0	1	1	1	3	1	1	0	0	3	0	2	4	0	2	2	0	0	7	2	2
ENSP00000259895,ENS	ENSG00000221974		3432	780	23	7	3.52E-05	8.69E-05	-1.305231	0.02686	0.2098705	0.9036787	0.6546537	30	1	2	0	2	0	0	0	1	0	0	0	0	1	1	2	1	1	1	1	2	1	2	1	0	2	0	1	4	2	1
ENSP00000260359,ENS	ENSG00000137804	NUSAP1	4284	951	23	7	3.52E-05	8.69E-05	-1.305231	0.0294772	0.2224622	0.9605419	0.2474358	30	1	1	1	1	1	0	0	1	1	0	1	0	1	3	1	1	0	3	2	1	0	0	0	0	1	1	1	3	2	2
ENSP00000305494,ENS	ENSG00000171763	SPATA5L1	6236	1330	23	7	3.52E-05	8.69E-05	-1.305231	0.0851877	0.3542961	1.2052669	0.2474358	30	0	0	1	0	2	2	1	0	2	4	2	2	1	0	0	1	1	0	2	0	0	0	1	0	1	0	0	2	3	2
ENSP00000344167_rs6:	ENSG00000160293	VAV2	2580	1	23	7	3.52E-05	8.69E-05	-1.305231	0.1251094	0.4094428	1.3699235	0.6546537	30	2	0	2	3	4	2	0	0	0	0	3	1	1	0	0	0	0	0	0	1	0	0	0	0	2	1	1	2	4	1
ENSP00000263063,ENS	ENSG00000107951	MTPAP	2179	1	33	10	5.05E-05	0.0001242	-1.298972	0.0053009	0.0953728	0.7294548	0.9643651	43	2	1	1	0	1	1	1	0	1	1	1	1	1	2	1	0	1	2	4	1	1	2	1	2	3	0	1	7	1	2
ENSP00000226574,ENS	ENSG00000109320	NFKB1	5202	1	33	10	5.05E-05	0.0001242	-1.298972	0.0651969	0.3201457	1.1421531	0.3464102	43	1	1	0	1	0	4	1	1	0	2	0	0	2	3	1	4	1	0	0	1	1	1	4	4	0	0	0	4	4	2
ENSP00000314837,ENS	ENSG00000174996	KLC2	187	1	106	32	0.0001621	0.0003974	-1.293518	0.0011249	0.0391789	0.6736434	0.1432055	138	8	7	1	2	1	2	1	3	2	3	9	5	8	8	6	3	3	2	7	4	4	4	5	6	0	1	1	11	9	12
ENSP00000350848,ENS	ENSG00000198157	NSBP1	277	1	53	16	8.11E-05	0.0001987	-1.293518	0.0712826	0.3311439	1.2909556	0.3903124	69	0	0	0	1	3	2	1	1	2	0	1	2	3	3	3	1	3	0	0	0	0	10	9	5	1	1	1	7	6	3
ENSP00000265564_rs3	ENSG00000075914	EXOSC7	2552	590	53	16	8.11E-05	0.0001987	-1.293518	0.0014547	0.045117	0.5907522	0.4330127	69	1	2	3	1	2	1	2	0	2	2	3	1	1	2	2	1	3	1	3	3	1	2	2	1	6	2	3	8	4	4
ENSP00000318086,ENS	ENSG00000129680	MAP7D3	4602	1	10	3	1.53E-05	3.73E-05	-1.284473	0.2745835	0.5793204	2.0021143	1	13	3	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	1	2	0
ENSP00000251809,ENS	ENSG00000104450	SPAG1	1541	1	40	12	6.12E-05	0.000149	-1.284473	0.0187429	0.1857516	0.8024002	0.25	52	1	1	1	0	1	2	1	0	3	2	1	1	2	2	1	3	2	3	2	2	5	2	2	0	0	0	0	3	4	5
ENSP00000355987,ENS	ENSG00000117597	C1orf107	2250	1	40	12	6.12E-05	0.000149	-1.284473	0.0151218	0.1652492	0.7802551	0.5	52	2	2	1	0	0	0	0	0	1	0	2	3	2	1	0	3	2	1	2	3	4	1	2	2	3	1	2	6	4	2
ENSP00000324810	ENSG00000141971	FAM125A	2751	639	40	12	6.12E-05	0.000149	-1.284473	0.015933	0.1697886	0.8449511	0.25	52	1	0	1	2	2	3	1	2	1	3	5	2	2	1	3	2	0	3	1	0	0	1	2	2	0	0	0	5	3	4
ENSP00000254605,ENS	ENSG00000132275	RRP8	2301	1	30	9	4.59E-05	0.0001118	-1.284473	0.016698	0.1731753	0.8024002	0.3333333	39	1	0	0	2	2	1	3	0	1	1	1	0	1	0	1	2	1	0	3	1	2	0	1	2	2	1	1	3	4	2
rev_ENSP00000341781	rev	rev	2965	1	10	3	1.53E-05	3.73E-05	-1.284473	0.4208981	0.7161205	2.8167084	1	13	1	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	5	0	0	2	0	1
ENSP00000037243	ENSG00000034713	GABARAPL2	3844	1	10	3	1.53E-05	3.73E-05	-1.284473	0.1209914	0.4032866	1.3286778	0	13	1	0	0	1	1	0	1	1	0	0	0	0	1	0	1	1	0	0	0	0	0	1	1	0	0	0	0	1	1	1
ENSP00000281131,ENS	ENSG00000151458	ANKRD50	5706	1	10	3	1.53E-05	3.73E-05	-1.284473	0.1363136	0.4206941	1.3286778	1	13	0	0	0	0	0	0	1	0	0	1	1	1	0	1	0	1	0	1	0	1	1	1	0	0	0	0	0	2	1	0
ENSP00000365019,ENS	ENSG00000106723	SPIN1	4760	1	10	3	1.53E-05	3.73E-05	-1.284473	0.1426999	0.4284945	1.5251734	0	13	2	0	0	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1
ENSP00000302801	ENSG00000171103	TRMT61B	3762	1	10	3	1.53E-05	3.73E-05	-1.284473	0.1381072	0.4220986	1.3286778	0	13	0	0	1	0	1	0	0	1	1	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	1	1	0	1	1	1
ENSP00000339530,ENS	ENSG00000148308	GTF3C5	4848	761	10	3	1.53E-05	3.73E-05	-1.284473	0.1636742	0.4560694	1.5251734	0	13	1	0	0	2	0	0	0	0	0	1	1	1	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	1	1	1

ENSP00000335261	ENSG00000185973	TMLHE	5539	1	20	6	3.06E-05	7.45E-05	-1.284473	0.1222519	0.4056171	1.2748303	0.8660254	26	0	0	0	2	2	0	1	0	0	1	0	0	0	1	1	1	2	2	0	0	0	2	3	2	0	0	0	1	1	4
ENSP00000278976,ENS	ENSG00000124191	TOX2	772	1	10	3	1.53E-05	3.73E-05	-1.284473	0.1861766	0.4837663	1.6990948	0	13	1	0	0	0	0	0	0	0	1	0	0	0	2	1	1	0	0	0	0	1	0	1	0	0	2	0	0	1	1	1
ENSP00000263201,ENS	ENSG00000093009	CDC45L	5674	1	10	3	1.53E-05	3.73E-05	-1.284473	0.2088691	0.5070075	1.5251734	1	13	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	1	1	0	0	2	0	0	1	1	0	0	0	0	1	2
ENSP00000233575,ENS	ENSG00000115234	SNX17	390	1	10	3	1.53E-05	3.73E-05	-1.284473	0.1942137	0.4897562	1.5251734	1	13	0	1	0	1	1	0	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	2	1	0	0	0	0	1	2
ENSP00000295926_L46	ENSG00000163660	CCNL1	660	1	10	3	1.53E-05	3.73E-05	-1.284473	0.1902681	0.4873321	1.5251734	1	13	0	0	0	0	2	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	1	2	0	1
ENSP00000313818,ENS	ENSG00000130299	GTPBP3	6132	1305	10	3	1.53E-05	3.73E-05	-1.284473	0.2153301	0.5150367	1.6990948	1	13	0	0	1	0	0	0	0	0	0	0	2	1	0	0	0	2	0	0	1	1	1	0	1	0	0	0	0	2	0	1
ENSP00000175506,ENS	ENSG00000070669	ASNS	611	1	351	104	0.0005369	0.0012917	-1.266551	0.0187083	0.1857516	0.867404	0.4600336	455	9	10	4	7	7	12	14	15	9	28	54	41	15	15	13	9	8	5	9	5	8	11	4	7	17	7	8	53	24	27
ENSP00000278359_rs1!	ENSG00000149089	APIP	6015	847	27	8	4.13E-05	9.94E-05	-1.266551	0.1690674	0.4615968	1.593255	0.2165064	35	0	0	0	0	0	0	0	0	0	2	2	0	1	0	2	0	1	4	0	0	0	5	5	3	2	0	0	3	2	3
ENSP00000296786	ENSG00000164332	UBLCP1	4965	1	54	16	8.26E-05	0.0001987	-1.266551	0.010849	0.1358226	0.8204127	0.4330127	70	1	1	1	3	2	4	3	0	1	3	5	4	5	2	2	1	0	0	1	1	1	2	4	2	5	0	0	8	4	4
ENSP00000217074,ENS	ENSG00000101104	PABPC1L	995	1	44	13	6.73E-05	0.0001615	-1.262446	0.0064873	0.1049804	0.704771	0.1332347	57	3	2	4	0	2	1	2	3	2	4	0	1	1	1	3	2	1	1	3	0	1	1	2	1	2	0	1	5	4	4
ENSP00000386153	ENSG00000138698	RAP1GDS1	4917	1	122	36	0.0001866	0.0004471	-1.260626	0.0076843	0.1124672	0.7551839	0.0833333	158	1	1	1	7	5	1	10	4	9	7	5	8	8	12	7	5	3	3	2	1	1	9	5	5	2	0	0	12	11	13
ENSP00000310129,ENS	ENSG00000175166	PSMD2	45	1	282	83	0.0004313	0.0010309	-1.256926	2.79E-05	0.0031868	0.552144	0.2178692	365	17	5	10	5	4	8	8	2	10	13	12	14	12	15	13	7	6	12	17	4	9	25	11	11	23	1	8	34	22	27
ENSP00000365035,ENS	ENSG00000206300		6481	1	17	5	2.60E-05	6.21E-05	-1.255903	0.2663942	0.5717823	1.7144426	1.7320508	22	2	0	4	0	0	0	1	0	0	2	1	0	0	0	0	0	0	2	0	0	1	1	0	0	3	0	0	5	0	0
ENSP00000341597	ENSG00000055147	FAM114A2	765	181	34	10	5.20E-05	0.0001242	-1.255903	0.0453222	0.2728126	1.0697961	0.3464102	44	2	0	2	0	3	1	0	1	2	4	0	2	1	1	2	0	0	0	1	0	0	4	4	2	2	0	0	4	4	2
ENSP00000294785,ENS	ENSG00000162736	NCSTN	605	1	17	5	2.60E-05	6.21E-05	-1.255903	0.0850488	0.3539445	1.2573976	0.3464102	22	1	0	1	1	0	0	1	0	0	0	1	1	2	0	0	0	1	1	1	1	0	2	3	0	0	0	0	2	2	1
ENSP00000257191_rs1	ENSG00000134759	ELP2	4521	1	17	5	2.60E-05	6.21E-05	-1.255903	0.1123346	0.3910395	1.3323237	0.3464102	22	1	0	0	1	0	0	1	0	1	3	1	1	1	1	0	1	0	1	1	0	0	3	0	0	0	0	0	2	1	2
ENSP00000348693,ENS	ENSG00000197535	MYO5A	3444	1	34	10	5.20E-05	0.0001242	-1.255903	0.0939956	0.368126	1.2765415	0.6244998	44	0	0	0	3	0	1	3	0	2	1	0	2	2	7	2	0	0	0	4	0	1	2	1	1	1	0	1	5	1	4
ENSP00000295766	ENSG00000163526	TUBA4B	5810	1	17	5	2.60E-05	6.21E-05	-1.255903	0.1263545	0.4110625	1.2573976	0.9165151	22	1	0	1	0	0	0	0	0	1	0	0	1	0	0	2	2	2	2	2	0	0	1	0	1	1	0	0	3	0	2
ENSP00000356986,ENS	ENSG00000158793	NIT1	3970	1	17	5	2.60E-05	6.21E-05	-1.255903	0.1181916	0.3996792	1.3323237	0.3464102	22	1	0	0	1	2	1	1	0	1	2	2	1	3	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2	1	2
ENSP00000314973,ENS	ENSG00000161542	PRPSAP1	5010	1	17	5	2.60E-05	6.21E-05	-1.255903	0.1849257	0.483509	1.4707692	1.2489996	22	1	0	1	0	0	2	0	0	0	1	0	4	0	1	1	0	0	1	0	1	0	2	0	1	1	0	0	4	0	1
ENSP00000257915,ENS	ENSG00000135457	TFCP2	664	154	17	5	2.60E-05	6.21E-05	-1.255903	0.1448093	0.4310525	1.3323237	0.3464102	22	2	0	2	0	0	1	0	0	0	2	0	1	1	0	0	0	2	0	0	0	2	1	2	0	0	0	1	1	2	2
ENSP00000261401	ENSG00000110880	CORO1C	4129	1	99	29	0.0001514	0.0003602	-1.250063	0.0032613	0.0720033	0.6373619	0.2389036	128	4	5	4	3	3	2	2	8	3	0	0	2	5	7	5	3	4	3	10	6	1	6	1	2	4	3	3	11	7	11
ENSP00000290216,ENS	ENSG00000141295	SCRN2	143	30	41	12	6.27E-05	0.000149	-1.248849	0.0485076	0.2800799	1.0391591	0.5	53	2	3	3	4	2	2	0	0	2	3	2	4	1	0	0	0	0	0	1	0	0	5	4	2	1	0	0	6	2	4
ENSP00000302790,ENS	ENSG00000169180	XPO6	831	1	24	7	3.67E-05	8.69E-05	-1.243831	0.0510048	0.2856359	0.9532334	0.6546537	31	2	1	3	2	0	0	1	0	2	1	0	2	1	0	1	0	0	1	1	0	1	2	1	1	0	0	1	2	1	4
ENSP00000361010	ENSG00000148300	REXO4	2911	672	24	7	3.67E-05	8.69E-05	-1.243831	0.1137084	0.3926738	1.2990381	0.2474358	31	2	1	0	1	1	0	1	0	1	0	0	0	1	0	1	2	0	1	2	1	0	0	1	0	5	0	3	3	2	2
ENSP00000261441,ENS	ENSG00000081019	RSBN1	5079	1	24	7	3.67E-05	8.69E-05	-1.243831	0.1530032	0.4416576	1.4411534	0.4948717	31	0	0	0	1	1	0	0	0	1	0	2	0	6	0	1	0	1	1	2	2	0	2	2	0	0	1	1	3	1	3
ENSP00000353422,ENS	ENSG00000197969	VPS13A	4940	1	24	7	3.67E-05	8.69E-05	-1.243831	0.1540628	0.4429859	1.3719371	0.8921426	31	0	0	1	1	0	0	0	0	0	1	0	2	4	1	0	3	0	0	3	0	0	2	1	0	2	0	3	3	0	4
ENSP00000272995,ENS	ENSG00000144524	COPS7B	3264	1	31	9	4.74E-05	0.0001118	-1.237167	0.0057061	0.0983168	0.6704713	0.3333333	40	1	1	2	1	1	2	2	0	1	1	0	2	1	1	2	2	1	1	1	2	1	1	3	0	1	0	0	3	4	2
ENSP00000313490,ENS	ENSG00000178921	PFAS	435	1	128	37	0.0001958	0.0004595	-1.230892	0.0019827	0.0538054	0.6152408	0.2040496	165	5	3	2	4	3	5	6	4	5	6	4	6	9	7	10	2	1	1	7	3	8	8	7	10	2	0	0	12	10	15
ENSP00000321449,ENS	ENSG00000189306	RRP7B,RRP7	4433	1	45	13	6.88E-05	0.0001615	-1.230025	0.0045708	0.0883381	0.6861262	0.3525058	58	1	1	3	1	0	0	3	1	2	1	3	2	1	1	2	2	0	1	2	2	3	2	3	1	5	1	1	6	3	4
ENSP00000264832,ENS	ENSG00000090339	ICAM1	5347	1157	45	13	6.88E-05	0.0001615	-1.230025	0.1695447	0.4621505	1.479085	0.2664694	58	0	1	3	0	0	0	3	1	3	0	0	0	7	9	7	2	3	0	0	0	0	0	1	0	1	1	3	5	5	3
ENSP00000237724,ENS	ENSG00000118873	RAB3GAP2	408	1	59	17	9.02E-05	0.0002111	-1.226258	0.0228721	0.1999091	0.7827867	0.5391266	76	3	1	3	6	3	3	4	2	4	1	0	0	5	4	4	3	1	2	0	0	1	3	2	3	1	0	0	3	5	9
ENSP00000259335,ENS	ENSG00000136813	KIAA0368	4987	1	177	51	0.0002707	0.0006334	-1.226258	0.0001161	0.0083755	0.5553969	0.2037707	228	6	3	10	6	2	3	6	5	8	9	10	6	7	8	6	6	3	9	6	3	3	18	12	9	9	1	3	21	15	15
ENSP00000362396,ENS	ENSG00000136854	STXBP1	641	1	73	21	0.0001117	0.0002608	-1.223931	0.0252395	0.2056872	0.9106954	0.1428571	94	2	0	1	5	9	8	2	0	0	2	2	2	3	5	5	3	1	2	3	0	3	4	2	2	7	0	0	8	6	7
ENSP00000248553,ENS	ENSG00000106211	HSPB1	2451	1	219	63	0.000335	0.0007825	-1.223931	0.0190429	0.1859462	0.8364107	0.047619	282	15	12	7	3	5	4	14	9	16	10	10	17	18	26	16	2	0	2	2	0	0	6	1	1	8	7	8	22	21	20
ENSP00000257497,ENS	ENSG00000135046	ANXA1	2729	1	636	182	0.0009728	0.0022604	-1.21635	0.0071061	0.1097169	0.7265164	0.3330867	818	7	5	3	12	26	15	17	19	23	57	81	52	13	20	19	22	19	32	40	23	18	34	18	17	23	9	12	84	49	49
ENSP00000347244,ENS	ENSG00000198399	ITSN2	842	1	21	6	3.21E-05	7.45E-05	-1.214083	0.1288281	0.413794	1.0894096	1.3228757	27	0	0	2	0	0	0	0	0	0	0	1	1	2	1	1	2	1	1	1	3	1	2	0	1	1	0	0	0	1	5
ENSP00000274008,ENS	ENSG00000145375	SPATA5	2727	1	21	6	3.21E-05	7.45E-05	-1.214083	0.1865879	0.4839725	1.4411534	0.5	27	0	0	0	3	0	2	3	0	2	2	0	0	2	0	2	1	0	0	0	0	0	3	1	0	0	0	0	3	1	2
ENSP00000309439	ENSG00000170689	HOXB9	3476	795	14	4	2.14E-05	4.97E-05	-1.214083	0.2493182	0.5511912	1.4521407	0.8660254	18	0	0	0	0	0	0	1	2	1	1	2	0	1	2	1	0	0	0	0	1	0	0	0	0	0	2	0	0	2	2
ENSP00000358262,ENS	ENSG00000131778	CHD1L	3162	1	49	14	7.50E-05	0.0001739	-1.214083	0.0162952	0.1718711	0.8784085	0.1237179	63	2	2	2	2	2	0	1	0	1	1	4	2	1	6	1	1	3	3	4	0	1	5	2	3	0	0	0	4	5	5
ENSP00000366463,ENS	ENSG00000089159	PXN	2873	1	56	16	8.57E-05	0.0001987	-1.214083	0.0124657	0.1489714	0.8235162	0.1082532	72	5	1	3	0	0	4	2	0	1	4	5	4	2	4	2	1	0	2	2	0	2	4	4	3	0	0	1	5	5	6
rev_ENSP00000307940	rev	rev	270	60	21	6	3.21E-05	7.45E-05	-1.214083	0.0259494	0.2078821	0.897406	0.5	27	2	0	1	0	1	0	1	0	2	1	1	1	1	1	1	0	0	0	1	0	1	0	2	1	2	0	1	3	2	1
ENSP00000359151,ENS	ENSG00000137992	DBT	3245	1	49	14	7.50E-05	0.0001739	-1.214083	0.0221001	0.1977166	0.7646936	0.6888322	63	3	0	2	3	0	2	0	0	2	3	0	2	4	0	3	2	1	3	2	0	4	2	2	2	4	0	3	7	1	6
ENSP00000262319,ENS	ENSG00000100726	TELO2	5365	1	42	12	6.42E-05	0.000149	-1.214083	0.0315829	0.231123	0.9149465	0.5	54	5	1	3	1	2	2	2	1	3	2	1	4	2	2	4	0	0	0	2	0	0	3	1	0	0	0	1	4	2	6
ENSP00000346437,ENS	ENSG00000197548	ATG7	4510	982	42	12	6.42E-05	0.000149	-1.214083	0.0469694	0.2768432	0.9490555	0.4330127	54	1	0	1	0	0	3	2	1	2	3	3	1	6	2	3	1	1	1	1	0	0	2	3	4	0	1	0	3	3	6
ENSP00000325618,ENS	ENSG00000178685	PARP10	426	1	14	4	2.14E-05	4.97E-05	-1.214083	0.0603204	0.3100766	0.9819805	0.4330127	18	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	1	0	0	0	1	1	0	1	0	0	0	1	2	1
ENSP00000301281,ENS	ENSG00000167671	UBXN6	3349	1	14	4	2.14E-05	4.97E-05	-1.214083	0.0801954	0.3459025	1.1182095	0.4330127	18	0	0	0	0	1	1	1	0	1	0	1	1	0	1	1	0	0	1	1	0	0	1	2	0	0	0	1	1	1	2
ENSP00000339532,ENS	ENSG00000134077	THUMPD3	4805	1	21	6	3.21E-05	7.45E-05	-1.214083	0.0846444	0.3534589	1.1462861	0	27	3	2	1	1	0	0	2	0	1	2	1	1	1	0	0	0	0	0	2	0	2	1	1	0	0	0	0	2	2	2
ENSP00000276533,ENS	ENSG00000147536	GINS4	3986	899	21	6	3.21E-05	7.45E-05	-1.214083	0.1124455	0.3912168	1.2004709	0.5	27	2	2	0	1	1	0	2	1	0	2	2	0	2	1	3	0	0	0	0	0	0	1	1	0	0	0	0	1	2	3
ENSP00000343204,ENS	ENSG00000162434	JAK1	300	70	14	4	2.14E-05	4.97E-05	-1.214083	0.1538701	0.4428439	1.3500392	0.8660254	18	0	0	1	2	0	1	0	0	0	0	0	0	1	1	1	0	0	0	2	1	1	2	0	0	0	0	1	2	2	0
ENSP00000266000,ENS	ENSG00000206206		4569	995	28	8	4.28E-05	9.94E-05	-1.214083	0.1113693	0.3896456	1.2103605	0.572822	36	1	0	0	0	0	0	2	2	0	2	3	2	0	1	0	1	0	0	4	2	3	0	2	0	3	0	0	1	4	3
ENSP00000285106,ENS	ENSG00000154832	CXXC1	2908	1	14	4	2.14E-05	4.97E-05	-1.214083	0.183339	0.4810987	1.4521407	1.1456439	18	2	0	0	0	0	1	0	0	0	0	1	1	0	1	1	0	2	0	2	0	1	0	0	0	2	0	0	3	1	0
ENSP00000314400	ENSG00000134330	IAH1	5967	1	14	4	2.14E-05	4.97E-05	-1.214083	0.1713153	0.464553	1.3500392	0.4330127	18	0	0	0	0	2	2	0	0	0	0	1	0	0	1	1	0	0	1	0	2	0	1	0	1	1	1	0	1	2	1
ENSP00000365128,ENS	ENSG00000083223	ZCCHC6	4776	23	14	4	2.14E-05	4.97E-05	-1.214083	0.207036	0.5048391	1.5475204	1.1456439	18	0	0	0	1	1	0	1	0	0	0	2	0	2	1	0	0	0	0	0	0	1	3	1	0	0	1	0	1	0	3
ENSP00000281453,ENS	ENSG00000151725	MLF1IP	2459	1	14	4	2.14E-05	4.97E-05	-1.214083	0.1823831	0.4804528	1.3500392	0.8660254	18	0	0	0	1	0	0	2	1	1	0	1	0	2	1	1	0	1	0	0	0	0	0	2	0	0	1	0	2	2	0
ENSP00000361512	ENSG00000147224	PRPS1L1,PR	1725	1	74	21	0.0001132	0.0002608	-1.204302	0.0072451	0.1105778	0.7877169	0.2474358	95	5	0	1	3	2	2	1	0	1	3	5	4	6	2	7	2	0	3	4	1	1	7	3	5	5	0	1	9	6	6
ENSP00000263629,ENS	ENSG00000085760	MTIF2	5327	1149	39	11	5.97E-05	0.0001366	-1.195468	0.0662478	0.3220199	1.0038615	0.6298367	50	0	0	2	1	0	1	2	0	3	2	4	4	1	1	2	1	0	0	1	0	4	1	1	2	5	0	1	5	1	5
ENSP00000297533,ENS	ENSG00000164897	TMUB1	3854	1	32	9	4.89E-05	0.0001118	-1.191363	0.0330798	0.2364972	0.8118988	0	41	3	2	2	1	0	0	0	3	2	0	2	1	2	2	0	1	2	2	0	1	1	1	1	1	0	0	2	3	3	3
ENSP00000013070,ENS	ENSG00000012963	UBR7	1579	1	57	16	8.72E-05	0.0001987	-1.188548	0.004629	0.0887497	0.6741711	0.2165064	73	3	2	0	4	3	4	3	2	1	2	1	2	4	4	2	4	0	1	1	1	0	2	4	2	4	1	0	6	4	6
ENSP00000345719	ENSG00000136827	TOR1A	4273	1	57	16	8.72E-05	0.0001987	-1.188548	0.0567002	0.2995101	0.9504	0.286411	73	0	0	0	3	2	1	7	0	6	1	2	2	6	3	3	5	0	0	3	1	2	3	3	1	1	0	2	4	7	5
ENSP00000278100,ENS	ENSG00000107949	BCCIP	6309	1	164	46	0.0002509	0.0005713	-1.187448	0.0048221	0.0909515	0.6771525	0.1992424	210	15	5	10	9	5	8	4	2	5	7	11	13	12	4	8	12	1	9	4	2	0	3	3	3	5	1	3	16	12	18
ENSP00000371811	ENSG00000165487	EFHA1	528	123	25	7	3.82E-05	8.69E-05	-1.184937	0.2389892	0.5424326	1.5251734	0.8921426	32	2	0	1	6	0	3	0	0	0	0	0	0	2	0	0	2	1	1	3	0	2	1	1	0	0	0	0	4	0	3
ENSP00000264326,ENS	ENSG00000114480	GBE1	3102	1	75	21	0.0001147	0.0002608	-1.184937	0.0054665	0.0967483	0.7291723	0.3779645	96	1	0	1	2	3	1	5	1	3	3	5	5	1	7	6	1	1	1	4	1	2	7	4	3	4	1	2	10	6	5
ENSP00000300013,ENS	ENSG00000166788	SAAL1	4496	1	50	14	7.65E-05	0.0001739	-1.184937	0.0063162	0.1038829	0.7593114	0.1237179	64	4	0	4	1	2	2	1	0	2	2	5	3	0	3	2	0	0	2	3	1	1	3	3	2	3	0	1	5	5	4
ENSP00000355279,ENS	ENSG00000198791	CNOT7	581	138	25	7	3.82E-05	8.69E-05	-1.184937	0.0422213	0.2652571	0.9901049	0.2474358	32	2	0	1	0	0	2	2	0	0	1	2	1	2	0	1	0	0	0	2	1	0	3	1	1	2	0	1	2	2	3
ENSP00000369981,ENS	ENSG00000107295	SH3GL2	6316	1	25	7	3.82E-05	8.69E-05	-1.184937	0.1100129	0.3879339	1.268215	0.2474358	32	2	3	1	0	0	0	1	0	2	1	1	2	0	4	2	1	0	0	2	0	0	3	0	0	0	0	0	2	3	2
ENSP00000354532_rs1(	ENSG00000198805	NP	4311	1	397	111	0.0006073	0.0013786	-1.182859	3.67E-05	0.0038552	0.46312	0.3636115	508	13	13	10	22	27	18	15	7	15	12	18	16	22	20	19	16	0	12	12	7	7	23	29	17	13	3	11	52	33	26
ENSP00000301396,ENS	ENSG00000141456	PELP1	5592	963	43	12	6.58E-05	0.000149	-1.180136	0.0454577	0.2728722	0.802967	0.8660254	55	1	2	2	1	1	1	1	1	1	1	0	0	1	2	3	0	1	1	2	2	4	2	1	2	6	3	1	6	0	6
ENSP00000311592	ENSG00000173812	EIF1	2331	1	61	17	9.33E-05	0.0002111	-1.178164	0.007554	0.1117434	0.679001	0.5672736	78	2	0	1	1	0	3	1	1	2	4	3	2	2	2	3	2	1	3	3	1	5	4	3	2	7	1	2	8	2	7
ENSP00000228307,ENS	ENSG00000089159	PXN	2874	1	79	22	0.0001208	0.0002732	-1.177089	0.0027886	0.065098	0.6282398	0.0787296	101	5	3	3	3	1	5	3	3	1	5	7	5	1	5	2	3	0	2	2	1	2	5	5	4	0	2	1	7	7	8
ENSP00000295704,ENS	ENSG00000163481	RNF25	5421	1173	18	5	2.75E-05	6.21E-05	-1.173441	0.1709725	0.464553	1.1766968	1.2489996	23	0	2	1	1	1	0	2	2	1	0	0	0	1	2	1	1	0	0	0	1	0	0	2	0	0	0	0	0	4	1
ENSP00000252444,ENS	ENSG00000130164	LDLR	6243	1	18	5	2.75E-05	6.21E-05	-1.173441	0.2421544	0.5461051	1.5	0.6928203	23	0	0	0	0	0	0	1	0	0	0	0	0	1	1	2	1	0	0	1	1	2	0	0	0	4	2	2	3	1	1
ENSP00000296388,ENS	ENSG00000117385	LEPRE1	3426	1	36	10	5.51E-05	0.0001242	-1.173441	0.0261437	0.2079048	0.75	0.1732051	46	3	2	1	2	0	1	3	1	2	2	2	2	3	1	2	1	0	1	0	0	0	1	1	1	0	1	3	3	4	3
ENSP00000299157	ENSG00000166130		5781	1	54	15	8.26E-05	0.0001863	-1.173441	0.0306415	0.2271331	0.7595545	0	69	3	4	3	0	0	1	4	1	2	2	2	2	5	4	4	2	0	0	2	3	1	0	1	0	2	4	2	5	5	5
ENSP00000265097,ENS	ENSG00000170089		998	1	36	10	5.51E-05	0.0001242	-1.173441	0.0538213	0.2913864	1.120182	0.1732051	46	3	1	2	2	0	0	1	0	0	0	1	1	1	1	1	1	0	1	4	0	2	5	3	1	5	0	0	4	3	3
ENSP00000312059,ENS	ENSG00000173744	AGFG1	402	89	18	5	2.75E-05	6.21E-05	-1.173441	0.0634843	0.316353	1.0190493	0.3464102	23	0	1	2	0	1	1	1	0	1	1	2	1	2	0	1	1	0	0	1	0	0	1	1	0	0	0	0	2	2	1
ENSP00000334808,ENS	ENSG00000156256	USP16	4839	1	18	5	2.75E-05	6.21E-05	-1.173441	0.1114799	0.3896456	1.0190493	0.6928203	23	0	0	1	2	0	1	0	0	1	1	1	2	1	0	1	1	0	1	1	2	1	0	0	0	0	1	0	1	1	3
ENSP00000307298,ENS	ENSG00000169018	FEM1B	1236	290	18	5	2.75E-05	6.21E-05	-1.173441	0.1244341	0.4093127	1.0190493	0.9165151	23	1	2	0	0	1	0	1	2	0	0	1	1	0	1	0	0	1	0	1	2	1	1	0	0	0	1	1	3	0	2
ENSP00000289657,ENS	ENSG00000158669	AGPAT6	710	1	18	5	2.75E-05	6.21E-05	-1.173441	0.1415402	0.4259942	1.1766968	0.3464102	23	1	3	0	1	0	0	1	1	2	1	0	1	1	1	1	1	0	0	0	2	0	1	0	0	0	0	0	1	2	2
ENSP00000260746	ENSG00000138175	ARL3	4534	988	18	5	2.75E-05	6.21E-05	-1.173441	0.1891671	0.4862411	1.315587	1.2489996	23	0	0	2	0	0	2	0	0	1	1	0	3	1	0	2	0	0	2	1	0	0	1	0	1	1	0	0	4	0	1
ENSP00000368412,ENS	ENSG00000075790	BCAP29	6247	1	18	5	2.75E-05	6.21E-05	-1.173441	0.1973335	0.493383	1.2480754	0.9165151	23	1	0	0	1	0	0	0	0	0	0	0	0	1	1	0	1	1	1	2	3	2	0	0	0	1	1	2	0	2	3
ENSP00000176763,ENS	ENSG00000072786	STK10	1860	1	36	10	5.51E-05	0.0001242	-1.173441	0.1476154	0.434913	1.2652911	0.1732051	46	0	0	2	6	6	3	0	1	0	2	2	2	0	0	0	2	2	1	3	0	0	0	2	0	0	1	1	4	3	3
ENSP00000005259	ENSG00000075790	BCAP29	6246	1	18	5	2.75E-05	6.21E-05	-1.173441	0.2354156	0.5395011	1.315587	0.9165151	23	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	2	3	2	0	0	0	1	2	2	0	2	3
ENSP00000296328	ENSG00000163960	UBXN7	1805	1	65	18	9.94E-05	0.0002236	-1.168995	0.0056263	0.0979699	0.7309903	0.2886751	83	3	0	2	3	3	2	2	0	2	4	5	2	5	6	5	2	1	1	2	0	1	2	3	1	6	1	1	8	5	5
ENSP00000256594,ENS	ENSG00000134202	GSTM3	2052	25	65	18	9.94E-05	0.0002236	-1.168995	0.2866722	0.5912598	1.7443843	0.3333333	83	4	1	2	0	0	0	11	2	12	0	0	0	10	11	10	0	0	0	2	0	0	0	0	0	0	0	0	8	6	4
ENSP00000313601,ENS	ENSG00000132024	CC2D1A	217	46	65	18	9.94E-05	0.0002236	-1.168995	0.0738019	0.3344967	1.0761789	0.1666667	83	1	3	1	8	6	5	1	1	2	0	0	2	4	1	1	2	1	0	1	2	0	9	7	5	0	1	1	5	7	6
ENSP00000260731	ENSG00000138160	KIF11	2760	1	65	18	9.94E-05	0.0002236	-1.168995	0.1300481	0.4154013	1.2842309	0.1666667	83	5	2	0	1	0	1	7	3	5	3	0	2	10	12	4	3	2	1	1	0	0	1	0	1	0	0	1	7	6	5
ENSP00000311977	ENSG00000141994	DUS3L	4692	1	47	13	7.19E-05	0.0001615	-1.167289	0.0176968	0.1801157	0.773895	0.3525058	60	1	4	1	1	2	1	1	1	2	2	4	3	2	2	1	2	0	0	4	2	3	0	1	0	5	1	1	3	6	4
ENSP00000321971,ENS	ENSG00000140983	RHOT2	936	1	58	16	8.87E-05	0.0001987	-1.163457	0.0385645	0.2517811	0.8337799	0.6584784	74	3	0	3	1	2	2	1	0	1	2	1	1	3	3	1	4	4	7	3	0	4	2	0	2	6	0	2	9	2	5
ENSP00000296490	ENSG00000164091	WDR82	6084	997	29	8	4.44E-05	9.94E-05	-1.163457	0.0788217	0.343159	1.0623566	0.572822	37	2	0	2	0	1	0	1	0	0	1	0	2	0	5	2	0	0	2	1	1	2	1	1	1	2	0	2	3	1	4
ENSP00000324422,ENS	ENSG00000159840	ZYX	4221	1	80	22	0.0001224	0.0002732	-1.158942	0.0112171	0.1394219	0.7802551	0.2838635	102	6	6	6	0	0	0	1	2	2	3	4	4	5	6	4	3	1	2	8	1	2	6	2	4	1	1	0	8	9	5
ENSP00000296805,ENS	ENSG00000164347	GFM2	4006	1	40	11	6.12E-05	0.0001366	-1.158942	0.0344585	0.2408084	0.8654423	0.1574592	51	1	0	2	2	1	1	1	0	1	2	1	3	1	1	3	1	1	1	6	1	3	0	2	1	1	0	3	4	3	4
ENSP00000349887	ENSG00000198356	ASNA1	2356	1	80	22	0.0001224	0.0002732	-1.158942	0.0001509	0.0097271	0.4024116	0.3936479	102	4	4	3	4	2	2	4	3	5	4	3	4	4	4	4	1	1	1	2	3	3	4	4	2	2	1	2	9	4	9
ENSP00000275034,ENS	ENSG00000146247	PHIP	4586	1	91	25	0.0001392	0.0003105	-1.1575	0.0384035	0.2517811	0.8675646	0.069282	116	3	1	2	4	0	1	4	0	4	5	4	2	12	5	7	6	0	0	6	5	4	0	2	1	6	0	7	8	8	9
ENSP00000359589,ENS	ENSG00000097033	SH3GLB1	2421	1	51	14	7.80E-05	0.0001739	-1.156368	0.0119372	0.1439758	0.6456175	0.4460713	65	2	1	1	1	1	1	1	3	1	1	2	2	3	4	2	3	5	1	3	1	1	2	4	3	0	1	1	4	7	3
ENSP00000219627_T57	ENSG00000103342	GSPT1	503	40	44	12	6.73E-05	0.000149	-1.146969	0.0095815	0.127743	0.704771	0.25	56	3	1	3	2	1	1	0	1	4	4	2	1	2	3	2	1	0	2	1	1	1	2	3	1	2	0	0	5	3	4
ENSP00000348011,ENS	ENSG00000197969	VPS13A	4941	1	22	6	3.37E-05	7.45E-05	-1.146969	0.2453061	0.5474603	1.5236533	1	28	0	0	0	0	0	0	0	0	0	1	0	2	3	1	0	4	0	0	3	0	0	2	1	0	2	0	3	2	0	4
ENSP00000282077,ENS	ENSG00000152256	PDK1	5476	1	44	12	6.73E-05	0.000149	-1.146969	0.0189181	0.185843	0.6839129	0.25	56	2	0	1	3	1	1	1	4	3	1	2	2	3	1	2	3	0	2	2	2	2	1	2	3	0	0	0	4	3	5
ENSP00000319742,ENS	ENSG00000114439	BBX	1391	1	11	3	1.68E-05	3.73E-05	-1.146969	0.2752314	0.5800719	1.7031813	0	14	0	0	0	2	1	0	0	1	0	0	1	0	2	2	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	1
ENSP00000361803,ENS	ENSG00000084070	SMAP2	2753	640	11	3	1.68E-05	3.73E-05	-1.146969	0.2783177	0.5824449	1.8341952	0	14	0	1	0	1	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	1	0	1	0	0	1	1	1
rev_ENSP00000348693	rev	rev	3446	1	11	3	1.68E-05	3.73E-05	-1.146969	0.3103768	0.6163061	1.7031813	1.7320508	14	0	0	0	0	0	0	1	0	2	2	0	0	1	1	0	0	0	0	2	0	0	1	0	0	1	0	0	3	0	0
ENSP00000332952,ENS	ENSG00000183808	RBM12B	4866	1	44	12	6.73E-05	0.000149	-1.146969	0.032514	0.2342521	0.800955	0.4330127	56	1	0	2	1	1	1	1	0	1	2	4	3	3	4	0	2	5	1	3	2	2	1	1	1	1	0	1	6	3	3
ENSP00000363608,ENS	ENSG00000112514	CUTA	99	1	55	15	8.41E-05	0.0001863	-1.146969	0.0513191	0.2861005	1.0232516	0.6	70	2	0	2	3	2	2	1	1	2	2	1	2	0	2	3	3	1	1	1	0	1	8	9	3	1	0	2	8	2	5
ENSP00000310547,ENS	ENSG00000173137	ADCK5	3029	695	11	3	1.68E-05	3.73E-05	-1.146969	0.3722913	0.6736001	1.9564554	0	14	0	0	1	2	0	0	0	0	0	0	1	0	0	0	0	3	0	1	0	0	0	0	0	0	1	0	2	1	1	1
