

Table S2 - Maternal super-group DEGs

Ensembl ID	Symbol	GeneName	FPKM ^a				MII:8-Cell		8-Cell:Morula		Morula:Blast		Sub-Group
			MI	8Cell	Morula	Exp. Blast	L2FC ^b	FDR ^c	L2FC	FDR	L2FC	FDR	
ENSMMUG00000014682	PLCH2	Phospholipase C Eta 2	3.85	14.84	0.15	0.07	1.89	2.15E-01	-7.26	2.88E-08	0.62	8.79E-01	M-1
ENSMMUG00000023678	PLEKHG5	Pleckstrin Homology And RhoGEF Domain Containing G5	13.64	3.56	0.36	0.44	-1.43	1.60E-01	-4.49	3.98E-07	0.31	9.10E-01	M-1
ENSMMUG00000047133			12.18	4.95	1.16	0.91	-1.37	2.76E-01	-3.73	8.78E-04	-0.15	9.72E-01	M-1
ENSMMUG00000038004			26.90	30.80	16.44	16.50	0.32	6.47E-01	-1.11	4.20E-02	0.52	6.25E-01	M-1
ENSMMUG00000042176	ERRF1	ERBB Receptor Feedback Inhibitor 1	39.81	49.83	17.36	9.15	0.04	9.72E-01	-1.90	7.34E-03	0.10	9.69E-01	M-1
ENSMMUG00000021399	RERE	Arginine-glutamic Acid Dipeptide Repeats	77.77	96.68	16.41	10.62	0.41	6.00E-01	-2.60	8.36E-06	-0.47	7.32E-01	M-1
ENSMMUG00000006225	CTNNBIP1	Catenin Beta Interacting Protein 1	17.89	17.62	5.29	9.04	-0.01	9.95E-01	-1.58	2.08E-02	0.34	8.41E-01	M-1
ENSMMUG00000006164	TMEM51	Transmembrane Protein 51	3.78	1.77	0.16	0.62	-0.85	6.57E-01	-3.48	2.18E-02	2.07	4.26E-01	M-1
ENSMMUG00000016281	PLEKHM2	Pleckstrin Homology And RUN Domain Containing M2	9.22	19.15	0.60	1.02	1.19	3.68E-01	-5.41	2.99E-07	1.51	4.38E-01	M-1
ENSMMUG00000019940	NECAP2	NECAP Endocytosis Associated 2	28.92	12.94	6.14	8.59	-1.11	1.87E-01	-1.56	4.70E-02	0.38	8.46E-01	M-1
ENSMMUG00000001420	MFAP2	Microfibril Associated Protein 2	13.07	4.02	0.30	0.12	-2.70	6.49E-02	-5.73	6.06E-05	-0.69	8.58E-01	M-1
ENSMMUG00000022437	PADI6	Peptidyl Arginine Deiminase 6	84.58	20.81	1.65	0.37	-1.74	8.07E-02	-5.09	1.07E-08	-1.94	1.67E-01	M-1
ENSMMUG00000032222	HTR1D	5-hydroxytryptamine Receptor 1D	11.95	2.93	4.89	0.21	-2.00	1.92E-01	-4.59	1.39E-03	0.30	9.53E-01	M-1
ENSMMUG00000010977	LOC718864	Transcription Elongation Factor A Protein 3	9.91	6.92	0.21	0.10	-0.26	8.74E-01	-4.77	1.84E-05	0.01	9.99E-01	M-1
ENSMMUG00000042021	ASAP3	ArfGAP With SH3 Domain, Ankyrin Repeat And PH Domain 3	1.65	0.34	0.09	0.03	-2.71	9.71E-02	-3.68	2.58E-02	-0.12	9.85E-01	M-1
ENSMMUG00000004463	GRHL3	Grainyhead Like Transcription Factor 3	57.44	33.38	2.09	4.26	-1.22	2.54E-01	-4.88	3.45E-08	1.33	4.05E-01	M-1
ENSMMUG00000018014	MACO1	Macoilin 1	50.15	46.40	7.12	4.49	-0.32	7.95E-01	-2.76	1.06E-03	-0.53	8.03E-01	M-1
ENSMMUG00000007851	SELENON	Selenoprotein N	7.46	5.07	1.08	1.54	0.10	9.61E-01	-3.42	6.41E-03	1.39	5.62E-01	M-1
ENSMMUG00000007857	PAQR7	Progesterone And AdipoQ Receptor Family Member 7	17.49	10.34	1.48	0.91	-1.07	3.32E-01	-2.31	1.54E-02	-1.24	4.58E-01	M-1
ENSMMUG00000041653			11.75	21.13	10.73	23.93	2.68	9.53E-02	-3.20	4.33E-02	2.88	2.29E-01	M-1
ENSMMUG00000000644	CEP85	Centrosomal Protein 85	30.25	14.62	4.83	4.45	-0.66	3.43E-01	-2.34	3.89E-05	0.44	7.47E-01	M-1
ENSMMUG00000000649	UBXN11	UBX Domain Protein 11	4.55	4.94	2.16	0.18	0.31	8.93E-01	-3.36	3.06E-02	-3.05	1.84E-01	M-1
ENSMMUG00000012697	ARID1A	AT-rich Interaction Domain 1A	34.59	41.26	18.11	25.09	0.42	4.62E-01	-1.09	2.34E-02	0.02	9.93E-01	M-1
ENSMMUG00000010290			128.52	167.29	83.14	66.20	0.61	3.50E-01	-1.28	2.43E-02	0.09	9.67E-01	M-1
ENSMMUG00000016893	LOC720079	Sodium/hydrogen Exchanger 1	15.39	37.13	12.82	12.36	1.24	8.84E-02	-1.80	7.74E-03	0.48	7.55E-01	M-1
ENSMMUG00000018325	GPR3	G Protein-coupled Receptor 3	2.35	3.92	0.36	0.22	-1.52	4.35E-01	-5.06	3.25E-03	-0.05	9.95E-01	M-1
ENSMMUG00000012252	STX12	Syntaxin 12	30.55	46.28	8.15	8.86	0.85	2.97E-01	-3.02	6.55E-06	0.60	6.92E-01	M-1
ENSMMUG00000018172	RPA2	Replication Protein A2	17.49	36.50	7.42	10.64	1.31	2.35E-01	-2.60	7.34E-03	0.13	9.72E-01	M-1
ENSMMUG00000017080	DNAJC8	DnaJ Heat Shock Protein Family (Hsp40) Member C8	19.87	38.78	15.46	13.18	0.97	1.46E-01	-1.30	3.70E-02	-0.33	8.27E-01	M-1
ENSMMUG00000042992	TAF12	TATA-box Binding Protein Associated Factor 12	3.19	8.66	2.00	2.02	1.52	1.20E-01	-2.37	8.02E-03	0.37	8.80E-01	M-1
ENSMMUG00000011390	LOC720327	Glucocorticoid Modulatory Element-binding Protein 1	32.01	48.52	17.02	14.93	0.35	7.22E-01	-2.07	3.26E-03	0.07	9.80E-01	M-1
ENSMMUG00000011377	EPB41	Erythrocyte Membrane Protein Band 4.1	25.53	24.81	8.29	6.03	-0.07	9.36E-01	-1.89	2.47E-04	-0.59	5.63E-01	M-1
ENSMMUG00000023438	KHDRBS1	KH RNA Binding Domain Containing, Signal Transduction Associated 1	58.25	53.22	26.19	28.52	-0.26	6.99E-01	-1.11	3.09E-02	0.47	6.47E-01	M-1
ENSMMUG00000015650	TMEM39B	Transmembrane Protein 39B	3.10	1.89	0.66	0.44	-0.07	9.58E-01	-2.11	2.16E-02	-0.61	7.78E-01	M-1

ENSMMUG0000001264	BSDC1	BSD Domain Containing 1	12.54	41.12	14.93	4.76	1.56	8.60E-02	-1.94	2.46E-02	-0.74	6.79E-01	M-1
ENSMMUG00000009940	LOC67938	Histone-binding Protein RBBP4	183.54	167.20	80.94	59.16	0.11	9.01E-01	-1.72	1.80E-03	-0.10	9.64E-01	M-1
ENSMMUG00000019743	KIAA1522	KIAA1522 Ortholog	10.26	19.78	0.83	1.45	-0.08	9.64E-01	-3.63	1.93E-03	-0.14	9.74E-01	M-1
ENSMMUG00000003267	ZNF362	Zinc Finger Protein 362	5.51	1.84	0.52	1.47	-1.68	2.77E-01	-4.71	7.21E-04	2.99	1.27E-01	M-1
ENSMMUG00000003269	PHC2	Polyhomeotic Homolog 2	5.17	1.59	0.38	0.74	-1.01	4.15E-01	-3.13	2.38E-03	1.20	5.43E-01	M-1
ENSMMUG00000010961	CLSPN	Claspin	55.51	90.04	20.34	11.04	0.59	2.10E-01	-2.02	3.17E-07	-0.77	2.23E-01	M-1
ENSMMUG00000014340	CDC48	Cell Division Cycle Associated 8	55.08	41.05	16.57	13.72	-0.05	9.72E-01	-2.00	1.12E-02	0.44	8.21E-01	M-1
ENSMMUG00000023275	MTF1	Metal Regulatory Transcription Factor 1	67.17	51.53	18.06	7.85	-0.57	4.85E-01	-1.67	1.21E-02	-1.06	3.19E-01	M-1
ENSMMUG00000023199	SF3A3	Splicing Factor 3a Subunit 3	85.95	58.73	27.51	23.02	-0.36	4.89E-01	-1.45	4.48E-04	-0.03	9.87E-01	M-1
ENSMMUG00000005836	ZFP69B	ZFP69 Zinc Finger Protein B	5.71	7.88	0.77	0.43	0.30	8.60E-01	-2.63	2.38E-02	-0.51	8.72E-01	M-1
ENSMMUG00000016199	ZFP69	ZFP69 Zinc Finger Protein	8.97	4.33	0.66	1.49	-1.82	9.17E-02	-2.55	1.16E-02	2.45	6.97E-02	M-1
ENSMMUG00000013125	RIMKLA	Ribosomal Modification Protein RimK Like Family Member A	35.27	21.64	0.44	0.28	-1.55	3.27E-01	-6.94	1.82E-07	1.96	4.15E-01	M-1
ENSMMUG00000043761	C1H1orf210	Chromosome 1 Open Reading Frame, Human C1orf210	11.49	3.78	0.36	1.85	-2.31	5.73E-02	-3.39	3.16E-03	2.07	2.41E-01	M-1
ENSMMUG00000023671	MED8	Mediator Complex Subunit 8	6.75	18.62	3.95	2.35	0.84	4.88E-01	-2.30	2.21E-02	1.37	4.23E-01	M-1
ENSMMUG00000021929	KIF2C	Kinesin Family Member 2C	10.99	16.43	4.59	5.12	0.75	2.92E-01	-2.01	9.00E-04	0.20	9.11E-01	M-1
ENSMMUG00000006582	PLK3	Polo Like Kinase 3	5.99	9.61	2.88	0.38	0.30	8.62E-01	-3.00	7.98E-03	-2.32	1.66E-01	M-1
ENSMMUG00000040001	BTBD19	BTB Domain Containing 19	4.01	3.10	0.23	0.26	0.21	9.38E-01	-5.08	4.00E-03	-1.01	8.27E-01	M-1
ENSMMUG00000037829			1.78	5.01	0.14	0.70	0.98	7.27E-01	-5.85	6.58E-03	3.54	3.07E-01	M-1
ENSMMUG00000023431	AKR1A1	Aldo-keto Reductase Family 1 Member A1	275.79	180.79	73.66	93.37	-0.89	5.52E-02	-1.04	2.06E-02	0.08	9.64E-01	M-1
ENSMMUG00000001960	GPBP1L1	GC-rich Promoter Binding Protein 1 Like 1	71.71	75.01	29.00	25.34	0.09	9.17E-01	-1.45	5.67E-03	0.13	9.40E-01	M-1
ENSMMUG00000015371	MAST2	Microtubule Associated Serine/threonine Kinase 2	5.48	11.60	2.10	1.95	1.06	2.92E-01	-2.65	1.96E-03	-0.32	8.98E-01	M-1
ENSMMUG00000020162	MKNK1	MAP Kinase Interacting Serine/threonine Kinase 1	10.64	5.60	3.61	0.82	-0.78	5.89E-01	-2.96	9.46E-03	0.58	8.43E-01	M-1
ENSMMUG00000018867	LOC709535	Cytochrome P450 4X1	1.16	3.98	0.17	0.33	2.00	3.34E-01	-4.73	8.91E-03	1.56	6.93E-01	M-1
ENSMMUG00000009282	SPATA6	Spermatogenesis Associated 6	15.57	12.51	3.42	0.48	-0.16	9.28E-01	-4.24	5.10E-05	-0.75	7.71E-01	M-1
ENSMMUG00000007611	MAGOH	Mago Homolog, Exon Junction Complex Core Component	88.60	166.88	89.19	53.57	0.67	2.26E-01	-1.20	1.43E-02	0.08	9.64E-01	M-1
ENSMMUG00000010406	PRKAA2	Protein Kinase AMP-activated Catalytic Subunit Alpha 2	11.22	6.91	1.15	6.45	-1.51	1.59E-01	-2.14	3.31E-02	2.11	1.27E-01	M-1
ENSMMUG00000002387	FGGY	FGGY Carbohydrate Kinase Domain Containing	0.71	4.21	0.47	0.27	0.32	8.49E-01	-2.60	2.80E-02	-2.30	1.90E-01	M-1
ENSMMUG00000012850	HOOK1	Hook Microtubule Tethering Protein 1	22.26	16.52	3.83	1.80	-0.79	4.31E-01	-3.80	2.19E-06	0.70	7.03E-01	M-1
ENSMMUG00000020048	EFCAB7	EF-hand Calcium Binding Domain 7	12.79	4.75	0.90	2.67	-1.22	1.71E-01	-2.23	6.08E-03	0.40	8.53E-01	M-1
ENSMMUG00000014807	GNG12	G Protein Subunit Gamma 12	27.78	16.80	2.90	1.14	-0.83	4.25E-01	-3.57	1.42E-05	0.08	9.80E-01	M-1
ENSMMUG00000047939			19.83	5.66	0.59	0.53	-1.87	1.64E-01	-3.60	3.71E-03	-0.75	8.12E-01	M-1
ENSMMUG00000020218	AK5	Adenylate Kinase 5	15.42	13.46	1.65	0.46	-0.18	9.21E-01	-3.98	3.57E-04	0.13	9.75E-01	M-1
ENSMMUG00000011987	MIGA1	Mitoguardin 1	4.55	12.04	3.55	5.41	1.38	1.48E-01	-1.82	4.24E-02	1.13	4.63E-01	M-1
ENSMMUG00000038395	DNAJB4	DnaJ Heat Shock Protein Family (Hsp40) Member B4	3.84	3.22	0.51	0.71	0.30	8.17E-01	-2.57	4.37E-03	0.70	7.30E-01	M-1
ENSMMUG00000005720	BCL10	B-cell CLL/lymphoma 10	27.44	75.06	8.16	8.33	0.75	5.52E-01	-2.95	3.01E-03	1.11	5.59E-01	M-1
ENSMMUG00000014573	DDAH1	Dimethylarginine Dimethylaminohydrolase 1	2.62	7.17	0.18	0.62	1.76	1.78E-01	-4.81	2.54E-05	0.68	8.16E-01	M-1
ENSMMUG00000031997			11.07	5.82	1.69	2.30	-0.75	6.01E-01	-2.33	4.58E-02	-0.70	8.02E-01	M-1
ENSMMUG00000017707	LRRC8B	Leucine Rich Repeat Containing 8 VRAC Subunit B	11.85	4.01	2.77	0.51	-1.22	2.69E-01	-2.32	1.71E-02	-1.96	1.65E-01	M-1

ENSMMUG00000012828	LRRC8D	Leucine Rich Repeat Containing 8 VRAC Subunit D	10.25	4.79	1.73	4.03	-1.20	2.25E-01	-1.92	3.28E-02	1.00	5.42E-01	M-1
ENSMMUG00000013939			0.68	1.37	0.11	0.00	1.94	4.92E-01	-6.43	6.68E-03	2.03	7.01E-01	M-1
ENSMMUG00000010095	GLMN	Glomulin, FKBP Associated Protein	46.21	35.91	18.25	4.55	-0.71	2.90E-01	-1.62	4.88E-03	-1.06	2.28E-01	M-1
ENSMMUG00000015924	BCAR3	BCAR3, NSP Family Adaptor Protein	9.79	2.26	0.22	0.79	-2.43	7.44E-02	-3.22	1.39E-02	1.13	6.80E-01	M-1
ENSMMUG00000013858	ABCA4	ATP Binding Cassette Subfamily A Member 4	1.56	0.88	0.05	0.18	-1.50	3.07E-01	-3.86	3.62E-03	-1.84	4.42E-01	M-1
ENSMMUG00000004240	SASS6	SAS-6 Centriolar Assembly Protein	59.00	84.75	20.70	18.16	0.83	4.26E-01	-2.34	6.69E-03	-0.11	9.72E-01	M-1
ENSMMUG000000040885			2.75	2.56	0.04	0.00	-0.26	9.33E-01	-5.23	1.52E-02	-0.98	8.66E-01	M-1
ENSMMUG000000037989			10.30	12.11	1.61	0.14	-0.55	6.65E-01	-4.06	1.60E-05	-1.72	2.92E-01	M-1
ENSMMUG000000019714	VAV3	Vav Guanine Nucleotide Exchange Factor 3	8.67	6.17	2.06	0.93	-0.61	6.29E-01	-2.49	1.14E-02	-0.12	9.74E-01	M-1
ENSMMUG000000009265	WDR47	WD Repeat Domain 47	32.54	31.76	8.93	2.94	-0.19	8.35E-01	-2.46	2.13E-05	-0.77	4.74E-01	M-1
ENSMMUG000000021544	SLC6A17	Solute Carrier Family 6 Member 17	6.74	3.04	0.17	0.15	-1.84	1.02E-01	-4.39	1.54E-05	0.05	9.90E-01	M-1
ENSMMUG000000015020	RBM15	RNA Binding Motif Protein 15	4.56	8.23	4.60	5.07	0.98	1.88E-01	-1.44	3.51E-02	0.65	6.26E-01	M-1
ENSMMUG000000018684	KCNA3	Potassium Voltage-gated Channel Subfamily A Member 3	1.37	3.45	0.01	0.05	1.23	6.15E-01	-10.97	1.43E-08	4.69	8.93E-02	M-1
ENSMMUG000000017819	PHTF1	Putative Homeodomain Transcription Factor 1	19.06	22.93	5.64	5.02	0.02	9.85E-01	-2.87	4.99E-05	0.82	5.59E-01	M-1
ENSMMUG000000019528	AP4B1	Adaptor Related Protein Complex 4 Beta 1 Subunit	11.43	7.25	3.19	2.60	-0.26	8.56E-01	-2.24	2.31E-02	0.78	7.13E-01	M-1
ENSMMUG000000001974	CSDE1	Cold Shock Domain Containing E1	373.34	287.24	116.61	72.80	-0.33	6.63E-01	-1.61	4.59E-03	-0.21	8.96E-01	M-1
ENSMMUG000000016905	TTF2	Transcription Termination Factor 2	6.14	11.55	4.64	6.81	0.81	2.46E-01	-1.33	3.47E-02	0.29	8.54E-01	M-1
ENSMMUG000000015976	TRIM45	Tripartite Motif Containing 45	8.33	3.80	0.73	0.78	-0.90	4.29E-01	-2.39	1.30E-02	0.06	9.86E-01	M-1
ENSMMUG000000016964	VTCN1	V-set Domain Containing T- cell Activation Inhibitor 1	27.48	10.97	1.28	0.36	0.22	8.96E-01	-6.34	4.62E-10	0.96	6.79E-01	M-1
ENSMMUG000000016568	HSD3B2	Hydroxy-delta-5-steroid Dehydrogenase, 3 Beta- And Steroid Delta-isomerase 2	0.47	4.26	0.04	0.10	3.53	1.15E-01	-6.41	2.40E-03	4.35	1.69E-01	M-1
ENSMMUG000000018375	NOTCH2	Notch 2	3.62	4.85	0.48	0.44	0.25	8.58E-01	-3.42	1.90E-04	-0.68	7.58E-01	M-1
ENSMMUG000000016738	POLR3GL	RNA Polymerase III Subunit G Like	14.01	9.24	2.05	7.09	-0.54	7.09E-01	-2.24	4.34E-02	2.37	1.14E-01	M-1
ENSMMUG000000007244	OTUD7B	OTU Deubiquitinase 7B	33.66	21.30	3.95	3.14	-0.49	7.54E-01	-3.05	6.06E-03	0.59	8.33E-01	M-1
ENSMMUG000000021531	ANP32E	Acidic Nuclear Phosphoprotein 32 Family Member E	14.56	27.10	17.36	21.41	0.76	1.08E-01	-1.09	1.26E-02	0.55	4.81E-01	M-1
ENSMMUG000000021388	CIART	Circadian Associated Repressor Of Transcription	43.70	19.31	6.49	1.04	-1.78	1.51E-01	-4.44	4.28E-05	0.70	8.03E-01	M-1
ENSMMUG000000010668	GOLPH3L	Golgi Phosphoprotein 3 Like	12.28	39.56	4.86	3.93	0.89	5.74E-01	-3.23	9.48E-03	1.04	6.96E-01	M-1
ENSMMUG000000010067	MINDY1	MINDY Lysine 48 Deubiquitinase 1	0.29	0.61	0.08	0.65	-0.51	8.02E-01	-3.11	4.98E-02	2.52	2.63E-01	M-1
ENSMMUG000000010075	MLLT11	MLLT11, Transcription Factor 7 Cofactor	20.79	19.73	1.84	1.28	0.22	9.16E-01	-3.46	1.10E-02	-0.07	9.89E-01	M-1
ENSMMUG000000008402	GABPB2	GA Binding Protein Transcription Factor Beta Subunit 2	1.19	2.16	0.33	0.47	0.44	7.87E-01	-5.28	5.34E-06	1.49	4.79E-01	M-1
ENSMMUG000000013170	PI4KB	Phosphatidylinositol 4- kinase Beta	6.41	9.51	5.09	2.88	0.75	4.01E-01	-1.59	3.99E-02	0.15	9.53E-01	M-1
ENSMMUG000000013172			4.46	3.54	0.54	1.04	-1.05	5.77E-01	-4.02	9.01E-03	2.88	2.06E-01	M-1
ENSMMUG000000045008	TCHH	Trichohyalin	0.21	3.04	0.02	0.06	3.08	5.02E-02	-7.56	4.84E-07	1.85	5.31E-01	M-1
ENSMMUG000000046382	SNAPIN	SNAP Associated Protein	3.90	4.63	1.27	1.42	0.13	9.47E-01	-2.70	4.31E-02	2.11	3.18E-01	M-1
ENSMMUG000000002696	GATAD2B	GATA Zinc Finger Domain Containing 2B	88.84	48.56	24.62	6.55	-0.77	2.96E-01	-1.67	8.36E-03	-1.17	2.23E-01	M-1

ENSMMUG00000016093	ADAR	Adenosine Deaminase, RNA Specific	56.24	33.16	10.79	10.57	-1.06	1.03E-01	-1.62	6.73E-03	-0.26	8.70E-01	M-1
ENSMMUG00000021312	SYT11	Synaptotagmin 11	3.91	5.06	0.85	0.17	-1.66	3.26E-01	-3.67	1.97E-02	-1.26	7.20E-01	M-1
ENSMMUG00000004901	SEMA4A	Semaphorin 4A	1.52	1.07	0.08	0.46	-1.52	4.06E-01	-4.25	7.10E-03	3.27	1.56E-01	M-1
ENSMMUG00000004902	SLC25A44	Solute Carrier Family 25 Member 44	23.27	18.98	7.33	5.45	-0.26	7.54E-01	-1.39	2.04E-02	-0.75	4.75E-01	M-1
ENSMMUG00000004490	IFI16	Interferon Gamma Inducible Protein 16	0.56	0.79	0.01	0.43	-0.86	7.69E-01	-4.44	4.98E-02	3.32	3.61E-01	M-1
ENSMMUG000000042475	PCP4L1	Purkinje Cell Protein 4 Like 1	169.69	157.50	15.91	2.66	0.20	8.82E-01	-3.79	6.23E-06	-1.21	4.32E-01	M-1
ENSMMUG00000018525	PSEN2	Presenilin 2	7.47	1.54	0.65	0.19	-1.87	6.40E-02	-5.04	1.19E-07	0.89	6.68E-01	M-1
ENSMMUG00000005129	MIXL1	Mix Paired-like Homeobox	11.31	5.00	0.70	2.05	-1.64	2.75E-01	-3.13	2.09E-02	0.74	8.20E-01	M-1
ENSMMUG000000042699	SDE2	SDE2 Telomere Maintenance Homolog	41.80	50.14	13.53	5.96	0.45	4.76E-01	-2.02	4.17E-05	-1.01	1.81E-01	M-1
ENSMMUG00000004379	DUSP10	Dual Specificity Phosphatase 10	78.94	54.08	6.61	0.78	-0.63	5.34E-01	-4.03	1.69E-07	-1.93	8.79E-02	M-1
ENSMMUG00000010176	DTL	Denticleless E3 Ubiquitin Protein Ligase Homolog	155.21	96.40	52.05	20.50	-0.51	4.09E-01	-1.13	3.20E-02	-1.07	1.48E-01	M-1
ENSMMUG00000016102	KCNH1	Potassium Voltage-gated Channel Subfamily H Member 1	9.99	11.00	1.25	1.25	0.32	8.35E-01	-4.00	5.67E-05	0.31	9.20E-01	M-1
ENSMMUG000000047787	C1H1orf74	Chromosome 1 Open Reading Frame, Human C1orf74	2.43	1.56	0.37	0.54	-0.18	9.25E-01	-2.60	3.79E-02	1.14	6.48E-01	M-1
ENSMMUG000000022170	PFKFB2	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2	13.42	18.32	2.24	6.69	-0.16	9.05E-01	-2.49	3.09E-03	0.58	7.71E-01	M-1
ENSMMUG000000023567	MAPKAPK2	Mitogen-activated Protein Kinase-activated Protein Kinase 2	23.89	22.63	7.53	2.86	-0.13	9.17E-01	-2.04	8.06E-03	-0.95	4.94E-01	M-1
ENSMMUG000000023566	DYRK3	Dual Specificity Tyrosine Phosphorylation Regulated Kinase 3	4.39	2.20	0.16	0.28	-2.01	1.74E-01	-3.83	5.47E-03	0.65	8.58E-01	M-1
ENSMMUG00000002528	EIF2D	Eukaryotic Translation Initiation Factor 2D	8.20	10.33	0.50	1.25	0.08	9.64E-01	-3.87	5.54E-04	1.54	4.53E-01	M-1
ENSMMUG00000018584	NUAK2	NUAK Family Kinase 2	0.37	3.46	0.76	1.52	2.96	7.71E-02	-4.42	5.15E-03	2.31	3.82E-01	M-1
ENSMMUG00000011236	MDM4	MDM4, P53 Regulator	24.40	35.43	16.17	15.61	0.57	3.59E-01	-1.48	4.69E-03	0.21	8.85E-01	M-1
ENSMMUG00000016563	PIK3C2B	Phosphatidylinositol-4-phosphate 3-kinase Catalytic Subunit Type 2 Beta	12.73	5.76	1.57	3.27	-1.29	2.77E-01	-2.70	9.14E-03	0.56	8.27E-01	M-1
ENSMMUG000000046860			52.42	21.48	4.15	0.42	-0.99	5.02E-01	-5.73	9.47E-07	-0.56	8.65E-01	M-1
ENSMMUG000000004268	DDX59	DEAD-box Helicase 59	15.02	10.09	1.42	1.09	-0.29	8.52E-01	-4.29	1.75E-05	0.97	6.54E-01	M-1
ENSMMUG00000010474	HMCN1	Hemicentin 1	26.78	12.54	0.92	0.16	-1.50	1.10E-01	-4.83	2.17E-09	-1.19	4.26E-01	M-1
ENSMMUG000000031286	IER5	Immediate Early Response 5	2.36	2.18	0.47	0.78	-1.14	5.47E-01	-3.89	1.38E-02	3.68	9.33E-02	M-1
ENSMMUG00000012848	XPR1	Xenotropic And Polytropic Retrovirus Receptor 1	32.30	21.09	12.95	3.90	-0.20	8.73E-01	-2.03	1.39E-02	-0.05	9.87E-01	M-1
ENSMMUG00000016033	TDRD5	Tudor Domain Containing 5	5.71	2.44	0.36	0.16	-2.15	8.67E-02	-2.51	4.12E-02	-1.76	3.85E-01	M-1
ENSMMUG000000006262	ABL2	ABL Proto-oncogene 2, Non-receptor Tyrosine Kinase	7.64	5.83	3.59	3.25	-0.15	9.05E-01	-1.76	3.55E-02	1.14	4.14E-01	M-1
ENSMMUG000000005510	TNFSF4	TNF Superfamily Member 4	0.68	1.48	0.05	0.85	-0.26	8.92E-01	-3.77	2.16E-03	1.48	5.18E-01	M-1
ENSMMUG000000007280	SUCO	SUN Domain Containing Ossification Factor	40.53	16.65	3.85	3.67	-1.04	1.29E-01	-2.32	1.22E-04	0.05	9.82E-01	M-1
ENSMMUG000000007273	DNM3	Dynamin 3	6.35	5.44	1.26	0.36	-0.31	8.51E-01	-4.92	4.33E-06	0.02	9.97E-01	M-1
ENSMMUG000000000065	CCDC181	Coiled-coil Domain Containing 181	8.16	7.16	2.17	2.26	-0.10	9.38E-01	-2.04	1.50E-02	1.03	4.95E-01	M-1
ENSMMUG000000005283	SFT2D2	SFT2 Domain Containing 2	24.95	19.85	2.42	7.86	-0.25	8.72E-01	-3.45	5.05E-04	2.47	7.54E-02	M-1
ENSMMUG00000010395	GPR161	G Protein-coupled Receptor 161	3.61	1.35	0.02	0.18	-2.62	5.19E-02	-4.20	2.35E-03	0.48	9.02E-01	M-1
ENSMMUG000000023462	ILDR2	Immunoglobulin Like Domain Containing Receptor 2	10.56	11.16	0.09	0.07	-0.28	9.01E-01	-9.33	2.08E-10	2.03	4.50E-01	M-1