ENSP00000263702,ENS	ENSG00000116353	MECR	2395	565	22	6	3.37E-05	7.45E-05	-1.146969	0.1166481	0.3972113	1.1308257	0.5	28	0	0	0	0	1	0	1	1	1	2	1	0	0	1	0	1	2	0	4	1	1	1	0	2	1	1	0	2	3	1
ENSP00000339729,ENS	ENSG00000075618	FSCN1	4801	1	88	24	0.0001346	0.0002981	-1.146969	0.0848075	0.3536181	1.0682609	0.125	112	10	5	9	4	2	4	2	2	2	7	10	12	3	2	4	0	0	0	2	2	0	0	0	0	3	0	3	8	7	9
ENSP00000326869,ENS	ENSG00000128699	ORMDL1	5422	1	11	3	1.68E-05	3.73E-05	-1.146969	0.1749706	0.4704077	1.404968	0	14	2	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	1	0	0	0	1	1	1
ENSP00000212015	ENSG00000096717	SIRT1	5138	1109	11	3	1.68E-05	3.73E-05	-1.146969	0.2026381	0.4994862	1.404968	1	14	2	1	0	0	0	0	1	0	0	1	0	0	1	1	1	0	0	1	0	1	0	1	0	0	0	0	0	0	2	1
ENSP00000215904	ENSG00000221912	PDXP	2774	645	11	3	1.68E-05	3.73E-05	-1.146969	0.2092441	0.5071854	1.404968	1	14	0	0	0	1	0	2	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	1	1	1	0	0	0	2	0	1
ENSP00000265089,ENS	ENSG00000113719	ERGIC1	207	45	11	3	1.68E-05	3.73E-05	-1.146969	0.2104592	0.509141	1.404968	1	14	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	1	2	1	0	1	1	0	2	1	0
ENSP00000284202,ENS	ENSG00000154059	IMPACT	79	1	11	3	1.68E-05	3.73E-05	-1.146969	0.2229303	0.5250673	1.5612113	0	14	0	0	0	1	1	0	0	0	1	2	0	1	1	1	0	0	0	0	0	0	0	2	1	0	0	0	0	1	1	1
ENSP00000311083,ENS	ENSG00000173207	CKS1B	6413	143	11	3	1.68E-05	3.73E-05	-1.146969	0.2390135	0.5424326	1.5612113	1	14	2	0	2	0	0	0	0	0	1	1	1	0	0	1	1	0	0	1	0	0	0	0	0	0	1	0	0	2	0	1
ENSP00000275254,ENS	ENSG00000146433	TMEM181	2088	1	11	3	1.68E-05	3.73E-05	-1.146969	0.2131138	0.5118031	1.404968	0	14	0	0	0	1	1	0	1	0	1	1	0	1	0	0	2	0	1	0	0	0	0	0	1	1	0	0	0	1	1	1
ENSP00000363787,ENS	ENSG00000206287		2271	1	11	3	1.68E-05	3.73E-05	-1.146969	0.2348921	0.5392499	1.404968	1	14	2	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	1	0	2	1
ENSP00000009041,ENS	ENSG00000010270	STARD3NL	1875	446	11	3	1.68E-05	3.73E-05	-1.146969	0.2231322	0.5250673	1.404968	0	14	0	0	1	2	0	1	1	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	1	0	1	1	1	1
ENSP00000254957	ENSG00000103043	VAC14	2612	1	11	3	1.68E-05	3.73E-05	-1.146969	0.2403502	0.5441548	1.5612113	0	14	0	0	0	0	0	0	0	1	0	1	1	0	2	2	0	0	0	1	0	0	0	1	1	0	0	1	0	1	1	1
ENSP00000175506_rs1(	ENSG00000070669	ASNS	610	1	397	108	0.0006073	0.0013414	-1.143331	0.0368868	0.2494744	0.8686663	0.4819264	505	12	12	4	5	8	10	18	17	10	31	62	43	21	18	15	11	7	4	10	4	8	12	7	7	20	11	10	56	27	25
ENSP00000220764	ENSG00000104325	DECR1	2083	1	144	39	0.0002203	0.0004844	-1.136915	0.01001	0.1306521	0.72432	0.1332347	183	2	1	4	2	9	10	2	1	5	4	6	3	5	6	4	3	2	5	10	6	9	12	14	13	3	0	3	14	11	14
ENSP00000236980,ENS	ENSG00000118246	FASTKD2	163	34	74	20	0.0001132	0.0002484	-1.133913	0.0043683	0.0873336	0.6907467	0.1732051	94	4	0	3	3	4	1	4	0	2	3	2	3	1	2	2	4	2	2	6	1	4	8	6	3	2	0	2	6	8	6
ENSP00000381389,ENS	ENSG00000148396	SEC16A	2268	1	52	14	7.95E-05	0.0001739	-1.128353	0.0615381	0.3133682	0.9324597	0.4948717	66	0	1	2	3	2	1	2	1	3	1	0	1	3	4	5	8	3	1	0	1	2	3	1	3	1	0	0	6	6	2
ENSP00000345530,ENS	ENSG00000069869	NEDD4	5282	1	26	7	3.98E-05	8.69E-05	-1.128353	0.0926935	0.3653629	1.0175407	1.0785478	33	2	0	2	2	0	1	1	0	1	0	1	1	1	2	4	0	0	1	0	0	1	2	1	1	2	0	0	5	0	2
ENSP00000281182	ENSG00000151498	ACAD8	5088	1	26	7	3.98E-05	8.69E-05	-1.128353	0.0594666	0.3088565	0.9324597	0.2474358	33	1	1	2	1	0	2	2	0	0	0	0	0	1	0	0	2	0	0	1	2	1	2	3	1	2	1	1	3	2	2
ENSP00000365806,ENS	ENSG00000206492	GNL1	4516	964	26	7	3.98E-05	8.69E-05	-1.128353	0.137214	0.4219428	1.2712464	0.4948717	33	3	1	1	0	0	0	1	0	0	2	2	2	1	2	4	0	0	0	0	0	0	3	3	0	0	1	0	3	1	3
ENSP00000366475,ENS	ENSG00000110046	ATG2A	1905	455	15	4	2.29E-05	4.97E-05	-1.114548	0.2739273	0.5784983	1.6048005	0.4330127	19	1	1	0	1	0	0	0	1	3	0	0	0	1	3	0	2	1	0	0	0	1	0	0	0	0	0	0	1	2	1
ENSP00000314126,ENS	ENSG00000151461	UPF2	1019	1	60	16	9.18E-05	0.0001987	-1.114548	0.0261336	0.2079048	0.7827466	0.1082532	76	4	6	4	1	3	2	1	0	2	5	2	2	4	3	1	6	2	0	2	0	2	3	2	2	1	0	0	5	6	5
ENSP00000337196,ENS	ENSG00000087263	OGFOD1	6473	1379	45	12	6.88E-05	0.000149	-1.114548	0.0434288	0.2679984	0.864692	0.6614378	57	5	1	2	1	0	1	4	2	2	2	1	2	3	4	2	2	0	0	3	0	4	2	1	0	1	0	0	7	2	3
ENSP00000375841,ENS	ENSG00000076928	ARHGEF1	3291	1	45	12	6.88E-05	0.000149	-1.114548	0.0495363	0.2813768	0.8152395	0.25	57	1	1	0	3	0	2	3	1	0	4	2	3	2	1	1	2	3	5	1	1	1	1	4	2	0	0	1	5	4	3
ENSP00000347514,ENS	ENSG00000198160	MIER1	1442	334	15	4	2.29E-05	4.97E-05	-1.114548	0.1455411	0.4322431	1.1529227	0.8660254	19	1	0	0	1	0	0	0	0	1	0	0	1	2	0	1	2	1	1	0	1	1	1	1	0	0	0	0	2	0	2
ENSP00000249442,ENS	ENSG00000128654	MTX2	4971	1077	15	4	2.29E-05	4.97E-05	-1.114548	0.23874	0.5424326	1.5251734	1.1456439	19	1	0	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0	1	1	0	1	1	0	1	4	0	1	3	0	1
ENSP00000252818	ENSG00000130522	JUND	6444	1374	15	4	2.29E-05	4.97E-05	-1.114548	0.2021812	0.4988891	1.2563684	0.4330127	19	0	0	0	0	1	1	1	1	0	1	1	0	2	1	0	0	0	0	1	2	2	0	0	0	0	1	0	1	1	2
rev_ENSP00000305899	rev	rev	1306	1	15	4	2.29E-05	4.97E-05	-1.114548	0.3036289	0.6089371	1.3519217	0.8660254	19	1	1	0	2	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	0	0	0	1	1	3	0	2	0	2
ENSP00000305502,ENS	ENSG00000100325	ASCC2	23	1	15	4	2.29E-05	4.97E-05	-1.114548	0.2427807	0.547061	1.4411534	0.4330127	19	1	1	3	1	0	0	0	0	1	1	0	1	0	0	0	2	0	2	0	0	1	0	0	0	1	0	0	1	1	2
ENSP00000250113,ENS	ENSG00000129245	FXR2	755	1	132	35	0.0002019	0.0004347	-1.106327	0.0007338	0.02987	0.4757719	0.1309307	167	6	3	1	4	2	3	1	6	5	5	11	9	7	8	5	6	4	3	6	4	5	4	5	4	7	6	2	12	13	10
ENSP00000350820,ENS	ENSG00000107951	MTPAP	203	1	34	9	5.20E-05	0.0001118	-1.1039	0.0254064	0.2058105	0.7499002	0.8819171	43	2	1	0	0	0	1	2	0	0	1	1	2	1	2	1	2	1	1	2	2	1	4	1	2	2	0	2	6	1	2
ENSP00000348215,ENS	ENSG00000107957	SH3PXD2A	1678	322	34	9	5.20E-05	0.0001118	-1.1039	0.4550385	0.7388958	2.3985123	0.5773503	43	0	0	0	7	14	2	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	2	3	1	0	0	0	4	4	1
ENSP00000297579,ENS	ENSG00000164934	WDSOF1	3621	1	140	37	0.0002141	0.0004595	-1.101609	0.0014387	0.0450495	0.54031	0.306968	177	9	3	2	4	1	3	4	2	7	9	9	6	6	4	4	4	1	4	6	5	6	6	9	4	12	2	8	15	14	8
ENSP00000352678	ENSG00000156502	SUPV3L1	5181	1124	110	29	0.0001683	0.0003602	-1.09806	0.0119312	0.1439758	0.6455678	0.3160397	139	6	5	9	0	0	2	3	1	1	2	6	3	8	3	4	2	2	3	7	6	10	6	5	6	3	3	4	13	9	7
ENSP00000273130,ENS	ENSG00000144635	DYNC1LI1	3313	1	76	20	0.0001163	0.0002484	-1.095439	0.0073382	0.1108553	0.5577052	0.1732051	96	3	4	2	3	1	0	5	5	3	3	4	2	2	4	7	2	0	1	3	2	1	2	4	3	4	3	3	8	6	6
ENSP00000370105	ENSG00000183474	GTF2H2C,G	4762	1035	38	10	5.81E-05	0.0001242	-1.095439	0.0127832	0.151178	0.6311993	0.3464102	48	1	1	1	2	2	1	1	2	2	1	2	2	2	3	0	2	3	0	1	2	1	3	1	0	0	1	1	4	4	2
ENSP00000369871,ENS	ENSG00000147874	FAM29A	4422	966	38	10	5.81E-05	0.0001242	-1.095439	0.2077316	0.5063459	1.265812	0.4582576	48	0	6	1	1	0	0	4	3	2	1	1	0	4	4	5	2	0	0	0	0	0	0	0	1	0	2	1	2	5	3
ENSP00000251691_V56	ENSG00000112379	KIAA1244	5861	1	19	5	2.91E-05	6.21E-05	-1.095439	0.2446348	0.5474603	1.4108949	0.3464102	24	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	2	2	0	1	0	3	2	2	2	0	0	1	2	2	1
ENSP00000231238_rs4:	ENSG00000113312	TTC1	439	1	38	10	5.81E-05	0.0001242	-1.095439	0.0634718	0.316353	0.9086206	0.3464102	48	1	2	3	1	0	0	1	2	2	2	2	1	6	1	2	1	0	3	1	0	1	2	1	2	1	0	0	4	4	2

ENSP00000256443	ENSG00000134058	CDK7	1937	463	57	15	8.72E-05	0.0001863	-1.095439	0.0026632	0.0633673	0.5309512	0.3464102	72	3	3	4	2	2	3	1	2	4	2	2	2	3	2	3	1	1	1	1	2	3	1	1	1	5	1	1	7	4	4
ENSP00000265351,ENS	ENSG00000124571	XPO5	4864	1	137	36	0.0002096	0.0004471	-1.093331	0.0268294	0.2098705	0.8106059	0.2204793	173	13	9	9	1	1	1	2	3	7	7	7	11	6	9	13	10	1	4	7	1	2	3	1	2	7	0	0	14	9	13
ENSP00000288050,ENS	ENSG00000090857	PDPR	1997	1	80	21	0.0001224	0.0002608	-1.091828	0.0392644	0.2533377	0.8239504	0.1428571	101	2	2	7	2	1	3	1	0	1	9	7	7	3	2	1	2	0	2	5	1	4	2	7	3	3	1	2	7	8	6
ENSP00000354532,ENS	ENSG00000198805	NP	4310	1	404	106	0.000618	0.0013165	-1.091147	0.0001011	0.0076431	0.4564776	0.3304581	510	13	13	11	22	27	19	15	7	13	13	18	17	22	20	20	16	0	13	12	7	9	23	30	17	13	3	11	48	33	25
ENSP00000366980	ENSG00000197043	ANXA6	3068	1	164	43	0.0002509	0.0005341	-1.090151	0.0600253	0.3095365	0.8734636	0.4205382	207	14	16	14	8	9	7	5	4	9	7	9	4	10	5	7	0	0	0	3	0	0	0	0	0	17	5	11	20	8	15
ENSP00000370043,ENS	ENSG00000101911	PRPS2	2446	1	103	27	0.0001575	0.0003353	-1.089825	0.0144083	0.1610893	0.7695479	0.3333333	130	7	0	2	5	6	4	2	0	4	4	8	6	7	4	8	1	0	2	4	0	2	11	4	7	3	1	1	12	9	6
ENSP00000263154,ENS	ENSG00000107929	LARP5	268	58	65	17	9.94E-05	0.0002111	-1.086533	0.0026443	0.0633163	0.5556185	0.2037707	82	4	2	5	1	2	1	1	2	4	3	2	4	1	4	3	3	3	2	2	2	2	4	3	4	1	0	0	7	5	5
ENSP00000256151	ENSG00000133773	CCDC59	1835	1	23	6	3.52E-05	7.45E-05	-1.082839	0.0400794	0.2564215	0.7775758	0	29	1	1	0	1	0	1	1	1	0	1	2	1	2	1	1	0	1	1	2	2	1	0	1	0	0	1	0	2	2	2
ENSP00000256658,ENS	ENSG00000134262	AP4B1	3133	1	23	6	3.52E-05	7.45E-05	-1.082839	0.1360267	0.4206753	1.014222	1	29	1	1	0	1	1	0	2	0	1	0	1	2	1	0	0	1	2	0	0	0	1	0	3	2	2	0	1	2	0	4
ENSP00000299166,ENS	ENSG00000166136	NDUFB8	6237	1331	23	6	3.52E-05	7.45E-05	-1.082839	0.1595907	0.4513306	1.113848	1	29	1	0	1	0	0	0	0	0	1	1	1	1	0	1	1	0	0	2	2	1	2	2	0	4	1	0	1	4	0	2
ENSP00000306080,ENS	ENSG00000171861	RNMTL1	1020	245	23	6	3.52E-05	7.45E-05	-1.082839	0.1321869	0.4183139	1.160458	0.5	29	0	2	0	1	1	0	0	1	2	0	1	1	1	0	1	0	0	0	2	0	0	2	4	0	2	1	1	2	1	3
ENSP00000295736,ENS	ENSG00000033867	SLC4A7	700	1	23	6	3.52E-05	7.45E-05	-1.082839	0.1639159	0.4560694	1.3306708	0.5	29	3	0	0	0	0	0	0	1	0	0	3	2	2	3	2	0	1	0	3	0	0	1	1	1	0	0	0	2	3	1
ENSP00000330813,ENS	ENSG00000089234	BRAP	2462	1	23	6	3.52E-05	7.45E-05	-1.082839	0.2711639	0.5750864	1.4452341	1.3228757	29	0	0	1	3	2	2	0	0	0	0	5	0	0	1	0	3	1	1	0	1	0	0	1	0	1	0	0	0	1	5
ENSP00000319255,ENS	ENSG00000110172	CHORDC1	1321	1	77	20	0.0001178	0.0002484	-1.07658	0.0069101	0.1084475	0.6574717	0.0866025	97	7	6	6	2	2	2	1	3	3	3	4	3	4	4	3	1	2	0	2	1	2	4	3	3	6	0	0	7	6	7
ENSP00000261359,ENS	ENSG00000115760	BIRC6	3361	1	77	20	0.0001178	0.0002484	-1.07658	0.0507128	0.284245	0.8736714	0.5267827	97	3	0	2	1	0	0	4	2	7	3	2	3	4	3	5	3	1	2	0	1	2	5	11	6	4	0	3	10	3	7
ENSP00000264220,ENS	ENSG00000128059	PPAT	6396	1363	81	21	0.0001239	0.0002608	-1.073906	0.0135398	0.1550964	0.6793662	0.1428571	102	5	3	2	3	1	1	4	2	1	6	9	6	5	3	3	3	3	1	2	4	2	3	4	4	1	0	0	7	8	6
ENSP00000271277,ENS	ENSG00000143079	CTTNBP2NL	751	1	27	7	4.13E-05	8.69E-05	-1.073906	0.1584302	0.4498064	1.1094004	0.6546537	34	1	2	0	0	1	1	2	3	0	3	2	0	0	3	0	2	2	0	2	0	0	2	1	0	0	0	0	1	4	2
ENSP00000321537,ENS	ENSG00000131899	LLGL1	174	37	27	7	4.13E-05	8.69E-05	-1.073906	0.1750956	0.4704077	1.1766968	0.2474358	34	1	3	5	0	2	0	1	0	0	1	1	2	1	0	0	0	2	0	0	0	1	2	1	2	1	1	0	3	2	2
ENSP00000377657	ENSG00000164164	OTUD4	4678	1	31	8	4.74E-05	9.94E-05	-1.067242	0.0950538	0.3691399	1.0447063	0.4330127	39	3	0	0	0	0	3	1	0	1	3	4	1	0	2	1	1	1	1	3	0	1	2	2	1	0	0	0	2	2	4
ENSP00000378486	ENSG00000099284	H2AFY2	4296	1	35	9	5.35E-05	0.0001118	-1.06208	0.1054504	0.3834721	0.9280556	0.3333333	44	1	0	1	1	4	0	1	1	1	5	2	1	1	3	1	1	0	1	0	1	1	1	0	1	2	3	1	4	3	2
ENSP00000316809	ENSG00000174238	PITPNA	177	1	35	9	5.35E-05	0.0001118	-1.06208	0.11038	0.3890177	0.999309	0.8819171	44	2	1	2	3	1	1	1	1	0	4	2	2	4	2	1	0	0	0	2	0	0	4	1	0	1	0	0	2	1	6
ENSP00000341597_rs2!	ENSG00000055147	FAM114A2	2728	181	35	9	5.35E-05	0.0001118	-1.06208	0.0927291	0.3653629	1.0441133	0.3333333	44	2	0	2	0	3	2	0	1	2	4	0	2	1	1	2	0	0	0	1	0	0	4	4	2	2	0	0	4	3	2
ENSP00000358050,ENS	ENSG00000143374	TARS2	62	10	39	10	5.97E-05	0.0001242	-1.057964	0.0299727	0.22464	0.7994081	0.4582576	49	2	1	0	3	4	2	1	1	2	0	0	1	3	3	2	0	1	0	2	1	2	3	2	1	2	0	0	5	3	2
ENSP00000269230,ENS	ENSG00000141456	PELP1	5593	963	43	11	6.58E-05	0.0001366	-1.054605	0.109701	0.3874385	0.8924109	0.8766955	54	1	2	1	1	1	1	1	1	1	1	0	0	1	2	3	0	1	0	2	2	5	2	1	3	6	3	1	5	0	6
ENSP00000321449_rs1!	ENSG00000189306	RRP7B,RRP7	4434	1	43	11	6.58E-05	0.0001366	-1.054605	0.011404	0.1409377	0.6802842	0.3149183	54	1	1	2	1	0	0	2	1	1	2	2	3	2	1	1	3	2	0	1	2	2	1	2	3	1	5	1	5	3	3
ENSP00000356652	ENSG00000116161	CACYBP	1296	1	184	47	0.0002814	0.0005837	-1.052465	2.25E-06	0.0004996	0.3925565	0.257965	231	12	4	6	4	7	6	7	7	9	7	6	7	9	12	9	8	4	5	6	5	4	12	10	3	8	4	3	20	15	12
ENSP00000368716	ENSG00000172766	NARG1L	1277	1	47	12	7.19E-05	0.000149	-1.051812	0.0722044	0.3337596	0.8667338	0.6614378	59	2	0	2	3	3	3	0	2	5	2	2	3	5	2	4	2	0	1	1	0	0	2	0	0	2	0	1	6	1	5
ENSP00000361425,ENS	ENSG00000130713	EXOSC2	195	1	94	24	0.0001438	0.0002981	-1.051812	0.0044925	0.0881311	0.5874155	0.125	118	5	2	5	4	3	1	5	1	3	5	2	6	8	2	6	2	1	4	5	1	2	5	3	3	7	0	3	8	7	9
ENSP00000338516,ENS	ENSG00000145741	BTF3L1,BTF	2230	1	47	12	7.19E-05	0.000149	-1.051812	0.2533061	0.5562314	1.2805177	0.9013878	59	0	0	4	1	0	2	0	1	3	1	0	2	0	1	1	0	0	8	3	1	7	2	0	6	3	0	1	3	1	8
ENSP00000345341,ENS	ENSG00000148334	PTGES2	678	1	51	13	7.80E-05	0.0001615	-1.049453	0.018745	0.1857516	0.7390402	0.1332347	64	2	1	1	0	2	2	1	0	1	2	4	2	1	1	3	1	1	2	4	1	4	3	4	4	4	0	0	5	4	4
ENSP00000303351,ENS	ENSG00000150093	ITGB1	229	1	416	106	0.0006363	0.0013165	-1.048919	0.0005358	0.0239015	0.4824356	0.3181078	522	18	19	9	11	12	8	8	7	13	22	39	24	20	22	9	23	15	8	17	10	10	23	23	13	12	7	14	38	45	23
ENSP00000229277_I23	ENSG00000111674	ENO2	3639	1	283	72	0.0004329	0.0008942	-1.046705	0.0016428	0.0490647	0.5321025	0.4228705	355	8	4	8	10	4	16	9	3	9	17	7	20	13	18	16	6	3	10	11	6	7	23	12	12	19	6	6	35	15	22
ENSP00000248125_rs2	ENSG00000167962	ZNF598	5722	1	59	15	9.02E-05	0.0001863	-1.045686	0.0741898	0.335001	0.8422657	0.8	74	0	4	1	2	1	0	3	5	3	1	1	0	4	6	3	2	3	1	2	1	1	6	4	4	1	0	0	5	9	1
ENSP00000335082,ENS	ENSG00000176853	FAM91A1	5961	774	63	16	9.64E-05	0.0001987	-1.044158	0.0518537	0.2869916	0.7794455	0.2165064	79	1	1	3	1	3	2	2	1	2	3	4	1	6	3	2	6	6	6	2	1	2	1	2	1	1	0	0	6	6	4
ENSP00000384211,ENS	ENSG00000068878	PSME4	1684	1	67	17	0.0001025	0.0002111	-1.042812	0.0194025	0.1872128	0.6832521	0.1018853	84	4	4	4	5	2	1	4	2	1	5	2	4	3	2	3	4	1	1	1	2	0	5	5	1	0	0	1	5	6	6
ENSP00000360401,ENS	ENSG00000173145	NOC3L	1131	1	99	25	0.0001514	0.0003105	-1.035938	0.0173646	0.1789486	0.6098367	0.3666061	124	4	6	1	4	1	1	5	3	1	8	10	5	5	4	3	3	2	2	2	5	6	2	4	2	5	4	1	11	5	9
ENSP00000265636,ENS	ENSG00000110075	SAPS3	5341	144	135	34	0.0002065	0.0004223	-1.032085	0.0074667	0.1115635	0.6421119	0.1018853	169	14	10	9	6	6	2	2	6	3	3	7	5	4	9	6	7	3	4	4	0	0	8	6	4	3	3	1	12	12	10
ENSP00000296679,ENS	ENSG00000164253	WDR41	1458	1	12	3	1.84E-05	3.73E-05	-1.021438	0.2301856	0.5331433	1.1393318	1.7320508	15	1	0	0	1	0	1	1	0	1	1	0	1	1	1	1	0	0	0	1	0	1	0	0	0	0	0	0	3	0	0
ENSP00000306320	ENSG00000170270	C14orf142	565	1	12	3	1.84E-05	3.73E-05	-1.021438	0.3064276	0.6112856	1.4411534	1.7320508	15	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	1	1	1	2	0	0	3	0	0
ENSP00000350740,ENS	ENSG00000155463	OXA1L	6471	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3448395	0.6494432	1.5704605	1.7320508	10	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	1	0	1	0	1	0	0	2	0	0
ENSP00000250377,ENS	ENSG00000100890	KIAA0391	916	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3607813	0.6643394	1.5704605	1.7320508	10	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	2
rev_ENSP00000361291	rev	rev	3096	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4238127	0.7185336	1.8282637	1.7320508	10	0	0	0	1	0	0	0	0	0	0	2	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	1	0	2	0
ENSP00000291634,ENS	ENSG00000160256	C21orf70	3868	1	40	10	6.12E-05	0.0001242	-1.021438	0.0227764	0.1999091	0.6845479	0.1732051	50	2	1	2	0	0	0	1	1	0	3	2	1	3	2	1	1	1	1	4	2	2	2	1	1	3	2	1	3	3	4
ENSP00000303754,ENS	ENSG00000171497	PPID	2931	1	124	31	0.0001897	0.000385	-1.021438	0.0284742	0.218163	0.7645079	0.243543	155	9	3	3	3	2	3	7	1	10	8	6	8	8	9	6	1	2	0	2	1	1	12	5	9	3	0	2	13	10	8
ENSP00000179259	ENSG00000078237	C12orf5	2996	688	48	12	7.34E-05	0.000149	-1.021438	0.0332543	0.2367055	0.8592329	0.4330127	60	7	1	3	2	1	1	0	0	1	3	3	2	1	4	1	2	0	1	2	1	1	4	2	2	2	1	0	6	3	3
ENSP00000372201	ENSG00000132406	TMEM128	2135	518	12	3	1.84E-05	3.73E-05	-1.021438	0.306264	0.6112856	1.4411534	0	15	0	0	0	0	1	0	0	0	0	1	0	1	1	0	1	2	1	2	0	1	0	0	0	0	0	1	0	1	1	1
ENSP00000290913,ENS	ENSG00000159685	CHCHD6	1962	1	12	3	1.84E-05	3.73E-05	-1.021438	0.3338424	0.6375893	1.5704605	1	15	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	2	0	1	1	0	2	0	0	2	1	0	2	1	0
ENSP00000354812_rs2	ENSG00000198917	C9orf114	3185	1	20	5	3.06E-05	6.21E-05	-1.021438	0.3465446	0.6515719	1.3286778	0.3464102	25	1	1	0	1	0	0	0	2	1	0	0	1	0	1	0	1	2	0	1	0	0	2	0	0	2	4	0	1	2	2
ENSP00000331700,ENS	ENSG00000183055	FAM133B	836	203	12	3	1.84E-05	3.73E-05	-1.021438	0.3498507	0.653139	1.6899021	1	15	2	2	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	2	1	0	2	0	0	0	1	0	1	2	0
rev_ENSP00000344314	rev	rev	2470	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3568445	0.6601202	1.5704605	1.7320508	10	1	1	0	0	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	2	0
ENSP00000251241,ENS	ENSG00000108406	DHX40	1007	238	12	3	1.84E-05	3.73E-05	-1.021438	0.361183	0.6648911	1.6899021	1	15	0	0	1	0	0	0	0	0	0	1	1	3	0	0	1	0	1	1	0	0	0	0	1	0	2	0	0	1	2	0
ENSP00000306999,ENS	ENSG00000171320	ESCO2	6371	1353	12	3	1.84E-05	3.73E-05	-1.021438	0.3638281	0.6667453	1.4411534	1	15	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1	2	1	1	0	0	0	2	1	2	0	1
ENSP00000005905,ENS	ENSG00000007202	KIAA0100	2703	1	12	3	1.84E-05	3.73E-05	-1.021438	0.3750433	0.6749536	1.6899021	1	15	2	0	0	0	0	3	1	1	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1	0	1	0	2	1
ENSP00000358854	ENSG00000148835	TAF5	2893	1	12	3	1.84E-05	3.73E-05	-1.021438	0.3815129	0.6806152	1.6899021	1	15	1	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0	3	1	0	0	1	2	0	0	1	0	2
rev_ENSP00000308208	rev	rev	1770	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3872232	0.686628	1.8282637	0.8660254	10	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	2	1	1	0	0	0	0	1	0	0	1	0	1
ENSP00000308258,ENS	ENSG00000174915	PTDSS2	5080	1097	8	2	1.22E-05	2.48E-05	-1.021438	0.3950032	0.6938122	1.8282637	0.8660254	10	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0	0	1	0	0	0	1	0	1	1	0	1	0	1
ENSP00000360761,ENS	ENSG00000169692	AGPAT2	183	39	8	2	1.22E-05	2.48E-05	-1.021438	0.4037647	0.7019328	1.8282637	0.8660254	10	1	0	0	2	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
ENSP00000291900,ENS	ENSG00000160445	ZER1	5594	103	8	2	1.22E-05	2.48E-05	-1.021438	0.4243564	0.7186254	1.8282637	1.7320508	10	0	1	0	0	0	0	0	1	0	0	0	1	0	0	1	2	0	0	0	0	0	1	0	0	0	0	1	2	0	0
rev_ENSP00000310227	rev	rev	2307	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4779269	0.7540349	2.0539596	1.7320508	10	0	0	0	0	0	1	0	1	2	0	0	0	0	0	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	2
ENSP00000356794	ENSG00000112339	HBS1L	4136	1	28	7	4.28E-05	8.69E-05	-1.021438	0.0299504	0.22464	0.7315228	0.2474358	35	2	1	0	2	2	2	1	1	2	1	1	0	1	2	2	0	1	0	1	0	1	1	2	0	1	0	1	3	2	2
ENSP00000288063	ENSG00000157344	EXOSC6	2913	1	48	12	7.34E-05	0.000149	-1.021438	0.0430554	0.2668123	0.7535971	0	60	5	2	1	0	2	1	3	0	3	2	1	2	1	1	3	1	0	1	2	3	2	2	0	1	5	3	1	4	4	4
ENSP00000339529_rs1	ENSG00000104356	POP1	5556	1	80	20	0.0001224	0.0002484	-1.021438	0.051227	0.2861005	0.7096857	0.7088723	100	2	1	0	3	5	3	2	5	3	2	2	3	2	8	2	3	4	2	7	7	5	2	4	0	0	2	1	3	12	5
rev_ENSP00000318480	rev	rev	2692	628	8	2	1.22E-05	2.48E-05	-1.021438	0.430958	0.7219212	1.8282637	0.8660254	10	0	0	0	0	0	2	0	1	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	1	1
rev_ENSP00000261973	rev	rev	3533	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4320893	0.72215	2.0539596	0.8660254	10	0	1	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	0	1
ENSP00000375804	ENSG00000104884	ERCC2	3135	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4353576	0.7243064	2.0539596	0.8660254	10	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	2	2	0	0	1	0	1
rev_ENSP00000304604	rev	rev	4599	999	8	2	1.22E-05	2.48E-05	-1.021438	0.4352702	0.7243064	2.0539596	0.8660254	10	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	2	0	1	1	0	0	1	1
ENSP00000263549,ENS	ENSG00000059378	PARP12	351	80	8	2	1.22E-05	2.48E-05	-1.021438	0.4362859	0.7245415	1.8282637	0.8660254	10	0	1	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0
ENSP00000370056,ENS	ENSG00000157833	FAM59B	2539	588	8	2	1.22E-05	2.48E-05	-1.021438	0.4380182	0.7247999	2.2572	0.8660254	10	3	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0
ENSP00000344275,ENS	ENSG00000108100	CCNY	317	73	8	2	1.22E-05	2.48E-05	-1.021438	0.4438333	0.7297059	2.2572	0.8660254	10	3	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1
rev_ENSP00000337194	rev	rev	3117	1	8	2	1.22E-05	2.48E-05	-1.021438	0.446661	0.7321445	2.0539596	0.8660254	10	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	1	1	0	0	0	0	1	1	0
ENSP00000273179,ENS	ENSG00000144677	CTDSPL	3368	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4533395	0.7375968	1.8282637	1.7320508	10	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	1	0	2	2	0	0
rev_ENSP00000316357	rev	rev	6327	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4536251	0.737693	2.0539596	0.8660254	10	1	0	0	1	0	0	2	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0
ENSP00000360098,ENS	ENSG00000116678	LEPR	1211	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4445796	0.730141	2.0539596	0.8660254	10	0	0	2	0	2	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0
ENSP00000353575,ENS	ENSG00000070785	EIF2B3	5522	1	32	8	4.89E-05	9.94E-05	-1.021438	0.0801888	0.3459025	0.7774426	0.7806247	40	2	2	1	2	1	1	3	1	4	0	1	1	1	1	1	1	1	2	1	0	2	1	0	1	0	0	1	5	1	2
ENSP00000260502,ENS	ENSG00000137936	BCAR3	6117	1	12	3	1.84E-05	3.73E-05	-1.021438	0.4383525	0.7249953	1.9064667	1	15	0	0	0	3	1	0	0	0	0	3	0	0	0	1	0	0	1	1	1	0	0	1	0	0	0	0	0	1	0	2
ENSP00000313350,ENS	ENSG00000171865	RNASEH1	2709	1	8	2	1.22E-05	2.48E-05	-1.021438	0.477036	0.7540349	2.2572	1.7320508	10	0	1	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	3	0	0	2	0	0
rev_ENSP00000354718	rev	rev	1069	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4759771	0.7538784	2.4435945	0.8660254	10	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1	2	0	1	0	0	1	1	0
rev_ENSP00000374484	rev	rev	1105	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4615546	0.7429821	2.0539596	0.8660254	10	0	0	0	0	0	0	0	0	2	1	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	1
ENSP00000340271,ENS	ENSG00000165632	TAF3	1297	303	8	2	1.22E-05	2.48E-05	-1.021438	0.4744643	0.7530397	2.0539596	1.7320508	10	0	0	2	0	0	0	0	0	0	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0
ENSP00000301323,ENS	ENSG00000160957	RECQL4	5480	1185	16	4	2.45E-05	4.97E-05	-1.021438	0.4210367	0.7161693	2.1579738	0.4330127	20	1	1	0	0	0	0	0	1	1	0	1	0	0	6	1	0	1	0	0	0	0	0	0	0	3	0	0	1	1	2
ENSP00000281243	ENSG00000151552	QDPR	2061	1	40	10	6.12E-05	0.0001242	-1.021438	0.0712411	0.3311439	0.9613692	0.6928203	50	3	1	2	2	1	1	0	1	1	2	4	1	0	3	1	0	0	0	2	0	1	3	6	2	2	0	1	6	2	2
ENSP00000287025	ENSG00000156469	MTERFD1	4738	1	36	9	5.51E-05	0.0001118	-1.021438	0.0829133	0.3502038	0.8576578	0.5773503	45	2	0	2	0	0	1	2	1	1	1	1	4	3	1	1	0	1	1	1	3	1	4	1	2	0	2	[illegible]	1	4	4
ENSP00000328671,ENS	ENSG00000160193	WDR4	3049	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4844744	0.7566863	2.2572	1.7320508	10	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	2	0	0