ENSMMUG00000015948	MGST3	Microsomal Glutathione S-transferase 3	35.04	19.01	5.96	6.23	-0.31	8.17E-01	-3.07	7.55E-04	1.77	2.04E-01	M-1
ENSMMUG00000017722			4.58	17.69	4.25	3.01	1.69	1.63E-01	-2.56	2.36E-02	0.55	8.53E-01	M-1
ENSMMUG00000041362	GGPS1	Geranylgeranyl Diphosphate Synthase 1	17.24	17.89	8.90	2.63	0.22	7.95E-01	-2.34	5.59E-05	-0.52	6.85E-01	M-1
ENSMMUG00000015135	HEATR1	HEAT Repeat Containing 1	38.09	43.32	15.16	12.54	0.03	9.72E-01	-1.43	2.01E-02	-0.06	9.80E-01	M-1
ENSMMUG0000001060	RYR2	Ryanodine Receptor 2	1.85	1.26	0.17	0.26	-0.43	7.46E-01	-3.68	7.73E-05	1.36	4.16E-01	M-1
ENSMMUG00000002105	ZP4	Zona Pellucida Glycoprotein 4	170.65	98.18	15.23	2.93	-1.21	2.74E-01	-3.39	2.64E-04	-1.03	5.76E-01	M-1
ENSMMUG00000008270			9.03	7.55	0.30	0.45	0.63	7.40E-01	-5.98	2.19E-05	-0.95	8.05E-01	M-1
ENSMMUG00000010729	RGS7	Regulator Of G Protein Signaling 7	8.92	2.62	0.24	0.04	-2.00	2.03E-01	-5.92	7.49E-05	-1.95	4.73E-01	M-1
ENSMMUG00000004265	PLD5	Phospholipase D Family Member 5	3.74	3.79	0.55	0.46	0.23	9.00E-01	-4.60	6.01E-05	2.06	2.65E-01	M-1
ENSMMUG00000019994	SDCCAG8	Serologically Defined Colon Cancer Antigen 8	3.10	2.20	0.43	1.20	0.15	9.23E-01	-3.08	1.59E-03	0.58	8.10E-01	M-1
ENSMMUG00000017324	KIF26B	Kinesin Family Member 26B	2.87	2.43	0.06	0.04	-1.23	4.77E-01	-5.06	3.39E-04	-0.88	8.05E-01	M-1
ENSMMUG00000011380	CNST	Consortin, Connexin Sorting Protein	24.35	20.23	9.35	8.29	0.23	8.04E-01	-1.47	2.83E-02	-0.17	9.37E-01	M-1
ENSMMUG00000005946	NLRP3	NLR Family Pyrin Domain Containing 3	0.77	1.09	0.04	0.02	0.56	8.45E-01	-5.37	8.30E-03	-0.26	9.74E-01	M-1
ENSMMUG00000005955	GCSAML	Germinal Center Associated Signaling And Motility Like	2.85	4.01	0.17	0.80	0.10	9.71E-01	-6.46	7.32E-04	3.31	2.69E-01	M-1
ENSMMUG00000017095			0.97	4.78	0.27	0.03	1.16	5.30E-01	-4.20	7.55E-03	-2.11	5.07E-01	M-1
ENSMMUG00000005566			3.40	3.22	0.25	0.02	0.25	9.23E-01	-5.01	5.92E-03	-4.30	1.11E-01	M-1
ENSMMUG00000045733			0.79	2.32	0.09	0.23	1.08	4.51E-01	-6.37	2.56E-07	1.40	5.75E-01	M-1
ENSMMUG00000012609	ROBO2	Roundabout Guidance Receptor 2	1.45	0.70	0.05	0.03	-1.51	2.75E-01	-5.04	4.11E-05	-0.77	8.03E-01	M-1
ENSMMUG00000002327	ROBO1	Roundabout Guidance Receptor 1	4.97	4.08	0.09	0.18	-0.32	8.26E-01	-5.29	2.16E-08	1.38	4.34E-01	M-1
ENSMMUG00000016244	POU1F1	POU Class 1 Homeobox 1	2.92	1.46	0.23	0.11	-0.95	6.06E-01	-4.07	6.20E-03	1.16	7.43E-01	M-1
ENSMMUG00000020335	ARL13B	ADP Ribosylation Factor Like GTPase 13B	30.12	12.60	2.77	2.05	-1.11	3.09E-01	-3.13	6.69E-04	0.11	9.74E-01	M-1
ENSMMUG00000040940			5.45	7.28	1.91	1.90	0.16	8.92E-01	-2.14	5.36E-03	0.50	7.91E-01	M-1
ENSMMUG00000005977	GABRR3	Gamma-aminobutyric Acid Type A Receptor Rho3 Subunit	44.87	26.77	1.46	0.34	-1.44	2.27E-01	-5.41	1.56E-07	-1.08	6.32E-01	M-1
ENSMMUG00000017438	DCBLD2	Discoidin, CUB And LCCL Domain Containing 2	28.14	17.02	2.25	2.41	-0.27	8.36E-01	-3.19	2.83E-04	0.85	6.50E-01	M-1
ENSMMUG00000042377			7.81	4.82	0.92	0.03	-0.95	7.20E-01	-9.31	5.28E-06	1.32	8.05E-01	M-1
ENSMMUG00000002865	ABI3BP	ABI Family Member 3 Binding Protein	37.07	42.37	8.11	1.24	0.29	7.97E-01	-3.57	2.21E-06	-1.96	6.91E-02	M-1
ENSMMUG00000043192			59.08	19.44	0.45	0.38	-2.25	8.17E-02	-6.00	5.07E-07	1.03	7.12E-01	M-1
ENSMMUG00000015062	CEP97	Centrosomal Protein 97	36.21	56.56	8.09	4.88	0.25	8.01E-01	-2.88	1.28E-05	-0.48	7.68E-01	M-1
ENSMMUG00000021859	ZPLD1	Zona Pellucida Like Domain Containing 1	1.51	2.23	0.06	0.01	-1.32	5.98E-01	-5.52	7.45E-03	-1.64	7.27E-01	M-1
ENSMMUG00000020714	POLR2K	RNA Polymerase II Subunit K	51.25	76.34	54.54	21.51	0.42	6.00E-01	-1.43	2.44E-02	-0.23	8.99E-01	M-1
ENSMMUG00000019977			21.48	8.14	1.07	0.14	-1.69	1.33E-01	-3.95	6.51E-05	-1.27	5.00E-01	M-1
ENSMMUG00000000692	PLCXD2	Phosphatidylinositol Specific Phospholipase CX Domain Containing 2	2.61	2.14	0.40	2.76	0.24	8.89E-01	-3.01	7.75E-03	2.44	1.28E-01	M-1
ENSMMUG00000003061	CCDC80	Coiled-coil Domain Containing 80	3.42	5.56	0.25	0.17	-0.63	7.74E-01	-6.66	1.23E-05	2.46	3.42E-01	M-1
ENSMMUG00000013443	BOC	BOC Cell Adhesion Associated, Oncogene Regulated	1.66	0.17	0.02	0.02	-2.29	2.53E-01	-5.99	1.74E-03	0.65	9.07E-01	M-1
ENSMMUG00000013451	SPICE1	Spindle And Centriole Associated Protein 1	5.60	5.93	1.88	1.58	0.21	8.22E-01	-1.54	1.84E-02	-0.06	9.81E-01	M-1
ENSMMUG00000001949	CCDC191	Coiled-coil Domain Containing 191	3.36	2.36	0.61	0.31	-1.47	1.31E-01	-2.44	6.88E-03	-0.28	9.17E-01	M-1
ENSMMUG00000008075	IGSF11	Immunoglobulin Superfamily Member 11	38.14	17.92	3.36	0.15	-1.47	2.80E-01	-4.99	1.85E-05	-1.12	6.81E-01	M-1
ENSMMUG00000000912	CD86	CD86 Molecule	4.99	1.62	0.11	0.09	-3.21	9.84E-02	-5.00	1.42E-02	0.03	9.97E-01	M-1

ENSMMUG00000007702	SEC22A	SEC22 Homolog A, Vesicle Trafficking Protein	21.26	18.03	2.55	2.88	0.39	7.91E-01	-4.35	1.18E-05	1.17	5.54E-01	M-1
ENSMMUG00000002230	ADCY5	Adenylate Cyclase 5	1.96	0.90	0.16	0.03	-2.31	8.96E-02	-3.23	1.49E-02	-1.44	5.71E-01	M-1
ENSMMUG00000014818	MYLK	Myosin Light Chain Kinase	9.62	3.84	0.30	0.32	-1.45	2.32E-01	-4.40	1.83E-05	0.53	8.50E-01	M-1
ENSMMUG00000003851	KALRN	Kalirin RhoGEF Kinase	20.19	8.69	1.84	1.84	-1.14	2.23E-01	-3.52	8.45E-06	1.29	3.36E-01	M-1
ENSMMUG000000048732	SLC12A8	Solute Carrier Family 12 Member 8	2.60	1.61	0.09	0.10	-1.03	4.81E-01	-4.83	8.89E-05	-0.38	9.20E-01	M-1
ENSMMUG000000046064			66.00	314.47	74.47	42.35	1.77	1.13E-01	-2.37	2.35E-02	0.78	7.35E-01	M-1
ENSMMUG000000006343			8.17	3.20	0.12	0.09	-2.01	8.11E-02	-4.21	1.26E-04	-0.74	7.97E-01	M-1
ENSMMUG000000019799	GP9	Glycoprotein IX Platelet	32.86	14.91	1.11	0.12	-1.60	1.84E-01	-4.53	3.60E-05	-2.27	2.09E-01	M-1
ENSMMUG000000011585	CNBP	CCHC-type Zinc Finger Nucleic Acid Binding Protein	128.63	310.37	146.47	75.00	1.10	9.18E-02	-1.66	5.59E-03	-0.66	5.68E-01	M-1
ENSMMUG000000016793	TMCC1	Transmembrane And Coiled-coil Domain Family 1	66.41	35.13	8.51	3.85	-0.89	2.71E-01	-2.83	3.01E-05	0.14	9.59E-01	M-1
ENSMMUG000000001339	CAND2	Cullin Associated And Neddylation Dissociated 2 (putative)	2.49	1.09	0.40	0.02	-2.61	1.40E-01	-3.67	3.55E-02	-3.42	1.72E-01	M-1
ENSMMUG000000001120			5.61	7.69	0.44	0.10	-0.69	6.78E-01	-3.14	1.27E-02	-2.86	1.04E-01	M-1
ENSMMUG000000045652	BRK1	BRICK1, SCAR/WAVE Actin Nucleating Complex Subunit	14.81	21.93	8.19	13.49	0.46	4.71E-01	-1.32	1.34E-02	0.52	6.22E-01	M-1
ENSMMUG000000011231	GRM7	Glutamate Metabotropic Receptor 7	9.92	4.10	0.56	0.07	-1.34	3.49E-01	-3.85	1.68E-03	-2.78	1.43E-01	M-1
ENSMMUG000000000938	LRRN1	Leucine Rich Repeat Neuronal 1	11.85	4.65	0.84	0.30	-1.00	3.55E-01	-2.89	1.36E-03	-0.95	5.98E-01	M-1
ENSMMUG000000012661	PDZRN3	PDZ Domain Containing Ring Finger 3	2.81	1.43	0.26	0.06	-0.22	9.17E-01	-4.59	4.89E-04	-1.08	7.21E-01	M-1
ENSMMUG000000008628	LMOD3	Leiomodin 3	63.79	41.60	2.95	0.31	-0.74	4.90E-01	-4.66	1.86E-08	-2.02	1.04E-01	M-1
ENSMMUG000000046166			5.06	5.36	0.75	4.44	0.44	8.57E-01	-3.55	3.73E-02	2.75	2.92E-01	M-1
ENSMMUG000000000265	ADAMTS9	ADAM Metallopeptidase With Thrombospondin Type 1 Motif9	21.23	12.13	1.40	0.13	-1.57	1.17E-01	-4.05	4.67E-06	-1.94	1.66E-01	M-1
ENSMMUG0000000031902	CADPS	Calcium Dependent Secretion Activator	2.00	1.51	0.52	0.17	-0.63	7.24E-01	-3.45	8.99E-03	0.77	8.12E-01	M-1
ENSMMUG000000006432	PXK	PX Domain Containing Serine/threonine Kinase Like	22.03	13.78	2.63	4.60	-1.04	2.58E-01	-2.32	3.80E-03	0.15	9.61E-01	M-1
ENSMMUG000000015322	DNAH12	Dynein Axonemal Heavy Chain 12	5.56	2.87	1.55	0.43	-0.84	3.89E-01	-2.35	4.14E-03	-0.87	5.87E-01	M-1
ENSMMUG0000000021008	ASB14	Ankyrin Repeat And SOCS Box Containing 14	0.53	1.35	0.34	0.13	1.67	2.84E-01	-3.98	5.95E-03	0.26	9.64E-01	M-1
ENSMMUG000000016602	IL17RD	Interleukin 17 Receptor D	6.05	6.09	0.11	0.28	-1.86	1.76E-01	-4.90	1.06E-04	0.27	9.52E-01	M-1
ENSMMUG000000010163	ARHGEF3	Rho Guanine Nucleotide Exchange Factor 3	34.86	31.15	4.95	1.93	-0.26	8.24E-01	-3.37	1.02E-05	-0.54	7.75E-01	M-1
ENSMMUG000000021620	ERC2	ELKS/RAB6-interacting/CAST Family Member 2	1.94	1.75	0.54	0.35	-0.64	6.62E-01	-3.21	3.66E-03	0.98	6.79E-01	M-1
ENSMMUG0000000039456			3.70	2.50	1.20	0.00	-8.69	5.33E-02	-18.20	1.11E-05	5.09	5.29E-01	M-1
ENSMMUG000000011208	DCP1A	Decapping MRNA 1A	27.79	16.37	9.29	5.22	-0.97	1.71E-01	-1.38	3.49E-02	-0.48	7.33E-01	M-1
ENSMMUG000000005619	NISCH	Nischarin	10.96	8.59	2.62	2.55	-0.47	7.02E-01	-2.83	1.73E-03	0.47	8.41E-01	M-1
ENSMMUG000000027061	MIRLET7G	MicroRNA Let-7g	1.32	15.83	9.82	5.91	4.24	1.41E-01	-5.95	3.33E-02	2.60	6.25E-01	M-1
ENSMMUG000000005596	ALAS1	5'-aminolevulinatase Synthase 1	159.36	40.41	6.39	4.08	-1.72	5.36E-02	-3.23	6.40E-05	-0.30	9.02E-01	M-1
ENSMMUG000000005300			44.32	45.93	8.46	4.22	0.07	9.61E-01	-3.40	2.32E-04	0.00	1.00E+00	M-1
ENSMMUG000000007022	CACNA2D2	Calcium Voltage-gated Channel Auxiliary Subunit Alpha2delta 2	3.91	7.16	0.13	0.10	-0.31	8.54E-01	-6.18	1.31E-08	-0.21	9.63E-01	M-1
ENSMMUG000000020120	NAT6	N-acetyltransferase 6	0.88	2.51	0.29	0.86	1.69	3.72E-01	-5.36	1.06E-03	3.83	9.56E-02	M-1
ENSMMUG0000000031780	NICN1	Nicolin 1	2.30	6.70	1.18	3.08	1.93	1.51E-01	-2.86	2.08E-02	1.54	4.78E-01	M-1
ENSMMUG000000014720	NCKIPSD	NCK Interacting Protein With SH3 Domain	5.52	9.68	1.14	1.94	1.76	2.46E-01	-4.72	2.53E-04	1.57	5.23E-01	M-1
ENSMMUG000000043325	TMEM89	Transmembrane Protein 89	0.49	1.03	0.14	0.41	0.45	8.18E-01	-4.19	2.78E-03	3.42	6.49E-02	M-1

ENSMMUG0000003823	MAP4	Microtubule Associated Protein 4	28.03	25.52	11.76	18.77	-0.23	7.45E-01	-1.13	3.41E-02	0.13	9.39E-01	M-1
ENSMMUG00000031732	CSPG5	Chondroitin Sulfate Proteoglycan 5	0.46	1.64	0.25	0.16	0.74	7.54E-01	-5.44	2.01E-03	1.52	6.80E-01	M-1
ENSMMUG00000014046	SCAP	SREBF Chaperone	9.52	7.59	3.53	2.11	-0.12	9.17E-01	-2.26	2.71E-03	0.07	9.79E-01	M-1
ENSMMUG00000014045	PTPN23	Protein Tyrosine Phosphatase, Non-receptor Type 23	2.01	9.58	2.65	3.93	1.99	5.56E-02	-2.24	2.59E-02	0.60	8.03E-01	M-1
ENSMMUG00000010516	LZTFL1	Leucine Zipper Transcription Factor Like 1	31.28	11.69	1.75	2.25	-1.53	8.63E-02	-3.22	6.17E-05	1.21	3.93E-01	M-1
ENSMMUG00000017585	ZNF197	Zinc Finger Protein 197	0.97	1.68	0.45	0.80	0.49	6.30E-01	-2.16	5.30E-03	1.33	2.71E-01	M-1
ENSMMUG0000001029	ANO10	Anoctamin 10	24.21	17.85	3.75	4.60	-0.59	5.69E-01	-3.10	1.02E-04	0.25	9.19E-01	M-1
ENSMMUG00000014627	CTNNB1	Catenin Beta 1	52.15	30.06	14.72	32.86	-0.57	4.45E-01	-1.39	2.91E-02	1.13	2.30E-01	M-1
ENSMMUG00000040036	EIF1B	Eukaryotic Translation Initiation Factor 1B	11.04	18.94	6.47	3.34	0.83	2.55E-01	-2.04	1.08E-03	-0.61	6.41E-01	M-1
ENSMMUG00000017701	MYRIP	Myosin VIIA And Rab Interacting Protein	7.54	3.35	0.35	0.16	-1.67	9.61E-02	-4.39	1.32E-06	0.12	9.73E-01	M-1
ENSMMUG00000022532	EPM2AIP1	EPM2A Interacting Protein 1	3.88	13.76	2.61	1.99	1.71	1.64E-01	-3.30	2.61E-03	0.52	8.59E-01	M-1
ENSMMUG00000017564	TBCCD1	TBCC Domain Containing 1	0.71	3.58	1.93	1.00	2.11	6.19E-02	-2.43	2.65E-02	0.73	7.71E-01	M-1
ENSMMUG00000013610	ETV5	ETS Variant 5	22.43	11.34	2.40	1.10	-1.16	3.30E-01	-3.00	3.04E-03	-1.09	5.80E-01	M-1
ENSMMUG00000000430	C2H3orf70	Chromosome 2 C3orf70 Homolog	8.30	26.51	0.23	0.18	1.15	5.65E-01	-5.60	3.85E-04	-1.38	7.07E-01	M-1
ENSMMUG00000003594	USP13	Ubiquitin Specific Peptidase 13	2.87	4.32	2.02	0.37	0.74	6.02E-01	-2.52	2.64E-02	-2.54	1.06E-01	M-1
ENSMMUG00000005188	PIK3CA	Phosphatidylinositol-4,5-bisphosphate 3-kinase Catalytic Subunit Alpha	28.35	14.87	6.26	4.47	-0.68	5.07E-01	-2.25	6.47E-03	-0.60	7.53E-01	M-1
ENSMMUG00000004671	NLGN1	Neurologin 1	0.36	2.22	0.25	0.01	-0.56	8.58E-01	-4.84	3.12E-02	-3.58	3.08E-01	M-1
ENSMMUG00000022196	GPR160	G Protein-coupled Receptor 160	39.10	18.83	4.99	2.56	-1.27	1.81E-01	-2.64	1.70E-03	-0.11	9.73E-01	M-1
ENSMMUG00000023337	PFN2	Profilin 2	76.65	50.89	18.15	17.85	-0.48	6.40E-01	-2.67	5.55E-04	1.16	3.89E-01	M-1
ENSMMUG00000017239	MED12L	Mediator Complex Subunit 12 Like	9.65	7.06	2.22	1.04	-0.49	6.34E-01	-1.74	3.20E-02	-0.54	7.71E-01	M-1
ENSMMUG00000018341	PLCH1	Phospholipase C Eta 1	7.71	2.02	0.64	0.08	-2.13	8.30E-02	-3.48	2.32E-03	-1.96	2.88E-01	M-1
ENSMMUG00000042616			2.09	1.17	0.24	0.28	-0.59	6.86E-01	-2.36	4.37E-02	0.74	7.91E-01	M-1
ENSMMUG00000000366	TIPARP	TCDD Inducible Poly(ADP-ribose) Polymerase	44.55	28.06	6.74	2.30	-1.03	3.62E-01	-3.70	6.16E-05	0.09	9.81E-01	M-1
ENSMMUG00000004958	MLF1	Myeloid Leukemia Factor 1	10.49	10.93	6.60	1.03	0.24	8.73E-01	-3.10	1.50E-03	-0.42	8.82E-01	M-1
ENSMMUG00000010488	COQ10B	Coenzyme Q10B	38.21	21.99	12.88	6.48	-0.26	8.10E-01	-2.15	3.80E-03	0.32	8.76E-01	M-1
ENSMMUG00000008643	GTF3C3	General Transcription Factor IIIC Subunit 3	75.68	58.52	16.17	25.87	-0.49	5.86E-01	-1.74	1.50E-02	0.87	4.94E-01	M-1
ENSMMUG00000015970	CCDC150	Coiled-coil Domain Containing 150	6.49	7.93	1.76	0.70	0.71	4.55E-01	-3.04	5.40E-05	0.02	9.95E-01	M-1
ENSMMUG00000005622	DNAH7	Dynein Axonemal Heavy Chain 7	2.76	3.03	0.64	0.14	-0.21	8.74E-01	-2.97	4.58E-04	-2.12	7.54E-02	M-1
ENSMMUG00000005621	SLC39A10	Solute Carrier Family 39 Member 10	48.48	36.49	9.96	12.42	-0.17	8.21E-01	-2.65	7.96E-08	0.98	2.15E-01	M-1
ENSMMUG00000021755	PLSCR1	Phospholipid Scramblase 1	0.89	0.14	0.85	1.18	-2.58	8.73E-02	-3.19	4.79E-02	3.54	7.03E-02	M-1
ENSMMUG00000009694	SLC9A9	Solute Carrier Family 9 Member A9	11.29	3.20	0.80	0.11	-2.39	6.51E-02	-3.84	2.24E-03	-1.61	4.98E-01	M-1
ENSMMUG00000019697	PXYLP1	2-phosphoxylose Phosphatase 1	11.53	6.77	0.86	0.27	-0.79	5.04E-01	-4.53	8.02E-07	-1.28	4.63E-01	M-1
ENSMMUG00000021392			12.11	22.42	0.70	0.17	-0.04	9.85E-01	-5.98	2.21E-06	-1.47	5.45E-01	M-1
ENSMMUG00000000287	NMNAT3	Nicotinamide Nucleotide Adenylyltransferase 3	4.43	3.08	0.56	0.34	-1.40	4.29E-01	-4.58	1.90E-03	1.51	6.05E-01	M-1
ENSMMUG00000000290	RBP1	Retinol Binding Protein 1	41.81	24.51	0.50	0.41	-0.54	7.72E-01	-5.28	6.91E-05	0.86	8.03E-01	M-1
ENSMMUG00000007757	ESYT3	Extended Synaptotagmin 3	5.41	1.65	0.16	0.18	-1.66	2.10E-01	-3.55	2.75E-03	0.09	9.84E-01	M-1
ENSMMUG00000021285	ARMC8	Armadillo Repeat Containing 8	41.39	18.13	10.22	7.25	-1.07	5.57E-02	-1.49	4.49E-03	0.11	9.56E-01	M-1
ENSMMUG00000019854	TMEM108	Transmembrane Protein 108	10.50	5.72	0.55	0.06	-1.72	1.10E-01	-4.04	5.57E-05	-2.48	1.30E-01	M-1
ENSMMUG00000003277	CPNE4	Copine 4	1.58	0.90	0.19	0.04	-0.97	6.10E-01	-3.17	4.46E-02	-1.50	6.33E-01	M-1
ENSMMUG00000011361	DAZL	Deleted In Azoospermia Like	100.46	51.96	16.24	1.10	-0.82	4.40E-01	-3.85	4.19E-06	-1.58	2.41E-01	M-1

ENSMMUG00000019009	SATB1	SATB Homeobox 1	4.87	25.02	3.63	1.11	1.72	6.20E-02	-3.64	1.22E-05	-1.57	2.39E-01	M-1
ENSMMUG00000006992	RAB5A	RAB5A, Member RAS Oncogene Family	58.93	66.22	32.21	19.63	0.27	7.79E-01	-1.91	4.34E-03	0.22	9.11E-01	M-1
ENSMMUG00000046095			17.95	3.29	2.53	0.10	-1.74	3.66E-01	-4.56	1.07E-02	-2.62	3.88E-01	M-1
ENSMMUG00000007371	TOP2B	DNA Topoisomerase II Beta	106.16	66.67	26.10	30.57	-0.71	3.74E-01	-1.86	5.19E-03	1.20	2.39E-01	M-1
ENSMMUG000000019324	NEK10	NIMA Related Kinase 10	1.94	2.84	0.27	0.06	0.35	8.75E-01	-3.42	2.36E-02	-2.53	3.00E-01	M-1
ENSMMUG000000019327	SLC4A7	Solute Carrier Family 4 Member 7	12.00	12.22	2.46	1.73	-0.10	9.38E-01	-2.62	8.17E-04	-1.16	3.94E-01	M-1
ENSMMUG000000031449	ZCWPW2	Zinc Finger CW-type And PWWP Domain Containing 2	1.75	0.35	0.99	0.19	-1.76	2.64E-01	-3.52	2.36E-02	2.43	3.12E-01	M-1
ENSMMUG00000004404	RBMS3	RNA Binding Motif Single Stranded Interacting Protein 3	1.36	0.30	0.45	0.06	-2.87	1.11E-01	-3.67	4.46E-02	-0.04	9.96E-01	M-1
ENSMMUG000000008610	OSBPL10	Oxysterol Binding Protein Like 10	49.50	40.40	4.43	0.85	-0.19	9.00E-01	-4.23	3.46E-06	-1.09	5.52E-01	M-1
ENSMMUG000000039767			0.80	14.27	0.08	0.00	3.54	1.60E-01	-7.49	1.54E-03	2.17	6.79E-01	M-1
ENSMMUG000000003702	EIF4A2	Eukaryotic Translation Initiation Factor 4A2	243.99	295.21	102.81	84.23	0.12	8.75E-01	-1.61	7.69E-04	-0.25	8.38E-01	M-1
ENSMMUG000000040213	TPRG1	Tumor Protein P63 Regulated 1	3.46	5.14	0.72	0.08	-0.31	8.69E-01	-3.96	1.54E-03	-3.23	6.11E-02	M-1
ENSMMUG000000016466	TP63	Tumor Protein P63	23.79	33.43	0.88	0.29	-0.08	9.62E-01	-6.73	1.09E-12	0.37	9.00E-01	M-1
ENSMMUG000000015330	CCDC50	Coiled-coil Domain Containing 50	384.80	153.64	44.58	28.11	-1.30	5.53E-02	-1.98	1.67E-03	-0.40	7.99E-01	M-1
ENSMMUG000000039446	HES1	Hes Family BHLH Transcription Factor 1	1.06	1.42	0.80	0.52	1.10	6.17E-01	-5.58	1.56E-03	1.44	7.07E-01	M-1
ENSMMUG00000004035	RNF168	Ring Finger Protein 168	34.31	58.95	13.86	14.59	0.50	2.73E-01	-1.82	1.65E-06	0.06	9.67E-01	M-1
ENSMMUG000000006623			4.22	5.61	1.62	3.29	-0.25	8.53E-01	-1.93	3.84E-02	1.25	4.25E-01	M-1
ENSMMUG000000000051	LMLN	Leishmanolysin Like Peptidase	0.97	1.49	1.17	1.77	0.00	9.99E-01	-2.39	4.49E-02	2.55	1.10E-01	M-1
ENSMMUG000000012624	PCGF3	Polycomb Group Ring Finger 3	18.74	30.62	6.84	5.94	0.25	8.34E-01	-2.30	3.92E-03	0.11	9.69E-01	M-1
ENSMMUG000000017221	TMEM175	Transmembrane Protein 175	4.16	2.81	0.33	0.78	-0.36	8.21E-01	-3.63	8.04E-04	1.61	4.00E-01	M-1
ENSMMUG000000032300	FGFRL1	Fibroblast Growth Factor Receptor Like 1	11.65	11.77	3.62	0.90	-0.62	6.15E-01	-2.92	2.01E-03	-1.17	5.10E-01	M-1
ENSMMUG000000011191	TACC3	Transforming Acidic Coiled-coil Containing Protein 3	75.28	97.07	11.90	10.75	0.68	4.83E-01	-4.16	1.73E-08	0.66	6.94E-01	M-1
ENSMMUG000000046942	NSD2	Nuclear Receptor Binding SET Domain Protein 2	20.75	20.11	4.19	4.33	0.09	9.22E-01	-2.77	3.81E-07	0.42	7.51E-01	M-1
ENSMMUG000000009944	NELFA	Negative Elongation Factor Complex Member A	20.02	25.46	6.20	4.85	0.33	7.64E-01	-2.18	5.10E-03	0.00	9.99E-01	M-1
ENSMMUG000000007948	RNF4	Ring Finger Protein 4	35.14	59.67	31.11	29.13	0.51	4.05E-01	-1.16	2.60E-02	0.10	9.56E-01	M-1
ENSMMUG000000013158	FAM193A	Family With Sequence Similarity 193 Member A	91.38	79.78	13.08	10.79	-0.47	6.39E-01	-2.83	1.31E-04	-0.17	9.51E-01	M-1
ENSMMUG000000023394	ZBTB49	Zinc Finger And BTB Domain Containing 49	34.91	29.39	0.78	1.78	-0.30	8.56E-01	-5.22	6.38E-07	1.21	5.69E-01	M-1
ENSMMUG000000020203	NSG1	Neuronal Vesicle Trafficking Associated 1	1.97	7.30	0.99	0.59	1.16	4.59E-01	-3.47	7.12E-03	0.61	8.59E-01	M-1
ENSMMUG000000013414	WFS1	Wolframin ER Transmembrane Glycoprotein	7.91	12.47	1.22	1.98	0.91	4.41E-01	-3.36	3.90E-04	0.86	6.79E-01	M-1
ENSMMUG000000013416	PPP2R2C	Protein Phosphatase 2 Regulatory Subunit Bgamma	3.50	1.99	0.79	0.02	-0.69	6.70E-01	-5.89	2.38E-06	-1.09	7.18E-01	M-1
ENSMMUG000000017000	TBC1D14	TBC1 Domain Family Member 14	49.97	45.17	7.23	10.23	-0.16	8.88E-01	-2.90	3.57E-05	0.56	7.31E-01	M-1
ENSMMUG000000013984	ABLIM2	Actin Binding LIM Protein Family Member 2	1.43	0.68	0.11	0.03	-2.98	1.40E-01	-6.70	7.69E-04	1.05	8.40E-01	M-1
ENSMMUG000000022672	HTRA3	HtrA Serine Peptidase 3	11.06	35.70	0.80	0.11	1.36	4.27E-01	-6.58	2.05E-06	-1.52	6.22E-01	M-1
ENSMMUG000000017670	PACRGL	Parkin Coregulated Like	535.23	343.26	139.65	12.73	-0.79	4.31E-01	-3.79	1.59E-06	-0.22	9.33E-01	M-1
ENSMMUG000000030380	KCNIP4	Potassium Voltage-gated Channel Interacting Protein 4	18.11	7.82	1.19	0.72	-0.90	4.41E-01	-3.79	5.50E-05	0.43	8.70E-01	M-1
ENSMMUG00000004785	CCDC149	Coiled-coil Domain Containing 149	7.10	3.16	0.31	0.02	-2.18	1.06E-01	-4.87	1.04E-04	-2.72	1.60E-01	M-1