rev_ENSP00000307939	rev	rev	1489	1	24	6	3.67E-05	7.45E-05	-1.021438	0.0835071	0.351766	0.8449511	0.5	30	1	0	1	1	0	2	0	0	2	1	1	2	1	1	2	1	0	0	2	0	1	1	0	1	1	0	2	2	1	3
ENSP00000361941,ENS	ENSG00000167118	URM1	3052	701	20	5	3.06E-05	6.21E-05	-1.021438	0.0994829	0.3736631	0.8854595	0.9165151	25	2	0	1	1	1	1	2	0	1	1	1	1	1	0	1	2	0	1	0	0	0	0	1	0	1	0	1	3	0	2
ENSP00000300682,ENS	ENSG00000167280	ENGASE	4868	1	12	3	1.84E-05	3.73E-05	-1.021438	0.4629588	0.7439552	2.100824	1	15	0	1	1	0	0	0	0	1	0	0	0	4	0	0	0	0	0	0	1	0	0	0	2	2	0	0	0	1	2	0
ENSP00000385158,ENS	ENSG00000170264	FAM161A	6509	1	8	2	1.22E-05	2.48E-05	-1.021438	0.5277838	0.7797708	2.2572	0.8660254	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	1	1	0	1	0	1	0	1	0	1
ENSP00000356584,ENS	ENSG00000169905	TOR1AIP2	5423	1	68	17	0.000104	0.0002111	-1.021438	0.0920644	0.3651783	0.910578	0.4441079	85	3	1	2	1	0	0	1	3	7	0	3	2	5	8	7	0	0	2	2	4	6	2	3	1	2	2	1	6	8	3
ENSP00000298746_rs3	ENSG00000165832	TRUB1	6261	1	36	9	5.51E-05	0.0001118	-1.021438	0.1017246	0.3772962	0.9756655	0.3333333	45	1	0	1	1	2	1	1	0	0	5	3	2	3	3	1	0	2	0	2	0	2	3	2	1	0	0	0	3	2	4
ENSP00000371729,ENS	ENSG00000151835	SACS	2276	1	12	3	1.84E-05	3.73E-05	-1.021438	0.4660008	0.7471845	2.1915485	1	15	0	0	0	0	2	1	2	0	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
ENSP00000357804,ENS	ENSG00000159445	THEM4	1804	1	20	5	3.06E-05	6.21E-05	-1.021438	0.1310478	0.4175705	0.9613692	0.6928203	25	0	0	0	2	2	2	1	0	0	0	1	1	0	0	1	2	1	1	1	1	1	1	1	1	0	0	0	1	1	3
ENSP00000386177	ENSG00000100320	RBM9	5516	557	20	5	3.06E-05	6.21E-05	-1.021438	0.1203331	0.4027388	1.0317088	0.6928203	25	2	2	0	0	0	0	1	0	1	1	2	1	1	2	1	1	0	0	0	1	0	1	0	0	2	1	0	3	1	1
ENSP00000372191,ENS	ENSG00000142082	SIRT3	3433	1	28	7	4.28E-05	8.69E-05	-1.021438	0.1064384	0.383813	0.9448593	0.4948717	35	2	0	2	1	0	1	1	0	2	2	0	2	0	2	2	0	0	0	0	0	0	3	1	2	2	1	2	1	3	3
ENSP00000334304	ENSG00000186076	PGAM4	950	1	48	12	7.34E-05	0.000149	-1.021438	0.1003846	0.3752708	0.9403802	0.25	60	3	1	4	0	0	4	2	0	2	2	0	5	1	1	4	1	0	4	0	0	2	2	4	4	2	0	0	5	3	4
ENSP00000343042,ENS	ENSG00000080603	SRCAP	773	1	36	9	5.51E-05	0.0001118	-1.021438	0.1379493	0.422012	0.9975933	0.8819171	45	0	3	1	1	2	1	3	0	2	1	0	0	2	5	2	3	0	0	1	3	1	0	3	0	1	1	0	2	6	1
ENSP00000339916,ENS	ENSG00000182541	LIMK2	2310	1	16	4	2.45E-05	4.97E-05	-1.021438	0.1567102	0.4472627	1.0733328	0.8660254	20	1	0	2	1	1	1	1	0	1	1	1	1	0	0	1	0	0	1	0	0	0	2	0	1	0	0	0	2	0	2
ENSP00000269468,ENS	ENSG00000141644	MBD1	1492	1	20	5	3.06E-05	6.21E-05	-1.021438	0.1750766	0.4704077	1.0975497	0.9165151	25	1	0	1	1	0	0	0	1	0	0	1	0	1	1	2	0	0	1	2	3	1	0	2	1	1	0	0	3	0	2
ENSP00000298198,ENS	ENSG00000165434	PGM2L1	888	211	8	2	1.22E-05	2.48E-05	-1.021438	0.5641962	0.8023165	2.6167453	1.7320508	10	0	0	0	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
ENSP00000258607,ENS	ENSG00000136108	CKAP2	2501	580	24	6	3.67E-05	7.45E-05	-1.021438	0.1384872	0.4230616	1.0030003	0.5	30	1	1	2	2	0	0	0	1	1	0	0	3	2	2	1	1	0	2	1	0	0	0	0	1	1	0	2	3	1	2
ENSP00000362159,ENS	ENSG00000148339	SLC25A25	6447	1	16	4	2.45E-05	4.97E-05	-1.021438	0.1713931	0.464553	1.1709371	0.4330127	20	1	0	1	0	2	2	1	0	0	1	2	0	0	1	1	1	0	0	0	0	1	1	0	0	1	0	0	1	1	2
ENSP00000298728,ENS	ENSG00000181090	EHMT1	5157	327	16	4	2.45E-05	4.97E-05	-1.021438	0.1730967	0.4672104	1.2610092	0.4330127	20	3	0	1	1	1	1	0	0	0	0	1	0	2	1	1	0	0	0	1	0	0	1	0	1	0	0	1	2	1	1
rev_ENSP00000262707	rev	rev	1315	1	12	3	1.84E-05	3.73E-05	-1.021438	0.2254839	0.5284552	1.2990381	1	15	0	0	1	0	0	0	0	0	0	0	0	0	2	1	0	0	1	1	1	0	1	1	1	1	1	0	1	2	1	0
ENSP00000361993	ENSG00000126953	TIMM8A	4490	1	24	6	3.67E-05	7.45E-05	-1.021438	0.1841147	0.4825508	1.050412	0.5	30	0	1	0	0	0	0	1	1	2	2	0	0	1	1	0	3	0	0	2	3	1	1	0	1	1	2	1	2	3	1
ENSP00000265614,ENS	ENSG00000104299	INTS9	5218	1128	12	3	1.84E-05	3.73E-05	-1.021438	0.2436965	0.5474603	1.2990381	1	15	0	0	1	1	0	0	0	0	0	0	2	0	0	1	0	0	1	1	1	0	1	1	1	1	0	0	0	0	1	2
ENSP00000263836	ENSG00000115761	NOL10	5613	1	8	2	1.22E-05	2.48E-05	-1.021438	0.2814148	0.5857608	1.5704605	0.8660254	10	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	1	0	0	0	1	1	0
ENSP00000381903	ENSG00000214760	RPL21P7	753	1	8	2	1.22E-05	2.48E-05	-1.021438	0.2944917	0.6000174	1.5704605	0.8660254	10	1	0	1	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1
ENSP00000281950,ENS	ENSG00000152147	GEMIN6	2830	1	12	3	1.84E-05	3.73E-05	-1.021438	0.2364883	0.5407637	1.2990381	0	15	1	2	0	1	0	1	0	0	0	0	1	1	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	1	1	1
rev_ENSP00000264779	rev	rev	4411	965	16	4	2.45E-05	4.97E-05	-1.021438	0.2232322	0.5250673	1.2610092	0.4330127	20	1	1	0	0	1	0	0	0	0	0	2	0	0	1	0	0	0	1	1	2	2	1	2	0	0	1	0	1	2	1
ENSP00000011700,ENS	ENSG00000048707	VPS13D	129	1	16	4	2.45E-05	4.97E-05	-1.021438	0.2351871	0.5394547	1.3450631	0.4330127	20	0	0	0	0	1	0	0	2	0	0	3	0	0	1	1	1	0	1	2	1	1	1	0	0	1	0	0	1	1	2
ENSP00000358497	ENSG00000111880	RNGTT	569	1	28	7	4.28E-05	8.69E-05	-1.021438	0.182928	0.4810987	1.2395561	0.2474358	35	0	3	0	1	1	0	0	1	1	1	4	0	2	0	0	1	0	1	1	3	0	4	3	0	0	1	0	3	2	2
ENSP00000264712,ENS	ENSG00000084731	KIF3C	2750	1	12	3	1.84E-05	3.73E-05	-1.021438	0.2677914	0.5725077	1.2990381	1	15	1	1	0	1	0	2	1	0	1	1	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0	2
ENSP00000355299_rs2	ENSG00000198860	TSEN15	5025	404	8	2	1.22E-05	2.48E-05	-1.021438	0.3575765	0.6610547	1.5704605	1.7320508	10	0	1	1	0	0	0	1	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
ENSP00000351650	ENSG00000112664	NUDT3	699	1	12	3	1.84E-05	3.73E-05	-1.021438	0.2767129	0.5805515	1.4411534	1	15	2	1	1	0	0	0	0	0	0	1	1	2	1	0	0	0	0	1	0	0	0	1	0	0	0	0	1	2	0	1
ENSP00000339958,ENS	ENSG00000010322	NISCH	2787	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3644207	0.6672277	1.5704605	1.7320508	10	1	1	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	2	0	0
ENSP00000312250,ENS	ENSG00000159322	ADPGK	4480	975	12	3	1.84E-05	3.73E-05	-1.021438	0.2995486	0.6043018	1.4411534	1	15	1	0	0	0	0	0	0	0	1	2	0	0	1	0	1	1	1	2	1	0	0	0	0	0	1	0	0	2	0	1
ENSP00000252595,ENS	ENSG00000130304	SLC27A1	3244	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3283009	0.6324483	1.5704605	0.8660254	10	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	1	1	0
ENSP00000336756,ENS	ENSG00000173611	C9orf126	1674	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3314293	0.6354427	1.5704605	0.8660254	10	1	0	1	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
rev_ENSP00000343930	rev	rev	677	158	12	3	1.84E-05	3.73E-05	-1.021438	0.2997142	0.6043018	1.5704605	1	15	1	0	1	0	0	1	0	0	1	1	0	0	1	0	0	0	0	0	2	0	0	2	0	2	1	0	0	2	0	1
ENSP00000330460,ENS	ENSG00000118197	DDX59	3445	784	8	2	1.22E-05	2.48E-05	-1.021438	0.3335495	0.6374436	1.5704605	0.8660254	10	0	0	1	0	1	0	1	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	1	1	0
rev_ENSP00000220959	rev	rev	1524	1	12	3	1.84E-05	3.73E-05	-1.021438	0.3187609	0.6254785	1.5704605	1	15	1	1	2	1	2	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	1	0	2
ENSP00000261623_rs1(	ENSG00000051523	CYBA	4468	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3568683	0.6601202	1.8282637	0.8660254	10	2	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	1
ENSP00000260045,ENS	ENSG00000137492	PRKRIR	3883	882	8	2	1.22E-05	2.48E-05	-1.021438	0.348983	0.652822	1.5704605	0.8660254	10	1	0	0	1	0	0	0	0	0	0	1	1	0	1	0	1	0	0	0	1	0	0	0	0	0	1	0	1	0	1
rev_ENSP00000198939	rev	rev	4982	1	12	3	1.84E-05	3.73E-05	-1.021438	0.3213542	0.6272041	1.4411534	1	15	0	1	0	1	0	0	0	0	0	1	1	1	0	2	0	0	0	1	0	1	0	0	0	0	1	0	2	0	1	2
ENSP00000253669,ENS	ENSG00000131351	HICE1	1584	1	12	3	1.84E-05	3.73E-05	-1.021438	0.3302366	0.6340893	1.6899021	1	15	1	0	1	1	0	0	1	0	0	1	0	0	0	3	0	0	0	0	0	0	0	1	2	1	0	0	0	0	2	1
ENSP00000371221,ENS	ENSG00000139505	MTMR6	849	204	16	4	2.45E-05	4.97E-05	-1.021438	0.2912413	0.596819	1.4241647	0.4330127	20	1	1	1	3	0	1	1	1	0	1	0	1	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	2
ENSP00000368976,ENS	ENSG00000140859	KIFC3	4614	1	12	3	1.84E-05	3.73E-05	-1.021438	0.3330134	0.6367928	1.5704605	0	15	1	1	1	1	1	1	1	0	0	3	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
ENSP00000261497_K35	ENSG00000124422	USP22	5499	1	12	3	1.84E-05	3.73E-05	-1.021438	0.3137967	0.6202604	1.6899021	0	15	3	1	0	0	0	0	1	1	0	0	1	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	1	1	1
ENSP00000223341,ENS	ENSG00000106608		5034	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4018945	0.7000249	1.8282637	1.7320508	10	1	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	1	0	0	0	0	0	0	1	0	0	2	0	0
ENSP00000265651,ENS	ENSG00000110429	FBXO3	401	88	8	2	1.22E-05	2.48E-05	-1.021438	0.3787685	0.6782841	1.8282637	0.8660254	10	0	0	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	1	0	1	0	1	1	0	0	0	0	1	0	1
ENSP00000358251,ENS	ENSG00000151553	FAM160B1	4700	1022	12	3	1.84E-05	3.73E-05	-1.021438	0.3484166	0.6524617	1.6899021	1	15	0	0	0	0	0	0	1	0	1	1	2	1	3	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	2
ENSP00000285848,ENS	ENSG00000155463	OXA1L	6087	1	8	2	1.22E-05	2.48E-05	-1.021438	0.4144339	0.7103179	1.8282637	1.7320508	10	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	2	1	0	0	0	1	0	1	0	0	2	0	0
ENSP00000305769,ENS	ENSG00000170365	SMAD1	5120	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3925808	0.6915522	1.5704605	1.7320508	10	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	1	1	2	0	0
ENSP00000304009,ENS	ENSG00000095787	WAC	5821	1	8	2	1.22E-05	2.48E-05	-1.021438	0.3801333	0.6786755	1.8282637	0.8660254	10	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	2	0	0	1	1	0	0	0	1	1	0	1
ENSP00000310623,ENS	ENSG00000136003	ISCU	3875	877	8	2	1.22E-05	2.48E-05	-1.021438	0.3781673	0.6776952	1.8282637	0.8660254	10	0	0	0	0	0	0	1	0	0	0	0	1	0	1	2	0	0	1	0	1	0	1	0	0	0	0	0	1	0	1
ENSP00000254846,ENS	ENSG00000132510	JMJD3	5084	1	8	2	1.22E-05	2.48E-05	-1.021438	0.361851	0.6651171	1.5704605	0.8660254	10	0	0	0	0	0	1	1	1	0	1	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1
ENSP00000348697,ENS	ENSG00000156515	HK1	2119	1	338	84	0.000517	0.0010433	-1.012876	0.0006124	0.0265914	0.4349252	0.4460713	422	6	2	5	11	15	15	11	3	13	17	18	19	17	13	14	18	9	15	15	4	9	20	13	14	21	5	16	42	18	24
ENSP00000326804,ENS	ENSG00000055130	CUL1	364	1	117	29	0.000179	0.0003602	-1.009055	0.0082558	0.1171454	0.617231	0.4180812	146	8	2	8	3	1	4	3	1	5	6	6	5	1	7	8	5	3	4	6	0	5	4	4	3	11	0	4	14	6	9
ENSP00000284811	ENSG00000154582	TCEB1	3228	1	117	29	0.000179	0.0003602	-1.009055	0.0024016	0.0603929	0.4615385	0.1580199	146	6	4	5	2	4	5	2	5	7	7	6	5	2	3	8	2	0	5	2	4	5	4	4	6	8	3	3	11	10	8
ENSP00000274562,ENS	ENSG00000133706	LARS	2968	1	440	109	0.000673	0.0013538	-1.008263	0.0013918	0.04422	0.4843199	0.2942939	549	13	8	11	14	27	27	9	5	7	24	27	35	12	11	12	25	13	18	19	12	14	25	23	20	13	5	11	48	27	34
ENSP00000378729_N55	ENSG00000109107	ALDOC	4715	1	312	77	0.0004772	0.0009563	-1.002823	0.0649077	0.3201457	0.9383104	0.3843805	389	20	6	14	8	24	13	0	1	1	21	20	22	0	0	1	7	6	16	13	3	8	40	35	16	15	0	2	37	21	19
ENSP00000285873,ENS	ENSG00000082516	GEMIN5	3605	1	215	53	0.0003289	0.0006583	-1.001166	0.0021386	0.0552734	0.519518	0.1729274	268	9	9	9	6	2	1	14	8	12	7	11	7	14	13	13	7	1	4	14	8	7	13	7	5	9	1	4	21	15	17
ENSP00000210313	ENSG00000095261	PSMD5	3023	1	187	46	0.000286	0.0005713	-0.998106	0.0002222	0.0128853	0.3922098	0.1641268	233	7	5	6	9	8	11	9	6	8	8	6	8	9	4	10	7	7	7	7	3	4	12	11	8	3	1	3	18	13	15

ENSP00000267176,ENS	ENSG00000139697	SBNO1	3999	901	61	15	9.33E-05	0.0001863	-0.997591	0.1344355	0.418722	0.9396878	0.8717798	76	5	4	5	6	2	1	4	0	3	5	2	1	5	6	3	4	0	0	1	2	1	0	0	0	0	1	0	2	10	3
ENSP00000336922,ENS	ENSG00000140264	SERF2	3785	1	118	29	0.0001805	0.0003602	-0.996776	0.0028776	0.0659545	0.5501349	0.3325397	147	9	3	5	5	4	6	3	3	5	6	6	7	6	6	8	1	2	4	8	1	4	5	3	1	6	0	1	12	6	11
ENSP00000368887	ENSG00000111845	PAK1IP1	442	99	57	14	8.72E-05	0.0001739	-0.995903	0.0374238	0.2501767	0.7235646	0.4460713	71	3	1	3	2	0	2	2	0	2	5	2	6	3	2	4	2	0	3	3	0	3	3	1	1	3	0	1	7	3	4
ENSP00000220592,ENS	ENSG00000123908	EIF2C2	4033	1	57	14	8.72E-05	0.0001739	-0.995903	0.1031858	0.3799033	0.8547881	0.6888322	71	3	1	5	1	1	5	2	0	1	4	3	3	3	0	5	5	0	5	2	1	1	2	1	3	0	0	0	1	7	6
ENSP00000378729	ENSG00000109107	ALDOC	4714	1	322	79	0.0004925	0.0009812	-0.994302	0.0677495	0.3256478	0.9368834	0.3878874	401	20	7	15	9	25	14	0	1	1	21	22	23	0	0	1	8	6	16	12	3	7	41	36	17	15	0	2	38	22	19
ENSP00000362456	ENSG00000102390	CXorf26	1380	1	90	22	0.0001377	0.0002732	-0.989017	0.0150794	0.1652492	0.7157567	0.2838635	112	8	3	4	5	5	2	3	1	1	5	5	2	4	8	4	3	2	3	0	0	0	8	5	4	4	0	1	9	5	8
ENSP00000353558	ENSG00000187735	TCEA1,TCEA	5852	1	176	43	0.0002692	0.0005341	-0.988271	0.0018995	0.052201	0.4367558	0.2819618	219	8	9	8	4	7	8	4	2	4	3	11	10	6	5	5	10	5	8	10	13	7	6	4	4	8	5	2	15	18	10
ENSP00000350710,ENS	ENSG00000153310	FAM49B	3116	1	127	31	0.0001943	0.000385	-0.98695	0.0141341	0.1591551	0.5771713	0.243543	158	4	2	8	1	4	5	5	1	5	8	3	9	3	6	10	2	4	10	5	2	6	5	7	6	3	0	3	13	8	10
ENSP00000313454,ENS	ENSG00000033178	UBA6	921	1	209	51	0.0003197	0.0006334	-0.986504	0.0031445	0.0701371	0.4841583	0.1764706	260	4	1	5	12	8	11	9	5	15	9	11	12	11	6	9	14	5	9	8	2	8	9	7	6	9	0	4	20	14	17
ENSP00000356480,ENS	ENSG00000121481	RNF2	1026	1	41	10	6.27E-05	0.0001242	-0.985814	0.0271837	0.2115262	0.4958529	0.6244998	51	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	4	2	2	3	2	1	1	2	2	2	1	4	5
ENSP00000351209,ENS	ENSG00000142627	EPHA2	5468	1	205	50	0.0003136	0.000621	-0.985814	0.038108	0.2517147	0.6115306	0.2835489	255	3	4	0	5	2	3	5	7	5	10	14	11	5	3	7	8	10	9	17	16	10	4	3	5	15	13	11	22	13	15
ENSP00000374121,ENS	ENSG00000164880	INTS1	1608	1	41	10	6.27E-05	0.0001242	-0.985814	0.1175479	0.3983295	0.9016527	0.6244998	51	0	0	1	4	2	0	4	1	1	1	2	4	4	3	2	2	0	0	1	3	1	0	1	1	2	1	0	5	4	1
ENSP00000325313,ENS	ENSG00000130479	MAP1S	5985	1270	41	10	6.27E-05	0.0001242	-0.985814	0.1052545	0.3832958	0.9555393	0.1732051	51	2	0	0	2	1	3	1	2	3	2	2	3	5	4	3	0	0	2	3	0	2	0	0	0	1	0	0	4	3	3
ENSP00000242577,ENS	ENSG00000205579		6364	1	78	19	0.0001193	0.000236	-0.983964	0.0166323	0.1730449	0.6878555	0.5075606	97	3	6	1	1	4	2	1	1	3	1	4	2	2	6	3	0	0	2	5	2	3	6	7	2	6	2	3	10	5	4
ENSP00000346027,ENS	ENSG00000122026	RPL21P69,R	752	1	74	18	0.0001132	0.0002236	-0.98191	0.0393093	0.2533377	0.7545167	0.5773503	92	4	0	6	0	1	2	2	0	2	1	6	4	3	2	6	2	0	3	4	0	4	3	6	4	6	1	2	10	4	4
ENSP00000370734,ENS	ENSG00000169093	ASMTL	1847	1	37	9	5.66E-05	0.0001118	-0.98191	0.2249491	0.5273914	1.2823989	0	46	1	0	1	2	0	0	0	0	2	4	4	5	2	4	5	1	1	0	0	0	0	1	4	0	0	0	0	3	3	3
ENSP00000261776,ENS	ENSG00000103043	VAC14	908	1	66	16	0.000101	0.0001987	-0.977044	0.0365779	0.2479002	0.8049631	0.286411	82	3	2	1	1	2	3	2	2	0	2	4	1	5	5	2	0	2	2	5	1	3	7	7	3	0	1	0	4	7	5
ENSP00000246505,ENS	ENSG00000126226	PCID2	2275	1	33	8	5.05E-05	9.94E-05	-0.977044	0.1436073	0.4294371	0.9977725	0.2165064	41	1	0	1	5	2	1	0	0	1	0	1	1	3	1	1	4	2	1	2	1	0	2	1	0	1	0	1	2	3	3
ENSP00000295746,ENS	ENSG00000163507	KIAA1524	937	1	33	8	5.05E-05	9.94E-05	-0.977044	0.1407516	0.4249953	0.9716254	0.7806247	41	2	0	1	1	0	1	2	1	4	1	0	2	2	4	2	3	0	0	0	1	0	2	2	0	0	1	1	2	1	5
ENSP00000348138,ENS	ENSG00000152726	FAM21B	1631	1	29	7	4.44E-05	8.69E-05	-0.970812	0.0812822	0.3480546	0.8535387	0.8921426	36	1	1	0	1	2	1	1	2	1	2	1	0	2	1	1	0	1	1	1	0	1	4	2	0	2	0	0	4	0	3
ENSP00000220003	ENSG00000103653	CSK	5634	1	58	14	8.87E-05	0.0001739	-0.970812	0.1073161	0.383813	0.9102454	0.1237179	72	0	0	2	6	6	4	3	3	1	3	0	3	4	0	0	5	0	3	2	1	1	5	2	3	0	0	1	5	5	4
ENSP00000373286,ENS	ENSG00000206560	ANKRD28	5496	1	29	7	4.44E-05	8.69E-05	-0.970812	0.2090719	0.5070075	1.2891983	0.6546537	36	1	0	2	0	0	1	0	0	1	1	1	0	1	1	3	0	0	1	2	0	1	5	1	2	5	0	0	2	1	4
ENSP00000337159_rs2	ENSG00000039319	ZFYVE16	1639	1	29	7	4.44E-05	8.69E-05	-0.970812	0.2353126	0.5394547	1.1812353	0.6546537	36	1	0	0	1	0	1	4	0	3	1	2	2	3	2	4	1	0	0	0	0	0	1	1	2	0	0	0	1	2	4
ENSP00000263780	ENSG00000083937	CHMP2B	5937	1	29	7	4.44E-05	8.69E-05	-0.970812	0.2466446	0.5488983	1.263073	0.6546537	36	2	3	0	0	0	0	0	3	1	0	1	0	0	3	0	0	1	2	2	4	0	4	0	0	2	0	1	4	1	2
ENSP00000216277,ENS	ENSG00000090060	PAPOLA	1589	1	112	27	0.0001713	0.0003353	-0.968971	0.0028829	0.0659545	0.4520118	0.4843221	139	7	4	6	4	5	7	4	1	4	7	6	6	4	3	6	3	2	3	6	2	3	3	5	2	6	1	2	7	6	14
ENSP00000347581,ENS	ENSG00000006530	AGK	3776	1	83	20	0.000127	0.0002484	-0.968327	0.0099445	0.1306521	0.5482513	0.3464102	103	4	3	3	1	2	0	2	1	2	0	6	5	2	5	1	3	4	3	5	5	4	3	3	4	6	2	4	8	8	4
ENSP00000348889	ENSG00000197043	ANXA6	3067	1	324	78	0.0004956	0.0009688	-0.96699	0.1038197	0.3813178	0.9072947	0.1762529	402	33	33	28	10	17	17	7	9	15	13	22	13	14	13	11	0	1	1	3	0	0	0	0	0	34	10	20	30	21	27
ENSP00000373918,ENS	ENSG00000106105	GARS	3202	1	266	64	0.0004069	0.0007949	-0.966156	0.0037935	0.0794442	0.4648962	0.4430452	330	9	3	11	8	5	14	6	6	13	6	12	13	13	7	18	10	6	17	9	3	10	10	13	20	14	3	7	32	14	18
ENSP00000341189,ENS	ENSG00000169398	PTK2	1698	1	79	19	0.0001208	0.000236	-0.965585	0.0502687	0.2832183	0.6562212	0.5075606	98	2	3	1	4	3	5	2	3	3	4	5	4	8	2	3	5	7	2	2	1	0	2	3	3	1	0	1	4	10	5
ENSP00000361296,ENS	ENSG00000142945	KIF2C	5096	1	75	18	0.0001147	0.0002236	-0.962545	0.0545462	0.2931184	0.6796379	0.2886751	93	3	4	3	5	3	2	3	7	4	3	1	1	6	7	1	3	3	3	2	4	1	2	2	0	0	1	1	5	5	8
ENSP00000339637,ENS	ENSG00000106009	C7orf27	216	1	25	6	3.82E-05	7.45E-05	-0.962545	0.0564398	0.2990846	0.788299	0	31	1	2	1	0	1	1	0	0	1	2	1	2	1	1	2	0	0	0	1	1	0	2	2	1	1	0	1	2	2	2
ENSP00000226004	ENSG00000108861	DUSP3	5828	1	25	6	3.82E-05	7.45E-05	-0.962545	0.0838232	0.3520051	0.788299	0.5	31	1	2	2	2	1	1	1	0	1	2	1	0	2	0	1	1	1	1	0	0	0	1	1	2	1	0	0	3	1	2
ENSP00000365045_H31	ENSG00000204434	ACTBL3	3633	1	25	6	3.82E-05	7.45E-05	-0.962545	0.4373003	0.7247384	1.7953787	1	31	1	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	4	2	0	0	1	0	6	5	0	3	2	0	4
ENSP00000365830	ENSG00000198142	ANKRD57	2670	1	25	6	3.82E-05	7.45E-05	-0.962545	0.1359668	0.4206753	0.8432903	0.8660254	31	1	1	1	1	0	2	0	1	2	0	1	1	2	1	0	1	2	0	1	2	1	0	0	2	2	0	0	1	4	1
ENSP00000324287,ENS	ENSG00000114331	ACAP2	2554	1	50	12	7.65E-05	0.000149	-0.962545	0.1298389	0.4151274	0.9073546	0.4330127	62	0	2	1	6	2	6	0	1	2	2	5	3	2	1	3	3	2	0	1	0	1	2	2	2	0	0	1	3	3	6
ENSP00000260188	ENSG00000048028	USP28	6052	1	25	6	3.82E-05	7.45E-05	-0.962545	0.1316951	0.4183139	1.0344229	0.5	31	4	0	1	0	0	1	2	0	0	1	0	1	0	2	2	1	0	1	1	0	0	2	2	1	1	1	1	2	1	3
ENSP00000384375_R30	ENSG00000115211	EIF2B4	5748	1	25	6	3.82E-05	7.45E-05	-0.962545	0.1474942	0.434913	0.8432903	1	31	0	1	1	0	0	3	2	2	1	1	1	1	2	0	2	1	1	1	1	1	0	0	1	1	0	1	0	4	0	2
ENSP00000332340,ENS	ENSG00000182810	DDX28	6465	1	25	6	3.82E-05	7.45E-05	-0.962545	0.1777614	0.4723624	1.0769187	0.5	31	2	3	1	1	0	0	0	1	0	1	4	1	0	0	0	1	1	0	1	2	1	2	1	1	0	1	0	2	3	1
ENSP00000362381,ENS	ENSG00000160404	TOR2A	578	1	25	6	3.82E-05	7.45E-05	-0.962545	0.2505837	0.5523018	1.268215	0.5	31	0	0	0	1	1	2	2	0	4	0	1	1	3	0	0	3	0	0	1	0	1	3	1	0	0	0	1	1	3	2
ENSP00000155674,ENS	ENSG00000069998	CECR5	1675	1	146	35	0.0002233	0.0004347	-0.960897	0.0045592	0.0883381	0.4735982	0.557692	181	6	2	7	3	4	5	5	3	8	5	6	6	6	6	7	1	1	3	9	5	12	7	7	6	9	2	5	18	5	12
ENSP00000319664	ENSG00000090273	NUDC	3925	1	547	131	0.0008367	0.001627	-0.959464	1.47E-05	0.0021337	0.3360599	0.0736157	678	27	21	15	25	21	18	11	28	25	18	30	26	26	37	18	22	16	18	24	16	10	24	22	9	17	9	14	45	46	40
ENSP00000337445,ENS	ENSG00000006744	ELAC2	588	1	92	22	0.0001407	0.0002732	-0.957308	0.0209593	0.1943585	0.6966835	0.4165978	114	2	1	4	1	2	3	4	1	6	4	4	6	5	5	5	1	0	2	6	1	3	10	4	5	6	0	1	10	4	8
ENSP00000369498	ENSG00000057608	GDI2	3394	1	138	33	0.0002111	0.0004099	-0.957308	0.0211878	0.1957396	0.7185306	0.4165978	171	12	6	7	3	9	7	2	2	2	3	4	7	2	3	8	1	3	8	6	1	3	17	7	5	5	1	4	15	6	12
ENSP00000243326_rs2	ENSG00000080345	RIF1	4384	1	205	49	0.0003136	0.0006086	-0.956668	0.1088255	0.3850758	0.7416917	0.1540783	254	10	10	8	5	0	2	7	8	15	5	1	3	8	5	8	9	2	2	19	12	2	5	6	2	17	21	13	14	19	16
ENSP00000363500,ENS	ENSG00000169504	CLIC4	4813	1	159	38	0.0002432	0.000472	-0.956483	0.0141386	0.1591551	0.6055851	0.7907884	197	12	6	7	2	2	3	9	4	7	6	7	6	6	17	7	1	4	5	9	4	7	10	3	5	7	0	3	24	5	9
ENSP00000346453,ENS	ENSG00000196497	IPO4	1988	1	180	43	0.0002753	0.0005341	-0.95585	0.00182	0.0517858	0.5112203	0.2450152	223	9	9	10	4	8	3	7	4	4	6	8	6	8	9	13	6	2	8	8	3	6	13	12	9	2	0	3	18	11	14
ENSP00000265385,ENS	ENSG00000106348	IMPDH1	639	1	67	16	0.0001025	0.0001987	-0.955349	0.0221587	0.1977642	0.645651	0.2165064	83	4	5	2	1	1	0	3	2	0	4	5	2	5	3	1	4	3	1	2	1	3	6	2	2	2	1	2	4	6	6
ENSP00000329967,ENS	ENSG00000183735	TBK1	839	1	67	16	0.0001025	0.0001987	-0.955349	0.0747263	0.3361134	0.7932405	0.286411	83	3	2	1	5	1	1	2	0	1	5	3	2	4	4	2	7	6	3	5	1	3	1	4	1	0	0	0	7	4	5
ENSP00000303423,ENS	ENSG00000168522	FNTA	1406	104	42	10	6.42E-05	0.0001242	-0.951049	0.0409339	0.2601002	0.7205767	0.4582576	52	4	3	2	2	1	1	0	3	2	1	3	1	3	3	1	1	0	1	1	1	0	3	2	1	1	0	1	3	5	2
ENSP00000258243_rs3	ENSG00000135763	URB2	150	1	42	10	6.42E-05	0.0001242	-0.951049	0.0371487	0.2496897	0.6510467	0.4582576	52	1	2	1	2	1	1	4	1	3	2	1	1	2	2	1	3	1	0	4	1	2	1	2	0	1	1	1	5	3	2
ENSP00000362352	ENSG00000099284	H2AFY2	4297	1	63	15	9.64E-05	0.0001863	-0.951049	0.0436736	0.2691072	0.6510467	0.3464102	78	2	0	1	4	4	2	2	1	1	6	2	3	3	4	4	1	0	2	1	3	1	1	1	3	5	3	3	7	4	4
ENSP00000002125,ENS	ENSG00000003509	C2orf56	4814	1045	21	5	3.21E-05	6.21E-05	-0.951049	0.271016	0.5750864	1.1462861	0.6928203	26	0	2	0	1	1	0	2	0	2	0	0	1	0	0	1	2	1	1	0	1	0	0	1	0	2	0	3	1	1	3
ENSP00000360683,ENS	ENSG00000196396	PTPN1	1149	1	206	49	0.0003151	0.0006086	-0.949648	0.0022	0.0564123	0.4614637	0.1274489	255	15	10	10	7	9	3	8	5	11	7	9	7	9	10	7	8	4	9	5	2	4	6	7	2	16	4	12	17	18	14
ENSP00000372552,ENS	ENSG00000206284		4682	1	110	26	0.0001683	0.0003229	-0.940518	0.0177429	0.1801157	0.6419683	0.1762529	136	5	3	2	2	1	1	2	1	5	6	3	6	3	5	3	3	3	5	10	3	6	6	4	2	12	2	6	10	9	7
ENSP00000353243	ENSG00000104522	TSTA3	487	1	72	17	0.0001101	0.0002111	-0.938976	0.0281544	0.2164931	0.7130312	0.1018853	89	4	2	2	3	2	4	0	0	2	2	4	4	2	3	4	1	3	4	2	1	3	9	4	5	1	1	0	6	6	5
ENSP00000373565,ENS	ENSG00000180921	FAM83H	1559	1	195	46	0.0002983	0.0005713	-0.93767	0.0238218	0.2035196	0.6027248	0.1641268	241	3	2	3	3	6	2	8	8	9	2	7	3	5	14	4	16	13	14	15	10	6	8	6	8	12	4	4	15	18	13
ENSP00000366837,ENS	ENSG00000204842	ATXN2	1892	1	68	16	0.000104	0.0001987	-0.933975	0.0407147	0.2589751	0.6549422	0.1082532	84	1	2	1	1	2	2	1	5	3	4	4	3	5	4	5	2	1	1	3	5	4	3	4	2	0	0	0	5	6	5
ENSP00000354684,ENS	ENSG00000198833	UBE2J1	4426	967	17	4	2.60E-05	4.97E-05	-0.933975	0.3842358	0.683564	1.3323237	0.4330127	21	0	0	0	0	0	0	2	0	1	1	0	1	0	0	1	0	1	2	0	0	1	0	1	1	2	3	0	2	1	1
ENSP00000386239,ENS	ENSG00000160949	NFKBIL2	5403	1	17	4	2.60E-05	4.97E-05	-0.933975	0.3729636	0.6736001	1.4707692	0.8660254	21	0	1	0	0	0	0	1	2	1	0	0	2	3	1	0	0	0	1	1	3	0	1	0	0	0	0	0	0	2	2
ENSP00000215659	ENSG00000188130	MAPK12	91	1	17	4	2.60E-05	4.97E-05	-0.933975	0.1650547	0.4569927	0.9994675	1.1456439	21	1	0	1	1	0	0	0	0	0	0	0	1	2	1	1	1	1	0	1	0	0	2	1	1	1	0	1	3	0	1
ENSP00000382382,ENS	ENSG00000170242	USP47	5061	1	102	24	0.000156	0.0002981	-0.933975	0.1285601	0.413794	0.8911328	0.25	126	3	2	1	7	1	3	13	5	5	2	1	2	10	10	5	6	1	0	1	4	0	5	6	6	1	1	1	6	8	10
ENSP00000307900,ENS	ENSG00000135821	GLUL	4527	984	68	16	0.000104	0.0001987	-0.933975	0.1136724	0.3926738	0.9623779	0.286411	84	4	2	1	0	0	0	0	0	0	4	4	8	4	2	1	6	3	4	1	2	1	9	4	4	2	1	1	7	4	5
ENSP00000354972,ENS	ENSG00000135040	MAK10	4039	911	17	4	2.60E-05	4.97E-05	-0.933975	0.1644067	0.456623	0.9994675	0.4330127	21	1	0	1	0	1	1	1	1	2	0	1	1	2	1	1	0	0	0	0	1	0	1	0	0	1	0	0	1	1	2
ENSP00000307071	ENSG00000169609	C15orf40	6288	1340	17	4	2.60E-05	4.97E-05	-0.933975	0.1568849	0.4475652	0.8971608	0.4330127	21	0	1	2	1	1	1	0	0	0	1	0	1	0	0	0	1	1	1	1	1	0	1	1	1	0	1	0	1	2	1
ENSP00000198765,ENS	ENSG00000085719	CPNE3	2933	1	136	32	0.000208	0.0003974	-0.933975	0.00132	0.0425762	0.4783804	0.286411	168	4	5	6	4	3	4	5	3	5	9	11	7	6	10	6	3	2	3	5	2	3	8	6	3	7	3	3	14	8	10
ENSP00000353275,ENS	ENSG00000196369	SRGAP2P2	2906	1	17	4	2.60E-05	4.97E-05	-0.933975	0.1974905	0.4933854	0.9994675	0.8660254	21	1	0	1	0	1	0	0	0	2	1	1	1	1	0	1	1	0	2	0	0	1	0	0	1	1	0	1	2	0	2
ENSP00000309595,ENS	ENSG00000107815	PEO1,C10or	2642	616	17	4	2.60E-05	4.97E-05	-0.933975	0.2308158	0.5339863	1.1777143	0.4330127	21	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	2	0	1	0	2	2	2	1	0	0	0	2	1	1
ENSP00000338371,ENS	ENSG00000100354	TNRC6B	4500	1	17	4	2.60E-05	4.97E-05	-0.933975	0.3032736	0.6088844	1.3323237	1.1456439	21	0	0	0	1	1	1	0	0	1	1	1	2	1	2	3	1	0	0	2	0	0	0	0	0	0	0	0	0	1	3
ENSP00000263867,ENS	ENSG00000042493	CAPG	4840	1	85	20	0.00013	0.0002484	-0.933975	0.2628431	0.5670876	1.2005588	0.4582576	105	0	0	0	1	2	2	0	0	2	8	4	7	0	2	1	7	9	14	11	5	3	1	0	1	2	2	1	10	4	6
ENSP00000282412,ENS	ENSG00000138032	PPM1B	4649	1	17	4	2.60E-05	4.97E-05	-0.933975	0.3360988	0.6409989	1.4032549	0.4330127	21	0	0	1	3	0	1	1	1	0	1	0	1	2	0	3	0	0	1	0	0	0	0	1	1	0	0	0	1	1	2
ENSP00000243326_rs2	ENSG00000080345	RIF1	4383	1	205	48	0.0003136	0.0005962	-0.926921	0.1119339	0.390689	0.7280735	0.125	253	10	10	8	5	0	2	7	8	15	6	1	3	8	5	8	9	2	2	19	12	2	5	6	2	17	20	13	14	18	16
ENSP00000247668,ENS	ENSG00000127191	TRAF2	107	1	47	11	7.19E-05	0.0001366	-0.926281	0.084632	0.3534589	0.8060303	0.1574592	58	2	3	4	2	4	3	2	0	0	1	2	1	2	1	4	2	3	1	0	0	0	3	4	0	1	0	2	4	4	3
ENSP00000254950	ENSG00000132612	VPS4A	3851	1	60	14	9.18E-05	0.0001739	-0.921903	0.0385659	0.2517811	0.6404626	0.6546537	74	4	3	4	2	3	0	2	1	4	3	5	3	4	3	1	2	2	2	1	1	0	4	3	1	1	0	1	2	4	8
ENSP00000320043,ENS	ENSG00000120992	LYPLA1	3229	1	60	14	9.18E-05	0.0001739	-0.921903	0.0384518	0.2517811	0.5627884	0.4460713	74	1	4	1	1	2	3	1	5	2	0	4	1	2	2	2	2	3	4	3	3	1	3	4	1	2	2	1	4	7	3
ENSP00000269778,ENS	ENSG00000141905	NFIC	5105	1	30	7	4.59E-05	8.69E-05	-0.921903	0.0952925	0.3692571	0.8024002	0.2474358	37	0	0	0	0	1	0	1	1	1	1	3	2	3	0	2	2	1	1	1	1	1	2	2	1	0	2	1	3	2	2
ENSP00000284957,ENS	ENSG00000154710	RABGEF1	912	1	30	7	4.59E-05	8.69E-05	-0.921903	0.1376554	0.422012	0.8403296	0.6546537	37	0	1	0	3	3	0	2	1	1	0	1	0	2	2	1	1	2	1	1	2	1	2	0	2	0	0	1	1	2	4
ENSP00000260867,ENS	ENSG00000138297	TIMM23	1750	417	30	7	4.59E-05	8.69E-05	-0.921903	0.1432845	0.4288659	1.068788	0.2474358	37	2	1	2	0	1	0	1	0	2	0	0	0	0	2	1	0	1	2	2	0	2	5	3	1	1	0	1	3	2	2
ENSP00000366190	ENSG00000175550	DRAP1	1588	374	30	7	4.59E-05	8.69E-05	-0.921903	0.1651713	0.4569927	1.0088074	0.4948717	37	0	0	0	1	0	0	1	0	2	0	2	4	3	2	3	1	0	2	2	1	1	2	1	1	1	0	0	1	3	3
ENSP00000261660_rs1	ENSG00000103381	CPPED1	980	233	30	7	4.59E-05	8.69E-05	-0.921903	0.2331496	0.5366836	1.2057554	0.4948717	37	5	0	1	1	2	4	2	0	1	1	1	0	3	2	3	0	0	0	1	0	1	0	0	0	0	1	1	3	1	3
ENSP00000278616,ENS	ENSG00000149311	ATM	1929	1	30	7	4.59E-05	8.69E-05	-0.921903	0.25598	0.5596296	1.2057554	0.2474358	37	0	2	2	5	1	1	1	1	0	0	0	0	2	2	1	0	2	1	1	1	0	0	0	1	5	1	0	3	2	2
ENSP00000346501,ENS	ENSG00000197713	RPE	1001	236	30	7	4.59E-05	8.69E-05	-0.921903	0.2977086	0.6039348	1.2563684	0.8921426	37	0	1	3	0	0	4	0	0	1	1	0	0	3	2	3	1	0	2	0	0	1	1	1	5	1	0	0	4	0	3
ENSP00000361900,ENS	ENSG00000025772	TOMM34	1985	1	223	52	0.0003411	0.0006458	-0.920978	0.0351083	0.2430562	0.6619642	0.1451891	275	26	14	11	6	4	7	15	15	9	11	6	7	10	11	9	10	4	7	2	0	1	9	11	8	5	0	5	15	20	17
ENSP00000260363,ENS	ENSG00000137807	KIF23	6188	1	116	27	0.0001774	0.0003353	-0.918345	0.0180392	0.1820404	0.5156973	0.4006168	143	4	7	3	3	2	2	4	4	4	5	2	2	4	7	2	4	3	4	10	9	6	4	4	3	7	1	6	6	8	13
ENSP00000338173,ENS	ENSG00000055917	PUM2	760	1	43	10	6.58E-05	0.0001242	-0.917102	0.1331074	0.4186037	0.9092444	0.6244998	53	2	1	1	3	2	0	2	2	2	1	3	5	6	2	1	2	0	1	2	0	0	1	1	2	1	0	0	4	5	1
ENSP00000225298_M2	ENSG00000011260	UTP18	3671	1	43	10	6.58E-05	0.0001242	-0.917102	0.1284275	0.413794	0.925772	0.6244998	53	3	0	1	0	1	1	2	0	2	4	2	3	2	0	1	0	0	1	3	1	2	3	1	1	6	0	3	5	1	4
ENSP00000264447,ENS	ENSG00000075292	ZNF638	1576	1	129	30	0.0001973	0.0003726	-0.917102	0.0041903	0.0847556	0.3249419	0.4358899	159	3	3	3	7	2	4	6	6	7	6	6	4	6	3	6	3	5	2	7	6	6	4	5	4	5	6	4	15	7	8
ENSP00000339529,ENS	ENSG00000104356	POP1	5555	1	99	23	0.0001514	0.0002857	-0.915644	0.0696553	0.3288607	0.6328575	0.7416836	122	2	1	1	4	5	4	2	6	4	2	4	4	4	9	3	4	4	3	7	9	5	2	5	0	0	4	1	3	14	6
ENSP00000282276,ENS	ENSG00000152428	MARS2	1554	1	56	13	8.57E-05	0.0001615	-0.914523	0.125914	0.4105061	0.9062187	0.3525058	69	1	1	0	1	0	1	1	0	3	0	0	2	3	4	2	2	1	3	3	2	5	5	5	7	3	1	0	4	6	3
ENSP00000338235	ENSG00000147649	MTDH	1438	1	289	67	0.0004421	0.0008321	-0.912602	0.002064	0.0548351	0.3484266	0.3144971	356	6	8	4	11	12	10	7	13	11	9	14	12	12	21	10	8	13	5	14	15	10	12	10	7	15	14	6	23	29	15
ENSP00000337448	ENSG00000119383	PPP2R4	2157	523	65	15	9.94E-05	0.0001863	-0.905961	0.0279966	0.2158631	0.6441219	0.3464102	80	2	2	3	4	5	4	4	0	2	2	1	2	5	3	4	3	1	1	2	0	1	5	2	2	4	0	1	6	3	6
rev_ENSP00000304669	rev	rev	98	1	13	3	1.99E-05	3.73E-05	-0.905961	0.403178	0.7015491	1.6665605	1	16	0	0	0	0	0	1	0	1	0	2	0	0	0	1	1	1	0	0	0	0	0	2	0	1	3	0	0	0	1	2
ENSP00000373397,ENS	ENSG00000169499	PLEKHA2	5324	1	13	3	1.99E-05	3.73E-05	-0.905961	0.4119056	0.7082337	1.7633037	1	16	1	0	0	1	1	0	0	0	0	0	2	0	2	3	0	0	0	0	0	1	0	0	2	0	0	0	0	0	2	1
ENSP00000293743	ENSG00000161888	SPC24	169	36	13	3	1.99E-05	3.73E-05	-0.905961	0.448403	0.7336947	1.6665605	1	16	1	2	1	1	0	0	0	1	1	0	0	0	0	0	2	0	0	3	0	0	0	0	0	0	1	0	0	0	1	2
rev_ENSP00000305075	rev	rev	1249	1	13	3	1.99E-05	3.73E-05	-0.905961	0.4737555	0.7530397	1.7633037	1	16	0	0	1	1	0	3	0	1	2	0	0	2	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	1	0	2
ENSP00000300574	ENSG00000167193	CRK	785	1	52	12	7.95E-05	0.000149	-0.905961	0.1088476	0.3850758	0.9099473	0.4330127	64	5	1	3	2	1	1	3	0	0	3	4	2	1	2	7	1	0	2	3	0	0	3	2	2	4	0	0	6	3	3
ENSP00000293971,ENS	ENSG00000162066	AMDHD2	2277	1	26	6	3.98E-05	7.45E-05	-0.905961	0.1333082	0.418722	0.9324597	0.5	32	0	0	1	1	1	1	2	0	0	2	1	1	1	3	1	1	2	1	1	0	0	3	2	1	0	0	0	2	3	1
ENSP00000351536	ENSG00000165661	QSOX2	3971	1	26	6	3.98E-05	7.45E-05	-0.905961	0.1461844	0.4333632	0.8868636	0	32	0	0	2	1	1	0	1	1	1	3	1	0	0	2	0	3	1	2	1	1	0	1	0	1	1	1	1	2	2	2
ENSP00000220669	ENSG00000104231	ZFAND1	3658	828	13	3	1.99E-05	3.73E-05	-0.905961	0.217122	0.516855	1.0575175	1	16	1	1	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	1	0	0	0	1	1	0	0	0	0	1	2	0
ENSP00000337476,ENS	ENSG00000141425	RPRD1A	1573	1	52	12	7.95E-05	0.000149	-0.905961	0.1302199	0.4157461	0.8868636	0	64	0	0	0	1	1	2	4	2	3	5	6	3	2	3	3	3	0	0	0	2	1	1	5	2	0	2	1	4	4	4
ENSP00000357873,ENS	ENSG00000196177	ACADSB	2471	1	26	6	3.98E-05	7.45E-05	-0.905961	0.1503496	0.4385027	0.9759278	0	32	1	0	0	2	1	1	0	1	1	0	3	2	2	1	2	0	0	0	0	0	2	1	2	2	2	0	0	2	2	2
ENSP00000251607,ENS	ENSG00000072756	TRNT1	4666	1	78	18	0.0001193	0.0002236	-0.905961	0.0024646	0.0606008	0.4735854	0	96	3	2	4	4	3	4	3	2	2	3	3	1	3	3	4	3	0	3	2	3	3	6	6	4	2	1	1	6	6	6
ENSP00000318494_A14	ENSG00000109332	UBE2D3,UB	603	1	13	3	1.99E-05	3.73E-05	-0.905961	0.2767038	0.5805515	1.2042256	1	16	1	0	1	0	1	1	0	0	1	2	0	1	0	1	0	1	0	1	0	0	0	1	0	1	0	0	0	2	1	0
ENSP00000257604,ENS	ENSG00000135148	TRAFD1	4402	1	13	3	1.99E-05	3.73E-05	-0.905961	0.2535983	0.5564978	1.2042256	0	16	2	1	1	1	0	1	1	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1
ENSP00000292180,ENS	ENSG00000160688	FLAD1	1622	1	26	6	3.98E-05	7.45E-05	-0.905961	0.2486146	0.5500091	1.0960371	0.8660254	32	0	0	2	2	0	2	0	1	0	0	0	1	0	0	3	1	1	3	1	0	0	2	1	3	2	0	1	3	0	3
ENSP00000357863,ENS	ENSG00000155115	GTF3C6	4951	1	13	3	1.99E-05	3.73E-05	-0.905961	0.3114562	0.6173068	1.3349065	1	16	1	0	0	1	0	0	0	0	0	0	0	1	0	1	1	1	0	0	2	0	2	1	0	0	1	0	1	2	0	1
ENSP00000290650,ENS	ENSG00000159459	UBR1	3611	1	26	6	3.98E-05	7.45E-05	-0.905961	0.2994481	0.6043018	1.2042256	0.8660254	32	1	0	1	1	1	4	0	0	0	1	0	0	0	1	0	3	3	3	2	0	1	1	0	2	1	0	0	3	0	3
ENSP00000192788,ENS	ENSG00000065060	UHRF1BP1	2076	1	26	6	3.98E-05	7.45E-05	-0.905961	0.2715643	0.5755608	1.2042256	0.8660254	32	2	2	0	0	0	1	3	0	1	1	0	4	2	3	2	0	1	1	0	0	0	0	0	0	2	1	0	4	1	1
ENSP00000379625,ENS	ENSG00000172936	MYD88	1695	1	13	3	1.99E-05	3.73E-05	-0.905961	0.3394227	0.644002	1.3349065	1	16	0	2	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1	2	1	1	1	1	1	0	0	0	0	2	0	1
ENSP00000314566,ENS	ENSG00000105443	CYTH2	3909	1	13	3	1.99E-05	3.73E-05	-0.905961	0.3244273	0.629617	1.3349065	0	16	1	0	0	1	0	0	2	1	0	0	0	0	0	1	0	1	1	1	0	1	0	0	0	1	2	0	0	1	1	1
ENSP00000296736_rs1	ENSG00000164296	TIGD6	2800	1	13	3	1.99E-05	3.73E-05	-0.905961	0.3470632	0.6516226	1.4538884	1	16	0	0	0	0	2	0	0	1	1	2	1	0	1	2	1	1	0	0	0	0	0	0	0	0	1	0	0	2	0	1
ENSP00000261749	ENSG00000086666	ZFAND6	6311	1	13	3	1.99E-05	3.73E-05	-0.905961	0.3317857	0.6355292	1.4538884	0	16	0	1	0	1	1	0	1	0	1	0	2	0	0	2	2	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1
ENSP00000353878,ENS	ENSG00000030110	BCL2L7P1,B	527	122	13	3	1.99E-05	3.73E-05	-0.905961	0.3894885	0.6890023	1.4538884	1	16	0	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	1	0	1	3	1	1	1	1	0	0	0	2	1	0
ENSP00000252102	ENSG00000131495	NDUFA2	931	220	13	3	1.99E-05	3.73E-05	-0.905961	0.3708928	0.6723142	1.4538884	1	16	0	0	2	0	0	1	0	0	0	0	1	1	0	0	0	1	0	1	0	0	2	0	2	1	1	0	0	1	0	2
ENSP00000370718_S54	ENSG00000169093	ASMTL	1848	1	39	9	5.97E-05	0.0001118	-0.905961	0.2887923	0.5928109	1.321025	0	48	1	0	1	2	0	0	0	0	2	5	4	5	2	4	6	1	1	0	0	0	0	1	4	0	0	0	0	3	3	3
ENSP00000351697,ENS	ENSG00000009413	REV3L	4195	1	13	3	1.99E-05	3.73E-05	-0.905961	0.3497022	0.653139	1.4538884	0	16	2	0	0	0	0	1	1	0	0	1	0	0	2	0	0	1	0	0	0	2	1	1	0	0	0	0	1	1	1	1
ENSP00000343446,ENS	ENSG00000120539	MASTL	4735	1	13	3	1.99E-05	3.73E-05	-0.905961	0.3699329	0.6714353	1.5638439	0	16	2	2	2	0	0	0	0	0	1	0	1	1	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
ENSP00000263346,ENS	ENSG00000141002	TCF25	4843	1054	13	3	1.99E-05	3.73E-05	-0.905961	0.4098141	0.7060403	1.5638439	1	16	0	2	0	0	0	0	0	1	0	1	0	3	1	0	0	1	0	1	1	1	0	1	0	0	0	0	0	0	2	1
ENSP00000354791,ENS	ENSG00000204843	DCTN1	3675	1	308	71	0.0004711	0.0008818	-0.904399	7.99E-05	0.006673	0.3657165	0.1219754	379	19	13	11	13	10	11	9	8	9	13	11	13	12	14	12	12	13	9	11	7	10	24	15	15	4	5	5	22	22	27
ENSP00000341730,ENS	ENSG00000178464		2579	1	317	73	0.0004849	0.0009067	-0.902924	0.0005155	0.0231568	0.4333962	0.3296222	390	16	12	10	4	15	10	6	9	17	7	18	12	7	19	18	8	4	12	16	11	10	11	24	11	17	8	5	32	25	16
ENSP00000357276,ENS	ENSG00000093144	ECHDC1	5524	1160	135	31	0.0002065	0.000385	-0.898819	0.0090576	0.1234149	0.5291503	0.4029031	166	11	4	6	3	1	2	6	7	9	6	6	3	6	4	4	5	6	5	8	5	1	9	8	5	2	1	2	15	7	9
ENSP00000355571,ENS	ENSG00000168275	C1orf31	572	1	61	14	9.33E-05	0.0001739	-0.898056	0.0774533	0.3410773	0.5835059	0.3273268	75	2	2	0	3	1	3	1	3	1	1	2	1	2	2	1	2	2	2	3	5	2	3	5	1	2	5	4	5	6	3
ENSP00000264052,ENS	ENSG00000067066	SP100	1392	1	61	14	9.33E-05	0.0001739	-0.898056	0.0742732	0.335001	0.7426067	0.2474358	75	1	0	3	2	2	3	1	0	2	0	3	5	2	3	6	6	3	4	3	1	2	3	1	3	1	0	1	4	4	6
ENSP00000196551	ENSG00000083845	RPS5	1954	1	157	36	0.0002401	0.0004471	-0.896742	0.0158766	0.1695149	0.6201309	0.5773503	193	13	3	7	0	4	6	4	3	6	9	5	8	5	3	4	6	4	5	11	1	5	11	5	6	16	2	5	20	8	8
ENSP00000342011	ENSG00000152422	XRCC4	6000	1	48	11	7.34E-05	0.0001366	-0.895907	0.0543187	0.2926493	0.6679925	0.4165978	59	2	2	3	4	3	1	2	2	2	1	3	1	3	3	3	4	1	1	1	0	2	1	0	2	1	0	0	4	2	5
ENSP00000358756	ENSG00000203879	GDI1	859	1	319	73	0.0004879	0.0009067	-0.89385	0.0087305	0.122125	0.5455231	0.2673866	392	18	11	17	9	15	15	5	2	5	18	23	17	12	15	17	13	9	22	8	2	6	19	17	13	8	0	3	31	18	24
ENSP00000279392,ENS	ENSG00000149929	HIRIP3	4214	943	35	8	5.35E-05	9.94E-05	-0.892155	0.0368049	0.2491789	0.6702936	0.2165064	43	3	1	0	2	2	1	1	2	1	1	2	2	2	2	1	2	0	0	2	2	0	2	1	0	2	1	0	2	3	3
ENSP00000264451_rs1	ENSG00000014824	SLC30A9	837	1	35	8	5.35E-05	9.94E-05	-0.892155	0.1832742	0.4810987	1.0441133	0.4330127	43	2	0	0	1	1	3	1	0	3	1	2	1	1	0	4	0	0	2	5	1	2	1	3	0	1	0	0	2	4	2
ENSP00000296511,ENS	ENSG00000164111	ANXA5	2292	1	613	140	0.0009376	0.0017388	-0.890978	8.89E-06	0.0015231	0.3229332	0.4308866	753	40	19	24	16	23	20	18	21	23	29	24	28	18	22	25	28	22	28	31	10	17	34	26	19	30	7	11	69	30	41
ENSP00000290541	ENSG00000159377	PSMB4	1868	1	127	29	0.0001943	0.0003602	-0.890735	0.1194547	0.4017298	0.8314052	0.9611972	156	4	0	8	1	1	3	6	1	2	8	5	2	1	2	8	4	1	11	4	2	4	13	6	10	14	1	5	20	2	7
ENSP00000222553,ENS	ENSG00000105835	NAMPT	4632	1	149	34	0.0002279	0.0004223	-0.889733	0.0188595	0.1857516	0.6080404	0.4352544	183	5	1	7	2	3	4	5	3	7	8	9	9	3	5	7	4	2	6	3	2	5	12	7	9	15	1	5	17	8	9
ENSP00000298942,ENS	ENSG00000165983	PTER	640	1	57	13	8.72E-05	0.0001615	-0.888988	0.0066062	0.1057161	0.56252	0.3525058	70	3	3	2	1	1	1	2	2	2	2	4	3	3	5	3	2	1	0	2	1	2	4	3	2	2	0	1	6	4	3
ENSP00000291576,ENS	ENSG00000160220	PWP2	4475	1	101	23	0.0001545	0.0002857	-0.886789	0.0576562	0.3028345	0.6614653	0.6565073	124	4	2	3	1	0	1	4	0	6	6	1	8	2	6	4	1	5	3	8	4	5	5	1	5	9	3	4	13	3	7
ENSP00000296824	ENSG00000164366	CCDC127	2352	560	22	5	3.37E-05	6.21E-05	-0.883935	0.2755848	0.5800719	1.0783809	1.2489996	27	0	0	0	1	1	1	0	1	0	0	1	1	1	2	0	3	1	0	2	1	3	1	1	0	0	1	0	1	4	0
ENSP00000315630_rs4	ENSG00000133789		2798	1	66	15	0.000101	0.0001863	-0.883935	0.1273375	0.4128168	0.9379171	0.3464102	81	10	4	2	2	0	0	2	5	4	1	0	2	4	6	3	2	1	0	4	4	0	4	2	1	2	1	0	6	3	6
ENSP00000322180_rs1	ENSG00000136982	DSCC1	3467	793	22	5	3.37E-05	6.21E-05	-0.883935	0.2243623	0.5262948	0.964978	0.3464102	27	1	0	0	2	0	1	1	2	0	2	1	1	1	1	1	2	2	1	0	0	2	0	0	1	0	0	0	1	2	2
ENSP00000359323,ENS	ENSG00000135297	MTO1	3112	1	22	5	3.37E-05	6.21E-05	-0.883935	0.2321935	0.5358881	0.964978	0.6928203	27	0	0	0	1	1	1	1	1	1	2	2	1	2	0	2	0	0	0	1	1	2	0	0	0	0	1	2	1	1	3
ENSP00000288274	ENSG00000157514	TSC22D3	4865	1	22	5	3.37E-05	6.21E-05	-0.883935	0.2613846	0.5650175	1.0783809	1.2489996	27	2	0	1	2	1	1	2	0	1	0	0	3	1	0	2	2	0	1	0	0	1	0	0	0	1	0	1	4	0	1
ENSP00000284320,ENS	ENSG00000154174	TOMM70A	5338	1	119	27	0.000182	0.0003353	-0.881508	0.0393921	0.2533377	0.6269467	0.5879447	146	11	4	8	4	1	7	2	1	2	4	6	3	1	4	2	7	4	5	5	5	11	5	4	3	7	1	2	15	5	7
ENSP00000326261,ENS	ENSG00000133226	SRRM1	3483	1	53	12	8.11E-05	0.000149	-0.87848	0.0377217	0.2504399	0.5907522	0.25	65	2	1	0	2	1	1	2	1	3	1	0	3	3	1	3	1	4	1	3	2	2	3	2	2	5	2	2	5	3	4
ENSP00000303019,ENS	ENSG00000171723	GPHN	6484	1	53	12	8.11E-05	0.000149	-0.87848	0.0715015	0.3313714	0.8052563	0.6614378	65	1	0	2	2	1	1	1	0	1	2	3	4	3	3	2	1	1	2	1	2	1	8	3	3	3	1	1	6	1	5
ENSP00000311876	ENSG00000113552	GNPDA1	339	1	106	24	0.0001621	0.0002981	-0.87848	0.0086317	0.1216852	0.5822426	0.25	130	5	2	4	6	7	4	2	0	4	4	7	3	4	3	3	3	1	2	6	1	2	7	10	5	6	2	3	10	8	6
ENSP00000346542_rs1	ENSG00000163938	GNL3	4944	1	137	31	0.0002096	0.000385	-0.877602	0.0192714	0.1872128	0.4917172	0.0558726	168	7	4	5	2	2	5	6	6	6	4	4	8	4	9	6	3	4	2	4	2	2	5	3	7	12	6	9	10	10	11

ENSP00000359026	ENSG00000102030	ARD1A	947	1	115	26	0.0001759	0.0003229	-0.876388	0.0240128	0.2041717	0.6163541	0.1762529	141	6	4	7	2	6	3	5	1	4	10	4	6	7	8	6	4	0	6	7	2	3	6	4	1	3	0	0	10	7	9
ENSP00000222388,ENS	ENSG00000033050	ABCF2	1979	1	146	33	0.0002233	0.0004099	-0.876008	0.0044411	0.0873856	0.4651913	0.1818182	179	11	7	4	4	5	2	6	9	5	4	7	4	8	9	7	6	5	4	10	6	3	4	5	0	5	3	3	11	13	9
ENSP00000216288,ENS	ENSG00000075413	MARK3	983	1	62	14	9.48E-05	0.0001739	-0.874597	0.0585515	0.3053212	0.6812635	0.6185896	76	3	0	2	2	1	3	2	0	5	2	3	1	3	4	5	3	2	5	4	3	1	3	3	2	0	0	0	8	3	3
ENSP00000217964,ENS	ENSG00000101849	TBL1X	1999	478	31	7	4.74E-05	8.69E-05	-0.874597	0.0763698	0.337951	0.7903099	0.6546537	38	2	1	1	0	0	0	1	0	0	1	2	0	2	1	1	2	2	1	3	1	1	2	2	1	3	0	1	4	1	2
ENSP00000303709	ENSG00000170142	UBE2E1	192	41	31	7	4.74E-05	8.69E-05	-0.874597	0.1076356	0.383813	0.8942303	0.4948717	38	2	2	0	1	1	0	1	1	1	1	1	1	1	5	1	1	0	0	1	2	0	2	2	1	2	0	1	3	3	1
ENSP00000356811,ENS	ENSG00000112339	HBS1L	1476	1	124	28	0.0001897	0.0003478	-0.874597	0.0935264	0.367393	0.835183	0.1636634	152	7	4	2	11	15	10	6	1	4	4	1	4	5	9	7	2	1	1	7	1	2	9	7	1	2	0	1	11	9	8
ENSP00000310042,ENS	ENSG00000173545	ZNF622	3769	853	31	7	4.74E-05	8.69E-05	-0.874597	0.0967938	0.3713861	0.7903099	0.2474358	38	2	1	2	0	0	2	2	0	2	3	2	1	0	2	1	0	0	2	1	1	1	1	2	1	2	0	0	3	2	2
ENSP00000354920,ENS	ENSG00000010165	METTL13	757	179	31	7	4.74E-05	8.69E-05	-0.874597	0.2324735	0.5361386	1.0722704	0.2474358	38	3	0	1	0	0	5	0	2	1	1	1	3	1	0	3	1	0	1	1	2	1	2	1	1	0	0	0	2	3	2
ENSP00000290573,ENS	ENSG00000159399	HK2P,HK2	1565	1	173	39	0.0002646	0.0004844	-0.872212	0.0319199	0.2321647	0.6582571	0.2664694	212	6	2	5	3	3	7	13	4	11	6	6	9	9	13	12	5	2	2	9	4	5	17	6	9	5	0	0	17	11	11
ENSP00000216392,ENS	ENSG00000100504	PYGL	1050	1	271	61	0.0004145	0.0007576	-0.870027	0.1500788	0.4381763	0.9099842	0.2271542	332	14	15	14	5	10	3	2	3	3	25	42	23	6	4	2	15	19	15	7	7	1	8	7	6	7	3	5	23	23	15
ENSP00000259808,ENS	ENSG00000137275	RIPK1	2518	1	40	9	6.12E-05	0.0001118	-0.869435	0.1339208	0.418722	0.8449511	0.6666667	49	0	0	1	3	1	3	1	1	0	2	3	2	3	2	3	3	0	1	1	0	0	3	3	3	0	0	1	3	1	5
ENSP00000382269,ENS	ENSG00000092148	HECTD1	4842	1	80	18	0.0001224	0.0002236	-0.869435	0.2401453	0.5441548	1.0527265	0.5773503	98	6	2	1	1	0	2	9	5	9	6	5	5	11	5	3	2	0	0	1	1	0	2	1	2	1	0	0	2	8	8
ENSP00000364037	ENSG00000136891	TEX10	4857	1	89	20	0.0001361	0.0002484	-0.867633	0.0696145	0.3288607	0.7080504	0.4330127	109	4	1	4	2	2	6	3	0	4	3	3	2	3	6	8	3	1	3	6	0	6	1	3	1	8	0	6	10	5	5
ENSP00000303908,ENS	ENSG00000221814	TWF2	2036	1	138	31	0.0002111	0.000385	-0.86711	0.0080253	0.1146241	0.5214255	0.3663812	169	7	3	2	4	3	6	4	1	6	6	10	9	3	10	7	3	5	5	6	2	5	9	2	7	8	1	4	13	6	12
ENSP00000253237,ENS	ENSG00000105447	GRWD1	4680	1	49	11	7.50E-05	0.0001366	-0.86616	0.05127	0.2861005	0.6840892	0.5677271	60	2	3	1	2	1	1	2	0	3	2	3	2	5	2	1	0	2	2	0	1	2	4	3	1	3	0	1	6	3	2
ENSP00000229707,ENS	ENSG00000206395	DDAH2	587	1	49	11	7.50E-05	0.0001366	-0.86616	0.2815933	0.5857608	1.1337663	0.6863486	60	3	4	9	1	0	1	0	0	0	1	2	2	2	1	3	3	3	4	0	0	0	0	1	0	5	2	2	6	1	4
ENSP00000353246	ENSG00000198042	MAK16	5473	1183	49	11	7.50E-05	0.0001366	-0.86616	0.0166133	0.1730449	0.5302196	0.3149183	60	2	2	0	1	2	1	2	2	3	1	2	2	2	2	3	1	2	0	2	2	3	2	3	1	4	0	2	5	3	3
ENSP00000309477,ENS	ENSG00000122729	ACO1	4576	1	107	24	0.0001637	0.0002981	-0.864934	0.0495963	0.2813768	0.6583161	0.572822	131	4	3	8	3	2	5	3	3	2	6	4	5	5	5	6	3	4	7	3	1	0	11	4	8	2	0	0	13	4	7
ENSP00000357292,ENS	ENSG00000160803	UBQLN4	2537	1	58	13	8.87E-05	0.0001615	-0.863897	0.0246919	0.2048645	0.5874733	0.2664694	71	3	1	2	2	1	1	1	0	3	3	1	3	1	3	4	4	0	2	2	3	2	5	2	4	2	1	2	5	3	5
ENSP00000387270_G3!	ENSG00000204843	DCTN1	304	1	277	62	0.0004237	0.00077	-0.861892	0.0001374	0.0090676	0.3436553	0.1396815	339	16	11	10	11	10	10	8	7	8	12	9	12	10	12	11	10	12	9	10	7	9	21	13	15	4	5	5	19	19	24
ENSP00000290037,ENS	ENSG00000148396	SEC16A	576	1	85	19	0.00013	0.000236	-0.859975	0.1325469	0.4183139	0.8297438	0.0911606	104	1	1	3	10	4	4	1	1	5	1	1	1	4	5	7	10	2	4	1	2	3	3	3	5	1	0	2	7	6	6
ENSP00000252512,ENS	ENSG00000130227	XPO7	4753	1	112	25	0.0001713	0.0003105	-0.85794	0.0261144	0.2079048	0.5969161	0.183303	137	7	9	7	5	6	3	4	2	5	3	7	3	7	7	7	1	3	1	1	0	1	6	5	3	5	2	2	8	7	10
ENSP00000358727	ENSG00000148834	GSTO1	4207	1	148	33	0.0002264	0.0004099	-0.856379	0.0066029	0.1057161	0.4992796	0.5061604	181	8	4	8	5	11	5	3	3	3	4	10	8	7	5	5	9	6	7	5	1	3	8	8	6	4	0	2	17	10	6
rev_ENSP00000327436	rev	rev	2852	1	27	6	4.13E-05	7.45E-05	-0.851513	0.5214247	0.7773403	1.7320508	1.7320508	33	0	0	0	1	0	8	0	0	1	0	1	3	0	0	0	1	1	0	1	0	4	1	1	2	0	0	2	0	0	6
ENSP00000365076,ENS	ENSG00000203623		1646	387	9	2	1.38E-05	2.48E-05	-0.851513	0.4572485	0.7406266	1.4411534	1.7320508	11	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	1	1	0	0	1	0	0	2
ENSP00000263754	ENSG00000114166	KAT2B	6383	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4487129	0.7336947	1.4411534	1.7320508	11	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	1	0	1	1	1	0	1	0	0	2
ENSP00000290846_E13	ENSG00000100416	TRMU	6331	1063	9	2	1.38E-05	2.48E-05	-0.851513	0.4980098	0.7673857	1.6641006	1.7320508	11	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	1	0	0	0	1	1	1	0	1	0	0	0	0	0	2
ENSP00000316649,ENS	ENSG00000130703	OSBPL2	1647	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4915727	0.7613824	1.6641006	1.7320508	11	0	1	0	1	0	0	1	0	0	0	1	0	0	1	0	1	0	2	0	0	0	0	0	0	1	0	0	0	2	0
ENSP00000305815,ENS	ENSG00000168214	RBPJ	6224	1327	9	2	1.38E-05	2.48E-05	-0.851513	0.4774598	0.7540349	1.6641006	1.7320508	11	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2	1	0	1	1	0	1	1	0	0	0	0	0	0	2	0
ENSP00000369808,ENS	ENSG00000215305	VPS16	2252	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4395674	0.7262563	1.4411534	1.7320508	11	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	1	1	1	0	0	0	2	0
ENSP00000381066,ENS	ENSG00000076984	MAP2K7	546	127	9	2	1.38E-05	2.48E-05	-0.851513	0.5274304	0.7797288	1.860521	1.7320508	11	0	1	0	2	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	2	0	0	0	0	0	2	0
ENSP00000316578,ENS	ENSG00000178691	SUZ12	2113	507	54	12	8.26E-05	0.000149	-0.851513	0.0358217	0.2449804	0.5547002	0	66	3	2	0	3	2	1	2	3	2	0	2	3	3	3	3	5	2	1	2	2	2	1	1	0	2	2	2	4	4	4
ENSP00000296214,ENS	ENSG00000163875	C1orf149	4755	1033	9	2	1.38E-05	2.48E-05	-0.851513	0.5019176	0.7704851	1.860521	0.8660254	11	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	1	0	0	1	0	2	0	0	0	0	0	1	0	1	1
ENSP00000265758	ENSG00000071462	WBSCR22	1993	476	9	2	1.38E-05	2.48E-05	-0.851513	0.5038354	0.7712639	2.0380987	0.8660254	11	3	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1
ENSP00000356796,ENS	ENSG00000112339	HBS1L	1475	1	36	8	5.51E-05	9.94E-05	-0.851513	0.0729772	0.3341383	0.75	0.2165064	44	2	1	0	3	3	2	2	1	1	1	2	0	1	2	2	1	1	0	1	0	1	2	4	1	1	0	1	3	3	2
ENSP00000257287,ENS	ENSG00000174799	CEP135	910	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4700975	0.7506002	1.6641006	0.8660254	11	0	0	0	0	0	0	1	0	2	0	0	1	1	0	1	0	1	0	0	0	0	1	0	1	0	0	0	1	0	1
rev_ENSP00000265753	rev	rev	4266	949	9	2	1.38E-05	2.48E-05	-0.851513	0.4767078	0.7538784	1.6641006	0.8660254	11	0	0	0	0	0	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	1	0	1
rev_ENSP00000301607	rev	rev	3487	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4827368	0.7556403	1.6641006	0.8660254	11	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	2	0	1	1	1	0	1
ENSP00000253699,ENS	ENSG00000131381	ZFYVE20	3225	1	9	2	1.38E-05	2.48E-05	-0.851513	0.504164	0.7712639	1.860521	0.8660254	11	1	0	1	0	0	0	0	0	0	2	0	2	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1
ENSP00000354671,ENS	ENSG00000086015	MAST2	4429	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5099065	0.7725803	2.0380987	0.8660254	11	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0	2	0	0	1	0	0	2	0	0	1	0	1
ENSP00000338728,ENS	ENSG00000115355	CCDC88A	4850	1	18	4	2.75E-05	4.97E-05	-0.851513	0.4356091	0.7244949	1.5566236	0.4330127	22	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1	1	2	3	3	0	0	0	0	3	2	0	2	1	1
ENSP00000259737,ENS	ENSG00000137207	YIPF3	5959	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4820022	0.7552476	1.6641006	0.8660254	11	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	1	1	2	0	0	1	0	0	1	0	0	0	1	1	0
ENSP00000248935	ENSG00000184674	GSTT1	434	98	18	4	2.75E-05	4.97E-05	-0.851513	0.4814928	0.7552476	1.7650452	1.1456439	22	0	0	0	0	1	2	1	0	1	0	0	0	0	1	0	0	0	1	0	0	0	3	2	5	1	0	0	3	0	1