ENSMMUG00000015828	RBPJ	Recombination Signal Binding Protein For Immunoglobulin Kappa J Region	19.68	30.33	14.44	16.43	0.41	5.14E-01	-1.44	4.34E-03	1.08	1.35E-01	M-1
ENSMMUG00000038991	LOC100430932	Ubiquitin-conjugating Enzyme E2 D2-like	10.69	12.95	5.80	5.95	-0.03	9.79E-01	-2.40	1.22E-03	1.34	2.50E-01	M-1
ENSMMUG00000006871	ARAP2	ArfGAP With RhoGAP Domain, Ankyrin Repeat And PH Domain 2	5.68	4.71	0.76	0.30	-0.84	5.02E-01	-4.23	1.96E-05	-0.55	8.31E-01	M-1
ENSMMUG00000020324	SMIM14	Small Integral Membrane Protein 14	22.57	22.46	1.93	0.88	-0.45	7.98E-01	-5.04	2.42E-05	0.97	7.29E-01	M-1
ENSMMUG00000012563	APBB2	Amyloid Beta Precursor Protein Binding Family B Member 2	8.03	7.70	6.08	6.63	-0.23	8.52E-01	-1.75	4.27E-02	1.67	1.70E-01	M-1
ENSMMUG00000017733	ATP8A1	ATPase Phospholipid Transporting 8A1	11.01	7.26	2.69	0.57	-0.54	7.05E-01	-3.63	4.04E-04	0.72	7.71E-01	M-1
ENSMMUG00000015350	HELQ	Helicase, POLQ Like	9.64	8.90	5.50	3.81	-0.40	6.32E-01	-1.58	1.47E-02	0.02	9.94E-01	M-1
ENSMMUG00000022312	COPS4	COP9 Signalosome Subunit 4	22.35	15.04	7.10	7.76	-0.82	2.06E-01	-1.22	4.03E-02	-0.30	8.37E-01	M-1
ENSMMUG00000019859	PRKG2	Protein Kinase, CGMP-dependent, Type II	1.89	0.30	0.10	0.01	-2.09	1.77E-01	-5.50	7.68E-04	0.11	9.86E-01	M-1
ENSMMUG00000021988	NAA11	N(alpha)-acetyltransferase 11, NatA Catalytic Subunit	129.45	173.59	32.72	11.78	0.15	8.93E-01	-2.35	9.80E-04	-0.81	5.54E-01	M-1
ENSMMUG00000005958			18.24	14.25	3.23	2.15	-0.46	6.16E-01	-2.93	1.84E-05	0.01	9.99E-01	M-1
ENSMMUG00000000914	CCNG2	Cyclin G2	14.74	7.87	8.26	3.76	-0.96	2.51E-01	-1.84	1.31E-02	0.81	5.64E-01	M-1
ENSMMUG00000019904	CCNI	Cyclin I	199.25	187.12	45.68	49.14	-0.60	4.75E-01	-2.36	4.09E-04	0.63	6.58E-01	M-1
ENSMMUG000000039147			12.34	42.51	12.62	8.60	1.29	2.37E-01	-2.29	1.89E-02	0.48	8.47E-01	M-1
ENSMMUG00000020910	NUP54	Nucleoporin 54	91.97	52.67	21.55	20.15	-0.93	2.79E-01	-1.62	3.55E-02	0.57	7.32E-01	M-1
ENSMMUG00000020907	ART3	ADP-ribosyltransferase 3	1.80	0.57	0.02	0.05	-3.33	1.00E-01	-4.14	4.30E-02	2.33	5.47E-01	M-1
ENSMMUG00000002314	AREG	Amphiregulin	0.43	5.24	0.03	0.01	1.39	5.45E-01	-4.89	1.09E-02	0.13	9.86E-01	M-1
ENSMMUG00000017977	ADAMTS3	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 3	7.70	2.66	0.62	0.75	-1.41	2.26E-01	-3.24	1.41E-03	1.02	6.19E-01	M-1
ENSMMUG00000003726	PTPN13	Protein Tyrosine Phosphatase, Non-receptor Type 13	10.02	2.41	0.32	1.14	-1.96	5.69E-02	-3.60	1.36E-04	1.87	1.99E-01	M-1
ENSMMUG000000039241			5.82	9.36	2.85	1.39	0.00	9.98E-01	-2.45	2.32E-03	0.16	9.58E-01	M-1
ENSMMUG00000014076	AFF1	AF4/FMR2 Family Member 1	157.70	127.73	37.65	20.44	-0.57	4.12E-01	-1.58	5.70E-03	-0.95	2.93E-01	M-1
ENSMMUG00000010316	HERC5	HECT And RLD Domain Containing E3 Ubiquitin Protein Ligase 5	22.69	15.62	14.03	1.30	-0.19	8.66E-01	-2.21	2.66E-03	-1.29	2.62E-01	M-1
ENSMMUG00000010141	FAM13A	Family With Sequence Similarity 13 Member A	143.39	84.55	6.29	1.20	-1.22	1.42E-01	-4.75	1.53E-11	-1.03	4.32E-01	M-1
ENSMMUG00000006309	UNC5C	Unc-5 Netrin Receptor C	6.67	1.07	0.12	0.05	-2.65	8.73E-02	-3.33	3.55E-02	-2.81	2.54E-01	M-1
ENSMMUG00000013502	STPG2	Sperm Tail PG-rich Repeat Containing 2	7.88	8.13	1.07	0.09	-0.09	9.60E-01	-4.73	6.65E-05	-1.75	4.45E-01	M-1
ENSMMUG00000011201	UBE2D3	Ubiquitin Conjugating Enzyme E2 D3	860.07	#####	326.31	116.87	0.40	6.15E-01	-2.70	2.82E-06	-0.57	6.48E-01	M-1
ENSMMUG00000019083	SLC9B2	Solute Carrier Family 9 Member B2	2.03	0.59	0.30	0.10	-1.81	1.29E-01	-3.16	4.11E-03	-1.22	5.67E-01	M-1
ENSMMUG00000019085	BDH2	3-hydroxybutyrate Dehydrogenase 2	11.24	3.26	0.46	0.28	-1.19	4.26E-01	-4.20	7.13E-04	-2.81	1.26E-01	M-1
ENSMMUG00000018811	GSTCD	Glutathione S-transferase C-terminal Domain Containing	5.96	2.40	0.98	1.84	-0.87	3.69E-01	-1.70	4.50E-02	1.13	4.23E-01	M-1
ENSMMUG00000011722	INTS12	Integrator Complex Subunit 12	35.82	20.74	5.75	3.05	-0.66	4.84E-01	-2.32	2.26E-03	-1.00	4.67E-01	M-1
ENSMMUG00000011660	CXXC4	CXXC Finger Protein 4	1.51	2.85	0.35	0.08	-1.18	4.18E-01	-2.84	2.21E-02	-0.48	8.94E-01	M-1
ENSMMUG00000019907	PAPSS1	3'-phosphoadenosine 5'-phosphosulfate Synthase 1	39.30	14.82	3.49	6.35	-1.23	1.75E-01	-3.32	1.92E-05	1.21	3.67E-01	M-1
ENSMMUG00000014077			4.92	5.92	4.59	1.10	0.16	8.94E-01	-1.66	4.03E-02	-0.64	7.08E-01	M-1
ENSMMUG00000044427			12.64	38.51	7.30	1.03	1.48	1.15E-01	-3.46	3.12E-05	-2.11	7.92E-02	M-1
ENSMMUG00000009819	BBS7	Bardet-Biedl Syndrome 7	5.92	4.97	1.43	2.65	-0.16	9.22E-01	-3.35	8.66E-04	2.22	1.30E-01	M-1

ENSMMUG00000004572	ADAD1	Adenosine Deaminase Domain Containing 1	181.88	112.30	12.86	1.85	-1.19	2.20E-01	-3.54	1.55E-05	-1.87	1.25E-01	M-1
ENSMMUG000000038364			32.94	30.28	8.14	16.47	-0.34	8.30E-01	-2.71	1.30E-02	1.97	2.36E-01	M-1
ENSMMUG00000022355	CLGN	Calmegin	1.97	1.20	1.54	0.43	-0.78	7.00E-01	-3.65	1.99E-02	1.98	4.63E-01	M-1
ENSMMUG00000010444	RNF150	Ring Finger Protein 150	1.10	0.85	0.04	0.02	0.50	8.72E-01	-5.01	2.35E-02	-0.17	9.84E-01	M-1
ENSMMUG00000003697	INPP4B	Inositol Polyphosphate-4-phosphatase Type II B	18.76	10.22	2.42	0.20	-1.46	1.63E-01	-3.76	4.33E-05	-1.46	3.71E-01	M-1
ENSMMUG00000004432	ANAPC10	Anaphase Promoting Complex Subunit 10	43.66	46.65	15.61	15.35	0.22	8.49E-01	-1.69	3.35E-02	-0.57	7.45E-01	M-1
ENSMMUG00000014953	ARHGAP10	Rho GTPase Activating Protein 10	30.18	16.40	3.85	5.98	-0.40	7.30E-01	-2.80	7.71E-04	0.75	6.79E-01	M-1
ENSMMUG00000014955	NR3C2	Nuclear Receptor Subfamily 3 Group C Member 2	34.30	42.06	13.14	1.50	-0.26	8.54E-01	-4.40	1.19E-06	-0.66	7.68E-01	M-1
ENSMMUG00000041800	FAM160A1	Family With Sequence Similarity 160 Member A1	33.96	33.07	3.84	0.39	0.11	9.39E-01	-5.54	1.46E-10	-0.34	8.98E-01	M-1
ENSMMUG00000014024	DCHS2	Dachsous Cadherin-related 2	2.36	2.25	0.20	0.03	-0.49	7.40E-01	-5.52	2.41E-07	-0.80	7.61E-01	M-1
ENSMMUG00000021147	RBM46	RNA Binding Motif Protein 46	42.25	24.30	7.76	5.27	-0.70	3.38E-01	-2.12	4.42E-04	-0.07	9.76E-01	M-1
ENSMMUG00000004647	RXFP1	Relaxin/insulin Like Family Peptide Receptor 1	0.10	0.92	0.27	0.05	3.92	6.61E-02	-6.84	1.10E-03	-0.69	9.09E-01	M-1
ENSMMUG00000030046	FNIP2	Folliculin Interacting Protein 2	2.34	1.26	0.15	1.46	-0.73	6.99E-01	-4.76	9.06E-04	2.93	1.79E-01	M-1
ENSMMUG00000041688	MARCH1	Membrane Associated Ring-CH-type Finger 1	1.46	1.29	0.65	0.44	-1.21	3.94E-01	-3.00	1.51E-02	1.72	4.23E-01	M-1
ENSMMUG000000039808			0.91	3.34	0.63	0.62	2.55	2.23E-01	-4.12	3.52E-02	-0.09	9.91E-01	M-1
ENSMMUG000000039189			3.27	22.70	1.86	1.12	1.72	6.41E-02	-2.90	6.88E-04	0.33	8.98E-01	M-1
ENSMMUG00000040113	MFAP3L	Microfibril Associated Protein 3 Like	5.19	3.74	0.85	0.72	-0.46	7.95E-01	-4.23	4.10E-04	1.88	3.53E-01	M-1
ENSMMUG00000012175	PRIMPOL	Primase And DNA Directed Polymerase	6.03	3.94	1.23	1.65	-0.21	9.18E-01	-2.62	4.80E-02	0.85	7.78E-01	M-1
ENSMMUG00000012177	ACSL1	Acyl-CoA Synthetase Long Chain Family Member 1	3.75	1.98	0.59	0.09	-1.33	2.38E-01	-2.67	8.43E-03	-1.26	5.12E-01	M-1
ENSMMUG00000003518	SNX25	Sorting Nexin 25	31.73	17.17	5.16	1.23	-0.84	4.84E-01	-2.95	2.32E-03	-1.29	4.55E-01	M-1
ENSMMUG00000015407	PDLIM3	PDZ And LIM Domain 3	1.27	0.44	0.03	0.05	-1.05	5.67E-01	-6.48	2.57E-05	1.83	5.40E-01	M-1
ENSMMUG00000015733	SORBS2	Sorbin And SH3 Domain Containing 2	1.96	2.95	0.18	2.54	0.30	8.64E-01	-3.69	1.58E-03	3.03	5.45E-02	M-1
ENSMMUG00000015803	PRMT2	Protein Arginine Methyltransferase 2	9.37	5.71	0.27	0.50	-1.88	1.27E-01	-3.72	9.94E-04	-0.48	8.81E-01	M-1
ENSMMUG00000038468			2.70	7.86	0.86	1.24	2.26	2.44E-01	-8.01	9.76E-06	4.58	6.96E-02	M-1
ENSMMUG00000009288	PKNOX1	PBX/knotted 1 Homeobox 1	34.68	100.73	19.28	14.70	0.63	6.76E-01	-3.33	2.71E-03	0.79	7.63E-01	M-1
ENSMMUG00000018085	SLC37A1	Solute Carrier Family 37 Member 1	12.50	7.06	0.43	0.38	-1.57	1.82E-01	-4.27	2.66E-05	-0.04	9.93E-01	M-1
ENSMMUG00000018084	RSPH1	Radial Spoke Head 1 Homolog	0.43	2.54	0.13	0.32	1.26	6.47E-01	-6.07	5.15E-03	3.70	2.69E-01	M-1
ENSMMUG00000018081	UBASH3A	Ubiquitin Associated And SH3 Domain Containing A	2.29	0.59	0.01	0.02	-2.11	2.38E-01	-7.99	2.95E-06	1.30	7.52E-01	M-1
ENSMMUG00000018046	LOC722502	PR Domain Zinc Finger Protein 15-like	4.47	7.63	0.66	1.42	-0.73	6.42E-01	-2.53	4.73E-02	-0.11	9.81E-01	M-1
ENSMMUG00000015329	MX1	MX Dynamin Like GTPase 1	0.45	0.93	0.41	1.94	-0.46	8.50E-01	-4.70	5.50E-03	4.21	5.70E-02	M-1
ENSMMUG00000030481			20.21	13.50	0.35	0.08	-0.22	9.27E-01	-9.11	4.22E-08	0.27	9.68E-01	M-1
ENSMMUG00000005174	DSCAM	DS Cell Adhesion Molecule	1.35	1.17	0.05	0.01	-0.10	9.58E-01	-5.50	7.76E-06	-1.15	6.85E-01	M-1
ENSMMUG00000008498	PSMG1	Proteasome Assembly Chaperone 1	198.76	239.23	138.21	84.60	0.56	3.61E-01	-1.28	1.46E-02	-0.46	6.71E-01	M-1
ENSMMUG00000016789	KCNJ15	Potassium Voltage-gated Channel Subfamily J Member 15	0.84	0.44	0.35	0.04	-2.29	2.43E-01	-4.74	1.27E-02	2.23	5.08E-01	M-1
ENSMMUG00000018136	KCNJ6	Potassium Voltage-gated Channel Subfamily J Member 6	8.49	8.15	0.39	0.08	-0.15	9.33E-01	-4.62	2.65E-05	-1.77	4.01E-01	M-1
ENSMMUG00000018131	DYRK1A	Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A	60.98	36.69	20.01	16.97	-0.70	2.56E-01	-1.14	4.08E-02	0.31	8.12E-01	M-1

ENSMMUG00000005508	IFNGR2	Interferon Gamma Receptor 2	13.28	5.29	1.47	1.28	-1.42	3.08E-01	-2.55	4.31E-02	-0.63	8.39E-01	M-1
ENSMMUG00000019571	TIAM1	T-cell Lymphoma Invasion And Metastasis 1	192.73	95.08	18.64	6.53	-1.57	8.76E-02	-4.24	1.47E-07	0.90	5.90E-01	M-1
ENSMMUG00000011095	BACH1	BTB Domain And CNC Homolog 1	38.88	20.95	5.98	4.42	-0.92	3.07E-01	-3.21	1.49E-05	0.56	7.51E-01	M-1
ENSMMUG00000004300	NCAM2	Neural Cell Adhesion Molecule 2	38.70	13.20	2.76	2.31	-1.49	9.45E-02	-3.25	4.57E-05	0.87	5.97E-01	M-1
ENSMMUG00000002282	SYCP3	Synaptonemal Complex Protein 3	6.90	48.29	12.43	3.71	2.05	8.98E-02	-2.75	1.55E-02	-0.61	8.30E-01	M-1
ENSMMUG00000023770	NRIP1	Nuclear Receptor Interacting Protein 1	1.53	1.07	0.23	0.57	0.10	9.45E-01	-2.46	7.00E-03	1.66	2.36E-01	M-1
ENSMMUG00000020089	RBM11	RNA Binding Motif Protein 11	23.45	6.14	0.59	0.09	-2.16	9.74E-02	-3.45	4.57E-03	-2.02	3.23E-01	M-1
ENSMMUG00000003283	ELFN1	Extracellular Leucine Rich Repeat And Fibronectin Type III Domain Containing 1	1.95	3.21	0.03	0.05	0.95	5.76E-01	-8.31	4.01E-09	2.11	4.14E-01	M-1
ENSMMUG00000011659	MAD1L1	Mitotic Arrest Deficient 1 Like 1	7.43	7.86	2.07	1.92	0.29	8.55E-01	-3.05	2.95E-03	-0.03	9.95E-01	M-1
ENSMMUG00000005052	FBXL18	F-box And Leucine Rich Repeat Protein 18	3.02	8.20	1.72	1.91	0.97	4.50E-01	-2.59	1.56E-02	0.40	8.95E-01	M-1
ENSMMUG00000008219	SLC29A4	Solute Carrier Family 29 Member 4	23.32	14.04	0.31	0.30	-0.81	4.96E-01	-5.32	1.68E-08	0.22	9.52E-01	M-1
ENSMMUG000000030415	KDEL2	KDEL Endoplasmic Reticulum Protein Retention Receptor 2	71.64	89.09	52.33	33.81	0.40	6.20E-01	-1.37	3.19E-02	-0.24	8.95E-01	M-1
ENSMMUG00000017570	DTX2	Deltex E3 Ubiquitin Ligase 2	233.69	179.98	10.83	3.16	-0.50	5.63E-01	-4.00	4.34E-10	-1.53	1.10E-01	M-1
ENSMMUG00000004124	HSPB1	Heat Shock Protein Family B (small) Member 1	28.00	28.69	2.76	3.32	0.20	8.92E-01	-4.57	4.33E-07	1.06	5.54E-01	M-1
ENSMMUG00000022772	POM121C	POM121 Transmembrane Nucleoporin C	44.51	87.15	39.63	13.36	0.86	2.21E-01	-1.79	3.51E-03	-0.76	5.00E-01	M-1
ENSMMUG00000007681	FKBP6	FK506 Binding Protein 6	16.99	12.46	2.23	1.18	-1.71	1.03E-01	-2.28	2.07E-02	-1.00	5.99E-01	M-1
ENSMMUG00000009093	TBL2	Transducin Beta Like 2	3.72	18.92	4.63	4.92	0.55	6.44E-01	-1.89	4.44E-02	2.08	9.93E-02	M-1
ENSMMUG00000003128	LIMK1	LIM Domain Kinase 1	11.72	17.00	4.98	3.02	0.59	6.89E-01	-2.88	8.43E-03	-0.42	8.93E-01	M-1
ENSMMUG00000002502			16.51	25.69	7.06	16.85	0.36	7.57E-01	-1.95	2.13E-02	0.40	8.53E-01	M-1
ENSMMUG000000041473	LOC695887	Rab5 GDP/GTP Exchange Factor	26.53	37.96	6.47	4.31	0.52	6.41E-01	-2.28	7.22E-03	-0.66	7.26E-01	M-1
ENSMMUG000000048379			312.28	288.16	54.11	2.99	-0.11	9.33E-01	-4.01	3.62E-07	-1.85	1.17E-01	M-1
ENSMMUG000000013764	IGFBP3	Insulin Like Growth Factor Binding Protein 3	4.64	1.69	0.61	0.11	-0.84	6.01E-01	-5.36	3.29E-05	1.19	6.68E-01	M-1
ENSMMUG00000002421	POLM	DNA Polymerase Mu	3.51	2.16	0.19	0.45	-0.43	8.57E-01	-4.67	3.74E-03	2.63	3.30E-01	M-1
ENSMMUG000000021089	SFRP4	Secreted Frizzled Related Protein 4	6.77	9.57	0.31	0.03	0.27	9.18E-01	-7.32	1.68E-05	-0.53	9.22E-01	M-1
ENSMMUG000000023104	ELMO1	Engulfment And Cell Motility 1	24.93	50.08	2.07	1.13	0.89	4.43E-01	-5.73	1.63E-10	1.29	4.44E-01	M-1
ENSMMUG000000021186	ANLN	Anillin Actin Binding Protein	98.76	71.55	29.68	48.57	-0.37	6.81E-01	-1.39	4.43E-02	0.67	6.09E-01	M-1
ENSMMUG00000001350	HERPUD2	HERPUD Family Member 2	15.01	12.79	1.61	2.29	-0.91	4.46E-01	-3.02	1.85E-03	1.88	2.00E-01	M-1
ENSMMUG00000002886	BBS9	Bardet-Biedl Syndrome 9	37.77	46.27	4.96	4.89	-0.10	9.48E-01	-3.64	4.92E-05	-1.02	5.67E-01	M-1
ENSMMUG00000011694	FKBP9	FK506 Binding Protein 9	9.05	7.62	1.00	4.00	-0.24	8.80E-01	-3.75	1.67E-04	2.53	6.89E-02	M-1
ENSMMUG00000008329	CHN2	Chimerin 2	137.73	60.10	18.21	1.09	-1.36	2.53E-01	-4.69	2.32E-06	-2.02	1.97E-01	M-1
ENSMMUG000000039317	CREB5	CAMP Responsive Element Binding Protein 5	24.45	30.14	10.17	0.47	-0.39	8.33E-01	-3.52	5.45E-03	-2.48	1.94E-01	M-1
ENSMMUG000000018544	SKAP2	Src Kinase Associated Phosphoprotein 2	18.95	12.42	2.65	4.22	-0.61	6.36E-01	-2.89	3.20E-03	1.26	4.77E-01	M-1
ENSMMUG000000016939	OSBPL3	Oxysterol Binding Protein Like 3	10.70	5.77	2.15	2.44	-0.82	3.67E-01	-2.64	4.41E-04	1.37	2.48E-01	M-1
ENSMMUG000000001562	KLHL7	Kelch Like Family Member 7	16.64	13.68	4.28	2.39	-0.17	9.05E-01	-2.11	2.40E-02	-0.81	6.78E-01	M-1
ENSMMUG000000022766	CDCA7L	Cell Division Cycle Associated 7 Like	18.54	11.91	7.30	3.94	-0.87	2.81E-01	-2.26	9.65E-04	0.33	8.57E-01	M-1
ENSMMUG000000022764	DNAH11	Dynein Axonemal Heavy Chain 11	8.64	5.91	1.04	0.40	-0.47	6.68E-01	-2.98	2.08E-04	-1.11	4.47E-01	M-1

ENSMMUG00000022683	MACC1	MACC1, MET Transcriptional Regulator	14.57	3.46	3.23	0.07	-1.89	1.64E-01	-5.26	1.92E-05	0.11	9.82E-01	M-1
ENSMMUG00000009609	TWISTNB	TWIST Neighbor	6.44	8.49	3.61	2.78	-0.12	9.03E-01	-1.37	3.41E-02	0.75	5.16E-01	M-1
ENSMMUG00000011170	LOC708314	Histone Deacetylase 9	2.48	1.45	0.32	0.07	-1.18	4.47E-01	-2.68	4.82E-02	-1.00	7.39E-01	M-1
ENSMMUG00000012694	THSD7A	Thrombospondin Type 1 Domain Containing 7A	25.41	12.90	1.00	0.18	-1.73	6.81E-02	-3.56	3.76E-05	-2.24	6.96E-02	M-1
ENSMMUG00000043160			52.77	54.58	22.78	13.24	0.18	8.54E-01	-2.01	1.78E-03	-0.29	8.67E-01	M-1
ENSMMUG00000023657	CLDN12	Claudin 12	29.45	18.50	12.61	4.44	-0.93	2.28E-01	-1.51	2.90E-02	0.21	9.17E-01	M-1
ENSMMUG00000015685	ZNF804B	Zinc Finger Protein 804B	3.09	2.90	0.19	0.04	-1.30	3.49E-01	-3.48	3.49E-03	-2.12	2.62E-01	M-1
ENSMMUG00000000480	KIAA1324L	KIAA1324 Like	8.79	4.82	1.35	0.75	-1.06	3.40E-01	-3.76	3.74E-05	1.58	2.97E-01	M-1
ENSMMUG00000042831			60.50	29.99	6.23	0.41	-1.36	4.34E-01	-4.00	6.47E-03	-1.30	6.92E-01	M-1
ENSMMUG00000030244	CACNA2D1	Calcium Voltage-gated Channel Auxiliary Subunit Alpha2delta 1	15.21	6.55	1.59	0.19	-1.92	6.05E-02	-2.99	1.96E-03	-2.02	1.66E-01	M-1
ENSMMUG00000001801	MAGI2	Membrane Associated Guanylate Kinase, WW And PDZ Domain Containing 2	3.47	2.55	0.16	0.05	-0.22	9.01E-01	-4.64	3.88E-05	-1.66	4.29E-01	M-1
ENSMMUG00000006701	GSAP	Gamma-secretase Activating Protein	0.57	0.69	0.21	0.08	0.67	7.34E-01	-4.25	4.43E-03	-0.04	9.95E-01	M-1
ENSMMUG00000006696	CCDC146	Coiled-coil Domain Containing 146	89.67	87.89	13.24	1.19	-0.15	9.16E-01	-3.72	8.88E-06	-1.54	2.58E-01	M-1
ENSMMUG00000041743			1.26	0.46	0.01	0.04	-1.97	3.67E-01	-5.32	9.65E-03	1.67	7.07E-01	M-1
ENSMMUG00000013276	BAIAP2L1	BAI1 Associated Protein 2 Like 1	165.06	152.27	30.01	14.42	-0.29	8.02E-01	-2.95	1.61E-04	-0.49	8.04E-01	M-1
ENSMMUG00000009183	SMURF1	SMAD Specific E3 Ubiquitin Protein Ligase 1	7.99	21.03	4.83	3.36	0.60	6.95E-01	-3.19	4.59E-03	1.23	5.70E-01	M-1
ENSMMUG00000019445	KPNA7	Karyopherin Subunit Alpha 7	486.74	201.76	29.29	2.71	-1.49	9.90E-02	-4.04	2.98E-07	-1.64	1.86E-01	M-1
ENSMMUG00000020140	ZNF394	Zinc Finger Protein 394	47.35	59.16	15.78	6.41	0.39	7.01E-01	-2.61	3.33E-04	-0.87	5.30E-01	M-1
ENSMMUG0000004021	ZNF3	Zinc Finger Protein 3	7.33	6.55	2.66	1.73	0.34	7.68E-01	-1.84	2.95E-02	-0.49	8.10E-01	M-1
ENSMMUG00000013450	TAF6	TATA-box Binding Protein Associated Factor 6	8.59	9.20	2.00	3.96	0.04	9.73E-01	-1.99	7.53E-03	1.08	3.93E-01	M-1
ENSMMUG00000018405	STAG3	Stromal Antigen 3	8.82	4.75	0.63	0.27	-1.08	3.23E-01	-4.20	3.36E-06	-0.46	8.53E-01	M-1
ENSMMUG00000012720	ZCWPW1	Zinc Finger CW-type And PWWP Domain Containing 1	27.60	48.63	1.85	0.30	0.11	9.50E-01	-4.96	3.77E-06	-1.24	5.66E-01	M-1
ENSMMUG00000015311	LRCH4	Leucine Rich Repeats And Calponin Homology Domain Containing 4	23.73	19.24	7.96	5.16	0.07	9.63E-01	-2.52	7.51E-03	0.15	9.66E-01	M-1
ENSMMUG00000048774			0.86	2.06	0.03	0.04	0.25	9.19E-01	-8.14	1.49E-07	2.61	3.24E-01	M-1
ENSMMUG00000030384	LOC719871	Ras GTPase-activating Protein 4	2.85	1.46	0.10	0.10	-0.85	6.68E-01	-4.23	5.60E-03	0.07	9.92E-01	M-1
ENSMMUG00000012435	ARMC10	Armadillo Repeat Containing 10	5.82	10.59	2.56	6.83	1.30	4.03E-01	-3.26	1.29E-02	2.13	3.02E-01	M-1
ENSMMUG00000048420	RELN	Reelin	1.74	0.66	0.16	0.08	-1.44	3.66E-01	-3.36	1.49E-02	-0.94	7.68E-01	M-1
ENSMMUG00000047333			1.93	6.34	0.36	0.43	0.76	7.68E-01	-4.09	3.20E-02	2.18	5.28E-01	M-1
ENSMMUG00000014122	CAV1	Caveolin 1	4.77	5.42	0.57	0.02	0.30	9.07E-01	-5.64	1.85E-03	-2.21	5.36E-01	M-1
ENSMMUG00000021722	ST7	Suppression Of Tumorigenicity 7	6.04	5.04	1.15	1.14	0.21	9.03E-01	-2.58	2.37E-02	0.82	7.46E-01	M-1
ENSMMUG00000010297	CTTNBP2	Cortactin Binding Protein 2	4.44	1.95	0.18	0.45	-1.23	4.04E-01	-5.60	3.06E-06	2.35	2.09E-01	M-1
ENSMMUG00000002434	ING3	Inhibitor Of Growth Family Member 3	33.68	26.59	12.66	7.42	-0.07	9.56E-01	-2.01	1.30E-02	-0.40	8.51E-01	M-1
ENSMMUG00000011536	IQUB	IQ Motif And Ubiquitin Domain Containing	14.53	8.63	2.35	1.22	-0.62	5.57E-01	-2.70	9.32E-04	-0.12	9.69E-01	M-1
ENSMMUG00000011544	WASL	Wiskott-Aldrich Syndrome Like	28.73	25.84	9.00	19.97	-0.40	6.66E-01	-1.49	3.70E-02	0.84	5.09E-01	M-1
ENSMMUG00000017542	UBE2H	Ubiquitin Conjugating Enzyme E2 H	26.78	7.63	1.36	2.53	-2.07	9.36E-02	-2.44	4.17E-02	1.09	6.47E-01	M-1
ENSMMUG00000006155	ZC3HC1	Zinc Finger C3HC-type Containing 1	5.49	13.67	4.08	2.47	1.53	2.30E-01	-2.86	1.18E-02	-0.21	9.60E-01	M-1
ENSMMUG00000009495	CPA1	Carboxypeptidase A1	6.64	6.03	0.22	0.03	-1.67	3.35E-01	-5.19	6.04E-04	-0.47	9.32E-01	M-1
ENSMMUG00000005127	PLXNA4	Plexin A4	18.78	9.28	0.45	0.09	-1.61	1.02E-01	-4.83	2.08E-08	-1.77	2.02E-01	M-1
ENSMMUG00000002317	WDR91	WD Repeat Domain 91	7.27	5.86	1.00	0.63	-0.34	8.38E-01	-3.81	6.64E-04	-0.49	8.77E-01	M-1

ENSMMUG00000016181	CNOT4	CCR4-NOT Transcription Complex Subunit 4	50.36	92.02	26.10	11.22	0.72	2.39E-01	-2.11	4.23E-05	-1.05	1.86E-01	M-1
ENSMMUG00000016386	SLC13A4	Solute Carrier Family 13 Member 4	3.18	8.09	0.38	0.30	1.18	3.92E-01	-3.64	1.61E-03	-2.06	2.65E-01	M-1
ENSMMUG00000016831	DGKI	Diacylglycerol Kinase Iota	7.18	6.03	0.74	0.10	0.00	9.99E-01	-5.00	1.03E-04	-1.21	6.81E-01	M-1
ENSMMUG00000002481	HIPK2	Homeodomain Interacting Protein Kinase 2	9.45	13.91	5.24	2.06	0.07	9.69E-01	-2.22	4.28E-02	-1.14	5.73E-01	M-1
ENSMMUG00000004224	PARP12	Poly(ADP-ribose) Polymerase Family Member 12	91.04	46.98	6.10	4.79	-1.17	1.90E-01	-3.02	8.75E-05	-0.49	8.00E-01	M-1
ENSMMUG00000042299	DENND2A	DENN Domain Containing 2A	1.78	0.91	0.15	0.15	-2.03	1.53E-01	-3.61	7.21E-03	0.69	8.43E-01	M-1
ENSMMUG00000038297			8.00	2.96	0.28	0.90	-1.84	5.05E-01	-6.57	5.09E-03	4.67	1.79E-01	M-1
ENSMMUG00000044167	WEE2	WEE1 Homolog 2	631.45	262.90	35.48	3.49	-1.51	1.37E-01	-3.38	1.49E-04	-2.13	9.49E-02	M-1
ENSMMUG00000016273			0.80	1.14	0.11	0.17	-0.67	6.32E-01	-3.14	4.42E-03	0.24	9.50E-01	M-1
ENSMMUG00000045624			15.50	14.93	1.79	0.04	-0.97	5.63E-01	-4.38	1.64E-03	-3.51	1.14E-01	M-1
ENSMMUG00000048104	PRSS2	Protease, Serine, 2 (trypsin 2)	18.10	8.28	5.65	0.06	-1.84	2.08E-01	-5.02	1.74E-04	-2.82	2.12E-01	M-1
ENSMMUG00000017541	CUL1	Cullin 1	117.30	99.51	34.94	35.47	-0.12	8.94E-01	-1.71	2.64E-03	-0.08	9.70E-01	M-1
ENSMMUG00000015772	CNTNAP2	Contactin Associated Protein Like 2	1.50	0.56	0.27	0.08	-0.35	8.74E-01	-6.66	2.44E-05	1.63	6.06E-01	M-1
ENSMMUG00000008650	TPK1	Thiamin Pyrophosphokinase 1	24.01	21.85	15.10	8.75	-0.35	7.87E-01	-2.50	5.40E-03	1.14	4.83E-01	M-1
ENSMMUG00000020609			18.04	7.27	0.22	0.11	-1.47	1.57E-01	-4.67	5.79E-07	-1.44	4.31E-01	M-1
ENSMMUG00000005233	LRRC61	Leucine Rich Repeat Containing 61	0.41	1.30	1.18	0.47	1.45	4.78E-01	-4.82	5.04E-03	3.38	1.71E-01	M-1
ENSMMUG00000043445	GBX1	Gastrulation Brain Homeobox 1	8.54	4.33	0.08	0.06	-1.59	3.29E-01	-8.05	9.96E-08	0.64	8.77E-01	M-1
ENSMMUG00000017721	GALNTL5	Polypeptide N-acetylgalactosaminyltransferase Like 5	1.19	0.94	0.10	0.15	0.61	7.05E-01	-5.95	1.86E-06	3.10	9.49E-02	M-1
ENSMMUG00000006328	DPP6	Dipeptidyl Peptidase Like 6	4.05	1.77	0.07	0.06	-0.93	4.44E-01	-4.75	1.62E-06	0.06	9.88E-01	M-1
ENSMMUG00000007351	RBM33	RNA Binding Motif Protein 33	66.71	49.63	22.85	12.26	-0.38	5.78E-01	-1.43	7.08E-03	-1.03	1.90E-01	M-1
ENSMMUG00000045442			12.09	14.10	2.16	0.27	0.58	7.76E-01	-7.31	6.67E-06	0.81	8.60E-01	M-1
ENSMMUG00000022806			1.57	2.33	0.08	0.12	0.06	9.84E-01	-7.19	5.34E-05	4.70	5.59E-02	M-1
ENSMMUG00000006973	WDR60	WD Repeat Domain 60	16.54	10.98	2.37	2.05	-0.90	3.02E-01	-2.49	7.29E-04	0.11	9.68E-01	M-1
ENSMMUG00000019439			3.79	1.37	0.18	0.23	-0.45	8.36E-01	-3.74	1.78E-02	0.71	8.73E-01	M-1
ENSMMUG00000013189			180.42	98.02	17.60	9.83	-1.13	1.87E-01	-3.14	1.86E-05	0.11	9.69E-01	M-1
ENSMMUG00000018742	ADCY2	Adenylate Cyclase 2	1.76	0.80	0.03	0.17	-2.08	1.07E-01	-3.27	8.20E-03	0.81	7.78E-01	M-1
ENSMMUG00000020160	SEMA5A	Semaphorin 5A	9.41	7.38	0.54	0.22	-0.55	7.06E-01	-5.92	2.69E-08	1.06	6.37E-01	M-1
ENSMMUG00000023419			1.30	0.47	0.33	0.05	-1.61	2.67E-01	-3.01	2.54E-02	-0.39	9.20E-01	M-1
ENSMMUG00000015489	TRIO	Trio Rho Guanine Nucleotide Exchange Factor	10.40	9.30	2.67	2.51	0.10	9.23E-01	-2.07	2.27E-03	0.01	9.96E-01	M-1
ENSMMUG00000013364	FBXL7	F-box And Leucine Rich Repeat Protein 7	35.30	42.25	3.14	0.45	-1.00	4.98E-01	-5.52	1.15E-06	-0.61	8.43E-01	M-1
ENSMMUG00000004389	CDH18	Cadherin 18	3.92	3.91	0.13	0.02	-0.11	9.51E-01	-4.32	3.20E-04	-1.51	5.73E-01	M-1
ENSMMUG00000042872			20.89	6.96	0.92	0.09	-2.08	9.17E-02	-4.43	7.20E-05	-1.55	4.62E-01	M-1
ENSMMUG00000020275	HIRIP3	HIRA Interacting Protein 3	37.10	35.75	18.36	7.03	0.23	7.99E-01	-1.64	1.09E-02	-0.92	4.00E-01	M-1
ENSMMUG00000043424			4.58	7.63	7.33	5.37	1.12	8.50E-02	-2.03	9.92E-04	0.99	3.24E-01	M-1
ENSMMUG00000004774	MROH2B	Maestro Heat Like Repeat Family Member 2B	1.78	0.74	0.21	0.07	-1.61	1.72E-01	-2.88	8.34E-03	-0.53	8.52E-01	M-1
ENSMMUG00000011878	PAIP1	Poly(A) Binding Protein Interacting Protein 1	78.64	25.20	14.29	11.60	-1.22	1.68E-01	-2.26	4.13E-03	0.45	8.16E-01	M-1
ENSMMUG00000049039			4.49	8.14	2.58	2.35	0.71	4.30E-01	-2.16	4.83E-03	0.16	9.52E-01	M-1
ENSMMUG00000048323			4.51	27.80	0.01	0.02	0.18	9.63E-01	-10.03	1.17E-04	3.20	5.31E-01	M-1
ENSMMUG00000001600	CDC20B	Cell Division Cycle 20B	13.19	12.56	0.44	0.08	0.59	6.75E-01	-4.97	6.61E-07	-2.75	5.38E-02	M-1
ENSMMUG00000010372	CCNO	Cyclin O	19.44	17.58	0.34	0.21	-0.54	7.74E-01	-5.73	2.27E-05	-1.41	6.36E-01	M-1
ENSMMUG00000017904	MAP1B	Microtubule Associated Protein 1B	16.77	25.69	3.05	6.04	0.84	3.05E-01	-3.49	1.71E-07	1.41	1.73E-01	M-1
ENSMMUG00000017897	ARHGEF28	Rho Guanine Nucleotide Exchange Factor 28	8.76	7.09	0.50	0.28	-1.17	3.48E-01	-3.62	4.35E-04	-0.50	8.58E-01	M-1
ENSMMUG00000011198	FAM169A	Family With Sequence Similarity 169 Member A	56.94	59.83	11.10	8.80	-0.14	8.95E-01	-2.23	1.04E-03	-0.24	9.04E-01	M-1
ENSMMUG00000011061	ANKRD31	Ankyrin Repeat Domain 31	1.34	1.09	0.16	0.26	-0.21	8.73E-01	-3.71	1.11E-05	1.42	3.19E-01	M-1

ENSMMUG00000021354	CRHBP	Corticotropin Releasing Hormone Binding Protein	11.07	8.51	0.08	0.06	-1.44	2.38E-01	-5.83	6.03E-08	1.17	6.24E-01	M-1
ENSMMUG00000021358	PDE8B	Phosphodiesterase 8B	9.68	6.60	0.73	0.12	-0.89	5.86E-01	-4.90	7.21E-05	-0.19	9.69E-01	M-1
ENSMMUG00000021361	WDR41	WD Repeat Domain 41	39.31	71.48	20.72	2.83	0.61	5.73E-01	-2.85	6.02E-04	-1.22	4.04E-01	M-1
ENSMMUG00000039925	SCAMP1	Secretory Carrier Membrane Protein 1	14.09	11.16	4.10	3.82	-0.24	7.93E-01	-1.46	2.58E-02	-0.36	8.19E-01	M-1
ENSMMUG00000023533	SERINC5	Serine Incorporator 5	37.07	34.72	8.17	14.07	-0.09	9.29E-01	-2.34	5.11E-05	1.32	1.18E-01	M-1
ENSMMUG00000039944	RASGRF2	Ras Protein Specific Guanine Nucleotide Releasing Factor 2	5.50	5.56	0.67	0.13	-0.85	5.51E-01	-4.04	2.43E-04	0.87	7.37E-01	M-1
ENSMMUG00000019836	MEF2C	Myocyte Enhancer Factor 2C	0.71	0.50	0.09	0.02	1.26	6.39E-01	-7.69	2.20E-04	1.29	8.03E-01	M-1
ENSMMUG00000002508	KIAA0825	KIAA0825 Ortholog	1.37	3.50	1.75	0.10	0.34	8.64E-01	-5.25	3.47E-05	0.59	8.66E-01	M-1
ENSMMUG00000001397	MCTP1	Multiple C2 And Transmembrane Domain Containing 1	25.11	12.96	2.51	0.49	-1.07	3.90E-01	-4.79	1.47E-06	-0.38	9.00E-01	M-1
ENSMMUG000000021165	RHOBTB3	Rho Related BTB Domain Containing 3	40.10	46.23	6.19	3.45	0.14	9.21E-01	-3.85	6.52E-06	0.46	8.42E-01	M-1
ENSMMUG00000013109	ST8SIA4	ST8 Alpha-N-acetylneuraminide Alpha-2,8-sialyltransferase 4	2.83	0.74	0.03	0.02	-2.67	7.88E-02	-4.60	4.26E-03	-0.51	9.20E-01	M-1
ENSMMUG00000013183			1.06	0.56	0.48	0.93	-0.27	9.14E-01	-3.65	2.92E-02	3.41	1.43E-01	M-1
ENSMMUG00000013582	FER	FER Tyrosine Kinase	17.49	13.79	4.56	8.65	-0.16	9.00E-01	-2.05	1.26E-02	1.35	2.94E-01	M-1
ENSMMUG00000004275			1.17	0.55	0.13	0.11	-1.23	4.45E-01	-6.10	9.96E-06	2.75	1.86E-01	M-1
ENSMMUG00000002768	NREP	Neuronal Regeneration Related Protein	32.54	13.50	3.16	0.56	-1.06	3.91E-01	-6.11	8.78E-10	0.50	8.60E-01	M-1
ENSMMUG00000013557	MCC	Mutated In Colorectal Cancers	4.38	3.21	0.18	0.36	-1.33	4.38E-01	-3.77	8.23E-03	0.91	7.92E-01	M-1
ENSMMUG00000043340	ARL14EPL	ADP Ribosylation Factor Like GTPase 14 Effector Protein Like	5.13	2.91	0.11	0.05	-1.05	5.26E-01	-5.01	8.50E-04	-0.94	8.10E-01	M-1
ENSMMUG00000021009	SRFBP1	Serum Response Factor Binding Protein 1	8.00	25.64	8.17	5.20	1.23	1.11E-01	-1.69	1.88E-02	0.25	9.02E-01	M-1
ENSMMUG00000045976			15.92	6.01	4.15	0.34	-2.59	1.77E-01	-4.55	1.23E-02	1.04	8.16E-01	M-1
ENSMMUG00000011214	SLC12A2	Solute Carrier Family 12 Member 2	4.85	2.36	0.71	0.44	-1.41	1.30E-01	-1.96	2.44E-02	-0.64	7.41E-01	M-1
ENSMMUG00000042358	MEIKIN	Meiotic Kinetochore Factor	10.97	5.71	1.13	0.69	-1.00	5.22E-01	-3.19	1.25E-02	-0.05	9.92E-01	M-1
ENSMMUG00000010313	KIF3A	Kinesin Family Member 3A	39.27	21.41	8.96	5.97	-1.25	9.37E-02	-1.48	3.90E-02	-0.02	9.94E-01	M-1
ENSMMUG00000010308			32.36	27.04	2.29	0.22	-0.35	8.41E-01	-4.51	6.53E-05	-2.18	2.45E-01	M-1
ENSMMUG00000010309	SEPT8	Septin 8	6.59	10.42	2.51	6.49	0.60	5.36E-01	-2.43	1.45E-03	1.62	1.49E-01	M-1
ENSMMUG00000044819	GDF9	Growth Differentiation Factor 9	240.02	73.33	22.24	1.30	-1.82	5.14E-02	-3.41	5.85E-05	-1.92	1.28E-01	M-1
ENSMMUG00000010571			1.42	3.29	1.40	1.34	1.63	6.22E-02	-2.18	9.71E-03	0.18	9.52E-01	M-1
ENSMMUG00000003062	FSTL4	Follistatin Like 4	6.77	9.88	0.12	0.44	0.24	8.91E-01	-7.09	7.88E-12	1.94	2.61E-01	M-1
ENSMMUG00000004770	NEUROG1	Neurogenin 1	11.48	9.79	0.26	0.19	-0.53	7.72E-01	-5.72	2.21E-05	-0.02	9.97E-01	M-1
ENSMMUG00000040964			12.25	5.22	0.13	0.10	-1.96	4.49E-01	-5.96	1.10E-02	0.73	9.18E-01	M-1
ENSMMUG00000001507	BRD8	Bromodomain Containing 8	16.87	24.20	7.49	10.26	0.42	5.93E-01	-1.77	3.58E-03	0.17	9.31E-01	M-1
ENSMMUG00000013272	GFRA3	GDNF Family Receptor Alpha 3	15.02	13.08	3.33	0.24	-0.32	8.57E-01	-5.31	2.48E-06	-1.08	6.59E-01	M-1
ENSMMUG00000018025	EGR1	Early Growth Response 1	19.72	17.75	4.41	1.38	-0.53	6.32E-01	-4.81	1.85E-09	1.08	4.78E-01	M-1
ENSMMUG00000020666	UBE2D2	Ubiquitin Conjugating Enzyme E2 D2	17.10	18.38	7.92	11.61	-0.08	9.37E-01	-2.12	8.72E-04	1.40	1.30E-01	M-1
ENSMMUG00000012593	FCHSD1	FCH And Double SH3 Domains 1	0.12	1.74	0.42	0.70	3.04	9.36E-02	-4.02	2.03E-02	2.11	4.84E-01	M-1
ENSMMUG00000000465	ARAP3	ArfGAP With RhoGAP Domain, Ankyrin Repeat And PH Domain 3	1.70	1.25	0.38	0.10	-0.37	8.45E-01	-5.05	4.54E-05	-0.74	8.15E-01	M-1
ENSMMUG00000006287	KIAA0141	KIAA0141 Ortholog	8.45	20.61	2.63	4.13	2.21	1.11E-01	-3.53	5.43E-03	0.51	8.87E-01	M-1
ENSMMUG00000014175	SPRY4	Sprouty RTK Signaling Antagonist 4	25.59	20.53	7.41	12.21	-0.83	2.30E-01	-1.67	5.81E-03	0.67	5.59E-01	M-1
ENSMMUG00000000421	NR3C1	Nuclear Receptor Subfamily 3 Group C Member 1	4.33	2.98	0.42	0.88	-1.59	1.83E-01	-2.45	2.66E-02	1.17	5.69E-01	M-1

ENSMMUG00000004476	RBM27	RNA Binding Motif Protein 27	55.37	98.94	35.70	21.68	0.69	1.88E-01	-1.73	1.17E-04	-0.24	8.39E-01	M-1
ENSMMUG000000020465	PPP2R2B	Protein Phosphatase 2 Regulatory Subunit Bbeta	6.25	3.33	2.29	0.08	-1.06	5.23E-01	-5.54	6.44E-05	0.17	9.73E-01	M-1
ENSMMUG000000013394	JAKMIP2	Janus Kinase And Microtubule Interacting Protein 2	3.55	1.92	0.79	0.02	-0.68	7.04E-01	-4.40	8.95E-04	-2.51	2.45E-01	M-1
ENSMMUG000000011556	CSF1R	Colony Stimulating Factor 1 Receptor	13.77	25.65	1.30	0.59	1.21	3.33E-01	-4.80	2.21E-06	-0.89	6.99E-01	M-1
ENSMMUG000000020678	SYNPO	Synaptopodin	8.86	12.60	1.52	0.48	0.26	8.51E-01	-3.62	4.05E-05	-1.18	4.75E-01	M-1
ENSMMUG000000020683	RBM22	RNA Binding Motif Protein 22	46.17	70.79	23.97	11.51	0.68	4.22E-01	-1.62	2.38E-02	-0.64	6.61E-01	M-1
ENSMMUG000000012696	ZNF300	Zinc Finger Protein 300	2.48	4.69	2.88	1.23	1.09	3.65E-01	-2.14	4.27E-02	-0.94	6.53E-01	M-1
ENSMMUG000000003499	SLC36A1	Solute Carrier Family 36 Member 1	10.90	20.08	2.69	4.02	1.15	3.83E-01	-3.38	1.99E-03	0.69	7.98E-01	M-1
ENSMMUG000000011989	MFAP3	Microfibril Associated Protein 3	12.55	7.15	4.25	4.23	-0.73	2.92E-01	-1.26	4.22E-02	0.04	9.86E-01	M-1
ENSMMUG000000021550			40.76	16.95	2.22	0.32	-1.28	3.15E-01	-4.63	1.37E-05	-0.84	7.45E-01	M-1
ENSMMUG000000011471	TTC1	Tetratricopeptide Repeat Domain 1	102.04	94.42	41.99	20.87	-0.27	6.67E-01	-1.29	5.42E-03	-0.57	5.06E-01	M-1
ENSMMUG000000023073	CCNJL	Cyclin J Like	2.69	5.44	0.10	0.06	0.09	9.71E-01	-5.04	3.90E-04	0.64	8.73E-01	M-1
ENSMMUG000000012643	ATP10B	ATPase Phospholipid Transporting 10B (putative)	5.11	4.37	0.60	0.05	-1.24	3.87E-01	-4.14	5.12E-04	-1.65	4.53E-01	M-1
ENSMMUG000000009116	TENM2	Teneurin Transmembrane Protein 2	1.51	2.19	0.49	0.13	-0.22	9.12E-01	-3.06	1.65E-02	-1.63	4.65E-01	M-1
ENSMMUG000000017087			9.53	11.96	2.08	0.71	0.29	8.21E-01	-3.58	3.27E-05	-1.21	4.40E-01	M-1
ENSMMUG000000013793	BOD1	Biorientation Of Chromosomes In Cell Division 1	524.49	647.97	94.21	19.43	0.41	6.76E-01	-3.86	1.69E-08	-1.17	3.17E-01	M-1
ENSMMUG000000019926	CPEB4	Cytoplasmic Polyadenylation Element Binding Protein 4	26.27	15.44	6.62	6.36	-1.19	7.29E-02	-1.84	2.74E-03	0.59	6.39E-01	M-1
ENSMMUG000000011491	NSG2	Neuronal Vesicle Trafficking Associated 2	44.24	20.58	3.56	0.26	-2.32	5.02E-02	-4.26	9.63E-05	-2.45	1.36E-01	M-1
ENSMMUG000000014245	HRH2	Histamine Receptor H2	41.51	32.71	4.83	0.42	-0.33	8.19E-01	-5.35	1.34E-08	-0.67	7.79E-01	M-1
ENSMMUG000000009058	CLTB	Clathrin Light Chain B	9.15	5.15	1.93	2.54	-0.40	7.36E-01	-2.39	5.73E-03	0.84	6.35E-01	M-1
ENSMMUG000000002653	HK3	Hexokinase 3	19.04	14.11	0.58	0.16	-1.27	2.70E-01	-5.22	4.13E-08	-0.66	7.85E-01	M-1
ENSMMUG0000000022838	UIMC1	Ubiquitin Interaction Motif Containing 1	7.10	7.30	2.49	2.01	0.10	9.41E-01	-1.71	4.83E-02	-0.44	8.36E-01	M-1
ENSMMUG000000011033	ZNF346	Zinc Finger Protein 346	15.69	18.60	4.68	5.39	-0.04	9.80E-01	-2.16	2.82E-02	0.31	9.13E-01	M-1
ENSMMUG000000001728	MAPK9	Mitogen-activated Protein Kinase 9	20.83	16.16	4.71	4.43	-0.64	4.53E-01	-1.92	6.14E-03	0.89	4.77E-01	M-1
ENSMMUG000000042832	ZFP62	ZFP62 Zinc Finger Protein	10.37	8.71	3.38	2.64	-0.55	5.80E-01	-2.70	4.09E-04	1.04	4.53E-01	M-1
ENSMMUG000000019858	BTNL8	Butyrophilin Like 8	0.89	1.66	1.04	0.07	1.70	3.08E-01	-4.20	3.37E-03	-0.96	7.83E-01	M-1
ENSMMUG000000001371	SLC22A23	Solute Carrier Family 22 Member 23	2.16	1.60	0.10	0.42	0.08	9.71E-01	-4.51	5.49E-04	2.13	3.25E-01	M-1
ENSMMUG000000041553			0.60	1.03	0.02	0.05	1.47	6.24E-01	-6.41	7.84E-03	1.85	7.43E-01	M-1
ENSMMUG000000015577	RIOK1	RIO Kinase 1	130.95	161.12	97.40	40.05	0.06	9.11E-01	-0.78	3.97E-02	-0.89	7.03E-02	M-1
ENSMMUG000000021600			29.31	20.49	1.33	1.62	-0.13	9.40E-01	-4.98	2.53E-06	0.82	7.51E-01	M-1
ENSMMUG000000005532	MAK	Male Germ Cell Associated Kinase	2.43	1.91	1.34	0.98	-0.57	5.14E-01	-2.31	8.78E-04	1.13	3.22E-01	M-1
ENSMMUG000000013908	ELOVL2	ELOVL Fatty Acid Elongase 2	8.37	9.09	4.23	0.65	-0.29	8.66E-01	-5.38	3.90E-07	2.12	2.12E-01	M-1
ENSMMUG000000008560	HIVEP1	Human Immunodeficiency Virus Type I Enhancer Binding Protein 1	14.97	25.01	8.04	6.53	0.81	2.79E-01	-2.19	5.74E-04	0.01	9.97E-01	M-1
ENSMMUG000000020122	RANBP9	RAN Binding Protein 9	116.00	110.60	45.84	31.05	0.06	9.53E-01	-1.34	3.39E-02	-0.22	9.00E-01	M-1
ENSMMUG000000015474	MYLIP	Myosin Regulatory Light Chain Interacting Protein	18.38	7.10	4.86	1.77	-1.32	1.88E-01	-1.86	4.53E-02	-0.25	9.28E-01	M-1
ENSMMUG000000002940	ATXN1	Ataxin 1	2.42	1.93	0.56	0.15	-0.20	8.88E-01	-3.88	9.90E-06	-0.21	9.48E-01	M-1
ENSMMUG000000018575	KDM1B	Lysine Demethylase 1B	94.95	55.22	9.09	4.43	-0.89	3.06E-01	-2.55	4.51E-04	-1.13	3.61E-01	M-1
ENSMMUG000000008452	DCDC2	Doublecortin Domain Containing 2	221.20	157.27	21.24	2.89	-1.18	2.48E-01	-4.15	1.10E-06	-1.47	3.09E-01	M-1

ENSMMUG00000017497	RIPOR2	RHO Family Interacting Cell Polarization Regulator 2	15.00	9.92	2.46	2.59	-0.81	5.36E-01	-2.82	6.80E-03	-0.27	9.36E-01	M-1
ENSMMUG00000041140	HIST1H3D	Histone Cluster 1, H3d	145.42	328.11	110.56	74.00	1.06	2.68E-01	-2.04	1.52E-02	-1.64	1.80E-01	M-1
ENSMMUG00000047143	LOC701826	Histone H2A Type 1-H	148.32	418.06	107.27	82.15	1.42	7.22E-02	-2.33	1.27E-03	-1.18	3.19E-01	M-1
ENSMMUG00000049230			271.37	196.68	97.81	44.08	-0.22	8.05E-01	-1.75	5.00E-03	-0.21	9.12E-01	M-1
ENSMMUG00000037625			12.36	16.46	2.01	2.07	0.02	9.91E-01	-4.27	8.40E-05	1.33	5.26E-01	M-1
ENSMMUG00000019959	C4H6orf136	Chromosome 4 Open Reading Frame, Human C6orf136	15.07	20.61	6.37	4.92	0.57	6.69E-01	-2.46	1.65E-02	-0.12	9.74E-01	M-1
ENSMMUG00000017194	NRM	Nurim	0.65	1.35	0.13	1.53	2.33	2.15E-01	-3.65	3.87E-02	2.40	4.00E-01	M-1
ENSMMUG00000029821			59.76	47.07	8.83	11.51	-0.77	3.51E-01	-2.58	1.46E-04	0.38	8.28E-01	M-1
ENSMMUG00000000729	CFB	Complement Factor B	0.39	3.45	0.20	0.57	2.38	1.43E-01	-5.39	1.81E-04	2.77	2.15E-01	M-1
ENSMMUG00000000747	STK19	Serine/threonine Kinase 19	0.73	2.08	0.61	2.02	1.94	2.12E-01	-2.92	4.38E-02	2.14	3.49E-01	M-1
ENSMMUG00000010649	PHF1	PHD Finger Protein 1	2.02	0.88	0.31	0.68	-1.53	2.28E-01	-2.43	3.74E-02	2.48	1.19E-01	M-1
ENSMMUG00000023046	GRM4	Glutamate Metabotropic Receptor 4	2.20	1.18	0.22	0.19	-1.91	2.44E-01	-5.10	3.98E-04	3.64	6.37E-02	M-1
ENSMMUG00000022824	SPDEF	SAM Pointed Domain Containing ETS Transcription Factor	40.79	38.98	17.11	8.61	-0.22	7.97E-01	-1.61	7.41E-03	-0.43	7.53E-01	M-1
ENSMMUG00000021712	UHRF1BP1	UHRF1 Binding Protein 1	6.60	9.88	2.75	2.90	0.87	5.81E-01	-2.84	2.42E-02	0.44	9.03E-01	M-1
ENSMMUG00000021718	ANKS1A	Ankyrin Repeat And Sterile Alpha Motif Domain Containing 1A	28.57	26.64	5.00	3.35	-0.09	9.45E-01	-3.57	2.01E-06	0.15	9.59E-01	M-1
ENSMMUG00000021720	TCP11	T-complex 11	8.10	11.86	0.45	0.25	0.12	9.48E-01	-4.15	2.18E-04	-1.12	6.43E-01	M-1
ENSMMUG00000015904	PPARD	Peroxisome Proliferator Activated Receptor Delta	7.54	13.63	2.71	2.37	1.21	2.57E-01	-3.27	2.92E-04	0.27	9.26E-01	M-1
ENSMMUG00000018557	SRPK1	SRSF Protein Kinase 1	99.00	95.95	30.75	17.72	0.01	9.95E-01	-2.27	1.42E-04	-0.28	8.67E-01	M-1
ENSMMUG00000020558	STK38	Serine/threonine Kinase 38	41.96	34.36	22.84	12.10	-0.17	8.93E-01	-1.68	4.38E-02	0.60	7.41E-01	M-1
ENSMMUG00000001287	RNF8	Ring Finger Protein 8	21.22	44.28	7.13	7.21	0.91	3.14E-01	-2.89	9.54E-05	0.23	9.20E-01	M-1
ENSMMUG00000001632	ZFAND3	Zinc Finger AN1-type Containing 3	32.47	16.87	10.12	7.76	-0.47	5.60E-01	-1.64	1.15E-02	0.44	7.68E-01	M-1
ENSMMUG000000019072	DAAM2	Dishevelled Associated Activator Of Morphogenesis 2	18.41	7.80	0.42	1.06	-0.87	4.45E-01	-4.31	1.50E-06	0.60	7.92E-01	M-1
ENSMMUG000000039605			2.58	1.89	0.64	0.01	-0.64	8.57E-01	-6.47	1.17E-02	0.29	9.75E-01	M-1
ENSMMUG00000004419	CCND3	Cyclin D3	1.01	1.84	1.82	3.75	1.62	2.35E-01	-2.62	3.55E-02	2.63	1.22E-01	M-1
ENSMMUG00000023319	TJAP1	Tight Junction Associated Protein 1	10.03	7.98	2.09	1.32	0.41	7.95E-01	-3.34	2.47E-03	0.12	9.76E-01	M-1
ENSMMUG00000014389	CDC5L	Cell Division Cycle 5 Like	86.62	93.10	36.30	17.77	0.09	9.18E-01	-1.44	1.31E-02	-0.77	4.46E-01	M-1
ENSMMUG000000019819	LOC703331	Runt-related Transcription Factor 2	3.92	2.72	0.59	0.09	-1.54	3.29E-01	-4.91	2.15E-04	1.41	6.04E-01	M-1
ENSMMUG000000019246	RCAN2	Regulator Of Calcineurin 2	38.72	12.78	5.27	0.96	-1.63	8.75E-02	-3.84	5.64E-06	-0.06	9.86E-01	M-1
ENSMMUG000000048193	CENPQ	Centromere Protein Q	18.90	26.68	5.55	3.44	0.39	6.31E-01	-2.46	4.68E-05	-0.47	7.43E-01	M-1
ENSMMUG000000013718	TRAM2	Translocation Associated Membrane Protein 2	218.43	230.19	23.29	9.05	-0.24	8.61E-01	-4.18	9.83E-07	-0.54	8.06E-01	M-1
ENSMMUG000000040666	GSTA2	Glutathione S-transferase Alpha 2	0.56	4.93	0.15	0.08	3.88	1.16E-01	-8.75	1.48E-04	4.75	1.65E-01	M-1
ENSMMUG000000022083	GCM1	Glial Cells Missing Homolog 1	4.53	10.10	2.58	3.70	1.80	2.98E-01	-6.62	6.09E-06	3.55	8.44E-02	M-1
ENSMMUG000000006422	ELOVL5	ELOVL Fatty Acid Elongase 5	35.64	35.25	8.82	11.97	0.05	9.55E-01	-3.06	4.82E-08	0.83	4.21E-01	M-1
ENSMMUG000000007616	COL21A1	Collagen Type XXI Alpha 1 Chain	0.96	0.86	0.29	0.07	0.26	9.15E-01	-4.29	7.60E-03	-1.65	6.08E-01	M-1
ENSMMUG00000000777	DST	Dystonin	1.22	1.24	0.49	1.83	-0.34	7.92E-01	-2.03	2.92E-02	2.32	5.30E-02	M-1
ENSMMUG000000021274			21.37	20.77	7.57	3.84	-0.11	8.98E-01	-2.23	5.99E-05	-0.31	8.32E-01	M-1
ENSMMUG000000019436	FAM117A	Family With Sequence Similarity 117 Member A	13.87	9.34	4.09	0.96	-1.03	4.95E-01	-2.53	4.69E-02	0.05	9.92E-01	M-1
ENSMMUG000000019261	COL12A1	Collagen Type XII Alpha 1 Chain	1.87	0.76	0.21	0.08	-1.79	6.14E-02	-3.23	3.14E-04	0.14	9.69E-01	M-1
ENSMMUG000000004351	HMG3	High Mobility Group Nucleosomal Binding Domain 3	2.12	0.58	0.28	0.14	-0.92	7.38E-01	-5.74	7.56E-03	0.58	9.31E-01	M-1
ENSMMUG000000020208	ELOVL4	ELOVL Fatty Acid Elongase 4	56.26	34.14	4.32	1.23	-1.78	8.00E-02	-2.49	9.57E-03	-0.99	6.05E-01	M-1
ENSMMUG000000020207	TTK	TTK Protein Kinase	32.24	22.65	11.71	10.20	-0.25	7.75E-01	-1.70	5.31E-03	0.49	7.19E-01	M-1