rev_ENSP00000352085	rev	rev	305	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5153605	0.7741345	1.860521	0.8660254	11	1	1	0	2	0	0	0	0	0	2	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	0
ENSP00000216225_A3E	ENSG00000100387	RBX1	3995	900	9	2	1.38E-05	2.48E-05	-0.851513	0.5264774	0.7796593	2.0380987	0.8660254	11	1	0	0	0	0	0	0	0	1	0	0	0	3	1	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	0
ENSP00000300093,ENS	ENSG00000166851	PLK1	2639	1	9	2	1.38E-05	2.48E-05	-0.851513	0.526531	0.7796593	2.0380987	1.7320508	11	3	1	1	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
rev_ENSP00000245441	rev	rev	946	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5451919	0.7897593	2.0380987	0.8660254	11	1	0	0	0	1	1	1	0	3	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
ENSP00000381064,ENS	ENSG00000104613	INTS10	4884	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5254103	0.7794982	1.860521	0.8660254	11	0	0	0	1	0	0	1	0	0	0	0	2	0	0	0	0	1	0	0	0	2	0	0	1	1	0	0	1	0	1
ENSP00000341466	ENSG00000186185	KIF18B	1450	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5297207	0.7800516	1.860521	0.8660254	11	0	0	0	0	0	0	0	1	2	0	0	0	1	0	0	1	0	0	0	2	1	0	0	1	0	0	0	1	1	0
ENSP00000169551,ENS	ENSG00000075336	C18orf55	1891	452	27	6	4.13E-05	7.45E-05	-0.851513	0.1150146	0.3946733	0.8320503	0.5	33	0	0	0	2	1	1	1	0	1	1	2	1	2	1	3	1	0	0	2	1	1	2	2	1	0	0	1	3	1	2
ENSP00000251195,ENS	ENSG00000092853	CLSPN	1153	276	9	2	1.38E-05	2.48E-05	-0.851513	0.5265963	0.7796593	1.860521	0.8660254	11	0	0	0	0	0	1	0	0	1	0	0	0	2	1	0	0	1	2	0	0	0	0	0	0	0	1	0	1	0	1
ENSP00000272570,ENS	ENSG00000144161	ZC3H8	505	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5342935	0.7824762	2.0380987	0.8660254	11	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	3	1	0	1	0	1
ENSP00000366050	ENSG00000135045	C9orf40	1638	385	9	2	1.38E-05	2.48E-05	-0.851513	0.5338691	0.7824762	2.0380987	0.8660254	11	0	0	0	2	0	0	1	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
ENSP00000319412,ENS	ENSG00000170632	ARMC10	769	184	9	2	1.38E-05	2.48E-05	-0.851513	0.5399025	0.7857844	1.860521	0.8660254	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	2	1	2	0	1	1
rev_ENSP00000262477	rev	rev	727	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5735555	0.809219	2.2013982	1.7320508	11	0	0	1	0	0	0	0	0	0	1	0	1	0	1	3	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0
ENSP00000303769,ENS	ENSG00000106948	AKNA	2125	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5362916	0.7840655	2.0380987	0.8660254	11	0	0	1	0	2	0	0	1	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0
rev_ENSP00000273600	rev	rev	5329	1	27	6	4.13E-05	7.45E-05	-0.851513	0.426769	0.7200096	1.5191091	0.5	33	0	0	0	0	0	0	2	3	2	0	0	0	4	4	3	3	4	2	0	0	0	0	0	0	0	0	0	1	3	2
rev_ENSP00000302028	rev	rev	4572	996	9	2	1.38E-05	2.48E-05	-0.851513	0.5573119	0.7976309	2.2013982	0.8660254	11	0	1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	3	0	0	1	0	1
ENSP00000350301,ENS	ENSG00000085433	WDR47	708	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5909231	0.8221528	2.2013982	1.7320508	11	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	3	1	0	0	0	0	2	1	0	0	2	0	0
ENSP00000351769	ENSG00000167264	DUS2L	4618	1	18	4	2.75E-05	4.97E-05	-0.851513	0.1652962	0.4571088	0.9302605	0.4330127	22	2	0	2	0	1	1	0	1	1	1	0	1	0	1	0	1	0	0	1	1	1	1	1	0	1	0	0	1	2	1
ENSP00000362649	ENSG00000116478	HDAC1	5739	1	108	24	0.0001652	0.0002981	-0.851513	0.0017099	0.0494967	0.4274252	0.4330127	132	3	4	3	3	6	3	2	2	4	4	5	3	2	7	8	4	3	5	3	2	3	7	7	4	5	3	3	12	6	6
ENSP00000287218	ENSG00000156639	ZFAND3	5045	1	9	2	1.38E-05	2.48E-05	-0.851513	0.5924136	0.8235623	2.2013982	0.8660254	11	1	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2	0	0	1	0	0	0	0	1	0	1
ENSP00000285737,ENS	ENSG00000102910	LONP2	1846	1	36	8	5.51E-05	9.94E-05	-0.851513	0.2356058	0.5396231	1.0400629	0.572822	44	2	1	1	1	0	1	3	0	4	1	0	2	4	1	5	1	0	0	3	0	1	1	2	1	0	1	0	1	4	3
ENSP00000296215	ENSG00000163877	SNIP1	4906	1	27	6	4.13E-05	7.45E-05	-0.851513	0.2356346	0.5396231	0.9607689	1	33	3	1	0	1	1	0	0	2	0	2	0	1	0	2	0	1	1	1	2	3	1	2	1	0	0	2	0	4	2	0
ENSP00000273541,ENS	ENSG00000221812	ISY1	5081	1098	27	6	4.13E-05	7.45E-05	-0.851513	0.2089376	0.5070075	0.9607689	0	33	2	0	1	1	0	0	2	0	0	0	1	0	1	2	2	2	0	3	2	0	2	2	0	0	1	2	1	2	2	2
ENSP00000324318,ENS	ENSG00000171853	TTC15	2812	1	18	4	2.75E-05	4.97E-05	-0.851513	0.262543	0.5670876	1.1006991	0.8660254	22	1	1	0	0	1	1	0	0	1	0	2	2	1	0	0	0	1	1	1	1	0	0	2	2	0	0	0	2	2	0
ENSP00000217958,ENS	ENSG00000101843	PSMD10	5770	1240	27	6	4.13E-05	7.45E-05	-0.851513	0.2587745	0.5619883	1.1094004	0.5	33	0	4	1	0	3	2	1	1	1	0	2	0	2	1	2	1	1	0	0	0	0	1	3	0	1	0	0	1	3	2
ENSP00000287322,ENS	ENSG00000156735	BAG4	6395	1362	18	4	2.75E-05	4.97E-05	-0.851513	0.2726787	0.5767966	1.1006991	0.8660254	22	1	0	1	0	0	0	2	0	1	1	2	1	1	2	0	0	0	0	1	0	2	0	0	1	1	0	1	2	2	0
ENSP00000324792,ENS	ENSG00000176953	NFATC2IP	1996	1	18	4	2.75E-05	4.97E-05	-0.851513	0.2628647	0.5670876	1.2480754	0.4330127	22	2	0	0	1	0	0	0	0	0	1	1	0	1	0	2	0	1	0	1	0	1	3	2	1	1	0	0	1	1	2
ENSP00000370109,ENS	ENSG00000164985	PSIP1	3509	1	324	72	0.0004956	0.0008942	-0.851513	0.0096707	0.1280184	0.4160251	0.0416667	396	10	8	3	6	11	5	14	18	15	12	17	9	18	24	22	8	8	10	12	14	10	10	16	9	8	15	12	25	23	24
ENSP00000234454	ENSG00000116096	SPR	2436	1	108	24	0.0001652	0.0002981	-0.851513	0.0139506	0.1582433	0.4853627	0.3307189	132	2	3	4	2	6	3	4	3	3	8	2	6	4	8	6	2	2	5	5	2	7	6	3	4	4	3	1	9	5	10
ENSP00000370684,ENS	ENSG00000205726	ITSN1	2541	1	18	4	2.75E-05	4.97E-05	-0.851513	0.2982187	0.6039861	1.1766968	0.4330127	22	0	1	1	0	1	3	0	0	1	1	1	1	1	1	0	0	0	1	0	1	0	0	2	2	0	0	0	1	2	1
ENSP00000274028,ENS	ENSG00000145388	METTL14	2840	1	18	4	2.75E-05	4.97E-05	-0.851513	0.2868286	0.5913626	1.1766968	0.4330127	22	0	0	1	1	0	1	1	0	0	2	1	2	2	0	0	1	0	1	1	0	2	2	0	0	0	0	0	1	2	1
rev_ENSP00000290209	rev	rev	4073	918	9	2	1.38E-05	2.48E-05	-0.851513	0.3737199	0.674062	1.4411534	0.8660254	11	0	0	0	1	1	0	0	1	1	0	0	0	0	1	0	1	0	0	1	0	0	1	1	0	0	0	0	1	1	0
ENSP00000338019,ENS	ENSG00000135924	DNAJB2	2389	1	18	4	2.75E-05	4.97E-05	-0.851513	0.3107385	0.6166484	1.315587	0.8660254	22	3	2	1	0	0	0	0	0	0	0	0	1	0	2	0	1	1	0	2	1	0	1	0	0	2	0	1	2	0	2
ENSP00000285667	ENSG00000155304	HSPA13	2662	1	54	12	8.26E-05	0.000149	-0.851513	0.0294338	0.2224622	0.5717719	0.6614378	66	4	0	1	2	1	2	2	1	2	2	2	2	2	1	5	1	2	2	3	3	2	2	3	1	4	0	2	7	3	2
rev_ENSP00000333441	rev	rev	1964	1	9	2	1.38E-05	2.48E-05	-0.851513	0.389058	0.6887563	1.4411534	0.8660254	11	1	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	0	1	1	0	1
ENSP00000296802_V22	ENSG00000164346		3609	821	27	6	4.13E-05	7.45E-05	-0.851513	0.3208514	0.6269975	1.1094004	0.5	33	2	2	0	1	2	0	0	4	3	0	1	0	0	2	1	0	0	0	2	1	1	0	1	0	0	2	2	1	2	3
rev_ENSP00000344572	rev	rev	1018	244	18	4	2.75E-05	4.97E-05	-0.851513	0.3292809	0.633749	1.3797993	0.4330127	22	1	0	0	0	0	1	0	0	2	0	1	2	1	0	0	0	0	0	3	0	2	2	2	0	1	0	0	1	1	2
ENSP00000269385,ENS	ENSG00000141570	CBX8	4751	1	18	4	2.75E-05	4.97E-05	-0.851513	0.3426265	0.6473821	1.4411534	0.4330127	22	1	0	0	0	0	0	1	0	0	0	2	0	2	1	0	3	0	1	2	0	1	1	3	0	0	0	0	1	2	1
rev_ENSP00000290650	rev	rev	1375	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4000402	0.698141	1.4411534	0.8660254	11	1	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	0	1	1	0	1
ENSP00000216106,ENS	ENSG00000100281	HMGXB4	563	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4048418	0.7027543	1.4411534	0.8660254	11	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	1	0	1	0	1	0	1	1	0	1
ENSP00000264380,ENS	ENSG00000115020	PIP5K3	5307	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4079729	0.7048703	1.4411534	0.8660254	11	0	0	1	0	0	0	0	0	1	0	1	0	1	1	0	1	0	1	0	0	1	0	0	0	0	0	1	0	1	1
ENSP00000364519,ENS	ENSG00000198176	TFDP1	4889	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4100953	0.7060403	1.4411534	0.8660254	11	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	1	1	0	0	0	1	1
ENSP00000263966	ENSG00000058056	USP13	3903	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4613336	0.7429388	1.6641006	1.7320508	11	0	0	1	1	2	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0
ENSP00000356827,ENS	ENSG00000197965	MPZL1	635	152	9	2	1.38E-05	2.48E-05	-0.851513	0.4378512	0.7247384	1.6641006	0.8660254	11	2	0	1	1	0	1	0	0	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
rev_ENSP00000346560	rev	rev	2091	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4295929	0.7210248	1.4411534	0.8660254	11	0	1	0	0	0	0	0	1	1	0	0	0	0	1	1	0	1	0	1	1	0	0	0	0	0	0	1	0	1	1
ENSP00000318136,ENS	ENSG00000109083	IFT20	1119	270	9	2	1.38E-05	2.48E-05	-0.851513	0.4415498	0.7276857	1.6641006	0.8660254	11	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	2	0	0	1	0	1
ENSP00000368318,ENS	ENSG00000169972	PUSL1	3355	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4587973	0.7416711	1.6641006	0.8660254	11	1	0	0	1	1	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	1	1	0
rev_ENSP00000301740	rev	rev	157	1	9	2	1.38E-05	2.48E-05	-0.851513	0.460276	0.742639	1.860521	0.8660254	11	0	0	1	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	2	0	0	1	0	0	1	1	0
rev_ENSP00000358140	rev	rev	2498	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4611052	0.7429388	1.6641006	0.8660254	11	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	2	0	0	0	1	0	1
ENSP00000264380_rs1(	ENSG00000115020	PIP5K3	5308	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4594643	0.7421853	1.6641006	0.8660254	11	0	0	1	0	0	0	0	0	1	0	1	0	1	1	0	2	0	0	0	0	1	0	0	0	0	0	1	0	1	1
ENSP00000325562,ENS	ENSG00000173436	C1orf151	6421	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4442846	0.7299762	1.4411534	0.8660254	11	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	1	1	1	0	1
ENSP00000284376,ENS	ENSG00000154222	CC2D1B	6407	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4833574	0.7561181	1.6641006	0.8660254	11	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	1
ENSP00000332756,ENS	ENSG00000101974	ATP11C	5883	1	9	2	1.38E-05	2.48E-05	-0.851513	0.4712626	0.7513871	1.860521	0.8660254	11	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	2	0	0	0	0	0	2	0	1	0	1	1
ENSP00000364310	ENSG00000188486	H2AFX	5223	1	379	84	0.0005797	0.0010433	-0.847702	0.1235549	0.407958	0.865655	0.6614378	463	10	5	16	4	7	13	9	6	16	9	4	11	4	17	19	7	13	12	24	13	20	23	13	13	68	15	8	49	14	21
ENSP00000382881,ENS	ENSG00000071127	WDR1	4293	1	299	66	0.0004574	0.0008197	-0.841831	0.0146578	0.1630566	0.5571742	0.7143743	365	23	4	8	11	19	18	11	2	8	14	16	10	10	15	14	9	6	14	14	0	6	23	17	12	10	1	4	40	11	15
ENSP00000327179,ENS	ENSG00000141076	CIRH1A	4161	933	68	15	0.000104	0.0001863	-0.840866	0.0117107	0.1425644	0.5546852	0.3464102	83	5	1	3	1	1	2	3	1	1	5	3	3	2	3	2	2	1	2	4	1	2	4	5	3	5	1	2	6	3	6
ENSP00000338034,ENS	ENSG00000176422	SPRYD4	590	1	59	13	9.02E-05	0.0001615	-0.839235	0.0681215	0.3267125	0.8229172	0.3525058	72	2	1	2	2	2	3	1	1	2	0	2	1	5	5	2	2	1	1	3	1	2	9	3	2	2	0	2	6	3	4
ENSP00000251074	ENSG00000075188	NUP37	2951	1	59	13	9.02E-05	0.0001615	-0.839235	0.0458911	0.2739587	0.6476433	0.4803845	72	6	2	1	1	1	1	3	0	2	4	3	2	3	2	2	3	1	3	3	2	2	2	3	0	5	0	2	2	6	5
ENSP00000370968_D11	ENSG00000132382	MYBBP1A	1895	1	50	11	7.65E-05	0.0001366	-0.837014	0.1756908	0.4705956	0.9555184	0.5677271	61	1	1	1	2	0	3	0	0	1	0	3	1	2	3	2	2	0	4	7	4	3	4	4	2	0	0	0	3	6	2
ENSP00000359958,ENS	ENSG00000132485	ZRANB2	1435	1	91	20	0.0001392	0.0002484	-0.835572	0.0160522	0.1700514	0.4808773	0.7088723	111	4	3	5	3	2	1	2	2	5	6	4	7	2	3	2	3	3	2	6	2	2	6	4	2	5	3	2	12	5	3
ENSP00000361186,ENS	ENSG00000172315	TP53RK	5038	1086	41	9	6.27E-05	0.0001118	-0.833811	0.1395386	0.4238875	0.803854	0.3333333	50	1	3	1	4	4	1	1	0	0	1	2	0	2	3	2	2	2	0	0	0	1	1	3	1	3	2	1	2	3	4
ENSP00000160827,ENS	ENSG00000079616	KIF22	5907	1	41	9	6.27E-05	0.0001118	-0.833811	0.2296778	0.5325352	0.9016527	0.3333333	50	3	2	0	1	0	1	3	4	1	2	1	2	4	4	1	1	0	2	1	3	0	0	0	0	0	3	2	2	4	3
ENSP00000040663	ENSG00000037757	MRI1	82	1	41	9	6.27E-05	0.0001118	-0.833811	0.2769347	0.5806636	1.1313741	0.5773503	50	5	3	3	4	5	4	0	0	0	2	0	2	0	0	0	2	0	0	0	2	0	2	3	3	0	1	0	2	5	2
ENSP00000356972,ENS	ENSG00000158864	NDUFS2	2979	1	114	25	0.0001744	0.0003105	-0.832404	0.0882844	0.3604911	0.6773637	0.4214262	139	3	0	5	2	4	8	3	0	2	7	4	4	2	2	8	2	4	7	5	0	10	4	8	6	8	0	6	12	5	8
ENSP00000257829,ENS	ENSG00000135372	NAT10	3486	1	379	83	0.0005797	0.0010309	-0.830424	0.0063794	0.104342	0.3993366	0.1629849	462	10	12	13	9	10	11	10	4	16	12	14	21	15	10	8	14	10	13	27	18	25	13	11	15	27	13	18	32	23	28
ENSP00000346542,ENS	ENSG00000163938	GNL3	4945	1	137	30	0.0002096	0.0003726	-0.830297	0.0251552	0.2055654	0.4917172	0.1	167	7	4	5	2	2	5	6	6	6	4	4	9	4	9	6	3	4	2	4	2	2	5	3	7	12	6	8	10	9	11
ENSP00000323046	ENSG00000107371	EXOSC3	2006	1	64	14	9.79E-05	0.0001739	-0.828793	0.0789853	0.3434064	0.8034233	0.4460713	78	3	0	3	1	2	2	1	0	3	2	4	2	3	3	3	1	2	2	3	1	3	6	3	0	9	0	2	7	4	3
ENSP00000318575,ENS	ENSG00000183785	TUBA8	4406	1	32	7	4.89E-05	8.69E-05	-0.828793	0.2609498	0.5648023	1.1940923	0.6546537	39	3	0	3	0	0	3	0	0	1	1	0	2	1	1	3	0	0	1	1	0	1	5	1	1	4	0	0	4	1	2
ENSP00000346340,ENS	ENSG00000198612	COPS8	2690	627	32	7	4.89E-05	8.69E-05	-0.828793	0.0407171	0.2589751	0.4701901	0.4948717	39	1	2	1	1	1	3	2	1	1	2	1	1	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	3	3	1
ENSP00000345771,ENS	ENSG00000152556	PFKM	589	1	78	17	0.0001193	0.0002111	-0.823499	0.098107	0.3721333	0.7994081	0.2695633	95	2	1	4	3	2	3	3	0	2	4	2	7	5	4	4	1	3	3	7	0	0	9	2	5	0	0	2	7	4	6
ENSP00000325690,ENS	ENSG00000142453	CARM1	3298	1	101	22	0.0001545	0.0002732	-0.822658	0.0071258	0.1097169	0.5221306	0.1574592	123	5	3	3	4	5	3	5	2	3	4	6	7	4	7	7	2	1	2	4	3	2	7	5	3	3	0	1	8	8	6
ENSP00000360154	ENSG00000122126	OCRL	5250	1138	23	5	3.52E-05	6.21E-05	-0.819804	0.3100749	0.6160824	1.0652003	1.2489996	28	1	0	0	3	1	1	1	0	0	1	0	2	2	1	0	2	1	1	1	0	0	0	3	1	0	1	0	1	0	4
ENSP00000264275,ENS	ENSG00000064012	CASP8	5989	1271	23	5	3.52E-05	6.21E-05	-0.819804	0.2372654	0.5416438	0.9036787	1.2489996	28	1	0	1	1	1	2	1	0	0	2	0	1	1	0	2	1	2	2	1	0	0	2	1	1	0	0	0	4	0	1
ENSP00000336922_rs1:	ENSG00000140264	SERF2	3786	1	92	20	0.0001407	0.0002484	-0.819804	0.0476525	0.2783082	0.6370744	0.6062178	112	7	2	5	3	2	5	3	2	4	4	3	6	4	1	6	0	2	4	8	1	5	5	2	1	6	0	1	11	3	6
ENSP00000350028,ENS	ENSG00000155363	MOV10	3708	837	92	20	0.0001407	0.0002484	-0.819804	0.0793266	0.3440182	0.6822696	0.0866025	112	5	7	3	1	1	1	6	5	4	5	6	4	4	7	8	5	1	4	3	3	1	4	2	2	0	0	0	6	7	7
ENSP00000263969,ENS	ENSG00000171109	MFN1	1473	1	23	5	3.52E-05	6.21E-05	-0.819804	0.1443917	0.4306626	0.7775758	0.6928203	28	1	1	0	1	1	1	1	1	1	2	2	0	1	0	0	2	1	0	1	1	1	2	0	0	1	0	1	1	3	1
ENSP00000267163	ENSG00000139687	RB1	5986	1	46	10	7.04E-05	0.0001242	-0.819804	0.1320839	0.4183139	0.8585633	0.3464102	56	1	0	0	4	3	2	1	2	2	1	0	1	3	2	0	2	2	2	3	1	1	4	2	0	6	1	0	4	4	2
ENSP00000320345,ENS	ENSG00000018610	CXorf56	1975	472	23	5	3.52E-05	6.21E-05	-0.819804	0.2552904	0.5587971	1.014222	0.6928203	28	2	1	2	2	0	0	2	1	2	0	0	1	1	0	1	3	1	0	1	0	0	1	1	0	1	0	0	1	3	1
ENSP00000323076	ENSG00000178057	NDUFAF3	1966	468	46	10	7.04E-05	0.0001242	-0.819804	0.0072393	0.1105778	0.4833268	0.3464102	56	2	0	1	1	2	1	2	1	1	1	2	2	1	3	2	2	1	1	3	2	2	2	2	2	4	1	2	4	4	2
ENSP00000233078,ENS	ENSG00000071626	DAZAP1	3416	1	46	10	7.04E-05	0.0001242	-0.819804	0.2455451	0.5474958	1.113848	0.6244998	56	3	0	1	0	0	2	0	0	2	4	2	1	0	1	1	0	0	2	5	0	5	7	2	2	4	0	2	5	1	4
ENSP00000350083,ENS	ENSG00000112200	ZNF451	3902	888	23	5	3.52E-05	6.21E-05	-0.819804	0.2919063	0.5974813	1.160458	0.3464102	28	0	0	1	0	0	0	0	1	2	1	2	2	4	1	1	2	0	0	2	1	1	0	1	0	0	1	0	1	2	2
ENSP00000206474,ENS	ENSG00000092036	C14orf94	1518	1	23	5	3.52E-05	6.21E-05	-0.819804	0.3613092	0.6649355	1.4080824	0.3464102	28	2	0	2	0	2	0	1	1	3	2	1	0	1	5	0	0	0	1	0	0	0	1	0	1	0	0	0	2	1	2
ENSP00000311134,ENS	ENSG00000196642	C9orf86	5354	1	83	18	0.000127	0.0002236	-0.816324	0.047115	0.277418	0.5979632	0.2886751	101	2	2	4	3	5	5	4	2	5	4	3	4	5	6	5	5	2	2	4	1	5	0	2	3	0	0	0	8	5	5
ENSP00000355656,ENS	ENSG00000168274	HIST1H2AE	5222	1	383	83	0.0005858	0.0010309	-0.815277	0.1395258	0.4238875	0.8558453	0.6687561	466	10	8	14	3	9	13	9	10	16	9	5	9	2	18	18	6	11	12	24	19	18	23	14	11	68	17	7	49	16	18
ENSP00000337261,ENS	ENSG00000076928	ARHGEF1	4882	1	157	34	0.0002401	0.0004223	-0.81428	0.073542	0.3344967	0.6052786	0.1347816	191	1	4	3	6	4	7	3	5	2	11	6	8	8	4	4	11	13	14	6	3	5	5	11	5	4	1	3	11	13	10
ENSP00000349685,ENS	ENSG00000132549	VPS13B	5676	1	37	8	5.66E-05	9.94E-05	-0.811985	0.1344278	0.418722	0.7612725	0.2165064	45	1	1	2	2	2	1	4	0	2	0	3	0	2	1	3	2	2	1	1	0	0	2	2	1	0	1	1	3	3	2
ENSP00000252029,ENS	ENSG00000025708	TYMP	4508	1	37	8	5.66E-05	9.94E-05	-0.811985	0.5018758	0.7704851	1.8455111	0.7806247	45	0	0	0	1	0	1	0	0	0	6	11	6	0	0	0	2	0	1	3	1	2	1	1	1	0	0	0	5	1	2
ENSP00000263084,ENS	ENSG00000214014		24	1	37	8	5.66E-05	9.94E-05	-0.811985	0.2913078	0.596819	0.952487	0.7806247	45	1	1	1	1	3	4	0	3	2	2	2	3	1	2	0	1	0	0	1	0	0	1	1	0	1	1	5	2	1	5
ENSP00000326981,ENS	ENSG00000177971	IMP3	1267	297	74	16	0.0001132	0.0001987	-0.811985	0.01108	0.137981	0.4244488	0.286411	90	3	0	4	3	4	2	2	2	4	2	4	3	1	3	4	2	2	2	3	5	2	3	5	2	2	2	3	5	7	4
ENSP00000361050,ENS	ENSG00000148248	SURF4	966	230	74	16	0.0001132	0.0001987	-0.811985	0.2365478	0.5407637	1.0299703	0.9437293	90	9	0	7	1	0	5	4	0	2	3	0	4	0	0	5	0	0	3	2	0	5	6	4	3	9	0	2	10	0	6
ENSP00000220822,ENS	ENSG00000104381	GDAP1	5955	1	37	8	5.66E-05	9.94E-05	-0.811985	0.293154	0.5987181	0.994563	0.2165064	45	0	2	0	0	2	1	3	4	3	3	3	3	3	0	1	0	0	0	1	2	0	0	0	0	2	3	1	3	3	2
ENSP00000366819	ENSG00000118939	UCHL3	3015	1	125	27	0.0001912	0.0003353	-0.810541	0.0439988	0.2696218	0.5719473	0.3333333	152	8	10	8	6	8	9	4	6	4	3	5	2	4	6	3	4	2	6	0	2	1	5	8	4	3	3	1	12	9	6
ENSP00000362273,ENS	ENSG00000116863	ADPRHL2	4690	1	51	11	7.80E-05	0.0001366	-0.808445	0.0696247	0.3288607	0.6286988	0.4165978	62	1	3	0	2	0	2	1	4	2	2	2	1	3	4	3	1	1	3	1	2	0	4	3	1	2	1	2	5	4	2
ENSP00000216194_R29	ENSG00000100357	ADSL	3386	1	51	11	7.80E-05	0.0001366	-0.808445	0.1585008	0.4498107	0.8477373	0.4165978	62	6	4	2	2	2	2	1	2	1	6	3	4	2	2	2	0	1	1	0	1	0	1	1	1	3	1	0	4	2	5
ENSP00000196061,ENS	ENSG00000083444	PLOD1	3058	1	65	14	9.94E-05	0.0001739	-0.806425	0.1990425	0.4955518	0.9377823	0.5392739	79	7	1	5	0	0	0	5	0	3	5	2	8	3	1	4	1	0	3	4	0	1	3	1	2	4	0	2	7	2	5
ENSP00000265782,ENS	ENSG00000102172	SMS	4608	1	79	17	0.0001208	0.0002111	-0.80512	0.0180559	0.1820404	0.4538668	0.4441079	96	3	3	5	3	3	3	5	3	2	2	4	5	3	5	3	3	4	4	1	1	1	4	2	2	3	0	2	8	3	6
ENSP00000339145_rs9:	ENSG00000160208	RRP1B	2595	1	135	29	0.0002065	0.0003602	-0.802604	0.0280062	0.2158631	0.543493	0.2603391	164	6	6	2	3	2	2	4	5	4	4	6	2	4	10	5	3	2	2	9	8	5	7	8	2	12	6	6	10	12	7
ENSP00000315387,ENS	ENSG00000181284	TMEM102	274	1	14	3	2.14E-05	3.73E-05	-0.799046	0.4348475	0.7243064	1.3500392	1.7320508	17	0	0	0	1	0	0	0	0	0	1	0	1	0	1	1	1	1	0	0	1	1	0	3	1	0	0	1	0	3	0
ENSP00000362455	ENSG00000102390	CXorf26	1381	1	70	15	0.0001071	0.0001863	-0.799046	0.0506754	0.284245	0.6787767	0.4	85	4	3	2	4	4	2	2	1	1	4	5	2	3	7	3	2	2	3	0	0	0	4	5	2	4	0	1	7	3	5
ENSP00000225729,ENS	ENSG00000108591	DRG2	6393	1	56	12	8.57E-05	0.000149	-0.799046	0.1044826	0.3823006	0.7315228	0.25	68	5	3	5	2	2	4	1	1	3	1	2	2	3	2	4	2	0	1	0	0	1	2	2	5	2	0	1	5	3	4

ENSP00000222270,ENS	ENSG00000105663		923	1	14	3	2.14E-05	3.73E-05	-0.799046	0.4709872	0.7513871	1.6373534	0	17	0	0	1	0	1	0	0	0	0	0	0	0	3	0	1	2	0	1	0	0	0	0	1	0	2	0	2	1	1	1
ENSP00000328103,ENS	ENSG00000184708	EIF4ENIF1	6282	1337	14	3	2.14E-05	3.73E-05	-0.799046	0.491456	0.7613824	1.6373534	1	17	0	1	0	3	0	0	1	1	1	0	0	0	3	0	1	1	0	0	0	0	0	1	1	0	0	0	0	1	2	0
ENSP00000263309,ENS	ENSG00000074201	CLNS1A	4236	1	14	3	2.14E-05	3.73E-05	-0.799046	0.5101639	0.7725803	1.7225078	1	17	2	3	3	0	1	0	0	1	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1
ENSP00000380514	ENSG00000063854	HAGH	2758	1	28	6	4.28E-05	7.45E-05	-0.799046	0.152819	0.4416576	0.8235162	0.5	34	2	0	1	3	2	2	1	0	0	1	1	2	2	1	1	2	0	1	1	0	0	1	2	1	1	0	0	2	1	3
ENSP00000231238	ENSG00000113312	TTC1	440	1	56	12	8.57E-05	0.000149	-0.799046	0.1668884	0.4599847	0.8554671	0.25	68	1	3	4	2	0	1	2	2	4	2	2	2	8	4	4	2	0	4	1	0	1	2	1	2	2	0	0	4	5	3
ENSP00000362354,ENS	ENSG00000132793	LPIN3	5348	1158	14	3	2.14E-05	3.73E-05	-0.799046	0.5416919	0.7870552	1.8036462	0	17	0	4	1	1	0	0	0	2	0	0	1	0	2	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	1	1
ENSP00000323288,ENS	ENSG00000166133	RPUSD2	329	77	28	6	4.28E-05	7.45E-05	-0.799046	0.1923806	0.4885683	0.9448593	0.5	34	2	0	1	0	0	1	2	1	1	1	1	1	0	2	0	1	0	0	2	0	3	3	3	1	1	1	0	3	2	1
ENSP00000255108	ENSG00000132768	DPH2	4547	1	14	3	2.14E-05	3.73E-05	-0.799046	0.3216072	0.6272788	1.2395561	0	17	1	0	0	0	0	0	0	1	0	1	1	1	1	0	0	1	0	1	0	0	0	2	1	2	1	0	0	1	1	1
ENSP00000318203,ENS	ENSG00000176244	ACBD7	5840	1249	14	3	2.14E-05	3.73E-05	-0.799046	0.311639	0.6173068	1.1182095	0	17	1	1	0	1	2	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	1	1	1	0	1	1	1	1	1
ENSP00000262031	ENSG00000076067	RBMS2P,RB	2883	666	28	6	4.28E-05	7.45E-05	-0.799046	0.3452074	0.6496202	1.0523018	0.5	34	1	2	0	0	0	0	2	5	2	1	1	0	1	2	1	1	2	1	1	1	2	0	0	0	1	1	0	2	3	1
ENSP00000258169,ENS	ENSG00000135698	MPHOSPH6	3610	1	14	3	2.14E-05	3.73E-05	-0.799046	0.3431001	0.6478601	1.1182095	0	17	1	1	0	1	0	0	0	2	0	1	0	0	1	1	1	1	0	0	0	0	0	0	1	0	1	1	1	1	1	1
ENSP00000262963,ENS	ENSG00000105426	PTPRS	4491	1	14	3	2.14E-05	3.73E-05	-0.799046	0.3670069	0.6690845	1.2395561	1	17	1	0	1	1	2	1	0	0	0	2	1	0	0	0	0	1	1	0	1	0	1	0	0	0	1	0	0	1	0	2
ENSP00000360730	ENSG00000131724	IL13RA1	1865	444	14	3	2.14E-05	3.73E-05	-0.799046	0.3520673	0.6560841	1.2395561	0	17	1	0	1	0	0	1	0	0	2	1	0	1	1	1	1	0	0	1	0	0	0	0	1	2	0	0	0	1	1	1
ENSP00000385254,ENS	ENSG00000184792	OSBP2	2961	1	14	3	2.14E-05	3.73E-05	-0.799046	0.3846378	0.6840087	1.2395561	1	17	0	0	0	1	0	0	0	0	1	1	0	1	2	0	0	1	2	1	0	0	1	0	1	1	1	0	0	2	0	1
ENSP00000238379_rs1(	ENSG00000119431	HDHD3	6110	1	28	6	4.28E-05	7.45E-05	-0.799046	0.3726367	0.6736001	1.1804431	0	34	0	1	1	0	3	1	1	2	0	1	2	0	1	2	0	1	5	1	1	2	3	0	0	0	0	0	0	2	2	2
ENSP00000302085,ENS	ENSG00000169228	RAB24	5742	1	14	3	2.14E-05	3.73E-05	-0.799046	0.4185519	0.7139939	1.3500392	1	17	1	2	1	1	1	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	2	1	0	1	0	0	1	0	1	2
ENSP00000313983	ENSG00000147548	WHSC1L1	6339	1	14	3	2.14E-05	3.73E-05	-0.799046	0.4158621	0.71152	1.4521407	1	17	0	0	1	0	0	0	1	1	0	0	0	0	2	3	1	0	0	0	1	1	1	0	1	1	0	0	0	0	2	1
ENSP00000331369	ENSG00000163170	BOLA3	6376	1355	14	3	2.14E-05	3.73E-05	-0.799046	0.4204774	0.7155916	1.5475204	1	17	2	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3	0	1	0	0	1	2	0	1	2	0	1
ENSP00000301196,ENS	ENSG00000167615	LENG8	913	1	14	3	2.14E-05	3.73E-05	-0.799046	0.4400375	0.7265757	1.5475204	0	17	0	0	0	0	3	0	2	0	0	0	1	0	0	1	1	2	1	0	0	1	0	0	1	0	1	0	0	1	1	1
ENSP00000358727_rs4!	ENSG00000148834	GSTO1	4208	1	145	31	0.0002218	0.000385	-0.795725	0.0115537	0.1415832	0.5011064	0.436379	176	8	4	8	4	11	4	3	3	3	4	10	8	6	5	5	9	6	7	5	1	4	7	8	6	4	0	2	15	10	6
ENSP00000257468,ENS	ENSG00000135018	UBQLN1	1079	1	75	16	0.0001147	0.0001987	-0.79262	0.0558621	0.2977332	0.5764614	0.7577722	91	3	0	2	2	2	2	2	2	4	5	1	4	4	1	6	2	2	3	3	2	1	6	5	5	3	1	2	9	1	6
ENSP00000349486,ENS	ENSG00000180900	SCRIB	2075	1	211	45	0.0003227	0.0005589	-0.792192	0.0002047	0.012295	0.3567385	0.1154701	256	12	5	6	7	5	7	7	3	8	9	4	7	8	11	9	6	7	6	13	7	7	14	12	10	9	4	8	14	17	14