ENSMMUG00000016703	SNAP91	Synaptosome Associated Protein 91	10.61	7.24	1.85	0.10	-0.64	6.23E-01	-5.67	5.19E-09	-0.73	7.68E-01	M-1
ENSMMUG00000045108	CFAP206	Cilia And Flagella Associated Protein 206	9.72	4.59	0.12	0.19	-2.12	7.63E-02	-4.13	2.59E-04	0.09	9.84E-01	M-1
ENSMMUG00000017039	RARS2	Arginyl-tRNA Synthetase 2, Mitochondrial	66.28	39.97	7.68	9.71	-1.10	1.43E-01	-1.62	1.92E-02	0.14	9.56E-01	M-1
ENSMMUG00000002824	AKIRIN2	Akirin 2	100.82	50.17	29.76	12.35	-0.81	2.62E-01	-1.43	2.61E-02	0.00	9.99E-01	M-1
ENSMMUG00000014942	PM20D2	Peptidase M20 Domain Containing 2	4.22	1.88	0.35	0.64	-1.38	2.56E-01	-2.49	2.44E-02	0.23	9.53E-01	M-1
ENSMMUG00000003462	ANKRD6	Ankyrin Repeat Domain 6	9.32	8.68	3.30	1.06	-0.13	9.18E-01	-2.17	4.95E-03	-0.43	8.27E-01	M-1
ENSMMUG000000037890			11.83	17.98	2.40	0.07	-0.45	8.53E-01	-3.93	3.67E-02	-3.42	2.36E-01	M-1
ENSMMUG000000038684			19.35	15.77	0.50	0.08	-2.11	2.72E-01	-5.42	1.63E-03	-0.02	9.98E-01	M-1
ENSMMUG00000005093	KLHL32	Kelch Like Family Member 32	2.36	0.68	0.06	0.01	-2.10	2.71E-01	-5.32	2.75E-03	-0.49	9.38E-01	M-1
ENSMMUG00000040203	MMS22L	MMS22 Like, DNA Repair Protein	13.37	12.24	5.45	5.45	0.05	9.60E-01	-1.33	4.78E-02	-1.11	2.66E-01	M-1
ENSMMUG00000041172			12.62	46.00	10.62	13.21	1.05	3.02E-01	-1.92	3.66E-02	-0.97	5.71E-01	M-1
ENSMMUG00000013483	PREP	Prolyl Endopeptidase	26.36	40.91	10.28	4.80	0.59	5.16E-01	-2.16	2.88E-03	-0.37	8.42E-01	M-1
ENSMMUG00000043733			2.65	1.76	0.11	0.02	-0.78	8.17E-01	-7.85	1.56E-03	-0.93	9.01E-01	M-1
ENSMMUG00000045075			144.27	171.08	39.37	32.32	-0.07	9.57E-01	-2.22	4.94E-03	-0.37	8.60E-01	M-1
ENSMMUG00000011169	TIAM2	T-cell Lymphoma Invasion And Metastasis 2	17.24	10.86	1.46	0.61	-0.45	7.40E-01	-4.03	1.67E-05	0.11	9.76E-01	M-1
ENSMMUG00000019048	SYNE1	Spectrin Repeat Containing Nuclear Envelope Protein 1	15.13	12.44	0.70	1.11	-0.63	4.93E-01	-4.23	1.28E-09	0.75	6.13E-01	M-1
ENSMMUG00000029475	ZBTB2	Zinc Finger And BTB Domain Containing 2	17.12	24.28	5.29	5.83	0.78	4.18E-01	-2.18	6.33E-03	-0.10	9.74E-01	M-1
ENSMMUG00000019772	PLEKHG1	Pleckstrin Homology And RhoGEF Domain Containing G1	18.45	9.49	1.32	2.64	-0.53	6.73E-01	-5.04	1.60E-08	1.58	2.89E-01	M-1
ENSMMUG00000019443	STX11	Syntaxin 11	3.82	10.64	3.33	0.90	1.93	2.06E-01	-5.61	2.42E-05	1.91	4.35E-01	M-1
ENSMMUG00000003750	PLAGL1	PLAG1 Like Zinc Finger 1	1.07	0.73	0.01	0.02	-0.78	6.89E-01	-6.19	3.22E-05	2.57	3.12E-01	M-1
ENSMMUG00000019927	ARFGEF3	ARFGEF Family Member 3	3.27	1.25	0.15	0.09	-1.71	2.04E-01	-4.39	2.12E-04	0.18	9.69E-01	M-1
ENSMMUG00000016373			15.14	12.48	5.06	12.50	-0.21	8.43E-01	-1.59	3.13E-02	0.80	5.54E-01	M-1
ENSMMUG00000003708	PDE7B	Phosphodiesterase 7B	1.05	0.52	0.15	0.02	-1.26	5.42E-01	-6.15	5.99E-04	-0.95	8.30E-01	M-1
ENSMMUG00000009368	AHI1	Abelson Helper Integration Site 1	1.65	4.08	0.83	0.83	1.00	3.34E-01	-2.84	1.27E-03	-0.07	9.85E-01	M-1
ENSMMUG00000007758	EPB41L2	Erythrocyte Membrane Protein Band 4.1 Like 2	57.89	57.69	7.26	2.61	-0.17	8.77E-01	-3.81	1.86E-08	-1.12	3.43E-01	M-1
ENSMMUG00000042270			6.37	0.98	0.09	0.02	-2.65	2.46E-01	-4.81	2.92E-02	1.26	8.17E-01	M-1
ENSMMUG000000038120			4.81	3.54	0.11	0.00	-3.26	4.46E-01	-18.67	5.22E-08	0.87	9.46E-01	M-1
ENSMMUG00000029421			49.60	56.22	4.05	0.56	0.16	9.17E-01	-5.31	2.86E-09	-1.11	5.40E-01	M-1
ENSMMUG00000040490			37.14	9.25	0.48	0.63	-2.52	1.26E-01	-4.05	1.08E-02	-0.58	8.98E-01	M-1
ENSMMUG00000009491	HEY2	Hes Related Family BHLH Transcription Factor With YRPW Motif 2	11.30	9.79	1.90	0.75	-0.60	6.92E-01	-5.05	3.36E-06	-1.68	3.94E-01	M-1
ENSMMUG00000007911	SERINC1	Serine Incorporator 1	22.07	27.80	16.01	10.65	0.32	6.65E-01	-1.91	3.34E-04	0.76	4.22E-01	M-1
ENSMMUG00000007910	HSF2	Heat Shock Transcription Factor 2	2.95	5.36	1.15	1.89	1.29	3.56E-01	-2.99	1.26E-02	1.23	5.97E-01	M-1
ENSMMUG00000001806	ZUFSP	Zinc Finger With UFM1 Specific Peptidase Domain	7.16	7.19	1.91	5.99	0.01	9.96E-01	-1.86	1.73E-02	0.80	5.97E-01	M-1
ENSMMUG00000007409	DSE	Dermatan Sulfate Epimerase	4.31	1.92	0.14	0.04	-1.22	4.37E-01	-6.11	5.86E-06	0.90	7.97E-01	M-1
ENSMMUG000000037901			29.08	10.54	8.90	3.65	-1.52	1.13E-01	-2.04	2.49E-02	0.54	8.04E-01	M-1
ENSMMUG00000002174	TRAF3IP2	TRAF3 Interacting Protein 2	5.97	1.96	0.69	1.04	-0.49	7.40E-01	-2.55	1.91E-02	1.13	5.91E-01	M-1
ENSMMUG00000017520	MFSD4B	Major Facilitator Superfamily Domain Containing 4B	2.88	4.00	1.18	2.50	0.36	8.12E-01	-2.42	2.54E-02	0.81	7.38E-01	M-1
ENSMMUG00000014764	WASF1	WAS Protein Family Member 1	44.20	35.63	23.85	2.55	-0.04	9.74E-01	-2.44	1.72E-03	-1.10	4.24E-01	M-1
ENSMMUG00000007010	LOC700544	Coiled-coil Domain-containing Protein 162-like	0.96	0.63	0.01	0.07	-0.44	8.59E-01	-7.50	2.65E-05	3.11	2.75E-01	M-1
ENSMMUG00000018231	ARMC2	Armadillo Repeat Containing 2	12.43	6.39	1.28	0.69	-1.28	2.24E-01	-2.54	6.41E-03	-0.91	6.30E-01	M-1

ENSMMUG00000015341	ERMARD	ER Membrane Associated RNA Degradation	1.08	2.50	1.28	0.90	1.37	1.14E-01	-1.88	2.04E-02	1.50	2.12E-01	M-1
ENSMMUG00000021145	FAM120B	Family With Sequence Similarity 120B	65.46	41.50	4.06	2.90	-0.62	4.43E-01	-4.12	3.07E-11	0.50	7.37E-01	M-1
ENSMMUG00000019483			5.26	2.58	0.18	0.05	-1.53	3.87E-01	-4.89	1.80E-03	-0.09	9.89E-01	M-1
ENSMMUG00000008530			1.21	2.27	0.80	0.18	-0.10	9.53E-01	-2.77	1.16E-02	-1.74	3.24E-01	M-1
ENSMMUG00000008395	LOC720574	Golgin Subfamily A Member 8C-like	2.14	1.28	0.14	0.05	-2.22	1.24E-01	-3.33	2.56E-02	-1.42	6.61E-01	M-1
ENSMMUG00000012553	LOC695266	Putative Golgin Subfamily A Member 8D	2.67	1.65	0.36	0.03	-2.27	1.17E-01	-3.43	1.84E-02	-1.39	6.53E-01	M-1
ENSMMUG00000021656	LOC720095	Golgin Subfamily A Member 8M-like	2.32	1.90	0.34	0.09	-1.77	1.65E-01	-3.03	1.94E-02	-1.20	6.82E-01	M-1
ENSMMUG00000001811	FMN1	Formin 1	52.14	80.77	17.00	2.35	0.67	5.30E-01	-3.91	1.13E-06	-1.55	2.27E-01	M-1
ENSMMUG00000029785			0.68	2.50	0.12	0.07	0.46	8.72E-01	-6.60	7.55E-04	-0.31	9.68E-01	M-1
ENSMMUG00000005270	RYR3	Ryanodine Receptor 3	4.00	1.99	0.17	0.11	-1.75	7.22E-02	-3.54	6.53E-05	-0.98	5.84E-01	M-1
ENSMMUG00000046486	ZNF770	Zinc Finger Protein 770	9.10	14.98	9.17	9.83	0.94	1.55E-01	-1.44	1.73E-02	0.91	3.57E-01	M-1
ENSMMUG00000006840	MEIS2	Meis Homeobox 2	1.84	1.36	0.37	0.22	-0.90	5.94E-01	-4.90	1.52E-04	1.75	4.50E-01	M-1
ENSMMUG00000018333	RASGRP1	RAS Guanyl Releasing Protein 1	9.81	5.44	0.50	1.62	-0.57	5.92E-01	-4.33	5.31E-08	1.42	2.86E-01	M-1
ENSMMUG00000006035	THBS1	Thrombospondin 1	8.19	2.06	0.34	0.11	-1.87	1.02E-01	-4.31	6.26E-05	-0.38	9.11E-01	M-1
ENSMMUG00000006038	FSIP1	Fibrous Sheath Interacting Protein 1	1.92	1.01	0.33	0.47	-0.13	9.48E-01	-3.16	1.59E-02	1.97	3.54E-01	M-1
ENSMMUG00000016686			155.06	96.79	14.66	16.90	-1.03	1.65E-01	-2.68	2.90E-05	0.23	9.06E-01	M-1
ENSMMUG00000014462	KNSTRN	Kinetochores Localized Astrin/SPAG5 Binding Protein	7.96	4.69	2.53	2.53	-0.57	4.23E-01	-1.54	9.04E-03	0.41	7.64E-01	M-1
ENSMMUG00000000306	RMDN3	Regulator Of Microtubule Dynamics 3	38.74	20.11	4.73	7.49	-1.04	4.11E-01	-2.52	1.88E-02	1.35	4.73E-01	M-1
ENSMMUG00000008093	STARD9	StAR Related Lipid Transfer Domain Containing 9	5.09	3.86	0.52	0.14	-0.85	4.89E-01	-4.68	7.34E-07	0.24	9.44E-01	M-1
ENSMMUG00000022255	EPB42	Erythrocyte Membrane Protein Band 4.2	7.58	4.17	0.29	0.06	-1.56	2.86E-01	-6.07	2.88E-06	-0.81	8.03E-01	M-1
ENSMMUG00000022773			236.45	151.81	83.18	27.98	-0.42	5.12E-01	-1.13	3.50E-02	-1.22	8.58E-02	M-1
ENSMMUG00000022774	WDR76	WD Repeat Domain 76	148.65	133.60	10.18	5.90	-0.50	6.76E-01	-3.72	1.24E-05	-0.36	8.86E-01	M-1
ENSMMUG00000005856	GATM	Glycine Amidinotransferase	59.10	27.43	1.46	0.44	-1.31	2.06E-01	-4.45	3.39E-07	-0.93	6.12E-01	M-1
ENSMMUG00000015749	SQOR	Sulfide Quinone Oxidoreductase	10.06	2.09	0.24	0.33	-2.43	5.66E-02	-3.19	1.16E-02	0.59	8.58E-01	M-1
ENSMMUG00000018834	MYEF2	Myelin Expression Factor 2	11.05	5.17	2.27	1.11	-1.04	3.42E-01	-2.20	2.21E-02	1.28	4.51E-01	M-1
ENSMMUG0000004239	FBN1	Fibrillin 1	1.10	0.97	0.08	0.05	-0.16	9.15E-01	-3.48	2.51E-04	-0.77	7.32E-01	M-1
ENSMMUG00000009829	CEP152	Centrosomal Protein 152	17.03	29.47	8.28	4.26	0.46	5.39E-01	-1.67	4.76E-03	-0.85	4.01E-01	M-1
ENSMMUG00000009833	SHC4	SHC Adaptor Protein 4	26.32	24.97	4.02	0.21	-0.53	7.32E-01	-5.68	9.92E-08	-0.72	7.91E-01	M-1
ENSMMUG00000003684	ATP8B4	ATPase Phospholipid Transporting 8B4 (putative)	3.36	2.80	1.10	0.16	-1.88	2.58E-01	-3.78	1.28E-02	-2.03	4.31E-01	M-1
ENSMMUG00000002877	HDC	Histidine Decarboxylase	2.72	0.65	0.18	0.16	-2.66	1.24E-01	-4.14	1.39E-02	-1.17	7.61E-01	M-1
ENSMMUG00000008574	USP50	Ubiquitin Specific Peptidase 50	2.57	1.76	0.07	0.12	-2.43	2.56E-01	-5.10	1.44E-02	1.93	6.39E-01	M-1
ENSMMUG00000005976	GLDN	Gliomedin	6.16	7.47	0.42	0.01	-1.02	4.68E-01	-4.78	2.62E-05	-2.63	1.79E-01	M-1
ENSMMUG00000029652	MAPK6	Mitogen-activated Protein Kinase 6	128.88	122.52	58.01	28.28	-0.14	8.67E-01	-1.54	3.76E-03	-0.64	5.10E-01	M-1
ENSMMUG00000017372	BCL2L10	BCL2 Like 10	685.76	400.83	90.91	4.13	-1.36	2.05E-01	-3.85	2.63E-05	-1.36	4.07E-01	M-1
ENSMMUG00000003653	PRTG	Protogenin	3.17	3.47	0.65	0.50	-0.54	7.48E-01	-3.13	1.11E-02	-0.72	8.08E-01	M-1
ENSMMUG00000017801	RFX7	Regulatory Factor X7	21.08	32.97	2.12	0.36	0.40	7.93E-01	-4.75	3.15E-06	-1.40	4.63E-01	M-1
ENSMMUG00000019484	TEX9	Testis Expressed 9	2.01	1.01	0.70	0.27	-0.89	4.81E-01	-2.16	4.79E-02	-0.45	8.75E-01	M-1
ENSMMUG00000005179			37.62	16.93	7.31	6.94	-1.02	1.79E-01	-1.68	1.45E-02	0.00	9.99E-01	M-1
ENSMMUG00000012690	MYZAP	Myocardial Zonula Adherens Protein	9.84	7.02	3.59	1.88	-0.45	6.15E-01	-1.53	2.97E-02	-0.30	8.74E-01	M-1
ENSMMUG00000019504	ALDH1A2	Aldehyde Dehydrogenase 1 Family Member A2	9.25	5.25	0.64	0.04	-0.53	7.62E-01	-6.88	2.01E-08	-0.04	9.94E-01	M-1
ENSMMUG00000013089	RNF111	Ring Finger Protein 111	108.46	93.10	17.48	7.87	-0.28	7.97E-01	-3.05	2.74E-05	-0.15	9.58E-01	M-1
ENSMMUG00000016390	FAM81A	Family With Sequence Similarity 81 Member A	13.53	4.51	3.37	0.90	-1.01	4.75E-01	-3.20	5.64E-03	0.61	8.37E-01	M-1
ENSMMUG00000012000	ANXA2	Annexin A2	141.53	392.42	135.80	563.30	0.78	3.08E-01	-1.60	1.69E-02	1.46	1.13E-01	M-1
ENSMMUG00000011503	TLN2	Talin 2	19.72	9.20	1.71	4.51	-1.03	2.94E-01	-2.80	7.71E-04	1.78	1.48E-01	M-1

ENSMMUG0000001587	TPM1	Tropomyosin 1	36.66	14.28	4.13	10.10	-1.39	1.06E-01	-1.81	2.49E-02	1.39	2.53E-01	M-1
ENSMMUG00000013460	RAB8B	RAB8B, Member RAS Oncogene Family	21.53	36.64	8.11	3.96	0.69	4.75E-01	-1.89	1.92E-02	-1.97	6.71E-02	M-1
ENSMMUG00000012114	USP3	Ubiquitin Specific Peptidase 3	37.59	36.40	7.60	6.04	-0.18	8.90E-01	-3.62	7.77E-06	1.10	4.68E-01	M-1
ENSMMUG00000012117	HERC1	HECT And RLD Domain Containing E3 Ubiquitin Protein Ligase Family Member 1	4.25	3.23	2.19	3.99	0.09	9.03E-01	-1.13	1.99E-02	0.76	3.17E-01	M-1
ENSMMUG00000015455	SMAD3	SMAD Family Member 3	15.21	45.34	4.57	4.95	0.65	7.06E-01	-3.56	5.32E-03	2.44	2.03E-01	M-1
ENSMMUG00000021364	GLCE	Glucuronic Acid Epimerase	20.97	16.10	3.16	6.16	-0.63	6.12E-01	-2.37	1.56E-02	1.17	5.07E-01	M-1
ENSMMUG00000045257	LOC100427840	Putative Golgin Subfamily A Member 6C	12.79	7.30	0.84	0.76	-1.75	1.35E-01	-3.96	1.70E-04	0.63	8.12E-01	M-1
ENSMMUG00000002569	PML	Promyelocytic Leukemia	0.46	1.88	0.42	0.35	2.25	1.03E-01	-2.60	4.98E-02	0.47	8.99E-01	M-1
ENSMMUG00000011309	ADPGK	ADP Dependent Glucokinase	22.84	17.89	5.68	3.84	-0.49	6.17E-01	-1.83	1.77E-02	0.25	9.12E-01	M-1
ENSMMUG00000013685	BBS4	Bardet-Biedl Syndrome 4	35.32	21.30	5.89	1.38	-0.20	9.00E-01	-3.50	3.06E-04	-0.52	8.38E-01	M-1
ENSMMUG00000043428			43.69	38.93	18.66	13.13	-0.01	9.91E-01	-1.98	1.04E-03	0.31	8.49E-01	M-1
ENSMMUG00000022733	LOC715898	Putative Golgin Subfamily A Member 6C	53.15	14.22	2.53	0.31	-1.64	1.56E-01	-4.26	2.63E-05	-0.78	7.53E-01	M-1
ENSMMUG00000009281	SIN3A	SIN3 Transcription Regulator Family Member A	80.81	83.87	21.69	14.62	-0.01	9.95E-01	-2.10	2.73E-05	-0.51	6.25E-01	M-1
ENSMMUG00000003783	PTPN9	Protein Tyrosine Phosphatase, Non-receptor Type 9	25.69	12.17	2.93	3.80	-0.98	2.02E-01	-2.26	7.00E-04	0.34	8.45E-01	M-1
ENSMMUG00000020882	NRG4	Neuregulin 4	18.57	8.60	2.02	0.75	-1.53	3.43E-01	-3.80	7.29E-03	-0.60	8.82E-01	M-1
ENSMMUG00000011047	SCAPER	S-phase Cyclin A Associated Protein In The ER	12.31	11.37	3.57	3.03	-0.02	9.82E-01	-2.00	9.82E-04	-0.06	9.78E-01	M-1
ENSMMUG00000043684	LOC106995855	Putative Golgin Subfamily A Member 6B	19.87	5.52	5.88	0.45	-1.96	1.34E-01	-4.82	3.50E-05	0.98	7.06E-01	M-1
ENSMMUG00000000534	KIAA1024	KIAA1024 Ortholog	6.31	2.90	0.07	0.06	-1.18	3.92E-01	-4.49	1.22E-04	-1.18	6.56E-01	M-1
ENSMMUG00000011555	IL16	Interleukin 16	2.11	2.23	0.20	0.18	-0.37	8.41E-01	-5.11	2.61E-05	0.38	9.20E-01	M-1
ENSMMUG00000011326			5.77	14.11	1.12	1.68	1.11	4.79E-01	-4.78	1.31E-04	2.53	1.86E-01	M-1
ENSMMUG00000010432	ZNF592	Zinc Finger Protein 592	30.14	24.25	5.53	3.96	-0.59	5.66E-01	-2.69	7.41E-04	0.13	9.66E-01	M-1
ENSMMUG00000001254	TICRR	TOPBP1 Interacting Checkpoint And Replication Regulator	58.91	43.41	11.16	11.92	-0.60	4.53E-01	-1.48	2.92E-02	-0.42	7.90E-01	M-1
ENSMMUG00000023816	SEMA4B	Semaphorin 4B	19.75	15.01	5.02	4.84	-0.10	9.51E-01	-2.63	9.33E-03	0.62	8.03E-01	M-1
ENSMMUG00000020107			1.44	6.36	0.15	0.25	1.98	5.51E-01	-9.22	6.64E-04	2.81	6.05E-01	M-1
ENSMMUG00000008886	CRTC3	CREB Regulated Transcription Coactivator 3	14.24	9.36	1.67	1.73	-0.98	4.20E-01	-3.12	1.76E-03	0.05	9.88E-01	M-1
ENSMMUG00000005109	PRC1	Protein Regulator Of Cytokinesis 1	98.66	60.86	29.79	18.77	-0.54	3.68E-01	-1.71	4.68E-04	0.16	9.16E-01	M-1
ENSMMUG00000001740	SLCO3A1	Solute Carrier Organic Anion Transporter Family Member 3A1	7.76	2.21	0.14	0.07	-1.74	1.69E-01	-3.39	4.38E-03	-1.64	4.73E-01	M-1
ENSMMUG00000017381	RGMA	Repulsive Guidance Molecule Family Member A	3.10	3.14	0.12	0.02	0.27	9.01E-01	-5.35	7.88E-05	-1.45	6.15E-01	M-1
ENSMMUG00000040931			18.89	6.15	0.64	0.79	-1.22	3.51E-01	-6.98	7.07E-08	2.99	1.06E-01	M-1
ENSMMUG00000004787	MCTP2	Multiple C2 And Transmembrane Domain Containing 2	6.23	3.37	0.90	1.00	-0.49	6.76E-01	-3.29	1.02E-04	1.21	4.31E-01	M-1
ENSMMUG00000046172			22.96	20.21	4.01	1.94	-0.24	8.37E-01	-2.55	1.38E-03	-0.86	5.91E-01	M-1
ENSMMUG00000012305	IGF1R	Insulin Like Growth Factor 1 Receptor	26.06	10.28	3.78	1.87	-1.40	8.20E-02	-2.07	5.87E-03	-1.19	3.26E-01	M-1
ENSMMUG00000005224	TTC23	Tetratricopeptide Repeat Domain 23	1.48	1.86	0.28	1.57	1.16	2.59E-01	-3.50	7.20E-05	1.97	1.29E-01	M-1
ENSMMUG00000021160	ADAMTS17	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 17	1.50	3.77	0.29	0.04	1.65	2.15E-01	-4.05	5.54E-04	-1.77	4.23E-01	M-1
ENSMMUG00000016503	LINS1	Lines Homolog 1	11.68	6.24	2.24	1.84	-1.10	2.85E-01	-2.26	1.25E-02	0.13	9.68E-01	M-1
ENSMMUG00000000278	TARSL2	Threonyl-tRNA Synthetase Like 2	1.57	0.65	0.20	0.07	-1.44	2.15E-01	-3.81	4.65E-04	0.12	9.76E-01	M-1

ENSMMUG00000019126	PNP	Purine Nucleoside Phosphorylase	5.52	8.72	0.96	1.55	-0.95	5.94E-01	-4.43	2.40E-03	2.24	3.63E-01	M-1
ENSMMUG00000005496	RNASE4	Ribonuclease, RNase A Family, 4	1.84	1.47	0.03	0.36	-1.29	5.88E-01	-4.61	2.05E-02	4.92	6.63E-02	M-1
ENSMMUG000000040922			2.05	2.77	1.21	1.65	0.57	5.75E-01	-1.87	2.47E-02	1.25	3.51E-01	M-1
ENSMMUG00000015002	CHD8	Chromodomain Helicase DNA Binding Protein 8	27.58	50.32	21.40	13.71	0.84	7.46E-02	-1.29	3.30E-03	-0.56	4.80E-01	M-1
ENSMMUG00000015004	TOX4	TOX High Mobility Group Box Family Member 4	57.91	78.18	33.86	13.32	0.37	6.49E-01	-1.89	1.84E-03	-0.45	7.51E-01	M-1
ENSMMUG00000014997	METTL3	Methyltransferase Like 3	25.16	29.62	2.79	5.01	0.07	9.50E-01	-3.30	3.84E-07	0.29	8.78E-01	M-1
ENSMMUG00000008477	C7H14orf93	Chromosome 7 Open Reading Frame, Human C14orf93	0.84	2.94	0.27	0.53	2.58	1.91E-01	-4.49	1.18E-02	3.10	2.59E-01	M-1
ENSMMUG00000012474	RNF31	Ring Finger Protein 31	12.70	10.72	2.96	5.08	-0.75	4.12E-01	-1.59	4.57E-02	0.32	8.78E-01	M-1
ENSMMUG00000011514	COCH	Cochlin	2.07	7.01	0.43	0.12	1.09	6.04E-01	-4.93	2.54E-03	0.05	9.94E-01	M-1
ENSMMUG00000015128	AKAP6	A-kinase Anchoring Protein 6	13.85	9.70	0.70	0.81	-1.40	1.15E-01	-3.97	2.96E-07	-0.11	9.72E-01	M-1
ENSMMUG000000042622			5.77	11.58	2.60	2.48	0.54	6.63E-01	-2.03	3.84E-02	-0.16	9.64E-01	M-1
ENSMMUG00000017678	KLHL28	Kelch Like Family Member 28	11.90	7.18	2.84	2.05	-0.64	5.14E-01	-1.84	2.07E-02	0.21	9.36E-01	M-1
ENSMMUG00000003914	KLHDC1	Kelch Domain Containing 1	4.77	4.88	0.09	0.04	-0.34	8.90E-01	-5.96	1.48E-04	0.45	9.32E-01	M-1
ENSMMUG00000018274	FRMD6	FERM Domain Containing 6	19.36	21.80	8.96	15.78	-0.10	9.41E-01	-2.00	2.20E-02	1.48	2.64E-01	M-1
ENSMMUG00000010392	GNG2	G Protein Subunit Gamma 2	2.33	8.34	0.07	0.12	0.00	1.00E+00	-8.56	2.30E-05	3.19	3.81E-01	M-1
ENSMMUG000000042865			0.64	0.47	0.11	0.00	-1.97	7.37E-01	-17.08	4.10E-05	-0.04	9.98E-01	M-1
ENSMMUG00000000429	BMP4	Bone Morphogenetic Protein 4	7.56	20.05	0.35	0.76	1.71	1.79E-01	-5.56	3.52E-07	1.53	4.54E-01	M-1
ENSMMUG000000021757	PELI2	Pellino E3 Ubiquitin Protein Ligase Family Member 2	1.75	1.58	0.39	0.23	-0.46	8.36E-01	-4.15	9.37E-03	-1.18	7.38E-01	M-1
ENSMMUG000000038006	OTX2	Orthodenticle Homeobox 2	419.85	#####	108.99	11.42	1.08	2.82E-01	-4.64	1.46E-08	-1.43	2.99E-01	M-1
ENSMMUG000000021311	NAA30	N(alpha)-acetyltransferase 30, NatC Catalytic Subunit	125.53	84.36	10.04	8.38	-0.58	6.01E-01	-3.22	9.75E-05	0.08	9.79E-01	M-1
ENSMMUG00000003514	ARID4A	AT-rich Interaction Domain 4A	5.37	8.08	3.72	4.48	0.58	3.77E-01	-1.15	4.46E-02	0.55	6.17E-01	M-1
ENSMMUG00000001084	KIAA0586	KIAA0586 Ortholog	12.77	6.37	2.91	3.50	-0.77	3.31E-01	-1.47	3.51E-02	0.55	7.10E-01	M-1
ENSMMUG000000022839	ESR2	Estrogen Receptor 2	27.44	17.24	1.86	0.28	-1.53	2.25E-01	-4.65	1.43E-05	-1.64	3.91E-01	M-1
ENSMMUG000000019172	SPTB	Spectrin Beta, Erythrocytic	3.49	2.43	0.47	1.14	-0.59	6.67E-01	-4.16	3.81E-05	1.63	3.33E-01	M-1
ENSMMUG000000004339	RAB15	RAB15, Member RAS Oncogene Family	25.58	29.29	2.31	0.67	-0.42	7.70E-01	-4.30	1.32E-05	-1.08	5.93E-01	M-1
ENSMMUG00000013848	FUT8	Fucosyltransferase 8	33.00	31.96	4.99	10.12	-0.03	9.82E-01	-2.91	3.03E-04	1.26	3.56E-01	M-1
ENSMMUG00000015865	ARG2	Arginase 2	141.40	142.79	15.24	3.74	-0.33	7.20E-01	-3.52	2.08E-08	-1.72	5.11E-02	M-1
ENSMMUG00000019346	DCAF5	DDB1 And CUL4 Associated Factor 5	37.12	25.00	1.75	11.41	-1.28	2.09E-01	-3.56	3.96E-05	2.23	6.67E-02	M-1
ENSMMUG000000012136	CCDC177	Coiled-coil Domain Containing 177	4.54	2.52	0.06	0.02	-1.51	3.24E-01	-5.48	2.98E-05	-1.28	6.75E-01	M-1
ENSMMUG000000020067	SIPA1L1	Signal Induced Proliferation Associated 1 Like 1	110.23	68.31	5.85	3.30	-0.92	3.16E-01	-4.53	7.56E-10	0.23	9.26E-01	M-1
ENSMMUG000000010173	PSEN1	Presenilin 1	47.28	44.14	9.38	8.44	0.02	9.83E-01	-2.47	7.40E-07	-0.14	9.36E-01	M-1
ENSMMUG000000020195	PAPLN	Papilin, Proteoglycan Like Sulfated Glycoprotein	1.72	1.05	0.05	0.04	-2.03	2.58E-01	-4.25	1.17E-02	-1.84	5.82E-01	M-1
ENSMMUG000000004913	ELMSAN1	ELM2 And Myb/SANT Domain Containing 1	12.11	16.68	3.04	3.21	0.36	7.27E-01	-2.08	4.80E-03	-0.22	9.20E-01	M-1
ENSMMUG000000011147	FAM161B	Family With Sequence Similarity 161 Member B	5.51	3.57	0.62	0.23	-1.61	2.62E-01	-3.23	1.23E-02	-1.57	5.00E-01	M-1
ENSMMUG000000012684	ALDH6A1	Aldehyde Dehydrogenase 6 Family Member A1	11.37	27.89	16.29	16.17	1.04	1.76E-01	-1.56	2.76E-02	0.27	8.92E-01	M-1
ENSMMUG000000004260	DLST	Dihydroliipoamide S-succinyltransferase	153.53	102.42	33.40	17.93	-0.81	2.24E-01	-2.35	3.12E-05	-0.57	6.32E-01	M-1
ENSMMUG00000001092	TMEM63C	Transmembrane Protein 63C	1.60	3.32	0.05	0.04	-1.07	5.54E-01	-3.58	1.81E-02	-2.60	2.66E-01	M-1