ENSP00000328992,ENS	ENSG00000159086	C21orf66	601	142	61	13	9.33E-05	0.0001615	-0.791141	0.1868173	0.4839862	0.7821421	0.7418193	74	1	2	1	2	0	1	2	2	3	2	3	3	1	3	1	2	0	0	7	4	7	3	3	1	1	2	4	2	8	3
ENSP00000295767,ENS	ENSG00000163528	CHCHD4	2173	301	61	13	9.33E-05	0.0001615	-0.791141	0.1499966	0.4381763	0.8557507	0.1332347	74	2	0	1	2	1	0	2	0	3	0	2	3	1	2	2	2	1	2	4	3	7	7	4	4	5	0	1	5	4	4
ENSP00000352137	ENSG00000067334	DNTTIP2	2868	1	108	23	0.0001652	0.0002857	-0.790113	0.0613884	0.3133682	0.6201737	0.5271459	131	6	1	3	1	0	2	3	3	6	6	5	2	6	3	4	3	1	1	10	3	6	8	5	3	7	3	7	10	3	10
ENSP00000253237_rs2:	ENSG00000105447	GRWD1	4679	1	47	10	7.19E-05	0.0001242	-0.788777	0.0761088	0.3379116	0.7052453	0.4582576	57	2	1	1	2	2	1	3	1	3	2	4	1	4	3	1	0	1	2	0	1	2	4	2	1	3	0	0	5	3	2
ENSP00000367392,ENS	ENSG00000152465	NMT2	5391	159	47	10	7.19E-05	0.0001242	-0.788777	0.1058909	0.383813	0.7573162	0.4582576	57	3	0	2	3	2	2	1	0	2	2	0	3	1	2	4	0	1	3	2	0	1	5	1	2	3	0	2	5	2	3
ENSP00000367385,ENS	ENSG00000152465	NMT2	5851	159	47	10	7.19E-05	0.0001242	-0.788777	0.1129345	0.3918711	0.7901261	0.4582576	57	3	0	2	3	2	2	1	0	2	2	0	3	1	2	4	0	1	3	2	0	1	5	1	2	4	0	1	5	2	3
ENSP00000253329	ENSG00000131013	PPIL4	832	1	127	27	0.0001943	0.0003353	-0.787641	0.0217302	0.1974149	0.4783549	0.4006168	154	5	5	3	2	1	1	4	7	6	3	5	8	4	6	5	2	3	4	10	8	5	8	4	3	7	4	4	12	10	5
ENSP00000225655	ENSG00000108518	PFN1	92	1	414	88	0.0006333	0.001093	-0.787383	0.0478086	0.2783082	0.6699907	0.4653544	502	9	7	11	2	37	16	15	6	12	18	36	21	12	36	22	5	7	14	14	7	8	32	19	18	22	1	7	44	27	17
ENSP00000216044	ENSG00000100226	GTPBP1	3705	1	80	17	0.0001224	0.0002111	-0.786973	0.0479577	0.2783082	0.6381784	0.2037707	97	4	2	4	2	2	5	2	0	3	6	4	2	3	3	6	3	2	3	6	1	2	4	7	3	1	0	0	7	5	5
ENSP00000311508,ENS	ENSG00000173039	RELA	4606	1	80	17	0.0001224	0.0002111	-0.786973	0.0372151	0.2498783	0.5730737	0.2037707	97	1	2	1	3	3	3	3	3	2	4	6	3	5	5	2	5	5	5	2	1	1	6	4	2	2	1	0	7	5	5
ENSP00000334409,ENS	ENSG00000100938	GMPR2	2832	654	33	7	5.05E-05	8.69E-05	-0.784399	0.2452709	0.5474603	0.9170976	1.0785478	40	2	1	0	2	2	1	1	0	0	1	2	1	0	4	1	0	1	2	2	2	0	1	4	1	0	2	0	0	5	2
ENSP00000246747	ENSG00000213465	ARL2	2985	684	33	7	5.05E-05	8.69E-05	-0.784399	0.0980727	0.3721333	0.6550697	0.4948717	40	2	2	1	2	2	1	2	0	1	2	0	2	1	0	2	1	2	1	0	1	1	3	1	1	1	1	0	3	3	1
ENSP00000356563	ENSG00000034693	PEX3	3223	1	33	7	5.05E-05	8.69E-05	-0.784399	0.187674	0.4848766	0.8286049	0.2474358	40	2	1	2	1	0	2	1	1	4	0	0	2	2	1	1	2	1	1	0	0	3	0	1	2	2	0	1	3	2	2
ENSP00000249289	ENSG00000128524	ATP6V1F	5616	1201	52	11	7.95E-05	0.0001366	-0.78043	0.0554649	0.2968306	0.6097187	0.3149183	63	5	3	3	2	3	2	2	1	1	1	1	3	1	1	2	0	1	2	2	0	3	3	4	2	1	1	2	3	3	5
ENSP00000352137_rs3:	ENSG00000067334	DNTTIP2	2869	1	104	22	0.0001591	0.0002732	-0.78043	0.0782355	0.3415367	0.6428328	0.6298367	126	6	2	3	1	0	2	3	3	6	6	5	2	5	2	4	3	1	1	10	2	6	8	4	3	7	2	7	10	2	10
ENSP00000323837,ENS	ENSG00000163798	SLC4A1AP	730	1	52	11	7.95E-05	0.0001366	-0.78043	0.1413201	0.4255405	0.7044061	0.3149183	63	4	5	3	4	2	2	0	4	1	3	2	2	3	2	1	2	0	0	1	2	1	0	2	0	2	2	2	5	3	3
ENSP00000303991	ENSG00000162191	UBXN1	1946	1	71	15	0.0001086	0.0001863	-0.778582	0.029472	0.2224622	0.5694285	0.2	86	2	1	3	2	2	3	1	1	3	3	5	3	3	5	5	2	1	4	6	2	4	3	2	3	1	0	1	6	4	5
ENSP00000296464,ENS	ENSG00000164070	HSPA4L	1615	1	256	54	0.0003916	0.0006707	-0.776326	0.0320484	0.2324611	0.626951	0.096225	310	5	5	5	8	13	9	3	5	6	5	15	8	6	15	10	12	9	16	7	8	7	28	24	10	8	6	3	20	17	17
ENSP00000256689,ENS	ENSG00000134294	SLC38A2	3370	568	19	4	2.91E-05	4.97E-05	-0.773511	0.2962647	0.6020506	0.9504	1.1456439	23	1	0	2	0	0	1	1	1	1	2	1	2	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	1	3
ENSP00000340918_N1(	ENSG00000153707	PTPRD	5460	1	19	4	2.91E-05	4.97E-05	-0.773511	0.2709947	0.5750864	0.8648251	1.1456439	23	1	0	1	1	2	1	1	1	1	1	1	0	0	1	1	1	2	0	1	0	1	0	0	0	1	0	0	1	0	3
ENSP00000265175,ENS	ENSG00000138802	SEC24B	4722	1026	19	4	2.91E-05	4.97E-05	-0.773511	0.2587528	0.5619883	0.9504	0.8660254	23	0	1	0	1	1	1	0	1	0	0	2	0	1	1	0	1	0	2	1	1	1	1	2	1	0	0	0	0	2	2
ENSP00000288757	ENSG00000157895	C12orf43	3348	757	38	8	5.81E-05	9.94E-05	-0.773511	0.0974444	0.3716888	0.6311993	0.2165064	46	1	2	3	1	3	1	1	2	2	1	1	2	0	1	1	0	1	1	3	2	3	0	2	1	1	1	1	3	2	3
ENSP00000229795	ENSG00000112062	MAPK14	357	1	38	8	5.81E-05	9.94E-05	-0.773511	0.194869	0.4909793	0.8648251	0.7806247	46	3	1	3	1	1	4	0	1	1	1	2	1	1	5	1	2	0	0	1	2	1	1	2	2	1	0	0	1	5	2
ENSP00000367439,ENS	ENSG00000152464	RPP38	4069	1	38	8	5.81E-05	9.94E-05	-0.773511	0.1325656	0.4183139	0.744144	0.572822	46	3	2	0	0	1	0	1	2	0	1	2	1	2	1	1	3	2	0	2	2	1	4	2	0	2	2	1	3	4	1
ENSP00000238146,ENS	ENSG00000111364	DDX55	316	1	38	8	5.81E-05	9.94E-05	-0.773511	0.1896561	0.4865065	0.8186902	0.2165064	46	2	1	2	4	0	2	2	1	2	5	1	2	1	2	1	2	1	1	2	1	0	1	1	0	1	0	0	3	3	2
ENSP00000298746	ENSG00000165832	TRUB1	6260	1	38	8	5.81E-05	9.94E-05	-0.773511	0.2017982	0.4988891	0.9086206	0.2165064	46	1	0	2	1	2	1	1	0	1	5	3	3	3	2	2	0	2	0	2	0	1	3	2	1	0	0	0	3	2	3
ENSP00000361446,ENS	ENSG00000148606	POLR3A	6088	1	38	8	5.81E-05	9.94E-05	-0.773511	0.2172372	0.5169404	0.9086206	0.2165064	46	4	1	2	2	2	3	0	0	2	1	1	5	2	0	1	2	1	1	1	0	1	0	0	1	3	2	0	2	3	3
ENSP00000304467,ENS	ENSG00000172009	THOP1	5266	1	171	36	0.0002616	0.0004471	-0.773511	0.018827	0.1857516	0.5291422	0.2204793	207	5	2	5	5	3	6	8	3	6	13	10	7	12	7	11	4	1	4	9	6	3	10	9	6	11	2	3	15	10	11
ENSP00000325333,ENS	ENSG00000179222	MAGED1	4943	1	19	4	2.91E-05	4.97E-05	-0.773511	0.3146065	0.6203548	1.1017875	0.4330127	23	2	2	2	1	0	0	1	0	2	1	1	0	1	1	2	1	0	0	0	0	0	0	0	0	1	0	1	1	2	1
ENSP00000229735,ENS	ENSG00000206376		5326	327	19	4	2.91E-05	4.97E-05	-0.773511	0.3652887	0.6677309	1.1701596	1.1456439	23	2	0	0	1	0	0	0	0	2	0	0	2	0	2	0	0	0	2	1	0	2	1	1	1	1	0	1	1	0	3
ENSP00000290429,ENS	ENSG00000100294	MCAT	4595	1	19	4	2.91E-05	4.97E-05	-0.773511	0.3583391	0.6619009	1.1017875	0.4330127	23	0	1	1	0	2	3	0	0	0	1	1	0	0	1	1	0	1	0	0	1	1	1	1	0	1	2	0	2	1	1
ENSP00000270517,ENS	ENSG00000130159	ECSIT	735	174	19	4	2.91E-05	4.97E-05	-0.773511	0.3688022	0.6709521	1.2961284	1.1456439	23	0	0	1	0	0	0	1	0	1	1	0	0	0	0	1	0	0	1	1	0	2	3	3	1	2	0	1	3	0	1
ENSP00000218340	ENSG00000102218	RP2	3292	1	19	4	2.91E-05	4.97E-05	-0.773511	0.3996154	0.698141	1.2347514	1.1456439	23	0	2	1	1	2	2	1	0	0	0	1	0	0	1	0	2	0	0	0	2	2	0	2	0	0	0	0	1	3	0
ENSP00000262039,ENS	ENSG00000078142	PIK3C3	1755	419	19	4	2.91E-05	4.97E-05	-0.773511	0.4019796	0.7000249	1.3547275	0.4330127	23	0	0	0	1	1	0	1	0	1	2	0	0	3	2	0	3	1	2	0	0	1	1	0	0	0	0	0	1	1	2
ENSP00000261303	ENSG00000100764	PSMC1	977	1	347	73	0.0005308	0.0009067	-0.772471	0.0037038	0.0790855	0.4677078	0.12555	420	22	9	16	6	7	10	13	6	17	16	11	17	8	17	18	7	5	10	18	5	9	25	22	12	23	7	11	25	27	21
ENSP00000222005,ENS	ENSG00000105401	CDC37	4763	1	328	69	0.0005017	0.000857	-0.772411	0.0056429	0.0979699	0.4953271	0.2259197	397	13	11	10	5	14	5	11	13	12	18	26	11	9	25	15	6	8	9	18	10	8	24	16	10	13	5	3	29	20	20
ENSP00000290349	ENSG00000159228	CBR1	684	1	167	35	0.0002554	0.0004347	-0.767017	0.1115892	0.3896946	0.8146235	0.324509	202	6	3	5	2	10	10	4	0	3	0	0	0	5	11	9	8	3	7	12	1	7	18	17	11	10	1	4	16	9	10
ENSP00000346785	ENSG00000175203	DCTN2	2188	1	167	35	0.0002554	0.0004347	-0.767017	0.0049599	0.0920342	0.3986492	0.1309307	202	7	3	6	5	9	9	9	3	8	8	6	6	4	10	7	4	4	7	5	3	2	9	12	6	5	5	5	12	10	13
ENSP00000363284,ENS	ENSG00000148229	POLE3	2564	597	43	9	6.58E-05	0.0001118	-0.765098	0.029838	0.2241465	0.4692127	0.5773503	52	2	1	2	3	2	2	1	1	1	1	0	2	3	2	2	2	1	2	3	1	1	1	2	1	2	1	1	2	5	2
ENSP00000355471	ENSG00000162851	TFB2M	3552	1	43	9	6.58E-05	0.0001118	-0.765098	0.0822394	0.3491692	0.6097555	0	52	2	2	3	3	2	0	0	1	4	2	3	2	1	1	0	2	1	1	2	2	2	1	2	1	1	1	1	3	3	3
ENSP00000289094	ENSG00000114098	ARMC8	2195	1	43	9	6.58E-05	0.0001118	-0.765098	0.0888251	0.3610086	0.6802842	0.3333333	52	2	0	2	1	2	3	2	2	2	2	2	3	3	3	3	2	0	0	1	0	1	2	3	1	0	0	1	4	3	2
ENSP00000361621,ENS	ENSG00000065978	YBX1	5015	1	263	55	0.0004023	0.0006831	-0.763879	0.0006981	0.0290028	0.392055	0.1135454	318	13	6	12	6	13	7	12	6	14	8	9	11	11	15	12	9	4	8	9	5	7	18	15	10	14	6	3	16	20	19
ENSP00000334675,ENS	ENSG00000186871	ERCC6L	3904	1	67	14	0.0001025	0.0001739	-0.762704	0.0727162	0.3337702	0.6740485	0.1237179	81	2	0	3	3	6	3	1	2	3	2	3	4	3	4	3	3	3	2	0	0	0	5	6	3	1	1	1	5	5	4
ENSP00000376252,ENS	ENSG00000130779	CLIP1	1787	1	134	28	0.000205	0.0003478	-0.762704	0.0882779	0.3604911	0.7035202	0.1636634	162	7	6	4	5	2	4	6	5	3	5	2	5	10	18	8	9	6	3	4	4	3	3	6	2	2	0	2	8	11	9
ENSP00000376363_A22	ENSG00000128708	HAT1	4428	1	91	19	0.0001392	0.000236	-0.761571	0.0073751	0.1109327	0.4287665	0.4823764	110	4	4	3	3	4	1	2	2	3	5	4	4	2	5	4	3	0	4	5	3	1	6	4	3	6	3	3	9	3	7
ENSP00000330737	ENSG00000184752	NDUFA12	3560	810	24	5	3.67E-05	6.21E-05	-0.758404	0.2216753	0.5234848	0.8449511	0.9165151	29	2	1	1	1	0	1	0	0	1	0	1	0	1	1	0	1	2	1	2	0	1	2	2	2	0	0	1	0	2	3
ENSP00000355314,ENS	ENSG00000130779	CLIP1	3147	1	168	35	0.000257	0.0004347	-0.758404	0.0800001	0.3456218	0.6676206	0.1309307	203	9	9	5	7	2	4	7	8	6	5	2	6	12	20	12	11	6	4	6	5	4	3	8	2	2	1	2	10	13	12
ENSP00000250937,ENS	ENSG00000129932	DOHH	555	1	72	15	0.0001101	0.0001863	-0.758404	0.1218096	0.4045621	0.764287	0.5291503	87	4	4	2	3	6	3	1	3	2	4	6	2	4	3	1	1	1	3	2	0	0	5	8	3	0	1	0	6	7	2
ENSP00000351997	ENSG00000108984	MAP2K6	1412	1	24	5	3.67E-05	6.21E-05	-0.758404	0.4837724	0.7561338	1.5391525	0.9165151	29	0	2	3	2	2	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	3	2	5	1	0	0	2	0	3
ENSP00000357204,ENS	ENSG00000143320	CRABP2	5798	1	96	20	0.0001468	0.0002484	-0.758404	0.4438011	0.7297059	1.3829806	0.0866025	116	5	3	3	0	0	0	0	0	0	6	6	9	3	2	3	19	13	13	0	0	0	0	0	0	4	1	6	7	7	6
ENSP00000299218	ENSG00000111530	CAND1	3353	1	576	120	0.0008811	0.0014904	-0.758404	0.0001916	0.0117742	0.3720588	0.1520691	696	25	20	14	14	18	19	11	23	18	17	31	25	30	32	24	23	18	16	37	26	21	35	31	17	17	4	10	47	37	36
ENSP00000279230,ENS	ENSG00000149782	PLCB3	2479	1	144	30	0.0002203	0.0003726	-0.758404	0.1668861	0.4599847	0.870179	0.1732051	174	2	2	3	2	0	0	4	4	3	10	10	9	6	7	5	9	8	6	1	3	2	15	19	9	2	0	3	11	8	11
ENSP00000344942	ENSG00000175970	UNC119B	881	1	24	5	3.67E-05	6.21E-05	-0.758404	0.2166478	0.516353	0.9007209	0.6928203	29	0	0	1	2	2	2	0	0	2	2	1	1	1	1	1	0	0	1	1	0	0	2	1	1	2	0	0	3	1	1
ENSP00000301453	ENSG00000167770	OTUB1	511	116	96	20	0.0001468	0.0002484	-0.758404	0.0063922	0.104342	0.4570659	0.5678908	116	7	4	6	3	4	4	1	2	3	2	4	5	4	5	3	5	3	3	2	2	2	7	5	2	4	1	3	11	5	4
ENSP00000263245_S35	ENSG00000100262	ARFGAP3	2112	1	24	5	3.67E-05	6.21E-05	-0.758404	0.2478232	0.5496733	1.0030003	0.6928203	29	2	2	0	0	1	1	0	0	0	1	1	2	1	0	0	1	0	0	2	1	2	3	2	1	0	1	0	3	1	1
ENSP00000355013	ENSG00000198730	CTR9	1938	1	96	20	0.0001468	0.0002484	-0.758404	0.016618	0.1730449	0.4435536	0.1732051	116	6	4	2	6	2	3	2	2	1	3	4	3	3	4	4	5	2	6	6	7	4	3	3	2	4	2	3	8	6	6
ENSP00000361162,ENS	ENSG00000132773	TOE1	3588	1	24	5	3.67E-05	6.21E-05	-0.758404	0.308696	0.6140217	1.0957742	0.9165151	29	0	0	0	0	0	0	1	1	1	0	0	2	3	1	1	1	1	1	1	2	1	3	3	1	0	0	0	2	3	0
ENSP00000318821,ENS	ENSG00000179562	GCC1	1443	1	24	5	3.67E-05	6.21E-05	-0.758404	0.3398666	0.644379	1.0957742	0.3464102	29	1	1	1	4	0	0	1	1	1	1	0	0	2	1	0	3	0	1	0	1	1	0	1	2	0	0	1	2	1	2
ENSP00000276682,ENS	ENSG00000147677	EIF3H	4766	1	168	35	0.000257	0.0004347	-0.758404	0.0356846	0.2446793	0.5591047	0.356857	203	8	8	4	6	10	5	4	6	3	4	13	10	6	13	5	4	1	11	5	2	3	10	9	9	6	1	2	7	13	15
ENSP00000304903,ENS	ENSG00000169217	CD2BP2	5281	1	24	5	3.67E-05	6.21E-05	-0.758404	0.3384622	0.6432461	1.2217972	0.6928203	29	3	0	0	0	0	1	1	0	0	2	0	3	0	1	3	0	0	1	2	0	1	1	1	1	3	0	0	3	1	1
ENSP00000256678,ENS	ENSG00000134283	PPHLN1	3211	732	24	5	3.67E-05	6.21E-05	-0.758404	0.3740785	0.674522	1.2610092	0.6928203	29	2	0	0	0	0	1	1	0	3	0	1	1	4	1	2	3	0	0	1	1	2	0	0	0	1	0	0	3	1	1
ENSP00000326101,ENS	ENSG00000130723	BAT2L	5196	1	24	5	3.67E-05	6.21E-05	-0.758404	0.3866899	0.686056	1.0957742	0.3464102	29	1	0	1	1	1	2	1	1	3	0	0	2	1	1	1	3	0	0	0	0	0	0	0	0	1	3	1	2	1	2
ENSP00000259324,ENS	ENSG00000136802	LRRC8A	1897	1	24	5	3.67E-05	6.21E-05	-0.758404	0.4070449	0.7043261	1.2217972	0.3464102	29	0	2	0	5	1	0	1	2	1	1	1	0	0	0	0	1	0	0	1	0	1	2	1	2	0	1	1	1	2	2
ENSP00000223321	ENSG00000106588	PSMA2	5582	1196	72	15	0.0001101	0.0001863	-0.758404	0.0789907	0.3434064	0.6898997	0.5291503	87	4	2	3	2	4	2	1	2	3	3	2	1	1	2	6	3	2	3	1	1	3	5	3	3	9	0	1	8	3	4
ENSP00000351646,ENS	ENSG00000168439	STIP1	4817	1	773	161	0.0011824	0.0019996	-0.758031	0.0002608	0.0142761	0.3283981	0.0430323	934	30	37	24	15	23	25	22	36	36	25	37	36	25	59	32	32	19	29	31	21	22	39	35	23	29	16	15	55	51	55
ENSP00000301364,ENS	ENSG00000167721	TSR1	3697	1	197	41	0.0003013	0.0005092	-0.756938	0.0061074	0.1014733	0.4380757	0.1117701	238	13	9	4	2	6	5	9	8	8	5	14	9	6	10	7	4	1	4	11	10	8	10	9	4	10	5	6	15	14	12
ENSP00000314349_R43	ENSG00000070814	TCOF1	4453	1	125	26	0.0001912	0.0003229	-0.756094	0.082431	0.3497545	0.6258788	0.1762529	151	5	6	6	2	3	1	2	3	5	1	8	4	5	4	6	5	3	2	14	8	8	1	2	3	7	4	7	9	10	7
ENSP00000265990,ENS	ENSG00000095564	BTAF1	4280	1	53	11	8.11E-05	0.0001366	-0.752949	0.1246298	0.4093861	0.6990932	0.3149183	64	1	1	1	2	2	1	5	0	3	4	4	3	3	3	1	3	0	1	2	1	3	2	4	1	1	0	1	3	5	3
ENSP00000265729_E94	ENSG00000075142	SRI	651	1	106	22	0.0001621	0.0002732	-0.752949	0.0233185	0.201959	0.3991701	0.2838635	128	3	4	1	5	6	4	2	4	2	4	3	4	3	5	3	6	3	2	6	8	6	3	4	5	3	3	4	8	5	9
ENSP00000265259,ENS	ENSG00000114021	NIT2	1419	1	111	23	0.0001698	0.0002857	-0.750584	0.0146943	0.1630566	0.5283447	0.3282537	134	4	2	5	4	8	5	2	2	2	2	4	5	3	6	5	6	3	3	4	2	4	9	9	6	3	1	2	10	8	5
ENSP00000271359,ENS	ENSG00000143149	ALDH9A1	391	1	251	52	0.0003839	0.0006458	-0.750334	0.0029477	0.0666611	0.4629776	0.1854548	303	11	8	5	8	17	6	9	7	10	8	14	6	14	20	10	10	8	7	9	6	5	13	18	5	9	2	6	21	16	15
ENSP00000265857,ENS	ENSG00000105972	C7orf20	621	148	58	12	8.87E-05	0.000149	-0.74842	0.1133123	0.3921991	0.7269744	0.4330127	70	5	4	4	2	2	1	1	0	3	3	4	3	2	4	5	3	1	1	0	0	0	3	2	2	2	0	1	5	2	5
ENSP00000229214,ENS	ENSG00000111615	KRR1	4048	912	87	18	0.0001331	0.0002236	-0.74842	0.1785845	0.4733906	0.6226759	0.3333333	105	1	2	0	2	0	1	5	4	5	7	5	5	4	3	2	1	4	1	5	2	4	3	3	2	4	8	4	8	4	6
ENSP00000369411,ENS	ENSG00000133119	RFC3	2349	1	29	6	4.44E-05	7.45E-05	-0.74842	0.171515	0.464553	0.7269744	0.5	35	1	0	0	2	1	0	2	0	2	1	2	1	2	1	2	1	1	2	1	0	2	1	0	2	1	0	1	2	1	3
ENSP00000232125,ENS	ENSG00000114023	FAM162A	4746	1	58	12	8.87E-05	0.000149	-0.74842	0.1874683	0.4848766	0.8535387	0.4330127	70	2	0	0	2	3	5	3	0	5	3	2	2	1	1	3	0	0	1	2	1	3	6	6	4	2	0	1	5	2	5
ENSP00000356348,ENS	ENSG00000120265	PCMT1	5974	1	116	24	0.0001774	0.0002981	-0.74842	0.0056248	0.0979699	0.4416983	0.25	140	7	8	3	2	3	2	4	4	3	5	8	4	5	8	4	4	3	3	4	4	4	7	6	3	3	1	4	10	8	6
ENSP00000371409	ENSG00000214774		1223	1	87	18	0.0001331	0.0002236	-0.74842	0.1935032	0.4893332	0.8359984	0.4409586	105	7	0	4	0	0	7	3	0	3	6	0	4	1	4	8	1	0	3	3	3	4	7	0	6	7	1	5	7	3	8
ENSP00000265195,ENS	ENSG00000120725	SIL1	1833	437	29	6	4.44E-05	7.45E-05	-0.74842	0.2531051	0.5559775	0.997619	0.5	35	2	1	0	2	2	1	2	0	2	1	2	1	4	3	1	1	0	0	2	1	0	0	0	0	1	0	0	2	3	1
ENSP00000338397,ENS	ENSG00000164978	NUDT2	2941	1	29	6	4.44E-05	7.45E-05	-0.74842	0.2699557	0.574958	0.997619	0.5	35	1	1	0	0	3	2	0	1	2	3	1	3	1	1	3	0	0	0	1	0	1	2	2	1	0	0	0	3	1	2
ENSP00000291568	ENSG00000160213	CSTB	2442	1	29	6	4.44E-05	7.45E-05	-0.74842	0.2994509	0.6043018	1.1233696	0	35	0	0	0	1	3	3	0	1	0	0	1	1	1	2	2	1	1	0	1	0	0	3	4	3	1	0	0	2	2	2
ENSP00000366756_G72	ENSG00000180900	SCRIB	6314	1	179	37	0.0002738	0.0004595	-0.747076	0.000933	0.0353306	0.3402498	0.2040496	216	9	5	4	6	5	5	6	3	7	7	4	5	8	9	7	5	7	4	12	8	5	11	9	8	8	4	8	12	15	10
ENSP00000327821	ENSG00000184575	XPOT	4936	1073	92	19	0.0001407	0.000236	-0.745804	0.1521444	0.4409644	0.7382384	0.3973597	111	7	1	6	7	3	8	3	0	3	7	5	6	4	3	5	4	2	5	0	0	1	0	2	5	4	0	1	9	4	6
ENSP00000266481	ENSG00000087470	DNM1L	4350	1	194	40	0.0002967	0.0004968	-0.743453	0.0152915	0.1665447	0.5207991	0.0866025	234	16	11	10	5	7	5	6	3	4	11	11	7	5	8	7	6	9	6	16	5	5	11	6	5	7	1	1	14	12	14
ENSP00000263025,ENS	ENSG00000102882	MAPK3	4147	1	68	14	0.000104	0.0001739	-0.74133	0.1592593	0.4507847	0.6997043	0.5392739	82	3	2	4	4	2	1	4	1	6	2	1	4	3	2	7	2	1	2	0	1	1	3	2	6	2	1	1	5	2	7
ENSP00000254663,ENS	ENSG00000132330	SCLY	422	1	34	7	5.20E-05	8.69E-05	-0.74133	0.2547498	0.5582724	1.0468783	0.6546537	41	0	0	0	2	3	1	0	0	0	1	3	1	3	3	1	1	1	1	1	1	0	5	2	3	1	0	0	4	1	2
ENSP00000340944,ENS	ENSG00000179295	PTPN11	3508	1	107	22	0.0001637	0.0002732	-0.739403	0.0391486	0.2529513	0.5212935	0.5511071	129	6	3	4	2	3	4	4	1	4	8	6	6	6	5	5	6	6	4	5	0	1	6	4	4	2	0	2	12	5	5
ENSP00000345917,ENS	ENSG00000145220	LYAR	5891	1	229	47	0.0003503	0.0005837	-0.736823	0.0021206	0.0550267	0.416687	0.2241628	276	12	4	6	5	4	6	9	2	6	7	15	12	12	10	10	9	7	8	15	8	10	14	8	5	13	5	7	19	16	12
ENSP00000345456	ENSG00000140694	PARN	4961	1	78	16	0.0001193	0.0001987	-0.736036	0.0323504	0.2337195	0.4637521	0.6584784	94	2	2	2	2	2	2	1	2	2	4	3	5	2	4	3	3	5	2	7	3	3	4	4	3	2	1	3	9	2	5
ENSP00000345282	ENSG00000166123	GPT2	2598	608	39	8	5.97E-05	9.94E-05	-0.736036	0.0692041	0.3286045	0.617231	0.2165064	47	4	2	2	2	2	0	1	0	1	1	2	0	2	2	2	2	2	1	1	0	2	2	1	2	1	1	1	3	2	3
ENSP00000376233	ENSG00000198836	OPA1	3608	135	39	8	5.97E-05	9.94E-05	-0.736036	0.0941523	0.3684524	0.617231	0.572822	47	2	1	1	1	2	1	3	2	1	1	1	0	2	3	3	2	2	1	1	0	0	2	1	1	3	1	1	4	3	1
ENSP00000369127,ENS	ENSG00000086061	DNAJA1	5697	1	122	25	0.0001866	0.0003105	-0.734557	0.0034842	0.0753897	0.3437891	0.069282	147	7	5	7	6	4	2	5	2	6	5	5	5	2	3	5	6	5	5	4	4	5	7	4	4	4	1	4	9	8	8
ENSP00000261700	ENSG00000087302	C14orf166	2969	1	220	45	0.0003365	0.0005589	-0.731932	0.0009992	0.0359535	0.3891467	0.1333333	265	12	4	9	3	11	9	10	4	7	8	13	7	6	12	8	4	4	10	11	9	6	11	12	10	12	4	4	17	13	15
ENSP00000203630	ENSG00000089693	MLF2	3819	864	44	9	6.73E-05	0.0001118	-0.731932	0.2022414	0.4988891	0.836337	0.3333333	53	3	3	0	3	0	0	0	3	2	0	4	1	4	3	1	0	1	0	3	2	1	2	2	0	3	2	1	3	4	2
ENSP00000373808,ENS	ENSG00000198780	FAM169A	1308	307	49	10	7.50E-05	0.0001242	-0.728656	0.4767734	0.7538784	1.4420534	0.1732051	59	0	1	0	6	5	5	2	0	2	2	2	0	0	1	0	0	0	0	7	1	10	0	0	0	3	0	2	4	3	3
ENSP00000313540_R27	ENSG00000180921	FAM83H	3107	1	157	32	0.0002401	0.0003974	-0.726817	0.1170369	0.397702	0.6678232	0.1951562	189	2	2	2	2	6	2	7	5	9	2	5	2	4	14	3	13	11	11	13	8	3	6	3	6	9	3	4	10	13	9
ENSP00000217515	ENSG00000091164	TXNL1	3960	1	211	43	0.0003227	0.0005341	-0.726604	0.0193234	0.1872128	0.4447446	0.1065715	254	12	8	4	7	6	5	7	15	10	6	11	10	6	13	8	4	9	4	10	8	3	16	9	6	5	6	3	14	16	13
ENSP00000359991,ENS	ENSG00000220515		6080	1	349	71	0.0005338	0.0008818	-0.724102	0.0297558	0.2237867	0.5385319	0.2402637	420	22	7	20	6	10	13	13	2	17	13	14	22	15	12	20	11	6	18	13	2	6	22	23	22	16	1	3	30	19	22
ENSP00000261406,ENS	ENSG00000126749	EMG1	4148	931	59	12	9.02E-05	0.000149	-0.723758	0.1004294	0.3752708	0.672057	0.5	71	4	3	3	0	1	2	0	1	2	2	1	4	1	2	5	1	1	1	3	1	3	3	3	3	6	1	2	6	2	4
ENSP00000265748,ENS	ENSG00000011426	ANLN	4379	1	59	12	9.02E-05	0.000149	-0.723758	0.3339194	0.6375893	0.9243356	0.25	71	3	5	1	2	0	1	2	4	5	0	1	1	2	4	0	1	1	2	3	6	1	0	0	0	6	6	2	3	5	4
ENSP00000367623,ENS	ENSG00000187522	HSPA14	2783	1	118	24	0.0001805	0.0002981	-0.723758	0.0488625	0.2808837	0.5681419	0.3307189	142	9	3	5	6	3	2	3	2	8	6	2	4	9	8	6	4	3	3	8	2	3	5	3	6	4	0	1	6	7	11
ENSP00000286428,ENS	ENSG00000155959	VBP1	1114	1	123	25	0.0001881	0.0003105	-0.72278	0.0734258	0.3344967	0.6037225	0.3666061	148	7	3	8	6	5	3	4	1	5	5	6	10	8	4	7	6	2	9	3	0	3	8	2	3	4	0	1	11	5	9
ENSP00000203001,ENS	ENSG00000089195	TRMT6	1378	1	64	13	9.79E-05	0.0001615	-0.721878	0.1558019	0.4462346	0.6736615	0.4803845	77	7	2	5	2	2	3	2	6	3	0	0	2	2	2	2	3	3	2	2	1	2	2	1	1	4	1	2	2	5	6
ENSP00000298310_rs3:	ENSG00000165525	SDCCAG1	804	1	64	13	9.79E-05	0.0001615	-0.721878	0.202046	0.4988891	0.9298062	0.1332347	77	2	0	1	2	0	1	2	0	2	3	4	3	7	3	1	3	1	0	6	1	5	8	5	2	1	0	1	4	5	4
ENSP00000260373,ENS	ENSG00000137815	RTF1	1101	1	143	29	0.0002187	0.0003602	-0.719548	0.0623021	0.3138222	0.5826964	0.2603391	172	7	12	4	5	6	2	5	5	5	3	4	2	5	14	6	4	5	4	9	10	2	5	5	1	8	2	3	12	10	7
ENSP00000222005_P30	ENSG00000105401	CDC37	4764	1	296	60	0.0004528	0.0007452	-0.718875	0.0200804	0.1897845	0.546994	0.1802776	356	13	10	7	5	13	4	8	13	10	16	26	9	10	25	11	6	8	7	18	9	6	20	16	6	12	5	3	24	19	17
ENSP00000269886	ENSG00000141985	SH3GL1	1967	1	148	30	0.0002264	0.0003726	-0.718875	0.0222769	0.1981458	0.5267271	0.1	178	9	7	6	4	4	3	4	4	8	10	5	6	6	7	7	2	3	2	9	3	3	12	11	5	2	2	4	10	11	9
ENSP00000290858,ENS	ENSG00000067955	CBFB	1661	1	84	17	0.0001285	0.0002111	-0.716584	0.1210541	0.4032866	0.6449143	0.2695633	101	3	4	2	4	4	3	3	6	2	2	2	0	2	10	1	2	1	2	4	2	3	5	4	1	5	5	2	6	7	4
ENSP00000240304,ENS	ENSG00000108848		3520	1	84	17	0.0001285	0.0002111	-0.716584	0.0766184	0.3384688	0.5069184	0.4441079	101	5	1	6	4	0	3	2	1	4	3	3	4	1	2	3	3	2	5	4	4	5	4	1	2	5	2	5	6	3	8
ENSP00000375503	ENSG00000180764	PIPSL	3131	1	99	20	0.0001514	0.0002484	-0.71401	0.1202084	0.4025281	0.7526178	0.4582576	119	4	3	3	0	0	4	3	0	6	4	5	4	2	3	5	1	2	4	7	2	3	9	7	2	12	3	1	10	4	6
ENSP00000304668	ENSG00000170445	HARS	3919	1	406	82	0.000621	0.0010184	-0.713654	1.66E-05	0.0023001	0.30222	0.2745934	488	21	15	10	14	26	17	10	12	9	15	19	16	19	18	13	15	11	11	19	15	9	19	23	14	17	8	11	35	27	20
ENSP00000211475,ENS	ENSG00000206394		4182	1	352	71	0.0005384	0.0008818	-0.711754	0.0059735	0.1009114	0.4005403	0.4897278	423	17	6	16	8	17	17	9	6	13	12	12	17	9	14	13	13	8	23	15	8	14	22	13	15	24	4	7	36	13	22
ENSP00000317379,ENS	ENSG00000115419	GLS	4057	19	119	24	0.000182	0.0002981	-0.711583	0.1408994	0.4251234	0.7584327	0.125	143	9	3	4	2	1	3	3	2	11	1	0	2	5	5	4	0	1	2	8	5	7	9	6	6	13	3	4	8	9	7
ENSP00000260604,ENS	ENSG00000138035	PNPT1	4104	1	164	33	0.0002509	0.0004099	-0.70828	0.0349215	0.2422193	0.467724	0.2727273	197	10	7	8	5	3	3	7	9	7	5	2	2	5	7	7	5	6	7	11	3	11	8	2	6	11	2	5	14	8	11
ENSP00000269143	ENSG00000141385	AFG3L2	5508	1	214	43	0.0003273	0.0005341	-0.706236	0.0956303	0.3692851	0.609041	0.4900304	257	9	2	5	2	3	8	5	3	11	8	4	11	8	3	8	12	6	10	22	5	17	9	7	12	13	1	10	21	7	15
ENSP00000262445,ENS	ENSG00000065559	MAP2K4	4335	1	15	3	2.29E-05	3.73E-05	-0.69951	0.5244662	0.7791626	1.4411534	1.7320508	18	0	0	2	0	0	2	0	0	1	2	0	2	0	0	1	0	0	0	0	0	0	1	1	2	1	0	0	3	0	0
ENSP00000382145,ENS	ENSG00000085365	SCAMP1	4529	985	10	2	1.53E-05	2.48E-05	-0.69951	0.5191178	0.7754872	1.5251734	1.7320508	12	1	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	1	0	0	1	1	1	1	0	0	2	0	0
ENSP00000262460,ENS	ENSG00000101003	GINS1	2158	524	30	6	4.59E-05	7.45E-05	-0.69951	0.2627311	0.5670876	0.8403296	1	36	3	1	2	1	2	0	1	2	1	1	0	0	3	3	1	1	0	0	0	1	1	1	2	1	0	1	1	0	4	2
ENSP00000299638,ENS	ENSG00000137878	GRINL1B,GF	5089	1	10	2	1.53E-05	2.48E-05	-0.69951	0.4878177	0.7589959	1.3286778	1.7320508	12	1	0	0	0	1	0	0	1	0	0	0	1	1	0	1	1	0	0	1	0	0	1	0	1	0	0	0	0	0	2
rev_ENSP00000216181	rev	rev	883	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5144069	0.7741345	1.3286778	1.7320508	12	0	0	1	1	0	1	1	0	1	0	0	0	0	0	1	1	0	1	0	1	0	1	0	0	0	0	0	0	0	2
ENSP00000305839_rs6!	ENSG00000169258	GPRIN1	924	219	10	2	1.53E-05	2.48E-05	-0.69951	0.6035406	0.8310486	1.6990948	1.7320508	12	0	0	1	0	0	1	0	0	2	0	1	2	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	2

rev_ENSP00000264827	rev	rev	1247	1	10	2	1.53E-05	2.48E-05	-0.69951	0.6039988	0.8310829	1.6990948	1.7320508	12	0	1	1	1	0	1	0	1	2	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	2
ENSP00000301788	ENSG00000168002	POLR2G	363	1	40	8	6.12E-05	9.94E-05	-0.69951	0.1287432	0.413794	0.7096857	0.2165064	48	4	1	2	0	1	1	1	0	3	0	1	1	2	2	3	1	0	2	2	0	2	3	1	2	2	1	2	3	3	2
ENSP00000367727_rs7	ENSG00000157881	PANK4	4014	907	50	10	7.65E-05	0.0001242	-0.69951	0.1367822	0.4214561	0.773941	0.1732051	60	3	2	1	1	3	1	1	2	2	2	2	2	5	6	3	2	1	1	1	2	0	3	3	1	0	0	0	4	3	3
ENSP00000355586,ENS	ENSG00000135778	C1orf57	557	129	40	8	6.12E-05	9.94E-05	-0.69951	0.1912951	0.4885001	0.8024002	0.4330127	48	2	0	2	3	6	2	1	1	0	1	1	0	1	1	1	2	1	2	2	0	1	2	2	2	2	1	1	4	2	2
ENSP00000382241_rs1	ENSG00000060749	QSER1	5245	1133	10	2	1.53E-05	2.48E-05	-0.69951	0.5723285	0.808234	1.8567962	1.7320508	12	0	1	1	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	0	1	3	0	0	0	0	0	2	0	0
ENSP00000233027,ENS	ENSG00000114904	NEK4	4921	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5880624	0.8204907	1.8567962	0.8660254	12	0	1	0	0	0	0	0	0	1	1	1	0	0	1	1	3	0	0	0	1	0	0	0	0	0	0	0	0	1	1
ENSP00000313950,ENS	ENSG00000178999	AURKB	5149	1115	10	2	1.53E-05	2.48E-05	-0.69951	0.5889451	0.8206674	1.5251734	0.8660254	12	1	0	1	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	2	1	0	1	1
ENSP00000345195	ENSG00000188021	UBQLN2	5779	1	75	15	0.0001147	0.0001863	-0.69951	0.0993702	0.3734613	0.5677486	0.7211103	90	1	0	4	2	2	2	2	2	4	5	1	4	4	1	6	3	2	3	3	2	1	5	5	5	3	1	2	8	1	6
ENSP00000356476,ENS	ENSG00000121486	C1orf25	4686	1016	40	8	6.12E-05	9.94E-05	-0.69951	0.1378837	0.422012	0.7096857	0.2165064	48	1	1	0	1	0	2	1	0	2	1	4	2	2	4	3	1	1	2	2	1	1	1	1	2	2	0	2	2	3	3
ENSP00000209827,ENS	ENSG00000094880	CDC23	2080	1	40	8	6.12E-05	9.94E-05	-0.69951	0.1394307	0.4238875	0.7339632	0.4330127	48	5	1	3	2	0	0	2	1	1	1	2	2	2	3	2	2	1	0	2	1	0	1	1	1	2	1	1	2	4	2
ENSP00000287878,ENS	ENSG00000106617	PRKAG2	5283	1	25	5	3.82E-05	6.21E-05	-0.69951	0.1405659	0.4249953	0.6648077	0.3464102	30	1	1	1	2	2	2	1	0	1	2	1	1	1	1	1	1	0	1	1	0	1	1	1	1	0	0	0	2	2	1
ENSP00000339076,ENS	ENSG00000150776	C11orf57	6173	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5565396	0.7973476	1.6990948	0.8660254	12	0	2	1	0	0	1	0	0	1	1	0	0	0	0	0	1	0	0	2	0	0	0	0	0	1	0	0	0	1	1
ENSP00000322242	ENSG00000022840	RNF10	5752	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5752315	0.8107515	1.6990948	0.8660254	12	0	1	1	0	0	0	0	0	1	1	0	2	0	0	1	0	0	0	0	0	1	0	0	2	0	0	0	1	0	1
ENSP00000364176,ENS	ENSG00000182534	MXRA7	2543	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5892465	0.8209068	1.8567962	1.7320508	12	3	1	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	0	2	0	0
rev_ENSP00000356155	rev	rev	1700	1	10	2	1.53E-05	2.48E-05	-0.69951	0.6019682	0.8304856	1.8567962	1.7320508	12	0	0	0	1	0	0	0	0	0	0	1	3	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0	2	0	0
ENSP00000291281,ENS	ENSG00000105287	PRKD2	1742	1	10	2	1.53E-05	2.48E-05	-0.69951	0.6101847	0.8341584	1.8567962	1.7320508	12	0	0	0	1	0	0	0	0	0	0	2	1	2	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	2	0
ENSP00000285420,ENS	ENSG00000155100	OTUD6B	3012	1	50	10	7.65E-05	0.0001242	-0.69951	0.1962329	0.4921312	0.7136256	0.1732051	60	1	1	2	2	1	3	4	4	1	3	5	2	2	3	3	3	3	0	1	1	0	1	1	1	1	1	0	3	3	4
ENSP00000361465,ENS	ENSG00000171453	POLR1C	655	1	40	8	6.12E-05	9.94E-05	-0.69951	0.2014766	0.4987523	0.7339632	0.572822	48	2	1	0	1	0	1	3	3	1	3	1	0	1	2	3	1	1	2	1	2	1	3	3	3	1	0	0	3	4	1
ENSP00000216455	ENSG00000100567	PSMA3	2972	1	55	11	8.41E-05	0.0001366	-0.69951	0.1803831	0.4771873	0.7878286	0.5677271	66	2	2	0	0	1	3	2	0	2	3	1	3	4	2	3	5	3	0	3	0	2	6	3	2	3	0	0	3	6	2
ENSP00000373227,ENS	ENSG00000114904	NEK4	4922	1	10	2	1.53E-05	2.48E-05	-0.69951	0.6217602	0.8398018	2.0021143	0.8660254	12	0	1	0	0	0	0	0	0	1	1	1	0	0	1	0	3	0	0	0	2	0	0	0	0	0	0	0	0	1	1
ENSP00000258796,ENS	ENSG00000136295	TTYH3	620	147	10	2	1.53E-05	2.48E-05	-0.69951	0.6322095	0.8446935	2.0021143	1.7320508	12	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	3	0	1	0	0	2
ENSP00000075430,ENS	ENSG00000060069	CTDP1	5344	1156	30	6	4.59E-05	7.45E-05	-0.69951	0.2473108	0.5494972	0.9450275	0.5	36	1	0	1	2	1	0	1	2	1	1	1	1	2	4	0	1	0	0	1	1	1	2	3	0	3	0	0	2	3	1
ENSP00000343742,ENS	ENSG00000162819	C1orf58	2983	1	10	2	1.53E-05	2.48E-05	-0.69951	0.6356763	0.8466584	2.0021143	0.8660254	12	0	0	0	0	1	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	1	1
ENSP00000265560,ENS	ENSG00000114316	USP4	1930	1	30	6	4.59E-05	7.45E-05	-0.69951	0.2331669	0.5366836	0.8024002	0.5	36	2	0	2	2	1	0	3	2	2	2	1	0	2	2	1	1	0	1	1	0	1	1	2	0	0	0	1	3	2	1
ENSP00000341939,ENS	ENSG00000166783	KIAA0430	1814	1	20	4	3.06E-05	4.97E-05	-0.69951	0.2667717	0.571917	0.8854595	0.4330127	24	1	0	1	2	2	0	0	0	0	1	1	1	1	1	1	1	2	1	1	0	0	1	0	1	1	0	0	2	1	1
ENSP00000355922_rs3	ENSG00000117724	CENPF	2353	1	75	15	0.0001147	0.0001863	-0.69951	0.2475573	0.5495368	0.7493998	0.2	90	5	4	2	6	1	3	2	5	5	1	1	0	4	7	1	2	1	3	2	4	1	0	2	0	2	4	7	4	5	6
ENSP00000247026,ENS	ENSG00000126653	CCDC55	406	1	30	6	4.59E-05	7.45E-05	-0.69951	0.2566777	0.5602353	0.8766194	0.5	36	2	0	0	3	1	0	1	0	1	2	2	2	2	2	3	2	1	0	1	1	0	0	0	1	2	0	1	1	2	3
ENSP00000223023	ENSG00000106299	WASL	997	235	30	6	4.59E-05	7.45E-05	-0.69951	0.2585289	0.5619883	0.8766194	0	36	1	2	2	0	0	1	2	3	0	1	1	0	1	3	1	2	1	1	2	2	0	2	2	0	0	0	0	2	2	2
ENSP00000316842,ENS	ENSG00000177045	SIX5	599	1	30	6	4.59E-05	7.45E-05	-0.69951	0.6361002	0.8468766	1.8567962	0.5	36	0	0	1	0	0	0	0	0	1	0	0	2	1	3	2	1	10	1	0	4	1	0	0	2	0	1	0	3	2	1
ENSP00000342214,ENS	ENSG00000165678	GHITM	2499	578	30	6	4.59E-05	7.45E-05	-0.69951	0.2843726	0.5894713	0.9774378	0	36	3	3	2	0	0	1	0	1	0	0	2	1	1	2	1	1	0	0	4	1	2	1	1	0	0	1	2	2	2	2
rev_ENSP00000303585	rev	rev	3823	1	15	3	2.29E-05	3.73E-05	-0.69951	0.3865172	0.6859365	1.0392305	1	18	1	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	2	0	0	1	0	1	1	0	0	0	1	1	2	0
ENSP00000281038,ENS	ENSG00000137513	NARS2	393	1	15	3	2.29E-05	3.73E-05	-0.69951	0.3636945	0.6666879	1.0392305	1	18	0	0	1	1	0	1	0	0	0	0	0	1	1	2	1	1	1	1	0	1	1	0	0	0	1	0	1	2	0	1
ENSP00000263202_rs1	ENSG00000070010	UFD1L	3187	1	20	4	3.06E-05	4.97E-05	-0.69951	0.3954072	0.6943346	1.1596584	1.1456439	24	1	0	1	0	0	1	0	0	0	3	1	1	2	0	0	0	0	1	1	0	1	3	1	0	1	1	1	3	0	1
ENSP00000224140,ENS	ENSG00000107290	SETX	5756	1	30	6	4.59E-05	7.45E-05	-0.69951	0.3671613	0.6690882	1.0088074	1	36	2	0	0	2	0	2	1	1	1	2	0	1	1	3	0	4	0	3	0	0	1	0	1	0	2	2	1	2	0	4
ENSP00000276530,ENS	ENSG00000147533	GOLGA7	4444	971	15	3	2.29E-05	3.73E-05	-0.69951	0.4085845	0.7054214	1.1529227	1	18	1	0	1	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	1	0	2	2	1	1	0	0	1	1	0	2
ENSP00000227524	ENSG00000110107	PRPF19	6430	1371	140	28	0.0002141	0.0003478	-0.69951	0.0504543	0.2839578	0.4725137	0.3762733	168	5	2	7	4	3	3	2	3	6	5	3	4	4	6	8	5	4	7	3	5	7	6	5	6	14	5	8	13	6	9
ENSP00000221494,ENS	ENSG00000104897	SF3A2	3460	1	35	7	5.35E-05	8.69E-05	-0.69951	0.3617314	0.6651171	1.0441133	0.4948717	42	2	0	2	0	0	1	2	0	2	1	0	1	3	0	1	2	0	3	0	0	5	4	0	2	1	2	1	3	1	3
ENSP00000259400	ENSG00000136874	STX17	5182	968	20	4	3.06E-05	4.97E-05	-0.69951	0.4150387	0.7109803	1.1596584	0.8660254	24	1	0	0	0	1	1	3	0	2	0	2	0	2	1	1	0	1	2	1	0	0	0	0	1	1	0	0	2	0	2
ENSP00000053468	ENSG00000048544	MRPS10	577	1	35	7	5.35E-05	8.69E-05	-0.69951	0.3910157	0.6904412	1.2068096	0.8921426	42	1	0	3	0	0	3	1	0	2	2	0	1	0	0	2	0	0	2	3	0	2	2	1	2	7	0	1	4	0	3
ENSP00000293970,ENS	ENSG00000162065	TBC1D24	1977	474	40	8	6.12E-05	9.94E-05	-0.69951	0.379674	0.6786755	1.1894973	0.572822	48	1	2	1	2	0	0	0	0	0	1	3	4	7	3	1	4	0	0	2	0	0	2	4	0	0	2	1	4	1	3
rev_ENSP00000354957	rev	rev	1572	1	20	4	3.06E-05	4.97E-05	-0.69951	0.4217812	0.7167681	1.2748303	0.4330127	24	0	0	0	1	0	0	1	2	0	1	0	1	4	1	2	0	0	1	1	0	0	2	1	0	1	0	1	2	1	1
ENSP00000243706	ENSG00000214367	C4orf15	6200	1319	20	4	3.06E-05	4.97E-05	-0.69951	0.4464776	0.7321445	1.2186058	1.1456439	24	0	1	0	0	1	0	0	3	0	1	1	0	2	3	0	0	0	1	2	1	0	1	1	1	0	1	0	1	3	0
ENSP00000238823,ENS	ENSG00000119812	FAM98A	2343	1	75	15	0.0001147	0.0001863	-0.69951	0.0518109	0.2869916	0.5764614	0.3464102	90	6	3	4	4	1	2	3	3	4	3	2	2	3	3	3	2	0	2	1	1	1	5	5	4	6	1	1	7	4	4
ENSP00000334451_E17	ENSG00000184470	TXNRD2	6109	1093	20	4	3.06E-05	4.97E-05	-0.69951	0.4131307	0.7090379	1.2748303	0.4330127	24	0	2	0	1	0	2	0	0	1	0	0	0	0	1	0	3	1	1	3	0	1	1	1	0	2	0	0	1	2	1
ENSP00000248633,ENS	ENSG00000127980	PEX1	5306	1	15	3	2.29E-05	3.73E-05	-0.69951	0.4476317	0.7328871	1.1529227	1	18	0	1	1	1	1	1	2	1	1	0	1	0	0	1	1	0	1	0	0	2	0	0	0	0	0	0	0	0	2	1
ENSP00000219837_P13	ENSG00000103550	C16orf88	4914	409	25	5	3.82E-05	6.21E-05	-0.69951	0.3884593	0.6884449	1.1572381	0.6928203	30	0	2	2	0	0	0	0	1	2	0	1	3	2	0	1	0	0	2	0	0	0	2	2	0	3	0	2	3	1	1
ENSP00000011473,ENS	ENSG00000008282	SYPL1	1266	296	10	2	1.53E-05	2.48E-05	-0.69951	0.4726668	0.7526762	1.3286778	0.8660254	12	0	0	1	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	1	1	1	0	0	0	1	0	1	1	1	0
ENSP00000276530_I12	ENSG00000147533	GOLGA7	4445	971	15	3	2.29E-05	3.73E-05	-0.69951	0.4835313	0.7561199	1.3519217	1	18	1	0	1	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	1	0	3	2	1	0	0	0	1	1	0	2
ENSP00000267199,ENS	ENSG00000139719	VPS33A	618	146	15	3	2.29E-05	3.73E-05	-0.69951	0.4586679	0.7416711	1.2563684	1	18	0	1	1	2	0	1	2	0	0	0	0	0	1	1	0	2	0	1	0	0	0	1	0	1	0	0	1	2	0	1
ENSP00000363322	ENSG00000176386	CDC26	6504	1384	10	2	1.53E-05	2.48E-05	-0.69951	0.4874384	0.7589959	1.3286778	0.8660254	12	1	0	1	0	0	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	1	0	0	0	0	1	0	1	0	1
ENSP00000352709	ENSG00000197756	RPL37A	632	151	10	2	1.53E-05	2.48E-05	-0.69951	0.5037653	0.7712639	1.5251734	0.8660254	12	1	1	1	0	0	0	0	0	0	0	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0
ENSP00000345752,ENS	ENSG00000087053	MTMR2	2643	1	15	3	2.29E-05	3.73E-05	-0.69951	0.4571806	0.7406266	1.4411534	0	18	3	2	0	1	1	0	0	0	1	0	0	1	1	1	0	2	1	0	0	0	0	0	1	0	0	0	0	1	1	1
ENSP00000235958,ENS	ENSG00000117305	HMGCL	6454	553	15	3	2.29E-05	3.73E-05	-0.69951	0.4746138	0.7530397	1.4411534	1	18	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	2	1	0	2	3	1	1	1	0	0	2	1	0
ENSP00000278359,ENS	ENSG00000149089	APIP	3729	847	25	5	3.82E-05	6.21E-05	-0.69951	0.4140513	0.7099091	1.3370921	0.3464102	30	0	0	0	0	0	0	0	1	0	3	2	0	2	1	2	0	1	2	0	0	0	4	3	1	3	0	0	2	1	2
rev_ENSP00000252692	rev	rev	5809	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5158547	0.7741345	1.5251734	0.8660254	12	1	2	0	0	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0	1	1	0	1	0	0	0	0	1	1	0
ENSP00000282841,ENS	ENSG00000152904	GGPS1	6026	1038	15	3	2.29E-05	3.73E-05	-0.69951	0.4855999	0.7571731	1.3519217	1	18	2	2	0	1	1	0	0	0	1	0	0	0	0	0	1	1	2	2	0	0	0	1	0	0	1	0	0	1	0	2
ENSP00000261439,ENS	ENSG00000065882	TBC1D1	2328	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5085623	0.77227	1.5251734	0.8660254	12	0	0	0	1	1	0	1	0	0	0	2	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1
ENSP00000267974,ENS	ENSG00000140396	NCOA2	3824	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5375155	0.784321	1.5251734	0.8660254	12	1	0	0	0	0	0	0	2	0	0	1	1	1	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	1	1
ENSP00000351575	ENSG00000145734	BDP1	985	1	15	3	2.29E-05	3.73E-05	-0.69951	0.4923032	0.7618375	1.3519217	1	18	0	0	1	0	0	0	0	2	0	0	2	0	0	1	0	1	1	1	0	0	0	1	0	1	2	0	2	2	1	0
rev_ENSP00000263904	rev	rev	4754	1033	10	2	1.53E-05	2.48E-05	-0.69951	0.5236004	0.7791626	1.5251734	0.8660254	12	0	0	0	0	0	1	0	0	0	1	2	1	0	1	0	1	0	0	0	1	1	0	0	0	0	0	1	0	1	1
ENSP00000286070	ENSG00000155636	RBM45	6174	1314	15	3	2.29E-05	3.73E-05	-0.69951	0.5220003	0.7779835	1.6048005	1	18	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	2	4	1	1	1	0	1	0	0	1	0	1	2
ENSP00000307235,ENS	ENSG00000172071	EIF2AK3	6326	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5346066	0.7824762	1.5251734	0.8660254	12	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	1	0	0	1	0	1	1	1	1	1	0
ENSP00000016946,ENS	ENSG00000183054	RGPD6	1304	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5188183	0.7754872	1.3286778	0.8660254	12	0	1	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	1	1	1	0	1
ENSP00000366966,ENS	ENSG00000171680	PLEKHG5	5132	617	10	2	1.53E-05	2.48E-05	-0.69951	0.5573496	0.7976309	1.6990948	0.8660254	12	1	0	0	0	0	0	0	0	0	0	1	2	1	0	1	0	0	0	1	2	0	0	1	0	0	0	0	1	1	0
rev_ENSP00000327880	rev	rev	2092	1	10	2	1.53E-05	2.48E-05	-0.69951	0.5259775	0.7796593	1.3286778	0.8660254	12	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	1	0	1	1
ENSP00000274695,ENS	ENSG00000145996	CDKAL1	891	1	15	3	2.29E-05	3.73E-05	-0.69951	0.5102397	0.7725803	1.4411534	1	18	0	1	2	0	0	2	2	0	0	0	2	2	1	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	2	1
ENSP00000325017	ENSG00000010292	NCAPD2	1075	1	161	32	0.0002463	0.0003974	-0.690521	0.0888526	0.3610086	0.6090807	0.1082532	193	14	6	7	4	7	2	11	6	8	4	5	3	5	15	8	6	4	4	4	2	2	4	5	1	13	7	4	10	12	10
ENSP00000355325,ENS	ENSG00000100804	PSMB5	4124	1	101	20	0.0001545	0.0002484	-0.685155	0.1537779	0.4428439	0.736195	0.6062178	121	8	1	6	1	1	2	3	0	3	6	3	6	5	4	9	2	1	3	3	0	4	11	3	5	6	1	4	9	2	9
ENSP00000216297,ENS	ENSG00000092201	SUPT16HP,S	5653	1	480	95	0.0007342	0.0011799	-0.684403	0.0012876	0.0425681	0.3458111	0.1589439	575	26	17	13	16	24	11	16	17	16	19	20	22	20	25	26	11	10	13	34	18	15	14	13	11	28	14	11	37	31	27
ENSP00000254803,ENS	ENSG00000132467	UTP3	537	1	91	18	0.0001392	0.0002236	-0.683569	0.2189454	0.5191852	0.8276175	0.8819171	109	5	0	5	1	0	1	2	1	7	3	4	6	3	3	6	2	1	3	8	0	3	7	1	2	11	1	5	12	2	4
ENSP00000325548_G13	ENSG00000133313	CNDP2	301	1	248	49	0.0003793	0.0006086	-0.681952	0.0235223	0.2023385	0.4249263	0.2760765	297	13	8	9	10	13	18	6	9	10	9	9	12	11	7	10	7	5	11	8	5	6	14	13	16	5	2	2	16	12	21
ENSP00000314193,ENS	ENSG00000115368	WDR75	2792	648	81	16	0.0001239	0.0001987	-0.681588	0.1016489	0.3772304	0.6602253	0.286411	97	7	0	2	0	1	1	4	1	4	3	6	4	3	3	5	3	0	3	6	2	5	5	3	2	4	0	4	7	5	4
ENSP00000228740_rs4	ENSG00000111144	LTA4H	2962	1	228	45	0.0003488	0.0005589	-0.680401	0.0218786	0.1977166	0.5006255	0.4163332	273	10	6	7	8	3	8	8	2	6	12	17	15	11	8	9	8	2	5	13	4	9	14	14	8	14	2	5	22	10	13
ENSP00000308179,ENS	ENSG00000065183	WDR3	5817	1	142	28	0.0002172	0.0003478	-0.679046	0.0583909	0.3049719	0.5470096	0.4831339	170	6	2	3	1	2	3	6	5	9	4	8	10	4	5	5	4	3	7	12	5	7	9	5	4	9	0	4	14	5	9
ENSP00000271638	ENSG00000163191	S100A11P,S	4121	1	127	25	0.0001943	0.0003105	-0.67661	0.1165202	0.3971198	0.6036702	0.4849742	152	3	2	4	1	10	10	2	2	4	6	1	7	1	4	4	3	4	9	5	3	8	7	5	6	10	2	4	13	6	6
ENSP00000361092	ENSG00000148296	SURF6	340	1	61	12	9.33E-05	0.000149	-0.675663	0.3272961	0.6317958	0.8289139	0.25	73	3	1	0	1	3	2	1	1	2	0	3	2	3	6	1	0	2	2	2	8	3	1	2	1	2	6	3	3	5	4
ENSP00000368912,ENS	ENSG00000173674	EIF1AX	389	1	122	24	0.0001866	0.0002981	-0.675663	0.0541056	0.2919551	0.4356321	0.25	146	3	6	4	2	7	4	1	8	4	3	6	4	6	6	3	5	6	4	7	8	3	3	7	1	4	4	3	8	10	6
ENSP00000367877,ENS	ENSG00000086475	SEPHS1	1648	1	56	11	8.57E-05	0.0001366	-0.673515	0.2872149	0.5915973	0.8862669	0.4165978	67	2	5	4	1	2	1	0	0	1	2	3	1	1	8	4	2	1	0	1	2	3	1	4	1	2	4	0	4	5	2
ENSP00000297440_S30	ENSG00000164818	HEATR2	5123	302	107	21	0.0001637	0.0002608	-0.672289	0.0904167	0.3630603	0.6160377	0.3779645	128	6	3	5	3	3	3	3	0	2	6	5	7	4	2	6	3	5	7	5	3	2	12	2	3	4	0	3	8	4	9
ENSP00000340689	ENSG00000115419	GLS	4056	19	153	30	0.000234	0.0003726	-0.670941	0.1364007	0.4206941	0.6799537	0.2	183	11	6	5	2	1	3	5	6	11	2	0	2	5	10	5	0	1	2	8	9	8	12	7	8	14	5	5	10	12	8
ENSP00000309474,ENS	ENSG00000173692	PSMD1	614	1	434	85	0.0006638	0.0010557	-0.669278	0.0088699	0.1228681	0.4610297	0.3202508	519	27	13	19	8	13	11	19	14	17	19	15	16	14	25	18	9	10	15	12	8	12	35	33	12	25	9	6	38	27	20
ENSP00000368219	ENSG00000165609	NUDT5	3358	1	240	47	0.0003671	0.0005837	-0.669136	0.0038125	0.0795854	0.4155048	0.1950032	287	11	8	11	5	8	7	8	3	10	9	16	11	13	12	9	10	10	8	11	4	8	16	12	8	9	0	3	19	15	13
ENSP00000238714	ENSG00000115421	PAPOLG	2266	1	46	9	7.04E-05	0.0001118	-0.667801	0.0981898	0.3721333	0.5595614	0	55	3	2	1	3	3	2	2	0	2	4	2	0	2	2	1	2	2	1	2	1	1	1	2	0	2	1	2	3	3	3
ENSP00000215832,ENS	ENSG00000100030	MAPK1	3955	1	92	18	0.0001407	0.0002236	-0.667801	0.1277166	0.4132231	0.5995718	0.5	110	4	3	5	4	3	1	7	2	7	2	1	6	4	3	6	3	0	4	2	1	1	5	3	6	6	1	2	9	3	6
ENSP00000349321_G41	ENSG00000105576	TNPO2	4092	1	92	18	0.0001407	0.0002236	-0.667801	0.0382774	0.2517811	0.5291334	0.2886751	110	7	4	4	3	4	3	3	3	2	5	6	5	7	4	3	2	1	1	2	2	1	6	3	4	4	0	3	8	5	5
ENSP00000295822	ENSG00000163577	EIF5A2	25	1	179	35	0.0002738	0.0004347	-0.666905	0.022341	0.1981458	0.3905424	0.1979487	214	5	3	4	8	5	7	8	6	8	8	9	8	8	7	11	5	1	5	6	4	8	7	10	13	7	4	4	13	13	9
ENSP00000369893,ENS	ENSG00000205527	HSP90AB4P	213	1	522	102	0.0007985	0.0012668	-0.665958	0.0077986	0.1131229	0.3795514	0.4241825	624	19	20	13	15	19	11	19	26	18	31	24	23	24	43	16	20	16	14	20	16	10	26	25	13	22	11	8	50	30	22
ENSP00000227520_rs2	ENSG00000110104	CCDC86	5470	1	41	8	6.27E-05	9.94E-05	-0.663886	0.1965926	0.4925426	0.7160616	0.4330127	49	3	0	1	0	1	1	1	1	2	4	1	3	3	0	2	1	2	1	3	1	0	2	1	3	1	1	2	4	2	2
ENSP00000336547,ENS	ENSG00000215697		3391	407	41	8	6.27E-05	9.94E-05	-0.663886	0.1861254	0.4837663	0.7389882	0.2165064	49	2	0	2	1	3	3	1	2	2	2	0	2	1	1	3	1	0	2	1	0	2	4	1	3	2	0	0	3	2	3
ENSP00000283977	ENSG00000013375	PGM3	3626	1	82	16	0.0001254	0.0001987	-0.663886	0.1949652	0.4910317	0.8293855	0.2165064	98	10	3	5	2	0	3	1	0	4	3	3	5	6	4	8	1	1	3	3	0	2	7	3	2	1	0	2	6	4	6
ENSP00000320821,ENS	ENSG00000129250	KIF1C	4930	1	41	8	6.27E-05	9.94E-05	-0.663886	0.2569374	0.5604264	0.803854	0.572822	49	1	4	0	3	1	1	2	1	1	1	1	3	4	3	0	3	0	0	1	1	1	2	3	1	1	0	2	1	3	4
ENSP00000310117	ENSG00000173457	PPP1R14B	4525	1	41	8	6.27E-05	9.94E-05	-0.663886	0.2560565	0.5596296	0.88296	0.2165064	49	1	2	3	1	0	2	1	2	1	2	4	3	1	1	4	0	0	1	0	1	0	5	2	2	1	1	0	3	2	3
ENSP00000298717	ENSG00000165819	METTL3	5705	1	41	8	6.27E-05	9.94E-05	-0.663886	0.3038008	0.6089371	0.9728385	0.2165064	49	1	0	0	3	1	1	0	0	1	5	2	3	2	1	2	4	0	2	4	0	1	4	1	0	2	0	1	3	2	3
ENSP00000261182,ENS	ENSG00000187109	NAP1L1	848	1	277	54	0.0004237	0.0006707	-0.662584	0.0103645	0.1334072	0.4122971	0.1924501	331	17	8	17	6	10	8	12	8	17	12	8	13	7	20	10	6	7	9	10	4	10	15	12	8	13	3	7	20	14	20
ENSP00000367394,ENS	ENSG00000076928	ARHGEF1	4881	1	118	23	0.0001805	0.0002857	-0.662357	0.1161801	0.3963755	0.5464623	0.2715217	141	2	3	2	5	4	4	3	4	1	8	4	6	7	3	3	8	8	10	5	3	3	4	8	4	2	1	3	7	10	6
ENSP00000320204,ENS	ENSG00000073792	IGF2BP2	1645	1	195	38	0.0002983	0.000472	-0.662035	0.0533043	0.2899594	0.5242069	0.2537803	233	13	7	12	3	2	2	8	4	6	14	14	11	8	4	10	7	5	5	9	2	5	11	5	6	12	3	7	15	14	9
ENSP00000355541_rs2	ENSG00000119285	HEATR1	905	1	380	74	0.0005813	0.0009191	-0.661036	0.0163084	0.1718711	0.4253701	0.1687837	454	22	9	10	7	9	6	12	6	15	21	16	14	14	18	15	11	10	12	29	7	22	23	12	13	19	8	20	28	20	26
ENSP00000359727	ENSG00000112208	BAG2	2652	1	221	43	0.000338	0.0005341	-0.6598	0.0005674	0.0248004	0.3161199	0.161121	264	11	8	4	7	8	8	9	6	4	8	10	10	10	6	6	10	8	11	10	8	7	16	10	6	9	4	7	17	13	13
ENSP00000263645,ENS	ENSG00000110651	CD81	818	1	36	7	5.51E-05	8.69E-05	-0.658868	0.3556244	0.6592292	1.1006991	0.6546537	43	2	1	4	0	0	0	2	0	1	1	3	0	2	4	0	1	0	2	0	0	0	3	4	0	4	1	1	4	2	1
ENSP00000216297_rs6	ENSG00000092201	SUPT16HP,S	5654	1	474	92	0.000725	0.0011426	-0.656257	0.0014941	0.0459014	0.3311394	0.1470408	566	26	17	12	16	24	11	16	17	16	19	20	22	20	25	25	11	10	13	32	18	15	14	13	11	26	14	11	35	31	26
ENSP00000297258	ENSG00000164687	FABP5L2,FA	4522	1	201	39	0.0003075	0.0004844	-0.655789	0.1684643	0.4615968	0.8207598	0.0769231	240	19	9	9	3	6	4	6	5	6	5	8	10	8	11	7	5	2	1	4	1	4	25	22	13	3	3	2	13	14	12
ENSP00000296411,ENS	ENSG00000164024	METAP1	4127	925	67	13	0.0001025	0.0001615	-0.655789	0.0386196	0.2517811	0.5739518	0.1332347	80	3	2	2	2	3	2	2	2	3	3	3	2	4	5	2	2	0	2	2	2	2	7	5	2	1	1	1	5	4	4
ENSP00000296509	ENSG00000164109	MAD2L1	5551	1	67	13	0.0001025	0.0001615	-0.655789	0.0560357	0.2984142	0.516682	0.3525058	80	3	1	2	4	3	1	4	3	3	2	2	2	3	4	3	3	0	3	4	2	2	5	1	1	4	2	0	6	4	3
ENSP00000265107	ENSG00000082068	WDR70	4723	1	67	13	0.0001025	0.0001615	-0.655789	0.1051107	0.3832958	0.5286325	0.1332347	80	2	3	1	3	1	4	2	4	2	1	4	2	4	3	2	3	0	2	4	6	2	3	3	2	1	2	1	4	5	4
ENSP00000325017_rs7	ENSG00000010292	NCAPD2	2752	1	165	32	0.0002524	0.0003974	-0.655116	0.0910723	0.3645576	0.5764614	0.1082532	197	14	6	7	4	7	3	11	6	9	4	5	3	5	15	9	6	4	4	4	2	2	4	6	2	12	7	4	10	12	10
ENSP00000227322,ENS	ENSG00000109917	ZNF259	2814	651	98	19	0.0001499	0.000236	-0.654656	0.1895574	0.4865065	0.7051047	0.5075606	117	11	7	9	5	4	4	4	3	5	3	4	4	6	3	3	5	3	3	4	2	2	0	0	1	2	0	1	5	4	10
ENSP00000276569	ENSG00000104442	ARMC1	654	1	31	6	4.74E-05	7.45E-05	-0.652204	0.1429323	0.4285995	0.6704713	0	37	2	1	1	1	1	1	1	0	1	2	1	1	2	1	1	2	1	3	1	0	1	3	1	1	0	0	1	2	2	2
ENSP00000263092,ENS	ENSG00000127804	METT10D	6439	1373	31	6	4.74E-05	7.45E-05	-0.652204	0.2007506	0.4973332	0.7126601	0.5	37	1	2	0	1	1	3	2	1	1	1	1	1	2	1	1	1	1	0	3	1	2	2	1	0	1	0	0	2	3	1
ENSP00000256079,ENS	ENSG00000133704	IPO8	1016	1	62	12	9.48E-05	0.000149	-0.652204	0.2387086	0.5424326	0.8438713	0.4330127	74	4	0	2	3	0	0	4	0	3	3	1	2	4	4	3	2	1	0	7	1	3	5	4	5	1	0	0	3	3	6
ENSP00000298838	ENSG00000165912	PACSIN3	3340	755	62	12	9.48E-05	0.000149	-0.652204	0.2672894	0.5724616	0.808558	0.25	74	3	6	6	1	0	0	3	1	3	3	3	3	4	3	2	0	0	0	2	5	4	1	3	0	4	0	2	5	4	3
ENSP00000243498,ENS	ENSG00000123737	EXOSC9	3550	1	93	18	0.0001423	0.0002236	-0.652204	0.0141488	0.1591551	0.4286057	0	111	6	2	2	1	3	4	3	3	5	4	6	3	7	5	3	3	2	2	4	3	4	5	2	2	4	2	3	6	6	6
ENSP00000366237	ENSG00000160049	DFFA	2934	675	93	18	0.0001423	0.0002236	-0.652204	0.0327515	0.2351824	0.4052801	0.1666667	111	4	5	3	2	3	3	3	6	2	4	5	3	1	6	3	3	4	2	5	5	3	3	6	2	3	2	2	6	7	5
ENSP00000350948	ENSG00000087470	DNM1L	4351	1	186	36	0.0002845	0.0004471	-0.652204	0.0306414	0.2271331	0.5017778	0.0833333	222	13	12	8	4	7	4	6	4	4	10	12	7	5	7	7	6	9	5	15	5	5	11	6	5	7	1	1	13	12	11
ENSP00000321070,ENS	ENSG00000082212	ME2	342	1	155	30	0.0002371	0.0003726	-0.652204	0.0376287	0.2503325	0.5327383	0.2	185	6	3	3	4	6	4	4	3	6	6	6	6	8	14	10	4	3	3	7	5	8	11	10	8	3	0	4	12	8	10
ENSP00000330311,ENS	ENSG00000185049	WHSC2	580	1	93	18	0.0001423	0.0002236	-0.652204	0.0358462	0.2449804	0.4132017	0.1666667	111	0	2	4	4	4	3	5	1	2	3	6	3	3	4	4	3	2	6	4	5	2	4	5	3	5	3	3	6	7	5
ENSP00000250392,ENS	ENSG00000129460	NGDN	3623	1	31	6	4.74E-05	7.45E-05	-0.652204	0.1051682	0.3832958	0.4648882	0.5	37	1	2	1	0	1	0	2	2	1	1	2	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	3	1	2
ENSP00000379457,ENS	ENSG00000185104	FAF1	1481	344	62	12	9.48E-05	0.000149	-0.652204	0.1008212	0.3762026	0.5510445	0.25	74	2	2	3	4	3	0	4	2	2	2	3	2	5	4	2	1	2	1	1	3	0	4	3	1	2	1	3	4	3	5
ENSP00000292475,ENS	ENSG00000160916	ATP5J2	1289	300	31	6	4.74E-05	7.45E-05	-0.652204	0.4472462	0.7325627	1.2006362	0	37	0	0	3	0	0	2	1	0	1	1	0	3	0	0	2	0	0	1	3	0	4	2	3	4	0	1	0	2	2	2
ENSP00000373810,ENS	ENSG00000048162	NOP16	1162	277	88	17	0.0001346	0.0002111	-0.649469	0.2916401	0.5972959	0.6839129	0.4441079	105	2	4	0	2	2	2	2	7	2	3	4	3	3	4	2	5	0	0	5	8	6	2	4	1	5	8	2	3	8	6
ENSP00000339353,ENS	ENSG00000071894	CPSF1	5920	1	114	22	0.0001744	0.0002732	-0.64798	0.0259345	0.2078821	0.349652	0.0787296	136	5	4	4	5	4	1	1	5	3	2	3	4	4	5	5	4	5	4	4	6	6	5	5	4	8	5	3	8	7	7
ENSP00000259873,ENS	ENSG00000203624	MRPS18B	2127	512	57	11	8.72E-05	0.0001366	-0.64798	0.069835	0.3288607	0.5776577	0.5677271	68	3	3	2	1	3	2	0	1	1	3	2	2	1	3	3	2	2	2	5	1	3	5	1	1	3	1	1	6	2	3
ENSP00000261708,ENS	ENSG00000108651	UTP6	5517	1	109	21	0.0001667	0.0002608	-0.645571	0.0761118	0.3379116	0.4977011	0.2474358	130	5	2	1	4	4	1	3	3	4	1	5	4	10	5	3	5	2	3	6	3	7	5	3	4	7	5	4	5	8	8
ENSP00000363944,ENS	ENSG00000001497	LAS1L	1980	1	161	31	0.0002463	0.000385	-0.644718	0.0848068	0.3536181	0.4424315	0.147825	192	4	8	6	4	3	5	4	4	8	1	8	6	2	11	8	6	5	5	9	11	5	6	5	3	9	10	5	10	12	9