ENSMMUG00000013551	VIPAS39	VPS33B Interacting Protein, Apical-basolateral Polarity Regulator, Spe-39 Homolog	40.92	56.44	9.86	8.49	0.15	8.96E-01	-2.65	2.36E-04	-0.08	9.77E-01	M-1
ENSMMUG00000005402	SNW1	SNW Domain Containing 1	300.89	184.32	57.83	38.73	-0.72	2.42E-01	-1.73	1.04E-03	-0.51	6.39E-01	M-1
ENSMMUG00000013842	NRXN3	Neurexin 3	2.12	2.45	0.31	0.05	0.06	9.71E-01	-3.10	4.10E-03	-2.41	1.41E-01	M-1
ENSMMUG00000019710	CEP128	Centrosomal Protein 128	23.08	39.46	14.62	10.88	0.71	5.19E-02	-1.68	2.78E-07	-0.35	6.14E-01	M-1
ENSMMUG00000009575	PTPN21	Protein Tyrosine Phosphatase, Non-receptor Type 21	14.37	7.37	2.41	4.02	-0.93	2.07E-01	-1.66	1.17E-02	0.94	3.98E-01	M-1
ENSMMUG00000004606	EML5	Echinoderm Microtubule Associated Protein Like 5	3.57	4.30	1.11	1.05	-0.01	9.96E-01	-2.75	2.42E-03	0.42	8.63E-01	M-1
ENSMMUG00000004460	TDP1	Tyrosyl-DNA Phosphodiesterase 1	49.92	14.89	8.91	2.32	-1.61	5.63E-02	-2.29	3.82E-03	-0.29	9.00E-01	M-1
ENSMMUG000000048425	CALM1	Calmodulin 1	86.18	61.26	41.84	53.66	-0.42	5.43E-01	-1.22	2.83E-02	1.06	1.91E-01	M-1
ENSMMUG000000020687	CCDC88C	Coiled-coil Domain Containing 88C	9.95	2.70	0.86	1.65	-1.60	8.97E-02	-2.78	1.26E-03	1.58	2.39E-01	M-1
ENSMMUG000000011745	TC2N	Tandem C2 Domains, Nuclear	28.86	13.27	4.80	8.18	-0.67	5.49E-01	-1.92	3.70E-02	-0.09	9.77E-01	M-1
ENSMMUG00000008447	FBLN5	Fibulin 5	7.22	2.75	0.26	0.10	-0.98	4.60E-01	-5.00	2.80E-06	-0.64	8.20E-01	M-1
ENSMMUG000000029233	RIN3	Ras And Rab Interactor 3	3.07	1.21	0.10	0.36	-2.12	1.54E-01	-3.56	1.01E-02	1.65	5.14E-01	M-1
ENSMMUG000000012400	ASB2	Ankyrin Repeat And SOCS Box Containing 2	1.59	0.59	0.17	0.27	-0.82	7.04E-01	-3.44	4.22E-02	1.17	7.52E-01	M-1
ENSMMUG000000021295	PPP4R4	Protein Phosphatase 4 Regulatory Subunit 4	29.97	19.05	1.95	1.17	-0.45	6.52E-01	-4.02	1.70E-08	-1.60	1.47E-01	M-1
ENSMMUG000000015838	TCL1B	T-cell Leukemia/lymphoma 1B	127.53	39.39	5.37	6.23	-2.01	7.34E-02	-3.29	1.86E-03	0.33	9.20E-01	M-1
ENSMMUG000000015839			125.71	51.14	1.68	1.39	-2.08	1.43E-01	-4.31	8.53E-04	-0.49	9.02E-01	M-1
ENSMMUG000000001201	CCNK	Cyclin K	34.25	52.57	25.82	18.39	0.61	1.59E-01	-1.16	2.39E-03	-0.23	8.12E-01	M-1
ENSMMUG000000048658			21.81	17.51	1.83	0.14	-1.90	3.85E-01	-7.40	1.87E-04	0.53	9.38E-01	M-1
ENSMMUG000000007135	WDR20	WD Repeat Domain 20	63.63	58.84	10.09	3.02	-0.09	9.41E-01	-4.11	5.96E-09	0.19	9.40E-01	M-1
ENSMMUG000000003484	TECPR2	Tectonin Beta-propeller Repeat Containing 2	2.24	4.71	0.80	1.04	0.89	4.36E-01	-2.65	4.80E-03	-0.24	9.38E-01	M-1
ENSMMUG000000008380	CDC42BPB	CDC42 Binding Protein Kinase Beta	38.50	28.92	12.21	14.57	-0.41	7.19E-01	-2.13	1.16E-02	0.75	6.69E-01	M-1
ENSMMUG000000018123	PPP1R13B	Protein Phosphatase 1 Regulatory Subunit 13B	79.72	63.73	12.34	5.56	-0.42	5.08E-01	-2.85	2.15E-09	-0.84	2.98E-01	M-1
ENSMMUG000000006243	TDRD9	Tudor Domain Containing 9	4.57	5.97	0.68	0.59	0.12	9.39E-01	-2.81	3.14E-03	0.03	9.93E-01	M-1
ENSMMUG000000001044	AKT1	AKT Serine/threonine Kinase 1	12.75	20.39	3.08	3.34	-0.91	5.44E-01	-3.29	5.88E-03	2.67	1.11E-01	M-1
ENSMMUG000000010576	CEP170B	Centrosomal Protein 170B	3.19	1.65	0.68	1.04	0.06	9.75E-01	-3.18	9.24E-03	0.94	7.30E-01	M-1
ENSMMUG000000015202			58.00	35.94	1.37	0.25	-1.13	3.31E-01	-4.97	2.54E-07	-2.06	1.89E-01	M-1
ENSMMUG000000040771			18.82	10.98	0.50	0.09	-1.00	4.28E-01	-5.53	2.57E-07	-1.65	4.31E-01	M-1
ENSMMUG000000030305			342.26	435.95	27.70	2.18	0.55	6.96E-01	-5.01	3.60E-07	-2.63	5.82E-02	M-1
ENSMMUG000000011897			6.09	4.63	1.53	4.29	-0.18	9.19E-01	-2.94	1.43E-02	0.88	7.40E-01	M-1
ENSMMUG000000007514	ZBED1	Zinc Finger BED-type Containing 1	9.17	13.00	3.22	7.31	0.78	4.97E-01	-1.92	4.72E-02	-0.16	9.64E-01	M-1
ENSMMUG000000006193	SHROOM2	Shroom Family Member 2	19.13	10.97	3.11	4.38	-0.90	3.86E-01	-1.99	2.49E-02	0.25	9.24E-01	M-1
ENSMMUG000000013635	CLCN4	Chloride Voltage-gated Channel 4	4.74	2.14	0.02	0.01	-2.01	2.20E-01	-7.23	8.74E-06	-0.67	8.92E-01	M-1
ENSMMUG000000003896	ARHGAP6	Rho GTPase Activating Protein 6	4.33	0.98	0.04	0.14	-2.40	5.62E-02	-5.74	6.23E-06	2.83	1.30E-01	M-1
ENSMMUG000000002689	MSL3	MSL Complex Subunit 3	28.32	13.92	6.75	2.98	-0.82	3.57E-01	-2.10	5.36E-03	-0.76	6.13E-01	M-1
ENSMMUG000000019415	GPM6B	Glycoprotein M6B	9.36	12.41	1.31	1.42	0.43	7.85E-01	-3.38	1.92E-03	0.01	9.98E-01	M-1
ENSMMUG000000017842	MOSPD2	Motile Sperm Domain Containing 2	13.13	9.21	1.62	3.06	-0.31	7.78E-01	-2.90	1.25E-04	1.24	3.24E-01	M-1
ENSMMUG000000016238	RBBP7	RB Binding Protein 7, Chromatin Remodeling Factor	367.75	254.78	73.57	29.28	-0.42	6.35E-01	-2.69	3.31E-05	-0.26	8.93E-01	M-1
ENSMMUG000000010598	REPS2	RALBP1 Associated Eps Domain Containing 2	21.78	5.97	2.07	0.32	-1.92	8.17E-02	-3.50	5.70E-04	-1.32	4.89E-01	M-1
ENSMMUG000000012899	SCML1	Scm Polycomb Group Protein Like 1	5.58	3.65	1.44	0.46	-0.28	8.28E-01	-1.96	3.61E-02	-1.64	2.45E-01	M-1
ENSMMUG000000004745	BCLAF3	BCLAF1 And THRAP3 Family Member 3	23.71	14.58	6.39	5.00	-0.65	5.20E-01	-2.06	1.22E-02	1.09	4.47E-01	M-1

ENSMMUG0000007500	CNKS2	Connector Enhancer Of Kinase Suppressor Of Ras 2	3.58	2.25	0.50	0.06	-1.54	1.29E-01	-2.68	4.01E-03	-1.07	5.54E-01	M-1
ENSMMUG00000023589	PHEX	Phosphate Regulating Endopeptidase Homolog X-linked	35.06	21.84	3.34	0.56	-0.62	6.52E-01	-4.18	3.02E-05	-1.51	4.08E-01	M-1
ENSMMUG0000001088	PTCHD1	Patched Domain Containing 1	1.61	1.01	0.26	0.08	-0.50	8.60E-01	-5.33	6.93E-03	1.01	8.51E-01	M-1
ENSMMUG00000022849	MAGEB10	Melanoma Antigen Family B, 10	0.43	1.65	0.03	0.18	2.71	2.53E-01	-7.05	8.72E-04	3.72	2.78E-01	M-1
ENSMMUG00000001663	IL1RAPL1	Interleukin 1 Receptor Accessory Protein Like 1	19.49	8.50	1.04	0.52	-1.75	1.33E-01	-5.10	7.24E-07	1.46	4.43E-01	M-1
ENSMMUG00000019345	LOC707966	Dystrophin-like	25.98	22.69	4.99	1.38	-0.18	8.75E-01	-2.71	2.15E-04	-0.97	4.74E-01	M-1
ENSMMUG00000006967	LANCL3	LanC Like 3	2.01	0.33	1.84	0.06	-3.29	1.38E-01	-7.58	4.35E-04	-0.85	8.94E-01	M-1
ENSMMUG00000022734	LOC701233	Type-1 Protein Phosphatase Inhibitor 4	2.68	8.60	0.16	0.02	0.02	9.95E-01	-10.06	1.36E-05	-0.65	9.36E-01	M-1
ENSMMUG00000019489	MAOA	Amine Oxidase [flavin-containing] A	11.93	17.32	1.89	0.63	0.16	9.15E-01	-2.35	1.64E-02	-1.70	2.59E-01	M-1
ENSMMUG00000016391	EFHC2	EF-hand Domain Containing 2	2.23	0.99	0.11	0.07	-0.92	5.70E-01	-4.89	1.46E-04	1.47	5.62E-01	M-1
ENSMMUG00000023016	JADE3	Jade Family PHD Finger 3	6.76	6.13	3.37	1.66	-0.39	6.81E-01	-1.57	2.86E-02	0.02	9.95E-01	M-1
ENSMMUG00000011426	TIMP1	TIMP Metallopeptidase Inhibitor 1	51.29	98.67	1.21	3.58	1.29	3.91E-01	-7.80	1.46E-10	2.91	1.04E-01	M-1
ENSMMUG00000015396	WDR13	WD Repeat Domain 13	1.39	6.36	0.46	1.20	1.83	3.67E-01	-4.31	1.34E-02	3.40	1.90E-01	M-1
ENSMMUG00000023494	TFE3	Transcription Factor Binding To IGHM Enhancer 3	5.44	6.12	1.72	2.56	0.30	8.26E-01	-2.12	2.95E-02	0.89	6.46E-01	M-1
ENSMMUG00000020557	GPKOW	G-patch Domain And KOW Motifs	14.43	14.36	5.17	2.62	0.05	9.60E-01	-1.59	1.50E-02	-1.13	2.62E-01	M-1
ENSMMUG00000002193			23.75	18.34	5.77	5.88	-0.06	9.49E-01	-1.97	8.38E-04	0.54	6.76E-01	M-1
ENSMMUG00000002593	TSPYL2	TSPY Like 2	8.79	25.91	6.61	3.43	1.56	1.15E-01	-1.85	5.00E-02	-0.67	7.43E-01	M-1
ENSMMUG00000009295	RIBC1	RIB43A Domain With Coiled-coils 1	1.61	1.29	0.27	0.69	-0.62	6.66E-01	-3.02	6.22E-03	2.00	2.45E-01	M-1
ENSMMUG00000008751	PHF8	PHD Finger Protein 8	52.45	24.43	12.09	7.74	-0.97	1.67E-01	-1.51	1.89E-02	-0.46	7.52E-01	M-1
ENSMMUG00000005433	WNK3	WNK Lysine Deficient Protein Kinase 3	19.09	33.68	6.78	2.35	0.73	3.31E-01	-2.36	1.42E-04	-1.24	1.95E-01	M-1
ENSMMUG000000040442			25.21	19.97	6.29	16.98	-0.61	5.48E-01	-1.69	4.28E-02	1.26	3.38E-01	M-1
ENSMMUG00000016233	ARHGEF9	Cdc42 Guanine Nucleotide Exchange Factor 9	4.39	5.94	0.22	0.76	0.54	7.45E-01	-4.84	2.63E-05	2.04	2.82E-01	M-1
ENSMMUG00000006916	ZC4H2	Zinc Finger C4H2-type Containing	6.74	5.13	3.87	0.63	0.34	8.13E-01	-2.52	1.36E-02	-1.19	5.22E-01	M-1
ENSMMUG00000013940	LOC695574	Chromosome-associated Kinesin KIF4A	46.10	25.93	13.43	12.33	-0.72	2.54E-01	-1.82	7.36E-04	0.95	2.66E-01	M-1
ENSMMUG00000013948	DLG3	Discs Large MAGUK Scaffold Protein 3	8.89	7.18	2.67	10.09	-0.17	9.01E-01	-2.26	1.09E-02	2.04	9.20E-02	M-1
ENSMMUG00000021924	NHSL2	NHS Like 2	2.80	2.43	0.96	0.04	-0.78	7.17E-01	-3.45	4.24E-02	-3.35	2.06E-01	M-1
ENSMMUG000000042686	RTL5	Retrotransposon Gag Like 5	2.39	4.42	0.62	0.08	1.06	5.04E-01	-5.14	4.41E-05	-1.37	5.90E-01	M-1
ENSMMUG00000021206			12.89	8.53	2.21	1.20	-0.63	6.23E-01	-2.60	9.70E-03	0.48	8.57E-01	M-1
ENSMMUG00000009170			16.22	25.10	3.80	0.83	0.35	8.19E-01	-3.66	4.36E-04	-0.63	8.11E-01	M-1
ENSMMUG00000020532	RPS6KA6	Ribosomal Protein S6 Kinase A6	2.89	3.96	0.44	0.79	0.72	6.16E-01	-3.41	1.73E-03	0.53	8.54E-01	M-1
ENSMMUG00000013603	ZNF711	Zinc Finger Protein 711	0.47	1.62	0.41	0.11	3.10	5.35E-02	-3.74	1.57E-02	-0.47	9.17E-01	M-1
ENSMMUG00000020862	DIAPH2	Diaphanous Related Formin 2	43.60	32.32	13.14	10.09	-0.46	5.56E-01	-2.28	1.50E-04	0.81	4.64E-01	M-1
ENSMMUG00000008211	SYTL4	Synaptotagmin Like 4	40.02	34.58	0.48	0.60	-0.38	7.71E-01	-6.06	7.88E-12	-0.02	9.96E-01	M-1
ENSMMUG00000003419	BHLHB9	Basic Helix-loop-helix Family Member B9	11.94	5.29	0.85	1.07	-1.36	1.52E-01	-3.22	1.04E-04	1.06	4.97E-01	M-1
ENSMMUG00000003502			25.58	21.09	1.27	0.99	-0.82	4.79E-01	-3.84	2.61E-05	-0.48	8.46E-01	M-1
ENSMMUG00000008207	TSC22D3	TSC22 Domain Family Member 3	0.59	0.49	0.20	0.06	-0.63	8.26E-01	-5.32	9.07E-03	2.75	4.44E-01	M-1
ENSMMUG00000016666	CHRDL1	Chordin Like 1	2.37	2.37	0.04	0.18	-0.14	9.59E-01	-7.52	5.66E-05	3.00	3.27E-01	M-1
ENSMMUG00000017323	LRCH2	Leucine Rich Repeats And Calponin Homology Domain Containing 2	2.09	1.92	0.32	0.09	0.74	8.09E-01	-5.43	1.31E-02	0.38	9.63E-01	M-1
ENSMMUG00000017109	PNP	Purine Nucleoside Phosphorylase	5.15	9.10	0.84	1.37	-1.25	4.75E-01	-4.10	7.10E-03	1.59	5.97E-01	M-1

ENSMMUG00000014466	PGRMC1	Progesterone Receptor Membrane Component 1	30.61	8.76	7.14	3.39	-1.27	3.20E-01	-2.95	8.24E-03	0.85	7.33E-01	M-1
ENSMMUG00000017669	SEPT6	Septin 6	0.37	0.61	0.13	0.43	1.35	4.76E-01	-4.64	3.83E-03	0.67	8.79E-01	M-1
ENSMMUG00000011076	ZBTB33	Zinc Finger And BTB Domain Containing 33	108.36	66.83	23.53	12.96	-0.85	2.19E-01	-2.21	1.86E-04	-0.09	9.69E-01	M-1
ENSMMUG00000023574	C1GALT1C1	C1GALT1 Specific Chaperone 1	1.69	6.79	3.09	3.70	2.30	1.01E-01	-2.95	2.66E-02	1.41	5.69E-01	M-1
ENSMMUG00000011474	XPNPEP2	X-prolyl Aminopeptidase 2	1.61	0.98	0.02	0.14	-1.63	3.11E-01	-6.87	9.98E-06	3.90	6.56E-02	M-1
ENSMMUG00000008389	RBMX2	RNA Binding Motif Protein, X-linked 2	91.33	42.04	18.35	5.02	-1.29	5.86E-02	-1.75	6.18E-03	-0.91	4.05E-01	M-1
ENSMMUG00000048745	RAP2A	RAP2A, Member Of RAS Oncogene Family	17.28	6.88	3.21	2.32	-1.02	3.19E-01	-2.86	8.27E-04	1.17	4.46E-01	M-1
ENSMMUG00000022505	MOSPD1	Motile Sperm Domain Containing 1	22.83	15.94	3.98	2.42	-0.44	7.46E-01	-2.63	8.04E-03	0.14	9.69E-01	M-1
ENSMMUG00000042649			15.85	30.05	0.97	0.26	-0.24	9.41E-01	-4.45	3.94E-02	-0.41	9.60E-01	M-1
ENSMMUG00000000466	AFF2	AF4/FMR2 Family Member 2	23.69	28.35	4.21	0.88	-0.39	7.71E-01	-3.15	6.88E-04	-1.27	4.48E-01	M-1
ENSMMUG00000000671			10.25	6.15	0.87	0.71	-0.49	6.81E-01	-3.72	1.28E-05	-0.15	9.64E-01	M-1
ENSMMUG00000006801	CXHXorf40A	Chromosome X Open Reading Frame, Human CXorf40A	9.68	17.35	4.66	3.23	0.43	6.98E-01	-2.12	9.71E-03	0.37	8.64E-01	M-1
ENSMMUG00000040826			0.80	1.81	0.80	0.48	0.50	7.94E-01	-2.92	3.98E-02	2.57	2.17E-01	M-1
ENSMMUG00000022371	MTM1	Myotubularin 1	15.56	12.55	3.00	5.55	0.03	9.85E-01	-2.73	1.06E-03	1.93	1.04E-01	M-1
ENSMMUG00000040955	LOC106995364	Melanoma-associated Antigen 3-like	0.84	5.30	0.45	0.06	0.73	7.64E-01	-5.10	5.25E-03	-1.88	6.04E-01	M-1
ENSMMUG00000048516			1.87	8.30	1.54	0.07	1.28	4.79E-01	-5.30	4.50E-04	-2.73	2.59E-01	M-1
ENSMMUG00000020743	CETN2	Centrin 2	32.19	52.22	14.88	19.87	0.41	7.36E-01	-2.28	9.71E-03	1.84	1.44E-01	M-1
ENSMMUG00000013386	ZNF275	Zinc Finger Protein 275	8.15	4.85	3.21	0.86	-0.89	3.43E-01	-2.02	1.26E-02	0.54	7.72E-01	M-1
ENSMMUG00000029032	LOC697254	L-threonine 3-dehydrogenase, Mitochondrial	21.50	15.22	1.00	0.10	-1.00	5.42E-01	-4.40	8.15E-04	-3.61	6.09E-02	M-1
ENSMMUG00000010180	SOX7	SRY-box 7	6.51	9.19	2.46	1.82	0.23	8.58E-01	-1.90	2.69E-02	-0.20	9.45E-01	M-1
ENSMMUG00000044812	VPS37A	VPS37A, ESCRT-I Subunit	66.15	31.82	17.43	12.40	-1.07	1.12E-01	-1.53	1.43E-02	0.40	7.87E-01	M-1
ENSMMUG00000001151	MTUS1	Microtubule Associated Scaffold Protein 1	73.11	65.15	11.47	18.29	-0.23	8.50E-01	-3.47	4.33E-06	1.74	1.21E-01	M-1
ENSMMUG00000021680	NAT2	N-acetyltransferase 2 (arylamine N-acetyltransferase)	2.65	0.41	0.04	0.06	-2.17	1.43E-01	-3.83	1.68E-02	-0.03	9.97E-01	M-1
ENSMMUG00000016385	PSD3	Pleckstrin And Sec7 Domain Containing 3	67.00	54.51	11.40	5.32	-0.44	6.10E-01	-2.38	2.42E-04	-0.56	6.99E-01	M-1
ENSMMUG00000000129	SH2D4A	SH2 Domain Containing 4A	160.77	76.77	20.82	10.37	-1.39	1.61E-01	-3.64	2.04E-05	1.27	4.07E-01	M-1
ENSMMUG00000000130	CSGALNACT1	Chondroitin Sulfate N-acetylgalactosaminyltransferase 1	4.75	2.20	0.10	0.11	-0.68	6.01E-01	-5.04	5.09E-07	-0.17	9.67E-01	M-1
ENSMMUG00000018520	PDLIM2	PDZ And LIM Domain 2	7.10	2.50	0.25	0.41	-1.29	2.13E-01	-4.59	2.52E-07	1.65	2.56E-01	M-1
ENSMMUG00000041411	EGR3	Early Growth Response 3	0.99	3.36	2.53	0.01	1.94	3.32E-01	-6.05	1.25E-03	-1.28	7.85E-01	M-1
ENSMMUG00000009796	NKX3-1	NK3 Homeobox 1	62.47	21.56	3.32	0.21	-2.17	5.76E-02	-4.97	1.38E-06	-1.28	5.29E-01	M-1
ENSMMUG00000046427			65.98	72.34	35.09	0.17	-1.69	3.60E-01	-4.08	1.16E-02	-2.79	3.20E-01	M-1
ENSMMUG00000005760	EBF2	Early B-cell Factor 2	7.13	3.20	0.17	0.33	-1.00	4.46E-01	-3.34	2.07E-03	0.41	8.98E-01	M-1
ENSMMUG00000023646	BNIP3L	BCL2 Interacting Protein 3 Like	49.27	32.97	9.38	5.58	-0.99	3.12E-01	-2.54	2.14E-03	0.10	9.74E-01	M-1
ENSMMUG00000010092	TRIM35	Tripartite Motif Containing 35	0.48	1.63	0.29	1.59	2.89	1.71E-01	-5.94	1.80E-03	3.16	2.94E-01	M-1
ENSMMUG00000016016	CCDC25	Coiled-coil Domain Containing 25	55.51	33.14	10.44	8.87	-1.16	1.61E-01	-1.87	1.34E-02	-0.83	5.60E-01	M-1
ENSMMUG00000016018	ESCO2	Establishment Of Sister Chromatid Cohesion N-acetyltransferase 2	102.67	60.56	36.32	14.84	-0.67	4.56E-01	-1.88	1.18E-02	-0.48	7.88E-01	M-1
ENSMMUG00000007486	FZD3	Frizzled Class Receptor 3	20.54	18.97	2.13	0.88	0.14	9.32E-01	-3.61	1.80E-04	-0.48	8.53E-01	M-1
ENSMMUG00000017700	EXTL3	Exostosin Like Glycosyltransferase 3	46.15	12.94	3.59	2.17	-1.48	7.85E-02	-2.19	5.09E-03	-1.03	4.57E-01	M-1
ENSMMUG00000029016			1.89	1.31	0.06	0.08	-0.29	9.15E-01	-5.36	3.84E-03	0.83	8.69E-01	M-1
ENSMMUG00000022511	FUT10	Fucosyltransferase 10	2.18	1.77	0.21	1.26	-0.97	4.68E-01	-2.42	3.39E-02	1.08	6.25E-01	M-1
ENSMMUG00000010638	UNC5D	Unc-5 Netrin Receptor D	10.52	4.32	1.24	0.16	-1.08	4.44E-01	-2.98	1.16E-02	-1.07	6.67E-01	M-1
ENSMMUG00000016120	GOLGA7	Golgin A7	109.09	192.86	76.39	35.80	0.76	2.32E-01	-1.97	2.78E-04	-0.39	7.62E-01	M-1

ENSMMUG00000011263	MTRF1	Mitochondrial Fission Regulator 1	21.02	30.13	11.81	8.44	0.72	3.36E-01	-1.76	5.78E-03	-0.51	7.16E-01	M-1
ENSMMUG00000011262	PDE7A	Phosphodiesterase 7A	26.67	10.95	5.27	1.58	-1.06	3.00E-01	-3.63	1.78E-05	0.88	6.19E-01	M-1
ENSMMUG00000020612	VCP1P1	Valosin Containing Protein Interacting Protein 1	30.76	35.69	7.87	7.49	0.09	9.19E-01	-2.80	2.69E-07	0.10	9.64E-01	M-1
ENSMMUG00000040545			5.07	8.80	0.27	0.65	-1.36	5.28E-01	-5.44	2.91E-03	3.38	2.39E-01	M-1
ENSMMUG00000023015	CPA6	Carboxypeptidase A6	3.83	2.93	0.07	0.01	-2.44	2.35E-01	-4.86	1.46E-02	-4.16	1.64E-01	M-1
ENSMMUG00000016023	PREX2	Phosphatidylinositol-3,4,5-trisphosphate Dependent Rac Exchange Factor 2	3.63	2.11	0.12	0.14	-0.55	7.54E-01	-7.90	2.93E-09	3.24	7.62E-02	M-1
ENSMMUG00000015978	NCOA2	Nuclear Receptor Coactivator 2	31.36	23.31	3.92	12.53	-0.29	8.12E-01	-3.08	1.86E-04	1.40	3.00E-01	M-1
ENSMMUG00000007576	EYA1	EYA Transcriptional Coactivator And Phosphatase 1	11.81	20.97	4.22	1.23	0.35	7.51E-01	-2.80	2.35E-04	-0.37	8.61E-01	M-1
ENSMMUG00000022326	GDAP1	Ganglioside Induced Differentiation Associated Protein 1	126.71	61.35	16.48	2.20	-1.31	1.89E-01	-2.20	1.45E-02	-2.25	5.80E-02	M-1
ENSMMUG00000023342	PAG1	Phosphoprotein Membrane Anchor With Glycosphingolipid Microdomains 1	2.53	0.79	0.01	0.13	-2.99	1.54E-01	-4.61	3.13E-02	5.13	6.46E-02	M-1
ENSMMUG00000007694	SNX16	Sorting Nexin 16	22.25	20.34	5.34	3.71	-0.02	9.85E-01	-2.73	1.70E-04	-0.45	8.07E-01	M-1
ENSMMUG00000007115			0.76	0.81	0.03	0.05	0.52	8.77E-01	-5.20	3.52E-02	0.27	9.75E-01	M-1
ENSMMUG00000001751	CNBD1	Cyclic Nucleotide Binding Domain Containing 1	27.67	24.65	8.09	0.71	-0.51	7.51E-01	-3.45	2.64E-03	-1.73	3.81E-01	M-1
ENSMMUG00000023115	RUNX1T1	RUNX1 Translocation Partner 1	87.63	75.97	7.19	1.75	-0.04	9.83E-01	-5.72	2.86E-09	0.19	9.60E-01	M-1
ENSMMUG00000012981	VIRMA	Vir Like M6A Methyltransferase Associated	12.00	23.22	5.64	7.07	0.81	3.00E-01	-1.94	3.77E-03	0.88	4.59E-01	M-1
ENSMMUG00000020286			7.62	1.19	0.64	0.17	-2.95	8.97E-02	-4.28	1.63E-02	1.77	6.31E-01	M-1
ENSMMUG00000020072	MATN2	Matrilin 2	1.03	0.51	0.06	0.04	-0.37	8.51E-01	-4.84	4.91E-04	0.38	9.36E-01	M-1
ENSMMUG00000022186	VPS13B	Vacuolar Protein Sorting 13 Homolog B	17.68	12.65	4.83	4.05	-0.62	4.30E-01	-1.60	1.39E-02	-0.05	9.83E-01	M-1
ENSMMUG00000013742	RGS22	Regulator Of G Protein Signaling 22	5.23	2.38	0.63	0.34	-1.63	5.98E-02	-2.24	6.68E-03	-1.06	4.75E-01	M-1
ENSMMUG00000019407	RIMS2	Regulating Synaptic Membrane Exocytosis 2	0.67	1.31	0.30	0.21	-0.93	6.19E-01	-4.28	4.74E-03	-0.25	9.66E-01	M-1
ENSMMUG00000007721	ZFPM2	Zinc Finger Protein, FOG Family Member 2	3.70	0.63	0.15	0.11	-1.91	8.18E-02	-2.66	1.11E-02	-0.79	7.40E-01	M-1
ENSMMUG00000010744			31.31	16.40	3.54	3.83	-1.47	1.17E-01	-2.60	2.51E-03	-0.09	9.76E-01	M-1
ENSMMUG00000007342	CSMD3	CUB And Sushi Multiple Domains 3	2.61	0.90	1.56	0.18	-1.36	2.41E-01	-3.78	1.39E-04	0.21	9.53E-01	M-1
ENSMMUG00000008635	EXT1	Exostosin Glycosyltransferase 1	91.58	54.63	12.82	6.07	-0.35	7.72E-01	-2.48	3.27E-03	-0.41	8.55E-01	M-1
ENSMMUG00000004296	MAL2	Mal, T-cell Differentiation Protein 2	52.18	69.01	7.32	0.96	0.65	7.06E-01	-3.66	3.87E-03	-2.61	1.66E-01	M-1
ENSMMUG00000004903	ENPP2	Ectonucleotide Pyrophosphatase/phosphodiesterase 2	1.80	0.97	0.05	0.10	-0.83	6.80E-01	-5.55	2.72E-04	1.94	4.89E-01	M-1
ENSMMUG00000045043	HAS2	Hyaluronan Synthase 2	0.98	0.47	0.04	0.15	-2.20	1.12E-01	-2.88	3.52E-02	0.15	9.76E-01	M-1
ENSMMUG00000005363	ZHX2	Zinc Fingers And Homeoboxes 2	12.15	7.65	1.09	0.89	-1.24	2.90E-01	-4.01	4.66E-05	0.47	8.63E-01	M-1
ENSMMUG00000006050	ZHX1	Zinc Fingers And Homeoboxes 1	36.78	22.11	9.49	5.47	-0.85	3.02E-01	-2.18	1.86E-03	0.48	7.72E-01	M-1
ENSMMUG00000016375	FER1L6	Fer-1 Like Family Member 6	13.55	13.95	0.32	0.14	-0.76	5.45E-01	-5.46	8.81E-09	-0.84	7.02E-01	M-1
ENSMMUG00000015494	MTSS1	MTSS1, I-BAR Domain Containing	106.39	82.92	7.19	4.66	-0.83	4.10E-01	-5.19	3.10E-11	0.72	6.88E-01	M-1
ENSMMUG00000003535	SQLE	Squalene Epoxidase	3.66	10.45	3.90	13.17	1.60	8.47E-02	-2.03	2.15E-02	1.91	1.16E-01	M-1
ENSMMUG00000015345	GSDMC	Gasdermin C	3.03	7.89	0.31	0.18	0.11	9.63E-01	-3.28	3.16E-02	0.05	9.94E-01	M-1
ENSMMUG00000015647	LRR6C	Leucine Rich Repeat Containing 6	1.07	1.01	0.08	0.45	-0.05	9.85E-01	-4.11	5.16E-03	2.65	2.36E-01	M-1
ENSMMUG00000043708			39.19	52.95	4.75	0.18	0.06	9.73E-01	-6.70	1.38E-10	-1.69	4.51E-01	M-1
ENSMMUG00000048066			8.78	13.11	3.92	4.13	0.77	5.57E-01	-2.67	1.05E-02	0.37	9.02E-01	M-1