ENSP00000366997,ENS	ENSG00000083520	DIS3	2587	1	291	56	0.0004451	0.0006955	-0.643918	0.0289222	0.2200589	0.5084133	0.2696369	347	12	8	10	13	16	11	7	5	10	13	11	11	10	7	9	8	7	10	32	10	13	18	8	10	15	2	5	24	14	18
ENSP00000357644	ENSG00000143614	GATAD2B	801	1	78	15	0.0001193	0.0001863	-0.642927	0.1110453	0.3896456	0.5199699	0.5291503	93	3	2	3	3	2	4	2	2	5	1	5	4	4	6	1	4	1	2	4	3	1	3	4	2	0	2	5	2	7	6
ENSP00000382239,ENS	ENSG00000183808	RBM12B	4867	1	52	10	7.95E-05	0.0001242	-0.642927	0.1633826	0.4560694	0.6428328	0.4582576	62	2	0	2	2	1	1	1	2	1	3	5	3	3	4	0	2	4	1	3	3	2	2	1	1	1	1	1	5	3	2
ENSP00000222644,ENS	ENSG00000105926	MPP6	5624	1	52	10	7.95E-05	0.0001242	-0.642927	0.2230272	0.5250673	0.6895284	0.4582576	62	4	4	1	0	0	0	3	2	1	2	4	1	3	3	1	2	3	1	1	1	1	0	3	2	4	3	2	3	5	2
ENSP00000346913,ENS	ENSG00000149262	INTS4	5271	1	52	10	7.95E-05	0.0001242	-0.642927	0.2705673	0.5749673	0.826338	0.6244998	62	2	0	1	3	2	1	3	1	0	3	7	5	3	3	2	1	1	1	3	0	2	0	3	1	1	2	1	4	1	5
ENSP00000321571,ENS	ENSG00000129187	DCTD	3757	852	26	5	3.98E-05	6.21E-05	-0.642927	0.2988623	0.6041809	0.8387926	0.3464102	31	2	0	1	3	2	1	2	0	1	2	1	1	1	0	0	1	0	1	1	0	2	1	0	1	1	0	1	2	1	2
ENSP00000325958	ENSG00000110536	PTPMT1	4126	924	26	5	3.98E-05	6.21E-05	-0.642927	0.3043371	0.6091418	0.9324597	0.3464102	31	1	0	1	2	1	1	0	0	0	0	1	0	2	1	2	2	1	0	1	1	0	1	1	1	4	1	1	2	2	1
ENSP00000316092,ENS	ENSG00000206375		3579	813	26	5	3.98E-05	6.21E-05	-0.642927	0.3140798	0.6203548	0.9324597	0.6928203	31	1	1	0	1	1	0	1	1	0	2	1	1	1	2	0	1	0	0	3	2	0	2	3	1	0	1	0	1	3	1
ENSP00000003302	ENSG00000048028	USP28	6053	1	26	5	3.98E-05	6.21E-05	-0.642927	0.3601489	0.6639621	1.0175407	0.3464102	31	4	0	0	0	1	1	2	0	0	1	0	1	0	2	1	1	1	1	1	0	0	1	3	1	1	2	1	1	2	2
ENSP00000353231_rs5	ENSG00000127603	MACF1	4633	1	26	5	3.98E-05	6.21E-05	-0.642927	0.3567308	0.6601202	1.0175407	0.9165151	31	3	1	2	0	0	0	2	0	0	2	1	1	1	1	1	2	0	2	0	0	0	3	2	1	0	0	1	3	0	2
ENSP00000300417,ENS	ENSG00000148356	LRSAM1	3624	1	26	5	3.98E-05	6.21E-05	-0.642927	0.3998394	0.698141	1.0960371	0.3464102	31	0	1	0	1	0	0	3	2	0	2	1	0	0	2	1	1	0	0	1	1	1	2	4	2	1	0	0	2	2	1
ENSP00000355599	ENSG00000116918	TSNAX	6050	1	104	20	0.0001591	0.0002484	-0.642927	0.076739	0.3386185	0.5076368	0.4821825	124	5	1	4	3	5	5	2	3	3	6	3	3	4	5	7	3	1	8	3	2	4	6	5	7	4	0	2	9	3	8
ENSP00000342300	ENSG00000101158	TH1L	602	1	78	15	0.0001193	0.0001863	-0.642927	0.0763801	0.337951	0.5542898	0.2	93	4	2	2	2	5	3	3	0	3	4	5	4	2	2	2	3	3	5	2	1	1	6	5	5	2	0	2	5	6	4
ENSP00000339881,ENS	ENSG00000164654	MIOS	5224	1	26	5	3.98E-05	6.21E-05	-0.642927	0.4508202	0.7345989	1.2381895	0.9165151	31	2	0	0	2	2	0	3	0	1	2	2	0	2	4	1	0	0	0	0	0	0	0	3	1	1	0	0	2	3	0
ENSP00000339299,ENS	ENSG00000038382	TRIO	167	1	26	5	3.98E-05	6.21E-05	-0.642927	0.4870731	0.7587436	1.3349065	0.3464102	31	1	0	1	4	1	4	0	1	0	1	1	0	1	0	0	0	1	1	0	0	0	3	4	1	1	0	0	2	1	2
ENSP00000296684	ENSG00000164258	NDUFS4	672	1	52	10	7.95E-05	0.0001242	-0.642927	0.1287666	0.413794	0.6428328	0.4582576	62	1	4	1	1	2	1	2	1	1	2	3	4	1	2	2	3	1	1	5	3	2	3	3	0	2	0	1	5	2	3
ENSP00000368050,ENS	ENSG00000215915	ATAD3C	1747	1	26	5	3.98E-05	6.21E-05	-0.642927	0.5043472	0.7712639	1.2712464	0.3464102	31	1	1	1	0	0	0	2	0	1	0	0	1	0	0	0	0	0	3	0	3	0	3	3	0	3	3	1	2	2	1
ENSP00000351416,ENS	ENSG00000132466	ANKRD17	2609	1	172	33	0.0002631	0.0004099	-0.639568	0.0264237	0.2087751	0.4356975	0	205	10	8	8	8	5	5	5	6	7	10	5	8	12	10	7	8	5	4	9	7	2	8	5	5	1	2	2	11	11	11
ENSP00000262952,ENS	ENSG00000034063	UHRF1	3678	1	146	28	0.0002233	0.0003478	-0.638969	0.0681848	0.3267615	0.4508318	0.6546537	174	6	4	3	6	5	2	6	5	6	6	8	8	8	14	7	4	4	5	5	6	1	4	6	4	6	4	3	4	16	8

ENSP00000385139_L11	ENSG00000218175	RPLP1P4	2632	1	73	14	0.0001117	0.0001739	-0.638969	0.2988553	0.6041809	0.9164547	0.6546537	87	[illegible]
ENSP00000253247_L26	ENSG00000130935	NOL11	1624	1	120	23	0.0001836	0.0002857	-0.63811	0.0570474	0.301094	0.4641991	0.3282537	143	[illegible]
ENSP00000338477,ENS	ENSG00000169813	HNRNPF	3931	1	527	101	0.0008061	0.0012544	-0.637991	0.0239651	0.204032	0.4516705	0.3944274	628	[illegible]
ENSP00000308546,ENS	ENSG00000146834	MEPCE	6294	299	47	9	7.19E-05	0.0001118	-0.636774	0.4413413	0.7276091	1.0758244	0.8819171	56	[illegible]
ENSP00000358064,ENS	ENSG00000163125	RPRD2	1896	1	94	18	0.0001438	0.0002236	-0.636774	0.0849573	0.3537897	0.4998607	0.1666667	112	[illegible]
ENSP00000292644	ENSG00000161057	PSMC2	1912	1	512	98	0.0007832	0.0012172	-0.636148	0.0002751	0.0146844	0.2769207	0.3066322	610	[illegible]
ENSP00000221957	ENSG00000105355	M6PRBP1	4794	1	277	53	0.0004237	0.0006583	-0.635617	0.1499184	0.4381763	0.6927241	0.290468	330	[illegible]
ENSP00000216639	ENSG00000100749	VRK1	4667	1	115	22	0.0001759	0.0002732	-0.63538	0.09176	0.3650501	0.4631671	0.3431743	137	[illegible]
ENSP00000216951	ENSG00000100983	GSS	5383	1	183	35	0.0002799	0.0004347	-0.635021	0.0345241	0.2408084	0.4742779	0.4050699	218	[illegible]
ENSP00000262077,ENS	ENSG00000124789	NUP153	4736	1	110	21	0.0001683	0.0002608	-0.632396	0.1168679	0.3974728	0.5269953	0.3779645	131	[illegible]
ENSP00000358155,ENS	ENSG00000184260	HIST2H2AC	5221	1	435	83	0.0006654	0.0010309	-0.631606	0.2117042	0.5108074	0.7490596	0.6677786	518	[illegible]
ENSP00000243662	ENSG00000123892	RAB38	3696	164	21	4	3.21E-05	4.97E-05	-0.629121	0.2927607	0.5984779	0.8235162	1.1456439	25	[illegible]
ENSP00000261812,ENS	ENSG00000113141		4694	1	84	16	0.0001285	0.0001987	-0.629121	0.1517431	0.44042	0.6924549	0.2165064	100	[illegible]
ENSP00000337838	ENSG00000115310	RTN4	4243	1	84	16	0.0001285	0.0001987	-0.629121	0.1891793	0.4862411	0.7369349	0.2165064	100	[illegible]
ENSP00000362807	ENSG00000162517	PEF1	3506	1	21	4	3.21E-05	4.97E-05	-0.629121	0.5312299	0.7808787	1.4411534	0.4330127	25	[illegible]
rev_ENSP00000327104	rev	rev	671	1	42	8	6.42E-05	9.94E-05	-0.629121	0.2134476	0.5120383	0.6750196	0.572822	50	[illegible]
ENSP00000334960,ENS	ENSG00000187118	CMC1	5309	1145	21	4	3.21E-05	4.97E-05	-0.629121	0.3318647	0.6355292	0.897406	0.4330127	25	[illegible]
ENSP00000221899,ENS	ENSG00000105298	C19orf29	6041	1287	21	4	3.21E-05	4.97E-05	-0.629121	0.3490137	0.652822	0.9656584	0.4330127	25	[illegible]
ENSP00000360497,ENS	ENSG00000125352	RNF113A	2559	595	21	4	3.21E-05	4.97E-05	-0.629121	0.3779175	0.6775052	0.897406	0.4330127	25	[illegible]
ENSP00000368352,ENS	ENSG00000101290	CDS2	1398	326	21	4	3.21E-05	4.97E-05	-0.629121	0.3887958	0.6884793	1.0293953	0.8660254	25	[illegible]
ENSP00000203166,ENS	ENSG00000089336	KIAA0841	5052	1	21	4	3.21E-05	4.97E-05	-0.629121	0.3711563	0.6726047	1.0293953	0.4330127	25	[illegible]
ENSP00000370460_rs7	ENSG00000153015	SDCCAG10	438	1	21	4	3.21E-05	4.97E-05	-0.629121	0.4288341	0.7205605	1.0894096	1.1456439	25	[illegible]
ENSP00000314067	ENSG00000180370	PAK2	2449	1	147	28	0.0002249	0.0003478	-0.629121	0.07339	0.3344967	0.5470817	0.4460713	175	[illegible]
ENSP00000240922	ENSG00000121579	NAT13	2571	601	63	12	9.64E-05	0.000149	-0.629121	0.0972891	0.3716888	0.5042986	0.4330127	75	[illegible]
ENSP00000302005,ENS	ENSG00000129472	RAB2B	5211	1	42	8	6.42E-05	9.94E-05	-0.629121	0.0880243	0.3604911	0.5146976	0.572822	50	[illegible]
ENSP00000253686,ENS	ENSG00000131368	MRPS25	147	1	21	4	3.21E-05	4.97E-05	-0.629121	0.4591405	0.7420303	1.2523134	1.1456439	25	[illegible]
ENSP00000295008,ENS	ENSG00000162910	MRPL55	5984	1	42	8	6.42E-05	9.94E-05	-0.629121	0.1257231	0.4104434	0.4828292	0.2165064	50	[illegible]
ENSP00000264389,ENS	ENSG00000138663	COPS4	3991	1	84	16	0.0001285	0.0001987	-0.629121	0.1144066	0.3937494	0.5591047	0.3903124	100	[illegible]
ENSP00000349140,ENS	ENSG00000105887	MTPN	3731	1	179	34	0.0002738	0.0004223	-0.625085	0.0479264	0.2783082	0.3814744	0.4352544	213	[illegible]
ENSP00000253861,ENS	ENSG00000131558	EXOC4	2142	521	79	15	0.0001208	0.0001863	-0.624548	0.1550495	0.4454509	0.6562212	0.5291503	94	[illegible]
ENSP00000296464_rs1	ENSG00000164070	HSPA4L	1616	1	253	48	0.000387	0.0005962	-0.623407	0.0725259	0.3337702	0.5898585	0.1082532	301	[illegible]
ENSP00000225394,ENS	ENSG00000108262	GIT1	3546	1	58	11	8.87E-05	0.0001366	-0.622889	0.1783267	0.4730923	0.6795681	0.4165978	69	[illegible]
ENSP00000258081,ENS	ENSG00000115307	AUP1	2919	1	37	7	5.66E-05	8.69E-05	-0.61934	0.3538015	0.6572473	0.8381061	0.8921426	44	[illegible]
ENSP00000235521	ENSG00000116874	WARS2	6119	1302	37	7	5.66E-05	8.69E-05	-0.61934	0.3226599	0.6282852	0.8856329	0.6546537	44	[illegible]
ENSP00000235090	ENSG00000116455	WDR77	5878	1	37	7	5.66E-05	8.69E-05	-0.61934	0.3311716	0.6354427	1.0349297	0.6546537	44	[illegible]
ENSP00000364794,ENS	ENSG00000196305	IARS	289	1	661	125	0.0010111	0.0015525	-0.618716	0.0265737	0.2087751	0.4509402	0.2306166	786	[illegible]
ENSP00000226796,ENS	ENSG00000109534	GAR1	4360	1	90	17	0.0001377	0.0002111	-0.617048	0.0758069	0.3377758	0.4706787	0.2037707	107	[illegible]
ENSP00000364794_V44	ENSG00000196305	IARS	288	1	646	122	0.0009881	0.0015152	-0.616785	0.0250963	0.2055654	0.4436775	0.2120085	768	[illegible]
ENSP00000277009,ENS	ENSG00000147955	SIGMAR1	5849	1250	53	10	8.11E-05	0.0001242	-0.615446	0.1393887	0.4238875	0.6394357	0.4582576	63	[illegible]
ENSP00000359799,ENS	ENSG00000120694	DNAJB4	5914	1	53	10	8.11E-05	0.0001242	-0.615446	0.171027	0.464553	0.6394357	0.3464102	63	[illegible]
ENSP00000284031	ENSG00000153904	DDAH1	3730	1	106	20	0.0001621	0.0002484	-0.615446	0.2125915	0.5116809	0.7167185	0.4582576	126	[illegible]
ENSP00000349456,ENS	ENSG00000121940	CLCC1	238	51	53	10	8.11E-05	0.0001242	-0.615446	0.3536346	0.6572473	0.9528697	0.4582576	63	[illegible]
ENSP00000221138,ENS	ENSG00000104695	PPP2CB	121	1	228	43	0.0003488	0.0005341	-0.614813	0.0673865	0.324806	0.5739107	0.161121	271	[illegible]
ENSP00000369423,ENS	ENSG00000137055	PLAA	2767	1	122	23	0.0001866	0.0002857	-0.614263	0.0948332	0.3691399	0.5149051	0.0753066	145	[illegible]
ENSP00000258960	ENSG00000136448	NMT1	681	159	69	13	0.0001055	0.0001615	-0.613354	0.2194314	0.5193156	0.6631189	0.1332347	82	[illegible]
ENSP00000202584,ENS	ENSG00000088833	NSFL1C	1869	1	101	19	0.0001545	0.000236	-0.611154	0.0567014	0.2995101	0.4723828	0.2411882	120	[illegible]
ENSP00000232165,ENS	ENSG00000114062	UBE3A	2917	1	128	24	0.0001958	0.0002981	-0.606401	0.0475246	0.2783082	0.4119937	0.625	152	[illegible]
rev_ENSP00000216832	rev	rev	1642	1	16	3	2.45E-05	3.73E-05	-0.606401	0.5937457	0.8243221	1.3450631	1.7320508	19	[illegible]
ENSP00000342492,ENS	ENSG00000188677	PARVB	6351	1	16	3	2.45E-05	3.73E-05	-0.606401	0.4852227	0.7571678	1.0733328	1.7320508	19	[illegible]
ENSP00000384353,ENS	ENSG00000188677	PARVB	3031	1	16	3	2.45E-05	3.73E-05	-0.606401	0.5021027	0.7704851	1.1709371	1.7320508	19	[illegible]
ENSP00000336752,ENS	ENSG00000145216	FIP1L1	5580	1	48	9	7.34E-05	0.0001118	-0.606401	0.1608331	0.4525557	0.5015002	0.3333333	57	[illegible]
ENSP00000220822_I18	ENSG00000104381	GDAP1	3197	1	16	3	2.45E-05	3.73E-05	-0.606401	0.6020827	0.8304856	1.5704605	1	19	[illegible]
ENSP00000216117	ENSG00000100292	HMOX1	4302	1	16	3	2.45E-05	3.73E-05	-0.606401	0.6040731	0.8310829	1.7042439	1	19	[illegible]
ENSP00000292510	ENSG00000160948	VPS28	864	1	96	18	0.0001468	0.0002236	-0.606401	0.2065169	0.5041396	0.6859686	0.3333333	114	[illegible]
ENSP00000216121	ENSG00000184117	NIPSNAP1	1984	475	48	9	7.34E-05	0.0001118	-0.606401	0.2442099	0.5474603	0.7695762	0.6666667	57	[illegible]
ENSP00000306965,ENS	ENSG00000169599	NFU1	3319	1	32	6	4.89E-05	7.45E-05	-0.606401	0.320438	0.6269189	0.7774426	0.5	38	[illegible]
ENSP00000299671	ENSG00000166530	HSBP1	2687	1	16	3	2.45E-05	3.73E-05	-0.606401	0.6698395	0.8649217	1.8872198	1	19	[illegible]
ENSP00000325548,ENS	ENSG00000133313	CNDP2	302	1	256	48	0.0003916	0.0005962	-0.606401	0.0506635	0.284245	0.4381622	0.25	304	[illegible]
rev_ENSP00000316029	rev	rev	6318	1	32	6	4.89E-05	7.45E-05	-0.606401	0.4006831	0.6986585	1.0985472	0.5	38	[illegible]
ENSP00000356146,ENS	ENSG00000213079	RBM16	1292	1	32	6	4.89E-05	7.45E-05	-0.606401	0.4140864	0.7099091	0.9074511	0.5	38	[illegible]
ENSP00000238738	ENSG00000119729	RHOQ	659	1	16	3	2.45E-05	3.73E-05	-0.606401	0.4500403	0.7342118	1.1709371	0	19	[illegible]
ENSP00000252725,ENS	ENSG00000130429	ARPC1B	3630	1	32	6	4.89E-05	7.45E-05	-0.606401	0.4272275	0.7203036	1.2391052	0.5	38	[illegible]
ENSP00000336856,ENS	ENSG00000140382	HMG20A	3532	805	16	3	2.45E-05	3.73E-05	-0.606401	0.4663556	0.7473853	1.0733328	1	19	[illegible]
ENSP00000317362,ENS	ENSG00000137509	PRCP	1514	355	16	3	2.45E-05	3.73E-05	-0.606401	0.4736813	0.7530397	1.1709371	1	19	[illegible]
ENSP00000295448	ENSG00000163281	GNPDA2	3379	1	64	12	9.79E-05	0.000149	-0.606401	0.0597073	0.3089759	0.525206	0.25	76	[illegible]
ENSP00000249883,ENS	ENSG00000114019	AMOTL2	5330	1	16	3	2.45E-05	3.73E-05	-0.606401	0.456411	0.7400654	1.0733328	1	19	[illegible]
ENSP00000269137,ENS	ENSG00000141380	SS18	852	1	16	3	2.45E-05	3.73E-05	-0.606401	0.4840828	0.7562559	1.1709371	1	19	[illegible]
ENSP00000263635_rs1	ENSG00000115183	TANC1	384	86	16	3	2.45E-05	3.73E-05	-0.606401	0.5111846	0.7728286	1.2610092	1	19	[illegible]
ENSP00000328835,ENS	ENSG00000184428	TOP1MT	6380	1	16	3	2.45E-05	3.73E-05	-0.606401	0.5535545	0.7953453	1.2610092	1	19	[illegible]
ENSP00000265421,ENS	ENSG00000070501	POLB	3752	851	16	3	2.45E-05	3.73E-05	-0.606401	0.5176755	0.7750389	1.2610092	0	19	[illegible]
ENSP00000282058	ENSG00000152240	CCDC5	3115	1	16	3	2.45E-05	3.73E-05	-0.606401	0.5498163	0.7932837	1.3450631	1	19	[illegible]
ENSP00000297283	ENSG00000164708	PGAM2	4184	1	123	23	0.0001881	0.0002857	-0.602486	0.2319225	0.535826	0.7660783	0.3765328	146	[illegible]
ENSP00000245932,ENS	ENSG00000125753	VASP	4551	271	107	20	0.0001637	0.0002484	-0.601899	0.1931843	0.4891307	0.7585654	0.2291288	127	[illegible]
ENSP00000324074	ENSG00000143401	ANP32E	5463	842	107	20	0.0001637	0.0002484	-0.601899	0.1193923	0.4017298	0.5619864	0.4582576	127	[illegible]
ENSP00000353741,ENS	ENSG00000120705	ETF1	21	1	273	51	0.0004176	0.0006334	-0.601106	0.0265121	0.2087751	0.4331313	0.4075414	324	[illegible]
ENSP00000232888	ENSG00000114767	RRP9	6323	1	75	14	0.0001147	0.0001739	-0.599974	0.3895439	0.6890023	0.7945971	0.5392739	89	[illegible]
ENSP00000354040_E45	ENSG00000107937	GTPBP4	6463	1	359	67	0.0005491	0.0008321	-0.599687	0.0025418	0.0616324	0.3329737	0.1572486	426	[illegible]
ENSP00000361076	ENSG00000148303	RPL7AP62,R	428	1	252	47	0.0003855	0.0005837	-0.598747	0.0075071	0.1115635	0.3639462	0.3900064	299	[illegible]
ENSP00000349658	ENSG00000196236	XPNPEP3	5873	1	59	11	9.02E-05	0.0001366	-0.598227	0.2795901	0.5836888	0.7827867	0.3149183	70	[illegible]
ENSP00000260247	ENSG00000137692	DCUN1D5	3622	1	59	11	9.02E-05	0.0001366	-0.598227	0.2802387	0.5842493	0.8031026	0.4165978	70	[illegible]
ENSP00000311572_rs1	ENSG00000106853	PTGR1	2428	1	59	11	9.02E-05	0.0001366	-0.598227	0.3919015	0.6910086	0.933009	0.7872958	70	[illegible]
ENSP00000325223,ENS	ENSG00000070814	TCOF1	4452	1	161	30	0.0002463	0.0003726	-0.597412	0.2450047	0.5474603	0.679589	0.1732051	191	[illegible]
ENSP00000223073,ENS	ENSG00000106344	RBM28	1968	1	161	30	0.0002463	0.0003726	-0.597412	0.0882133	0.3604911	0.4615763	0.1	191	[illegible]
ENSP00000296543,ENS	ENSG00000164134	NARG1	2222	1	231	43	0.0003533	0.0005341	-0.595954	0.0737441	0.3344967	0.5250575	0.1452325	274	[illegible]
ENSP00000369217	ENSG00000166233	ARIH1	965	229	43	8	6.58E-05	9.94E-05	-0.595173	0.1647545	0.4569927	0.6341372	0.4330127	51	[illegible]
ENSP00000362463_rs4	ENSG00000124767	GLO1	1991	1	129	24	0.0001973	0.0002981	-0.595173	0.3142589	0.6203548	0.8597154	0.4506939	153	[illegible]
ENSP00000350934,ENS	ENSG00000177548	RABEP2	1867	1	43	8	6.58E-05	9.94E-05	-0.595173	0.3968552	0.6952963	1.0043381	0.572822	51	[illegible]
ENSP00000346167,ENS	ENSG00000126883	NUP214	5395	1	129	24	0.0001973	0.0002981	-0.595173	0.043989	0.2696218	0.4433644	0.125	153	[illegible]
ENSP00000300403,ENS	ENSG00000088325	TPX2	4628	1	86	16	0.0001315	0.0001987	-0.595173	0.5166002	0.7741872	0.9967602	0.4330127	102	[illegible]
ENSP00000007516	ENSG00000004779	NDUFAB1	1679	1	172	32	0.0002631	0.0003974	-0.595173	0.1329283	0.4186037	0.6003572	0.5330851	204	[illegible]
ENSP00000354040,ENS	ENSG00000107937	GTPBP4	6464	1	398	74	0.0006088	0.0009191	-0.594267	0.0033753	0.0740003	0.3446793	0.2232799	472	[illegible]
ENSP00000262177	ENSG00000105993	DNAJB6	10	1	113	21	0.0001728	0.0002608	-0.593577	0.1430057	0.4286221	0.6038785	0.2857143	134	[illegible]
ENSP00000365588,ENS	ENSG00000206385		3943	1	70	13	0.0001071	0.0001615	-0.592595	0.2500097	0.5518594	0.6261567	0.4803845	83	[illegible]
ENSP00000296129,ENS	ENSG00000163814	CDCP1	634	1	70	13	0.0001071	0.0001615	-0.592595	0.3417589	0.6464087	0.8575548	0.1332347	83	[illegible]
ENSP00000216714_rs1	ENSG00000100823	APEX1	3555	1	415	77	0.0006348	0.0009563	-0.591257	0.0034743	0.0753897	0.3596005	0.1799533	492	[illegible]
ENSP00000267229	ENSG00000139746	RBM26	2990	1	151	28	0.000231	0.0003478	-0.590388	0.0800242	0.3456218	0.4215624	0.2230356	179	[illegible]
ENSP00000338477_V15	ENSG00000169813	HNRNPF	3932	1	480	89	0.0007342	0.0011054	-0.590281	0.0184272	0.1841644	0.393853	0.3892249	569	[illegible]
ENSP00000233552_R3C	ENSG00000115211	EIF2B4	3871	1	27	5	4.13E-05	6.21E-05	-0.588479	0.4222216	0.7168742	0.877058	1.2489996	32	[illegible]
ENSP00000354722	ENSG00000198692	EIF1AY	3335	1	108	20	0.0001652	0.0002484	-0.588479	0.2485171	0.5500091	0.6240377	0.3122499	128	[illegible]
ENSP00000216185,ENS	ENSG00000100348	TXN2	2007	1	81	15	0.0001239	0.0001863	-0.588479	0.143395	0.4289993	0.6132441	0.2	96	[illegible]
ENSP00000258383	ENSG00000135900	MRPL44	3405	770	81	15	0.0001239	0.0001863	-0.588479	0.2447111	0.5474603	0.7220578	0.4	96	[illegible]
ENSP00000222969,ENS	ENSG00000106245	BUD31	514	120	27	5	4.13E-05	6.21E-05	-0.588479	0.3545149	0.6580443	0.8320503	0.3464102	32	[illegible]
ENSP00000333799,ENS	ENSG00000174374	WBSCR16	112	1	27	5	4.13E-05	6.21E-05	-0.588479	0.3282529	0.6324483	0.877058	0.3464102	32	[illegible]
ENSP00000299761	ENSG00000166595	FAM96B	1606	380	27	5	4.13E-05	6.21E-05	-0.588479	0.3378758	0.6429001	0.9198662	0.3464102	32	[illegible]
ENSP00000242983,ENS	ENSG00000123297	TSFM	4765	1	189	35	0.0002891	0.0004347	-0.588479	0.0391208	0.2529513	0.4429812	0.2618615	224	[illegible]
ENSP00000257118,ENS	ENSG00000134686	PHC2	6031	1	54	10	8.26E-05	0.0001242	-0.588479	0.044594	0.2697105	0.4160251	0.1732051	64	[illegible]
ENSP00000264874,ENS	ENSG00000124784	RIOK1	501	115	27	5	4.13E-05	6.21E-05	-0.588479	0.4611681	0.7429388	1.0741723	0.6928203	32	[illegible]
ENSP00000328426,ENS	ENSG00000108021	C10orf18	2278	1	27	5	4.13E-05	6.21E-05	-0.588479	0.5319905	0.7812817	1.1766968	1.2489996	32	[illegible]
ENSP00000301280,ENS	ENSG00000167670	CHAF1A	5270	1	27	5	4.13E-05	6.21E-05	-0.588479	0.5341854	0.7824762	1.3301243	0.9165151	32	[illegible]
ENSP00000307940	ENSG00000167658	EEF2	3958	1	1496	277	0.0022883	0.0034404	-0.588246	0.0118899	0.1439381	0.4238949	0.1845398	1773	[illegible]
ENSP00000263697	ENSG00000126698	DNAJC8	560	1	146	27	0.0002233	0.0003353	-0.586501	0.0725702	0.3337702	0.4508318	0.2939724	173	[illegible]
ENSP00000370023	ENSG00000084754	HADHA	595	1	633	117	0.0009682	0.0014531	-0.585741	0.0472925	0.2774566	0.4366466	0.3525058	750	[illegible]
ENSP00000251496,ENS	ENSG00000109805	NCAPG	819	1	92	17	0.0001407	0.0002111	-0.585339	0.2129665	0.5118031	0.6575448	0.3673528	109	[illegible]
ENSP00000262428	ENSG00000103187	COTL1	4198	941	92	17	0.0001407	0.0002111	-0.585339	0.3500857	0.653139	0.9036787	0.5391266	109	[illegible]
ENSP00000346300	ENSG00000099942	CRKL	6392	1	92	17	0.0001407	0.0002111	-0.585339	0.0594134	0.3088265	0.4009064	0.3673528	109	[illegible]
ENSP00000315674,ENS	ENSG00000087269	NOP14	5755	1	184	34	0.0002814	0.0004223	-0.585339	0.1114445	0.3896456	0.4384021	0.2695633	218	[illegible]
ENSP00000362576	ENSG00000134684	YARS	444	1	536	99	0.0008199	0.0012296	-0.584706	0.0198774	0.1885647	0.3923596	0.4810457	635	[illegible]
ENSP00000014112,ENS	ENSG00000011304	PTBP1	3073	1	130	24	0.0001988	0.0002981	-0.584033	0.2681804	0.5730508	0.6669007	0.3307189	154	[illegible]
ENSP00000273550,ENS	ENSG00000167996	FTHL16,FTH	1701	1	65	12	9.94E-05	0.000149	-0.584033	0.3647299	0.6674587	0.8868636	0.4330127	77	[illegible]
ENSP00000257181	ENSG00000134748	PRPF38A	770	1	65	12	9.94E-05	0.000149	-0.584033	0.1531343	0.4417022	0.5435432	0.25	77	[illegible]
ENSP00000174661,ENS	ENSG00000070756	PABPC1P5,P	994	1	466	86	0.0007128	0.0010681	-0.583517	0.0251511	0.2055654	0.3482305	0.1320676	552	[illegible]
ENSP00000233468	ENSG00000115128		4989	1	103	19	0.0001575	0.000236	-0.582865	0.1371158	0.42184	0.5193948	0.2411882	122	[illegible]
ENSP00000268159,ENS	ENSG00000140553	UNC45A	2147	1	217	40	0.0003319	0.0004968	-0.581815	0.004016	0.0824734	0.3209179	0.1887459	257	[illegible]
ENSP00000343054,ENS	ENSG00000003756	RBM5	5319	1	76	14	0.0001163	0.0001739	-0.580866	0.2651716	0.5708275	0.5832331	0.4460713	90	[illegible]
ENSP00000356070,ENS	ENSG00000162889	MAPKAPK2	3661	1	38	7	5.81E-05	8.69E-05	-0.580866	0.2631763	0.5673841	0.6899865	0.4948717	45	[illegible]
ENSP00000293981,ENS	ENSG00000162076	FLYWCH2	2536	587	38	7	5.81E-05	8.69E-05	-0.580866	0.2649187	0.5705738	0.7946189	0.2474358	45	[illegible]
ENSP00000261716	ENSG00000160551	TAOK1	2837	1	38	7	5.81E-05	8.69E-05	-0.580866	0.304202	0.6090587	0.8186902	0.4948717	45	[illegible]
ENSP00000345393,ENS	ENSG00000185022	MAFF	637	1	38	7	5.81E-05	8.69E-05	-0.580866	0.3658612	0.6678402	0.7175764	0.4948717	45	[illegible]
ENSP00000360031,ENS	ENSG00000052749	RRP12	44	1	342	63	0.0005231	0.0007825	-0.580866	0.0413725	0.2626308	0.3517028	0.4364358	405	[illegible]
ENSP00000279387	ENSG00000149923	PPP4C	2206	1	114	21	0.0001744	0.0002608	-0.580866	0.0756037	0.337496	0.5227613	0.3779645	135	[illegible]
ENSP00000260970,ENS	ENSG00000138398	PPIG	6425	131	76	14	0.0001163	0.0001739	-0.580866	0.1079985	0.383813	0.4729245	0.3273268	90	[illegible]
ENSP00000246489,ENS	ENSG00000126214	KLC1	5486	1	223	41	0.0003411	0.0005092	-0.57809	0.0489966	0.2809949	0.4684361	0.3457914	264	[illegible]
ENSP00000369538	ENSG00000057608	GDI2	2659	1	849	156	0.0012986	0.0019375	-0.57722	0.0193938	0.1872128	0.4297889	0.2167198	1005	[illegible]
ENSP00000263202,ENS	ENSG00000070010	UFD1L	3188	1	49	9	7.50E-05	0.0001118	-0.576653	0.2181952	0.5182732	0.6840892	0.6666667	58	[illegible]
ENSP00000296126,ENS	ENSG00000163811	WDR43	5465	1	49	9	7.50E-05	0.0001118	-0.576653	0.2390268	0.5424326	0.7492668	0.3333333	58	[illegible]
ENSP00000266022,ENS	ENSG00000004534	RBM6	323	1	98	18	0.0001499	0.0002236	-0.576653	0.3555062	0.6592292	0.7983148	0.7637626	116	[illegible]
ENSP00000262093_P27	ENSG00000066926	FECH	647	1	49	9	7.50E-05	0.0001118	-0.576653	0.3697943	0.6714353	0.9908595	0.3333333	58	[illegible]
ENSP00000348220,ENS	ENSG00000198420	FAM115B,F.	3191	1	49	9	7.50E-05	0.0001118	-0.576653	0.489184	0.7595686	1.184147	0.6666667	58	[illegible]
ENSP00000264670,ENS	ENSG00000037474	NSUN2	2795	1	403	74	0.0006164	0.0009191	-0.576256	0.0088435	0.12281	0.3626664	0.1638426	477	[illegible]
ENSP00000195419,ENS	ENSG00000082898	XPO1	5544	1	463	85	0.0007082	0.0010557	-0.575961	0.0116036	0.1415832	0.4100308	0.2478977	548	[illegible]
ENSP00000356989	ENSG00000143256	PFDN2	1452	1	60	11	9.18E-05	0.0001366	-0.573979	0.1770425	0.4714801	0.6281842	0.4165978	71	[illegible]
ENSP00000343442,ENS	ENSG00000132153	DHX30	6168	1	180	33	0.0002753	0.0004099	-0.573979	0.0320513	0.2324611	0.4076197	0.1818182	213	[illegible]

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