ENSMMUG00000013578	DENND3	DENN Domain Containing 3	3.83	7.79	0.25	0.33	0.60	7.56E-01	-4.80	4.13E-04	0.14	9.79E-01	M-1
ENSMMUG00000044582			16.11	13.34	1.53	3.53	-0.75	5.43E-01	-2.96	2.60E-03	0.26	9.35E-01	M-1
ENSMMUG00000002659	CYHR1	Cysteine And Histidine Rich 1	3.52	5.21	1.23	1.28	2.06	1.87E-01	-3.30	2.10E-02	-0.49	9.04E-01	M-1
ENSMMUG00000016080	ZNF16	Zinc Finger Protein 16	27.00	19.11	4.83	1.55	-0.43	6.81E-01	-2.50	1.13E-03	-1.34	2.74E-01	M-1
ENSMMUG00000022067	IQSEC3	IQ Motif And Sec7 Domain 3	8.32	5.08	0.57	0.47	-0.67	6.88E-01	-3.85	1.66E-03	-0.45	9.00E-01	M-1
ENSMMUG00000013653	SLC6A13	Solute Carrier Family 6 Member 13	13.21	20.88	9.04	4.74	0.72	1.36E-01	-1.50	4.48E-04	-0.58	4.49E-01	M-1
ENSMMUG00000013892	CCDC77	Coiled-coil Domain Containing 77	85.09	47.42	15.06	9.53	-0.80	2.86E-01	-1.40	3.49E-02	-0.76	5.28E-01	M-1
ENSMMUG00000013897	NINJ2	Ninjurin 2	3.73	0.99	0.09	0.07	-1.88	3.94E-01	-4.26	4.52E-02	-0.97	8.54E-01	M-1
ENSMMUG00000010933	ERC1	ELKS/RAB6-interacting/CAST Family Member 1	74.19	82.18	27.22	14.84	-0.02	9.79E-01	-1.40	5.20E-03	-1.15	9.97E-02	M-1
ENSMMUG00000048870			11.04	3.84	1.01	0.07	-1.94	8.32E-02	-5.39	3.91E-07	-0.99	6.79E-01	M-1
ENSMMUG00000018685	CHD4	Chromodomain Helicase DNA Binding Protein 4	27.21	36.03	18.33	20.03	0.44	3.32E-01	-0.85	3.11E-02	-0.12	9.20E-01	M-1
ENSMMUG00000013701			12.66	20.25	13.40	9.44	0.74	5.57E-02	-0.77	4.45E-02	-0.40	5.65E-01	M-1
ENSMMUG00000022680	A2ML1	Alpha-2-macroglobulin Like 1	3.80	1.79	0.14	0.17	-2.61	8.09E-02	-3.82	7.09E-03	-0.37	9.36E-01	M-1
ENSMMUG00000017843	PHC1	Polyhomeotic Homolog 1	19.09	29.28	1.18	4.02	0.82	4.40E-01	-5.05	1.00E-09	2.05	9.21E-02	M-1
ENSMMUG00000019112	GRIN2B	Glutamate Ionotropic Receptor NMDA Type Subunit 2B	5.24	6.13	0.20	0.05	-1.02	4.20E-01	-4.15	4.53E-05	-1.50	4.36E-01	M-1
ENSMMUG00000019299	WBP11	WW Domain Binding Protein 11	48.88	73.46	33.43	25.74	0.58	2.58E-01	-1.20	6.96E-03	-0.34	7.36E-01	M-1
ENSMMUG00000010460	RERG	RAS Like Estrogen Regulated Growth Inhibitor	1.09	0.43	1.00	0.03	-1.03	6.92E-01	-5.26	1.16E-02	1.79	6.90E-01	M-1
ENSMMUG00000040307	LMO3	LIM Domain Only 3	6.79	1.87	0.13	0.27	-1.76	4.08E-01	-4.22	2.49E-02	0.89	8.56E-01	M-1
ENSMMUG00000042911			7.17	15.62	5.28	3.93	1.12	1.99E-01	-1.83	2.14E-02	-0.54	7.69E-01	M-1
ENSMMUG00000008269	PDE3A	Phosphodiesterase 3A	9.07	10.53	0.40	0.09	-0.61	6.40E-01	-4.42	3.41E-06	-2.28	1.09E-01	M-1
ENSMMUG00000048731			19.95	15.48	0.98	0.10	-0.46	7.84E-01	-3.40	5.88E-03	-2.78	1.68E-01	M-1
ENSMMUG00000009601	LMNTD1	Lamin Tail Domain Containing 1	2.79	1.35	0.10	0.01	-2.26	2.73E-01	-4.17	3.17E-02	-3.08	3.24E-01	M-1
ENSMMUG00000011802	CCDC91	Coiled-coil Domain Containing 91	11.39	8.03	6.23	4.42	-0.77	4.02E-01	-1.76	2.48E-02	1.34	2.56E-01	M-1
ENSMMUG0000001361	IPO8	Importin 8	37.67	18.30	5.15	4.01	-1.11	1.86E-01	-1.93	1.09E-02	-0.26	9.04E-01	M-1
ENSMMUG00000003221	DENND5B	DENN Domain Containing 5B	3.44	5.36	2.35	0.32	0.32	8.42E-01	-3.48	1.18E-03	0.26	9.46E-01	M-1
ENSMMUG00000007395	BICD1	BICD Cargo Adaptor 1	0.83	1.40	0.10	0.62	1.02	5.63E-01	-3.61	1.27E-02	1.74	5.05E-01	M-1
ENSMMUG00000015343	MRPL18	Mitochondrial Ribosomal Protein L18	30.49	61.14	25.00	30.78	0.71	2.06E-01	-1.03	4.84E-02	0.15	9.20E-01	M-1
ENSMMUG00000013666	CPNE8	Copine 8	12.16	10.05	2.95	7.06	-0.05	9.74E-01	-2.43	9.45E-03	1.69	2.33E-01	M-1
ENSMMUG00000010077	C11H12orf40	Chromosome 11 Open Reading Frame, Human C12orf40	7.04	13.14	4.17	5.00	1.26	2.69E-01	-2.09	4.22E-02	0.31	9.17E-01	M-1
ENSMMUG00000021163	CNTN1	Contactin 1	1.79	0.38	0.36	0.01	-1.63	2.95E-01	-4.60	2.24E-03	-1.40	6.83E-01	M-1
ENSMMUG00000021735	PPHLN1	Periphilin 1	68.69	80.00	57.73	23.07	0.23	7.40E-01	-1.15	2.61E-02	-0.54	5.84E-01	M-1
ENSMMUG00000002048	ASB8	Ankyrin Repeat And SOCS Box Containing 8	27.52	29.90	4.42	4.02	0.54	6.64E-01	-3.24	3.78E-04	-0.25	9.35E-01	M-1
ENSMMUG00000048864	RND1	Rho Family GTPase 1	16.82	12.79	4.60	0.50	-0.24	8.80E-01	-2.23	3.96E-02	-2.60	6.91E-02	M-1
ENSMMUG00000015718	KMT2D	Lysine Methyltransferase 2D	14.76	21.93	7.67	8.45	0.55	4.53E-01	-1.59	8.14E-03	0.21	9.06E-01	M-1
ENSMMUG00000012769	LMBR1L	Limb Development Membrane Protein 1 Like	12.17	49.72	10.08	4.05	1.69	8.39E-02	-3.31	1.58E-04	-0.33	9.00E-01	M-1
ENSMMUG00000021081	LOC710110	Tubulin Alpha-1C Chain	#####	850.59	378.26	204.13	-0.05	9.39E-01	-1.12	3.26E-03	-0.74	1.94E-01	M-1
ENSMMUG00000042879			102.13	127.15	39.57	33.08	0.32	6.80E-01	-1.71	2.73E-03	0.16	9.32E-01	M-1
ENSMMUG00000021689			36.26	41.85	9.28	9.52	0.22	8.36E-01	-2.95	1.92E-05	0.05	9.86E-01	M-1
ENSMMUG00000015048	LIMA1	LIM Domain And Actin Binding 1	79.88	39.59	6.92	7.24	-1.38	6.74E-02	-2.81	3.27E-05	0.54	7.34E-01	M-1
ENSMMUG00000046877	ACVR1B	Activin A Receptor Type 1B	24.21	59.72	6.66	2.00	0.65	7.16E-01	-4.89	9.62E-05	-0.76	8.12E-01	M-1
ENSMMUG00000022313	ATF7	Activating Transcription Factor 7	7.46	17.20	5.11	2.85	1.13	1.88E-01	-2.43	1.19E-03	-0.17	9.49E-01	M-1

ENSMMUG00000009457	CALCOCO1	Calcium Binding And Coiled-coil Domain 1	42.79	36.60	18.08	8.21	-0.17	8.64E-01	-1.66	1.25E-02	-0.51	7.32E-01	M-1
ENSMMUG00000016669	ZNF385A	Zinc Finger Protein 385A	2.16	3.41	0.08	0.70	-0.42	8.60E-01	-5.48	4.39E-04	4.12	5.15E-02	M-1
ENSMMUG00000003755	ITGA5	Integrin Subunit Alpha 5	1.46	5.32	0.07	0.80	1.05	5.72E-01	-5.64	7.68E-05	3.49	9.18E-02	M-1
ENSMMUG00000003758	GTSF1	Gametocyte Specific Factor 1	176.92	117.73	28.25	16.47	-1.33	1.30E-01	-2.32	3.36E-03	0.67	6.97E-01	M-1
ENSMMUG00000006292	ORMDL2	ORMDL Sphingolipid Biosynthesis Regulator 2	5.51	22.47	6.96	6.41	1.38	1.64E-01	-1.83	4.85E-02	0.19	9.51E-01	M-1
ENSMMUG00000006295	MMP19	Matrix Metalloproteinase 19	1.13	1.56	0.05	0.01	-1.47	6.17E-01	-9.01	1.49E-04	-1.50	8.06E-01	M-1
ENSMMUG00000007523	IKZF4	IKAROS Family Zinc Finger 4	1.52	2.43	0.78	1.97	1.01	3.32E-01	-1.97	3.09E-02	1.97	1.16E-01	M-1
ENSMMUG00000008273	SMARCC2	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin Subfamily C Member 2	23.63	19.59	6.64	5.98	-0.12	9.09E-01	-1.72	1.03E-02	0.06	9.81E-01	M-1
ENSMMUG00000008679	ANKRD52	Ankyrin Repeat Domain 52	0.94	3.46	0.50	1.09	1.58	3.63E-01	-3.39	2.49E-02	2.55	2.71E-01	M-1
ENSMMUG00000008860	GLS2	Glutaminase 2	4.20	4.87	0.88	0.99	-0.15	9.23E-01	-2.16	3.10E-02	0.02	9.97E-01	M-1
ENSMMUG00000019330	RBMS2	RNA Binding Motif Single Stranded Interacting Protein 2	6.31	4.47	1.13	1.04	-1.15	4.20E-01	-3.37	5.25E-03	1.24	6.05E-01	M-1
ENSMMUG00000021115	ZBTB39	Zinc Finger And BTB Domain Containing 39	34.12	17.13	3.70	5.40	-0.90	1.98E-01	-2.34	9.11E-05	0.81	4.59E-01	M-1
ENSMMUG00000019783	NEMP1	Nuclear Envelope Integral Membrane Protein 1	28.93	31.57	6.40	10.29	0.05	9.58E-01	-2.23	2.72E-04	0.58	6.57E-01	M-1
ENSMMUG00000009996			192.11	452.84	23.26	5.20	1.24	2.62E-01	-5.14	1.56E-08	-1.98	1.65E-01	M-1
ENSMMUG00000016625	IRAK3	Interleukin 1 Receptor Associated Kinase 3	0.84	1.06	2.39	0.15	0.71	7.67E-01	-8.58	2.81E-06	4.67	7.40E-02	M-1
ENSMMUG00000016631	GRIP1	Glutamate Receptor Interacting Protein 1	3.47	1.91	0.14	0.12	-0.51	7.75E-01	-4.70	1.91E-04	-0.07	9.88E-01	M-1
ENSMMUG00000000946	CPM	Carboxypeptidase M	5.70	4.34	0.39	1.01	-0.83	6.21E-01	-4.56	3.04E-04	3.16	7.12E-02	M-1
ENSMMUG00000011075	PTPRR	Protein Tyrosine Phosphatase, Receptor Type R	3.24	1.57	0.39	0.13	-1.53	2.86E-01	-3.84	2.55E-03	0.36	9.31E-01	M-1
ENSMMUG00000007727	TBC1D15	TBC1 Domain Family Member 15	14.87	19.20	9.97	7.73	0.46	5.18E-01	-1.50	9.47E-03	-0.03	9.89E-01	M-1
ENSMMUG00000009638	GLIPR1	GLI Pathogenesis Related 1	41.58	17.37	2.92	1.74	-1.16	3.46E-01	-2.99	4.00E-03	-0.02	9.97E-01	M-1
ENSMMUG000000031720			107.88	148.90	72.88	46.31	0.74	4.13E-01	-1.79	2.01E-02	0.27	9.01E-01	M-1
ENSMMUG00000000121	OTOGL	Otogelin Like	0.59	1.70	1.34	0.36	1.78	2.51E-01	-4.76	3.53E-04	1.76	4.69E-01	M-1
ENSMMUG00000028665	MIR618	MicroRNA 618	0.72	24.54	0.23	0.00	-7.21	3.57E-01	-16.21	1.66E-02	-8.98	4.41E-01	M-1
ENSMMUG00000013804	PPFIA2	PTPRF Interacting Protein Alpha 2	2.44	1.53	0.06	0.05	-1.47	2.86E-01	-4.95	3.06E-05	1.61	4.89E-01	M-1
ENSMMUG000000041929			22.23	10.72	0.95	0.19	-0.67	6.95E-01	-4.50	8.02E-04	-1.04	7.71E-01	M-1
ENSMMUG000000045893			7.77	5.19	4.89	0.09	-0.41	8.95E-01	-6.13	5.47E-03	0.59	9.38E-01	M-1
ENSMMUG000000043220			19.65	5.96	2.68	0.22	-1.52	5.04E-01	-4.90	1.38E-02	-0.72	9.04E-01	M-1
ENSMMUG00000015859	C11H12orf50	Chromosome 11 Open Reading Frame, Human C12orf50	1.99	9.09	1.19	1.08	1.99	1.98E-01	-3.18	2.44E-02	-0.30	9.51E-01	M-1
ENSMMUG000000046838			1.75	0.70	0.02	0.02	-1.95	3.64E-01	-4.48	2.26E-02	2.22	5.62E-01	M-1
ENSMMUG00000012670	CRADD	CASP2 And RIPK1 Domain Containing Adaptor With Death Domain	41.60	22.70	1.98	2.29	-0.88	5.15E-01	-3.35	1.86E-03	0.73	7.77E-01	M-1
ENSMMUG00000018898	NR2C1	Nuclear Receptor Subfamily 2 Group C Member 1	17.41	27.54	11.16	9.28	0.80	3.18E-01	-1.50	3.39E-02	0.52	7.37E-01	M-1
ENSMMUG00000013812	USP44	Ubiquitin Specific Peptidase 44	10.89	4.79	2.93	0.17	-1.46	1.66E-01	-3.60	1.21E-04	-1.71	2.65E-01	M-1
ENSMMUG00000018145	ELK3	ELK3, ETS Transcription Factor	14.43	20.74	6.43	5.68	0.27	8.66E-01	-2.89	6.05E-03	1.34	4.75E-01	M-1
ENSMMUG00000018718	ANO4	Anoctamin 4	1.60	0.85	0.09	0.10	-0.58	7.74E-01	-3.81	1.01E-02	1.21	7.10E-01	M-1
ENSMMUG00000015134	SLC5A8	Solute Carrier Family 5 Member 8	1.49	0.32	0.02	0.02	-3.07	8.18E-02	-4.18	2.32E-02	-0.12	9.86E-01	M-1
ENSMMUG00000020875	MYBPC1	Myosin Binding Protein C, Slow Type	1.16	1.34	0.19	0.04	-0.98	6.56E-01	-4.44	1.16E-02	-3.35	1.98E-01	M-1

ENSMMUG00000005208	POLR3B	RNA Polymerase III Subunit B	15.91	19.75	7.96	7.21	0.43	4.85E-01	-1.25	1.47E-02	-0.67	4.47E-01	M-1
ENSMMUG00000015544	PWP1	PWP1 Homolog, Endonuclease	71.77	54.90	22.01	21.83	-0.11	9.01E-01	-1.66	4.50E-03	0.36	8.02E-01	M-1
ENSMMUG00000015550	PRDM4	PR/SET Domain 4	24.99	11.98	4.43	3.86	-1.01	4.23E-01	-2.79	7.65E-03	0.39	8.98E-01	M-1
ENSMMUG00000042320	CMKLR1	Chemerin Chemokine-like Receptor 1	1.06	1.91	0.03	0.06	-2.06	1.47E-01	-3.44	2.27E-02	-2.77	2.04E-01	M-1
ENSMMUG00000015107	SSH1	Slingshot Protein Phosphatase 1	22.92	25.59	4.74	8.16	-0.07	9.61E-01	-2.20	1.09E-02	0.48	8.19E-01	M-1
ENSMMUG00000005237	USP30	Ubiquitin Specific Peptidase 30	61.98	26.60	4.09	6.92	-1.23	2.17E-01	-2.49	4.77E-03	0.65	7.50E-01	M-1
ENSMMUG00000010484	GIT2	GIT ArfGAP 2	154.50	95.23	13.97	7.51	-0.54	5.77E-01	-3.39	2.39E-06	-0.03	9.91E-01	M-1
ENSMMUG00000020826	LOC710254	Uncharacterized Protein C12orf76	1.53	3.90	0.23	1.05	0.09	9.73E-01	-4.61	7.95E-03	2.53	3.97E-01	M-1
ENSMMUG00000039526	TCTN1	Tectonic Family Member 1	15.97	4.76	1.21	0.16	-1.44	3.25E-01	-4.76	1.07E-04	-0.51	8.89E-01	M-1
ENSMMUG00000003297	LOC711766	Coiled-coil Domain-containing Protein 63	2.47	2.35	0.13	0.02	-1.22	5.26E-01	-3.67	2.61E-02	-1.96	5.60E-01	M-1
ENSMMUG00000017107	BRAP	BRCA1 Associated Protein	67.83	53.60	22.48	17.06	-0.47	5.24E-01	-1.35	2.57E-02	-0.21	9.02E-01	M-1
ENSMMUG00000005255	TRAFD1	TRAF-type Zinc Finger Domain Containing 1	129.81	71.70	12.77	6.90	-0.82	3.98E-01	-2.45	2.03E-03	-0.76	6.43E-01	M-1
ENSMMUG00000007126	HECTD4	HECT Domain E3 Ubiquitin Protein Ligase 4	3.93	3.15	2.05	2.78	-0.27	8.11E-01	-1.66	3.70E-02	1.38	2.39E-01	M-1
ENSMMUG00000012778	RPH3A	Rabphilin 3A	7.41	12.08	1.70	0.07	0.38	8.30E-01	-6.26	7.58E-08	-2.36	2.06E-01	M-1
ENSMMUG00000001128	IQCD	IQ Motif Containing D	4.07	9.35	2.57	1.61	0.95	3.69E-01	-2.07	2.41E-02	-0.55	8.03E-01	M-1
ENSMMUG00000017478	TESC	Tescalcin	9.92	3.97	0.60	0.88	-1.64	2.65E-01	-3.16	1.75E-02	-0.14	9.76E-01	M-1
ENSMMUG00000014027	NOS1	Nitric Oxide Synthase 1	2.69	2.11	0.39	0.03	-0.81	5.87E-01	-4.73	5.85E-05	-1.82	3.95E-01	M-1
ENSMMUG00000005421	KSR2	Kinase Suppressor Of Ras 2	1.68	8.86	0.23	0.02	2.46	1.99E-01	-6.36	2.37E-04	-2.40	4.89E-01	M-1
ENSMMUG00000019861	CIT	Citron Rho-interacting Serine/threonine Kinase	14.12	15.68	5.59	8.36	0.42	6.74E-01	-1.90	1.13E-02	0.92	4.98E-01	M-1
ENSMMUG00000031528	PLA2G1B	Phospholipase A2 Group IB	6.95	19.52	0.33	0.13	2.52	4.23E-01	-7.08	7.65E-03	-1.09	8.84E-01	M-1
ENSMMUG00000004223	RNF10	Ring Finger Protein 10	52.70	46.28	24.69	27.71	0.25	8.27E-01	-1.63	4.45E-02	0.64	7.07E-01	M-1
ENSMMUG00000039520	C11H12orf43	Chromosome 11 Open Reading Frame, Human C12orf43	3.95	21.79	3.31	2.63	1.82	1.47E-01	-2.89	1.17E-02	-0.35	9.20E-01	M-1
ENSMMUG00000037708			15.07	20.15	10.53	0.21	1.12	5.44E-01	-5.30	1.00E-03	-1.77	5.93E-01	M-1
ENSMMUG00000003521	P2RX4	Purinergic Receptor P2X 4	22.43	21.04	0.64	0.76	-0.28	8.67E-01	-5.51	2.69E-07	0.94	7.03E-01	M-1
ENSMMUG00000021563	RNF34	Ring Finger Protein 34	105.52	93.95	9.29	9.60	-0.02	9.89E-01	-3.63	2.00E-06	0.32	8.87E-01	M-1
ENSMMUG00000041124	MORN3	MORN Repeat Containing 3	0.40	1.06	0.08	0.15	1.41	5.43E-01	-4.21	3.08E-02	0.89	8.59E-01	M-1
ENSMMUG00000012842	SETD1B	SET Domain Containing 1B	16.50	13.72	5.60	4.92	-0.34	7.92E-01	-3.10	4.75E-04	1.93	1.40E-01	M-1
ENSMMUG00000012652	MLXIP	MLX Interacting Protein	5.64	16.06	3.54	9.44	1.52	1.21E-01	-2.41	7.31E-03	-1.01	5.54E-01	M-1
ENSMMUG00000019678	MPHOSPH9	M-phase Phosphoprotein 9	8.38	11.29	4.08	2.91	-0.39	7.63E-01	-2.55	6.03E-03	0.14	9.68E-01	M-1
ENSMMUG00000013181	EIF2B1	Eukaryotic Translation Initiation Factor 2B Subunit Alpha	17.56	61.00	13.56	17.32	1.70	8.11E-02	-2.69	2.64E-03	0.96	5.84E-01	M-1
ENSMMUG00000006861	LOC710343	Dynein Heavy Chain 10, Axonemal	1.59	1.99	0.16	0.12	-1.46	2.98E-01	-2.81	2.40E-02	-1.69	4.26E-01	M-1
ENSMMUG00000009212	CCDC92	Coiled-coil Domain Containing 92	9.14	11.05	0.76	0.15	-1.55	4.42E-01	-3.74	3.16E-02	-3.07	2.39E-01	M-1
ENSMMUG00000023107	NCOR2	Nuclear Receptor Corepressor 2	6.67	8.39	1.25	3.58	-0.72	5.67E-01	-3.14	1.24E-03	1.38	4.21E-01	M-1
ENSMMUG00000016486	SCARB1	Scavenger Receptor Class B Member 1	4.51	2.32	0.25	0.15	-0.89	5.39E-01	-4.11	3.06E-04	0.37	9.16E-01	M-1
ENSMMUG00000002320	UBC	Ubiquitin C	254.55	283.74	155.01	128.29	0.06	9.50E-01	-1.27	4.02E-02	-0.91	3.52E-01	M-1
ENSMMUG00000005213	BRI3BP	BRI3 Binding Protein	7.25	20.05	2.24	5.79	0.61	7.48E-01	-3.12	2.45E-02	2.94	1.28E-01	M-1
ENSMMUG00000002041	ADGRD1	Adhesion G Protein-coupled Receptor D1	2.64	3.13	0.38	0.04	-1.43	3.54E-01	-3.14	1.90E-02	-3.40	5.93E-02	M-1
ENSMMUG00000020343	SFSWAP	Splicing Factor SWAP	15.88	35.94	21.79	15.38	0.91	1.68E-01	-1.39	2.14E-02	0.39	7.79E-01	M-1
ENSMMUG00000017729	LOC709936	E1A-binding Protein P400	11.66	23.98	4.62	6.44	1.16	2.16E-01	-2.72	7.69E-04	0.84	6.08E-01	M-1
ENSMMUG00000021279	ZMYND11	Zinc Finger MYND-type Containing 11	37.45	34.74	10.35	5.49	0.18	8.58E-01	-2.61	6.92E-05	-0.01	9.98E-01	M-1
ENSMMUG00000020280	DIP2C	Disco Interacting Protein 2 Homolog C	9.01	19.80	4.73	1.80	1.11	1.47E-01	-3.33	4.25E-07	0.11	9.67E-01	M-1
ENSMMUG00000004935	PFKP	Phosphofructokinase, Platelet	36.11	11.77	3.42	3.94	-1.89	9.43E-02	-2.75	8.65E-03	0.65	8.00E-01	M-1

ENSMMUG00000013180	FAM208B	Family With Sequence Similarity 208 Member B	22.77	25.17	13.14	13.68	0.18	7.02E-01	-1.17	6.41E-04	0.18	8.41E-01	M-1
ENSMMUG00000013182	GDI2	GDP Dissociation Inhibitor 2	208.92	220.08	106.92	102.00	0.04	9.57E-01	-1.04	4.71E-02	-0.09	9.62E-01	M-1
ENSMMUG00000015143	FBXO18	F-box Protein, Helicase, 18	18.67	18.81	7.53	5.79	0.09	9.46E-01	-1.86	3.09E-02	0.03	9.92E-01	M-1
ENSMMUG00000015149	IL15RA	Interleukin 15 Receptor Subunit Alpha	1.33	3.79	0.06	0.05	0.31	9.01E-01	-6.22	1.25E-04	1.35	7.32E-01	M-1
ENSMMUG00000047800	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	1.02	9.22	0.82	0.69	2.50	9.56E-02	-3.12	2.83E-02	0.29	9.53E-01	M-1
ENSMMUG00000020776	PRKCQ	Protein Kinase C Theta	2.39	1.24	1.97	0.05	-2.09	2.32E-01	-4.42	4.79E-03	-0.35	9.49E-01	M-1
ENSMMUG00000019194	SFMBT2	Scm Like With Four Mbt Domains 2	0.46	3.02	0.45	0.84	2.05	1.61E-01	-4.25	1.23E-03	2.57	1.99E-01	M-1
ENSMMUG00000015850	ITIH5	Inter-alpha-trypsin Inhibitor Heavy Chain Family Member 5	6.19	5.27	0.27	0.40	-0.30	8.15E-01	-4.20	8.02E-07	0.27	9.24E-01	M-1
ENSMMUG00000013101	TAF3	TATA-box Binding Protein Associated Factor 3	38.51	46.15	20.08	7.21	0.27	7.45E-01	-1.33	2.69E-02	-1.26	1.32E-01	M-1
ENSMMUG00000023766	MINDY3	MINDY Lysine 48 Deubiquitinase 3	50.85	33.31	12.19	6.77	-0.79	2.25E-01	-1.56	6.41E-03	-0.44	7.36E-01	M-1
ENSMMUG00000016069			4.37	1.19	0.03	0.09	-2.23	5.53E-02	-5.99	2.04E-08	1.54	4.31E-01	M-1
ENSMMUG00000003193	VIM	Vimentin	8.34	13.10	1.66	0.29	0.50	7.56E-01	-4.25	1.49E-04	-1.02	6.79E-01	M-1
ENSMMUG00000011620	MRC1	Mannose Receptor C-type 1	6.87	1.87	0.12	0.03	-1.65	1.83E-01	-5.69	4.41E-07	-1.58	4.82E-01	M-1
ENSMMUG00000011624	SLC39A12	Solute Carrier Family 39 Member 12	2.75	2.70	0.61	0.03	-0.62	6.60E-01	-5.18	3.12E-06	-1.68	4.01E-01	M-1
ENSMMUG00000007451	NSUN6	NOP2/Sun RNA Methyltransferase Family Member 6	29.31	12.45	4.81	2.31	-1.31	7.52E-02	-1.72	1.43E-02	-0.37	8.34E-01	M-1
ENSMMUG00000022383	THNSL1	Threonine Synthase Like 1	4.18	1.05	0.05	0.06	-1.56	3.68E-01	-5.55	2.68E-04	-1.07	7.90E-01	M-1
ENSMMUG00000002930	GPR158	G Protein-coupled Receptor 158	5.15	1.74	0.30	0.05	-2.18	7.76E-02	-3.80	9.80E-04	-1.13	6.51E-01	M-1
ENSMMUG000000039463			10.95	14.86	7.95	0.13	-0.42	8.16E-01	-5.92	1.02E-06	-1.79	4.29E-01	M-1
ENSMMUG00000020663	MPP7	Membrane Palmitoylated Protein 7	22.37	26.62	6.29	7.33	0.29	8.06E-01	-1.70	4.13E-02	-0.64	7.17E-01	M-1
ENSMMUG000000039113			0.30	1.79	0.00	0.10	2.10	4.78E-01	-7.52	3.09E-03	3.95	3.51E-01	M-1
ENSMMUG00000015453	ZEB1	Zinc Finger E-box Binding Homeobox 1	1.60	5.41	1.10	0.42	1.31	3.46E-01	-2.66	2.84E-02	-2.10	2.52E-01	M-1
ENSMMUG00000009899			24.27	30.41	7.35	4.24	0.70	4.22E-01	-2.85	3.68E-05	-0.84	5.33E-01	M-1
ENSMMUG00000001462			4.59	1.35	0.17	0.09	-1.84	3.00E-01	-5.70	1.01E-03	2.06	5.29E-01	M-1
ENSMMUG00000041246			0.63	5.53	0.22	0.64	2.41	1.55E-01	-4.42	4.63E-03	2.31	4.01E-01	M-1
ENSMMUG00000043859			3.63	1.62	0.39	0.42	-1.37	2.89E-01	-2.61	2.49E-02	0.18	9.66E-01	M-1
ENSMMUG00000011852	BMPR1A	Bone Morphogenetic Protein Receptor Type 1A	19.49	13.51	3.70	11.78	-0.54	5.71E-01	-2.44	8.72E-04	1.89	5.86E-02	M-1
ENSMMUG00000023612	GRID1	Glutamate Ionotropic Receptor Delta Type Subunit 1	2.06	1.22	0.10	0.03	-1.65	2.18E-01	-3.10	1.64E-02	-3.43	5.42E-02	M-1
ENSMMUG00000008790	ZMIZ1	Zinc Finger MIZ-type Containing 1	25.75	18.34	5.50	13.71	-0.32	7.90E-01	-2.39	3.60E-03	1.69	1.61E-01	M-1
ENSMMUG00000001821	USP54	Ubiquitin Specific Peptidase 54	6.12	10.05	2.65	2.27	0.66	4.52E-01	-2.83	4.93E-05	0.64	6.74E-01	M-1
ENSMMUG00000011281	FAM149B1	Family With Sequence Similarity 149 Member B1	2.08	3.13	0.84	1.84	0.95	4.95E-01	-2.43	3.72E-02	1.90	2.82E-01	M-1
ENSMMUG00000020405	PLA2G12B	Phospholipase A2 Group XIIB	7.37	4.39	0.13	0.03	-1.85	3.68E-01	-5.95	1.92E-03	-2.25	5.34E-01	M-1
ENSMMUG00000006395	H2AFY2	H2A Histone Family, Member Y2	37.39	9.46	0.66	0.11	-2.19	7.51E-02	-3.94	7.80E-04	-2.85	1.09E-01	M-1
ENSMMUG00000001006	DDX50	DEXD-box Helicase 50	17.33	17.81	4.23	4.03	0.00	9.98E-01	-2.04	2.98E-02	-0.26	9.26E-01	M-1
ENSMMUG00000000826	STOX1	Storkhead Box 1	3.67	1.79	0.29	1.78	-1.43	3.96E-01	-3.94	5.88E-03	2.17	3.50E-01	M-1
ENSMMUG00000016902			3.11	2.92	2.34	0.34	-0.64	7.56E-01	-4.79	1.20E-03	2.36	3.46E-01	M-1
ENSMMUG00000000424	ARID5B	AT-rich Interaction Domain 5B	0.88	0.55	0.26	0.15	-0.81	7.08E-01	-5.21	1.46E-03	0.36	9.49E-01	M-1
ENSMMUG00000003589	ANK3	Ankyrin 3	3.81	2.62	0.67	1.67	-0.35	8.19E-01	-3.12	2.73E-03	1.77	2.82E-01	M-1
ENSMMUG00000018198	CCDC6	Coiled-coil Domain Containing 6	182.72	179.40	40.79	22.93	-0.21	8.30E-01	-2.39	1.72E-04	-0.15	9.47E-01	M-1

ENSMMUG00000003705	PHYHIPL	Phytanoyl-CoA 2-hydroxylase Interacting Protein Like	5.27	4.75	0.53	0.07	-1.43	3.61E-01	-3.52	8.65E-03	-2.32	2.67E-01	M-1
ENSMMUG00000015750	BICC1	BicC Family RNA Binding Protein 1	28.46	7.05	1.38	0.19	-2.23	6.87E-02	-3.74	1.03E-03	-1.12	6.41E-01	M-1
ENSMMUG00000009794	PCDH15	Protocadherin Related 15	1.75	1.15	0.11	0.02	0.14	9.45E-01	-5.59	1.08E-05	-0.12	9.81E-01	M-1
ENSMMUG00000007078	ASAH2	N-acylsphingosine Amidohydrolase 2	4.39	2.17	0.39	0.30	-1.22	4.00E-01	-4.45	3.95E-04	0.41	9.13E-01	M-1
ENSMMUG00000013485	KIF20B	Kinesin Family Member 20B	30.95	27.52	14.19	11.46	-0.08	8.95E-01	-1.14	5.58E-03	-0.12	9.26E-01	M-1
ENSMMUG00000037671			0.36	2.49	0.03	0.06	0.80	8.07E-01	-7.85	1.07E-03	3.22	4.59E-01	M-1
ENSMMUG0000001608	PLCE1	Phospholipase C Epsilon 1	115.37	103.56	8.09	1.45	-0.31	7.93E-01	-4.97	1.47E-10	-0.48	8.15E-01	M-1
ENSMMUG00000045340	CYP2C93	Cytochrome P450 2C93	52.39	35.00	4.43	0.21	-1.23	3.04E-01	-3.94	8.54E-05	-2.17	1.76E-01	M-1
ENSMMUG00000008687	BLNK	B-cell Linker	4.02	3.47	1.07	0.10	-1.21	5.21E-01	-6.13	2.40E-04	-1.09	7.76E-01	M-1
ENSMMUG00000010357	CNNM1	Cyclin And CBS Domain Divalent Metal Cation Transport Mediator 1	1.22	0.45	0.04	0.03	-1.07	5.71E-01	-4.40	4.06E-03	1.07	7.68E-01	M-1
ENSMMUG00000023765	DNMBP	Dynamin Binding Protein	16.98	10.51	1.67	6.00	-1.32	1.15E-01	-2.34	1.96E-03	1.40	2.28E-01	M-1
ENSMMUG00000018755	CPN1	Carboxypeptidase N Subunit 1	6.08	8.78	0.05	0.06	0.00	9.99E-01	-6.51	7.56E-06	1.58	6.16E-01	M-1
ENSMMUG00000010679	MRPL43	Mitochondrial Ribosomal Protein L43	34.98	52.81	10.65	6.96	0.74	4.57E-01	-2.38	3.04E-03	-0.64	7.21E-01	M-1
ENSMMUG00000009375	LDB1	LIM Domain Binding 1	40.58	38.78	14.03	21.17	-0.19	8.93E-01	-2.01	2.48E-02	1.74	1.77E-01	M-1
ENSMMUG00000001186	PPRC1	Peroxisome Proliferator-activated Receptor Gamma, Coactivator-related 1	79.24	81.09	15.81	11.26	0.21	7.71E-01	-2.61	6.73E-08	-0.52	6.05E-01	M-1
ENSMMUG00000008873	PCGF6	Polycomb Group Ring Finger 6	16.11	16.14	8.93	7.18	0.01	9.92E-01	-1.14	3.05E-02	0.33	7.90E-01	M-1
ENSMMUG00000007064	NEURL1	Neuralized E3 Ubiquitin Protein Ligase 1	1.08	0.99	0.30	0.08	-0.10	9.64E-01	-3.74	1.39E-02	0.75	8.51E-01	M-1
ENSMMUG00000015339	CFAP58	Cilia And Flagella Associated Protein 58	14.20	17.14	2.82	0.29	0.14	9.15E-01	-3.60	6.82E-06	-1.77	1.49E-01	M-1
ENSMMUG00000000433	SORCS1	Sortilin Related VPS10 Domain Containing Receptor 1	1.21	0.70	0.07	0.03	-0.92	5.94E-01	-3.25	1.95E-02	-0.83	8.06E-01	M-1
ENSMMUG00000006233	ADD3	Adducin 3	161.64	90.97	39.58	19.17	-0.62	4.94E-01	-2.38	8.51E-04	0.59	7.12E-01	M-1
ENSMMUG00000016644	DCLRE1A	DNA Cross-link Repair 1A	30.72	8.39	2.65	4.37	-1.76	8.62E-02	-2.51	8.59E-03	1.04	5.67E-01	M-1
ENSMMUG00000016646	NHLRC2	NHL Repeat Containing 2	12.91	6.28	2.12	7.29	-1.00	2.79E-01	-2.07	1.05E-02	0.93	5.35E-01	M-1
ENSMMUG000000022517	TDRD1	Tudor Domain Containing 1	12.01	13.29	2.81	0.87	-0.14	9.17E-01	-3.89	4.04E-06	-0.20	9.49E-01	M-1
ENSMMUG00000047544			55.42	28.17	1.55	0.67	-0.97	5.60E-01	-6.96	7.37E-07	-0.07	9.89E-01	M-1
ENSMMUG000000022523	AFAP1L2	Actin Filament Associated Protein 1 Like 2	34.78	24.82	1.20	0.40	-0.67	6.39E-01	-5.76	2.65E-08	-0.45	8.86E-01	M-1
ENSMMUG00000045995			1.34	0.87	0.47	0.01	0.32	9.21E-01	-4.87	3.20E-02	-0.81	9.02E-01	M-1
ENSMMUG00000001905	ATRNL1	Attractin Like 1	2.64	6.26	1.87	0.96	1.06	3.98E-01	-3.15	2.40E-03	-1.52	3.98E-01	M-1
ENSMMUG00000016370	CACUL1	CDK2 Associated Cullin Domain 1	59.45	31.65	16.99	11.00	-0.85	3.13E-01	-1.55	3.87E-02	0.82	5.44E-01	M-1
ENSMMUG00000009558	INPP5F	Inositol Polyphosphate-5-phosphatase F	38.83	37.34	11.34	14.42	-0.04	9.73E-01	-2.37	1.40E-04	1.18	2.27E-01	M-1
ENSMMUG00000008724	PLPP4	Phospholipid Phosphatase 4	18.67	6.28	0.18	0.17	-2.27	1.98E-01	-6.68	4.37E-05	1.82	5.77E-01	M-1
ENSMMUG00000021594	ATE1	Arginyltransferase 1	6.44	16.62	5.33	4.88	1.21	5.68E-02	-1.66	5.37E-03	0.15	9.37E-01	M-1
ENSMMUG00000000684	ACADSB	Acyl-CoA Dehydrogenase Short/branched Chain	4.45	6.06	0.89	2.83	0.02	9.89E-01	-2.33	3.12E-02	1.60	3.52E-01	M-1
ENSMMUG00000010115	CHST15	Carbohydrate Sulfotransferase 15	12.07	14.99	2.06	1.35	0.36	7.01E-01	-3.24	8.41E-07	0.26	8.95E-01	M-1
ENSMMUG00000008535	EDRF1	Erythroid Differentiation Regulatory Factor 1	122.40	77.54	16.95	4.83	-0.86	3.49E-01	-3.51	2.09E-06	-0.75	6.33E-01	M-1
ENSMMUG00000008542	DHX32	DEAH-box Helicase 32 (putative)	31.70	13.84	4.30	6.39	-1.22	1.63E-01	-1.66	4.14E-02	0.39	8.51E-01	M-1
ENSMMUG00000018547	DOCK1	Dedicator Of Cytokinesis 1	21.30	16.32	4.74	8.75	-0.35	6.75E-01	-2.09	5.53E-04	1.08	2.64E-01	M-1
ENSMMUG00000022358	JAKMIP3	Janus Kinase And Microtubule Interacting Protein 3	0.81	0.61	0.06	0.04	-0.43	8.62E-01	-6.19	3.20E-04	2.17	5.07E-01	M-1

ENSMMUG00000022364	STK32C	Serine/threonine Kinase 32C	7.29	7.52	0.40	0.08	-1.01	6.37E-01	-4.10	1.64E-02	-0.75	8.79E-01	M-1
ENSMMUG00000004012	PHRF1	PHD And Ring Finger Domains 1	11.07	22.39	4.86	3.11	1.05	2.35E-01	-2.69	3.44E-04	-0.45	8.13E-01	M-1
ENSMMUG00000007510	TALDO1	Transaldolase 1	28.36	34.96	24.73	63.40	0.61	5.17E-01	-1.69	2.90E-02	1.62	1.32E-01	M-1
ENSMMUG00000043846			5.35	9.48	0.23	0.14	1.06	5.31E-01	-5.41	3.41E-05	-0.64	8.59E-01	M-1
ENSMMUG00000010544			0.15	4.02	0.14	0.07	3.20	1.02E-01	-4.71	9.29E-03	0.10	9.88E-01	M-1
ENSMMUG00000023132	DUSP8	Dual Specificity Phosphatase 8	8.59	6.05	2.51	0.38	-0.44	8.48E-01	-3.56	2.47E-02	-2.19	4.21E-01	M-1
ENSMMUG00000047449	IGF2	Insulin Like Growth Factor 2	3.24	17.35	0.72	2.11	1.20	4.39E-01	-5.23	2.68E-05	1.21	6.47E-01	M-1
ENSMMUG00000007742			7.01	3.86	0.20	0.10	-0.36	8.68E-01	-4.80	7.55E-04	-0.35	9.46E-01	M-1
ENSMMUG00000019736	SHANK2	SH3 And Multiple Ankyrin Repeat Domains 2	2.44	1.76	0.23	0.87	-0.78	5.96E-01	-3.65	1.54E-03	2.03	2.62E-01	M-1
ENSMMUG00000011817	AIP	Aryl Hydrocarbon Receptor Interacting Protein	1.13	2.63	0.27	0.27	1.59	2.77E-01	-3.88	2.56E-03	-0.71	8.36E-01	M-1
ENSMMUG00000010577			30.73	35.96	8.79	5.55	-0.13	9.15E-01	-1.73	2.90E-02	-1.30	2.84E-01	M-1
ENSMMUG00000020363	LOC713490	RNA-binding Protein 4	29.24	53.70	21.08	17.20	0.96	2.15E-01	-1.78	9.97E-03	-0.47	7.68E-01	M-1
ENSMMUG00000022518			13.85	10.99	2.39	5.96	0.08	9.61E-01	-3.25	7.68E-04	1.79	2.33E-01	M-1
ENSMMUG00000011743	LOC714747	Splicing Factor 3B Subunit 2	29.83	55.86	28.16	22.89	1.01	6.31E-02	-1.08	4.18E-02	-0.44	6.88E-01	M-1
ENSMMUG00000031183	FAM89B	Family With Sequence Similarity 89 Member B	7.30	14.75	3.17	2.13	0.61	6.89E-01	-3.38	2.89E-03	0.47	8.86E-01	M-1
ENSMMUG00000023479	LTBP3	Latent Transforming Growth Factor Beta Binding Protein 3	1.18	0.53	0.05	0.13	-2.26	1.57E-01	-3.60	2.03E-02	0.99	7.92E-01	M-1
ENSMMUG00000013475	CAPN1	Calpain 1	8.87	6.97	2.62	9.22	-0.24	8.91E-01	-2.93	9.94E-03	1.97	2.58E-01	M-1
ENSMMUG00000020105	SPDYC	Speedy/RINGO Cell Cycle Regulator Family Member C	48.24	49.74	1.96	1.34	-0.28	8.25E-01	-5.27	1.46E-10	1.01	5.50E-01	M-1
ENSMMUG00000018781	SYVN1	Synoviolin 1	25.18	42.37	11.39	8.68	-0.04	9.73E-01	-2.09	5.44E-03	-0.43	8.18E-01	M-1
ENSMMUG00000018773	TM7SF2	Transmembrane 7 Superfamily Member 2	1.03	1.87	0.72	0.19	1.33	5.91E-01	-4.46	2.91E-02	-0.57	9.27E-01	M-1
ENSMMUG00000031160	MEN1	Menin 1	13.87	13.73	3.24	6.78	0.06	9.73E-01	-2.31	3.49E-02	0.91	6.89E-01	M-1
ENSMMUG00000022604	PYGM	Glycogen Phosphorylase, Muscle Associated	4.39	2.57	0.59	0.04	-0.85	6.32E-01	-3.88	5.97E-03	-3.33	1.24E-01	M-1
ENSMMUG00000012942	DNAJC4	DnaJ Heat Shock Protein Family (Hsp40) Member C4	1.53	8.92	0.72	1.24	2.25	2.98E-01	-4.54	1.76E-02	1.05	8.26E-01	M-1
ENSMMUG00000018152	C14H11orf84	Chromosome 14 Open Reading Frame, Human C11orf84	25.26	12.46	0.82	0.40	-1.67	1.69E-01	-3.70	6.40E-04	-1.40	4.88E-01	M-1
ENSMMUG00000007544	TROAP	Trophinin Associated Protein	43.49	25.85	5.09	6.55	-0.63	4.91E-01	-2.39	1.07E-03	0.48	7.85E-01	M-1
ENSMMUG00000000188	NXF1	Nuclear RNA Export Factor 1	35.05	77.30	33.66	26.81	1.03	8.56E-02	-1.30	2.18E-02	-0.33	8.05E-01	M-1
ENSMMUG00000039671	TTC9C	Tetratricopeptide Repeat Domain 9C	3.87	10.40	3.77	3.32	1.32	5.54E-02	-1.65	1.18E-02	-0.47	7.53E-01	M-1
ENSMMUG00000004420	INCENP	Inner Centromere Protein	16.70	13.51	7.33	6.75	0.32	7.32E-01	-1.87	5.59E-03	0.16	9.47E-01	M-1
ENSMMUG00000000327	FADS2	Fatty Acid Desaturase 2	3.04	1.54	0.08	0.08	-0.80	6.68E-01	-3.50	1.80E-02	-1.43	6.50E-01	M-1
ENSMMUG00000013798	FADS1	Fatty Acid Desaturase 1	25.66	13.44	3.30	1.26	-1.12	3.43E-01	-3.16	1.46E-03	-0.18	9.63E-01	M-1
ENSMMUG00000048768			17.04	14.84	0.60	1.92	-0.54	7.87E-01	-6.58	2.51E-05	3.24	1.51E-01	M-1
ENSMMUG00000014531	TMEM109	Transmembrane Protein 109	61.25	44.84	6.03	6.33	-0.48	6.91E-01	-2.86	1.18E-03	-1.20	4.45E-01	M-1
ENSMMUG00000014530	PRPF19	Pre-mRNA Processing Factor 19	32.02	42.96	18.62	21.30	0.29	6.75E-01	-1.14	3.19E-02	-0.01	9.97E-01	M-1
ENSMMUG00000000017			5.70	0.94	1.91	0.07	-1.94	4.69E-01	-7.09	2.39E-03	1.72	7.53E-01	M-1
ENSMMUG00000046674			353.17	300.94	25.22	3.02	-0.71	5.46E-01	-4.02	5.76E-06	-2.28	7.15E-02	M-1
ENSMMUG00000046488			577.34	250.67	86.72	5.29	-1.54	1.29E-01	-3.24	3.22E-04	-1.92	1.57E-01	M-1
ENSMMUG00000045461			1.44	3.67	0.02	0.07	-0.14	9.59E-01	-6.97	6.77E-05	4.36	8.88E-02	M-1
ENSMMUG00000022319	STX3	Syntaxin 3	7.63	6.25	3.36	4.69	-0.34	6.98E-01	-1.32	4.81E-02	0.83	4.68E-01	M-1
ENSMMUG00000010274	FAM111A	Family With Sequence Similarity 111 Member A	13.03	10.98	1.16	0.61	0.30	8.02E-01	-4.78	8.78E-10	0.08	9.79E-01	M-1
ENSMMUG00000001083	LOC701547	Glycine N-acyltransferase-like Protein 1	1.29	0.59	0.13	0.02	-2.58	1.76E-01	-3.61	4.83E-02	0.05	9.94E-01	M-1
ENSMMUG00000011714	ZFP91	ZFP91 Zinc Finger Protein	15.92	17.29	7.94	3.56	0.02	9.85E-01	-1.73	1.99E-04	-0.62	4.67E-01	M-1

ENSMMUG00000002563	ZDHC5	Zinc Finger DHHC-type Containing 5	23.26	38.36	17.30	12.70	1.07	1.36E-01	-1.63	1.33E-02	-0.14	9.51E-01	M-1
ENSMMUG00000012618	SERPING1	Serpin Family G Member 1	4.08	6.89	0.11	0.82	0.15	9.44E-01	-4.79	2.34E-04	2.21	3.09E-01	M-1
ENSMMUG00000001332	UBE2L6	Ubiquitin Conjugating Enzyme E2 L6	5.88	23.29	0.14	0.02	0.94	6.22E-01	-7.79	1.11E-07	-0.78	8.63E-01	M-1
ENSMMUG00000010601	SLC43A3	Solute Carrier Family 43 Member 3	75.51	40.27	6.24	1.10	-0.86	4.68E-01	-3.90	2.88E-05	-1.54	3.26E-01	M-1
ENSMMUG00000012881	AGBL2	ATP/GTP Binding Protein Like 2	4.69	8.86	0.24	0.71	0.75	6.34E-01	-5.12	1.06E-05	2.29	2.19E-01	M-1
ENSMMUG00000015602	MADD	MAP Kinase Activating Death Domain	11.74	15.51	3.56	2.77	-0.28	8.44E-01	-2.00	4.05E-02	-0.21	9.50E-01	M-1
ENSMMUG00000022964	DDB2	Damage Specific DNA Binding Protein 2	19.48	24.22	10.63	4.63	-0.20	9.17E-01	-2.66	3.40E-02	0.17	9.69E-01	M-1
ENSMMUG00000019674	F2	Coagulation Factor II, Thrombin	7.72	3.06	0.26	0.16	-2.74	7.49E-02	-5.90	2.49E-04	1.35	6.92E-01	M-1
ENSMMUG00000011526	AMBRA1	Autophagy And Beclin 1 Regulator 1	31.04	24.22	6.83	2.81	-0.52	6.54E-01	-1.97	2.73E-02	-1.70	1.89E-01	M-1
ENSMMUG00000002617	PHF21A	PHD Finger Protein 21A	17.16	22.69	4.03	2.71	0.27	8.21E-01	-3.13	7.20E-05	-0.59	7.51E-01	M-1
ENSMMUG00000002452	SLC35C1	Solute Carrier Family 35 Member C1	7.68	6.36	1.81	2.94	-0.08	9.61E-01	-2.88	6.59E-03	0.62	8.11E-01	M-1
ENSMMUG00000031040	TP5311	Tumor Protein P53 Inducible Protein 11	7.26	6.39	1.77	0.26	-1.02	4.69E-01	-4.75	3.35E-05	-0.22	9.59E-01	M-1
ENSMMUG00000018269	C14H11orf74	Chromosome 14 C11orf74 Homolog	5.29	3.78	1.58	0.62	-0.35	7.95E-01	-2.10	2.81E-02	-0.14	9.68E-01	M-1
ENSMMUG00000018265	PRR5L	Proline Rich 5 Like	36.96	9.83	1.35	0.23	-1.82	5.95E-02	-4.64	1.97E-07	-1.85	2.09E-01	M-1
ENSMMUG00000007093	LDLRAD3	Low Density Lipoprotein Receptor Class A Domain Containing 3	12.00	4.26	1.51	0.46	-1.37	1.48E-01	-2.22	1.07E-02	-0.96	5.60E-01	M-1
ENSMMUG00000002429	CAT	Catalase	1.87	0.97	0.09	0.15	-1.56	2.59E-01	-3.71	2.40E-03	0.19	9.67E-01	M-1
ENSMMUG00000007633	LMO2	LIM Domain Only 2	1.43	3.22	0.14	1.43	-1.09	6.18E-01	-4.40	1.61E-02	3.52	1.86E-01	M-1
ENSMMUG00000017218	KIAA1549L	KIAA1549 Like	17.09	24.48	1.42	0.34	0.19	9.15E-01	-5.77	6.23E-08	-0.25	9.49E-01	M-1
ENSMMUG00000009028	CCDC73	Coiled-coil Domain Containing 73	26.81	27.36	12.40	2.38	-0.08	9.40E-01	-1.65	1.89E-02	-1.25	2.39E-01	M-1
ENSMMUG00000009055	NELL1	Neural EGFL Like 1	9.04	4.45	1.14	0.47	-1.91	1.25E-01	-2.77	1.81E-02	-1.07	6.55E-01	M-1
ENSMMUG00000016942	NAV2	Neuron Navigator 2	20.33	16.25	0.66	1.96	-0.07	9.61E-01	-6.14	2.87E-13	1.48	3.03E-01	M-1
ENSMMUG00000017628	PLEKHA7	Pleckstrin Homology Domain Containing A7	13.68	17.33	0.95	4.19	0.75	5.86E-01	-5.09	6.42E-07	2.58	8.01E-02	M-1
ENSMMUG00000000761	CYP2R1	Cytochrome P450, Family 2, Subfamily R, Polypeptide 1	26.45	11.78	6.64	0.43	-1.28	3.18E-01	-3.44	1.66E-03	-1.45	4.73E-01	M-1
ENSMMUG00000021914	SPON1	Spondin 1	8.68	3.48	0.18	0.09	-1.12	4.90E-01	-3.84	4.94E-03	-1.80	4.80E-01	M-1
ENSMMUG00000006652	ZBED5	Zinc Finger BED-type Containing 5	1.96	9.16	2.48	6.63	2.22	6.21E-02	-2.38	4.02E-02	1.77	3.27E-01	M-1
ENSMMUG00000015792	MRVI1	Murine Retrovirus Integration Site 1 Homolog	10.82	11.81	0.29	0.30	-0.68	4.03E-01	-5.73	9.73E-20	0.27	8.91E-01	M-1
ENSMMUG00000009205	SBF2	SET Binding Factor 2	21.37	13.94	3.13	5.47	-0.66	4.70E-01	-2.45	8.65E-04	1.51	1.71E-01	M-1
ENSMMUG00000006689	NRIP3	Nuclear Receptor Interacting Protein 3	11.18	5.31	0.15	0.10	-1.29	3.43E-01	-7.80	1.23E-09	2.05	3.54E-01	M-1
ENSMMUG00000021830	ST5	Suppression Of Tumorigenicity 5	10.56	7.93	0.64	1.02	-0.13	9.28E-01	-5.63	1.01E-10	1.99	1.31E-01	M-1
ENSMMUG00000018471	STK33	Serine/threonine Kinase 33	1.49	2.02	0.17	0.08	0.31	8.76E-01	-6.23	4.92E-06	1.07	7.32E-01	M-1
ENSMMUG00000038771	OLFML1	Olfactomedin Like 1	1.78	1.90	0.09	0.09	-0.50	8.26E-01	-6.22	8.61E-05	1.84	5.38E-01	M-1
ENSMMUG00000009264	ZNF215	Zinc Finger Protein 215	37.26	20.19	6.83	5.62	-0.72	4.92E-01	-2.34	6.20E-03	0.42	8.51E-01	M-1
ENSMMUG00000007738	RRP8	Ribosomal RNA Processing 8	7.59	36.36	10.54	7.03	2.02	6.51E-02	-2.13	4.52E-02	0.22	9.51E-01	M-1
ENSMMUG00000004974	TRIM21	Tripartite Motif Containing 21	4.13	2.50	5.71	0.71	-0.47	8.20E-01	-3.20	2.86E-02	0.03	9.97E-01	M-1
ENSMMUG00000003950	NUP98	Nucleoporin 98	21.81	23.49	14.45	13.49	0.09	8.74E-01	-0.89	1.61E-02	-0.04	9.78E-01	M-1
ENSMMUG00000010321	C2CD3	C2 Calcium Dependent Domain Containing 3	6.82	13.26	3.49	2.91	1.09	2.03E-01	-2.62	3.79E-04	0.71	6.50E-01	M-1
ENSMMUG00000045542			55.79	25.20	13.85	16.50	-1.26	3.41E-01	-3.82	6.59E-04	2.87	5.71E-02	M-1
ENSMMUG00000017402	PGM2L1	Phosphoglucomutase 2 Like 1	2.77	4.10	0.41	1.41	0.38	8.39E-01	-4.48	2.59E-04	3.22	5.45E-02	M-1
ENSMMUG00000020643	POLD3	DNA Polymerase Delta 3, Accessory Subunit	92.44	84.67	20.40	10.17	-0.39	7.19E-01	-3.51	2.82E-06	0.83	5.89E-01	M-1

ENSMMUG00000048604	THAP12	THAP Domain Containing 12	34.54	42.65	26.13	18.73	0.05	9.42E-01	-1.07	1.72E-02	0.16	9.01E-01	M-1
ENSMMUG00000041609			5.83	7.89	0.17	0.05	0.02	9.95E-01	-5.68	1.03E-02	-1.34	8.06E-01	M-1
ENSMMUG00000018188	GDPD4	Glycerophosphodiester Phosphodiesterase Domain Containing 4	27.13	35.90	2.75	0.12	0.21	9.15E-01	-6.18	3.14E-07	-1.09	6.97E-01	M-1
ENSMMUG00000001387	PAK1	P21 (RAC1) Activated Kinase 1	18.00	8.35	0.92	4.22	-0.93	4.34E-01	-3.53	2.42E-04	2.02	1.69E-01	M-1
ENSMMUG000000017473	KCTD21	Potassium Channel Tetramerization Domain Containing 21	4.48	6.26	0.58	1.93	0.78	5.70E-01	-3.57	8.48E-04	1.40	4.71E-01	M-1
ENSMMUG000000017477	GAB2	GRB2 Associated Binding Protein 2	81.10	68.89	12.26	11.53	-0.55	4.75E-01	-3.56	9.37E-10	0.88	4.07E-01	M-1
ENSMMUG00000005031	ANKRD42	Ankyrin Repeat Domain 42	7.13	8.02	2.80	3.37	-0.06	9.63E-01	-1.94	3.10E-02	0.73	6.99E-01	M-1
ENSMMUG00000007921	DLG2	Discs Large MAGUK Scaffold Protein 2	1.66	0.90	0.81	0.02	-1.29	3.61E-01	-5.56	1.42E-05	0.40	9.26E-01	M-1
ENSMMUG000000012449	SYTL2	Synaptotagmin Like 2	45.28	26.92	5.53	3.87	-0.88	3.25E-01	-3.29	5.51E-06	1.08	4.08E-01	M-1
ENSMMUG000000048340	TRIM77	Tripartite Motif Containing 77	376.88	478.71	63.55	3.17	-0.18	9.14E-01	-5.22	1.37E-07	-0.99	6.43E-01	M-1
ENSMMUG000000030952	LOC706715	Tripartite Motif-containing Protein 51	10.34	30.20	1.92	0.54	0.24	9.04E-01	-5.65	5.34E-06	-0.07	9.89E-01	M-1
ENSMMUG000000023800	LOC693283	Putative Tripartite Motif-containing Protein 49B	0.96	15.30	1.16	0.51	3.36	6.12E-02	-7.88	2.52E-06	3.44	1.73E-01	M-1
ENSMMUG000000010216	LOC693908	Tripartite Motif-containing Protein 49D	0.92	27.27	1.28	0.56	2.38	1.55E-01	-5.88	8.43E-05	0.61	8.88E-01	M-1
ENSMMUG000000040519	SMCO4	Single-pass Membrane Protein With Coiled-coil Domains 4	0.51	3.28	1.01	1.82	2.11	2.33E-01	-3.83	1.52E-02	2.91	2.14E-01	M-1
ENSMMUG000000008025	CEP295	Centrosomal Protein 295	59.38	60.24	19.35	12.38	-0.15	8.75E-01	-2.08	5.02E-04	0.22	9.02E-01	M-1
ENSMMUG000000011649	C14H11orf54	Chromosome 14 Open Reading Frame, Human C11orf54	7.21	2.58	0.63	1.03	-1.14	4.30E-01	-3.66	2.71E-03	1.37	5.57E-01	M-1
ENSMMUG000000044913			0.79	2.89	0.08	0.22	2.17	6.09E-01	-8.21	1.66E-02	7.73	1.03E-01	M-1
ENSMMUG000000040247	IZUMO1R	IZUMO1 Receptor, JUNO	36.86	8.46	1.55	0.28	-2.71	5.11E-02	-3.88	4.31E-03	-1.94	4.48E-01	M-1
ENSMMUG000000004112	MRE11	MRE11 Homolog, Double Strand Break Repair Nuclease	37.44	21.54	7.12	15.28	-0.86	2.41E-01	-1.51	2.04E-02	1.15	2.39E-01	M-1
ENSMMUG000000001730	AMOTL1	Angiomotin Like 1	2.96	1.52	0.29	0.97	-1.04	3.79E-01	-3.69	2.40E-04	2.18	1.37E-01	M-1
ENSMMUG000000014796	CEP57	Centrosomal Protein 57	41.71	35.72	22.65	12.37	0.07	9.28E-01	-1.31	3.73E-03	-0.45	6.26E-01	M-1
ENSMMUG000000014801	MTMR2	Myotubularin Related Protein 2	83.75	52.20	10.19	11.04	-1.01	2.27E-01	-3.31	2.48E-06	1.00	4.38E-01	M-1
ENSMMUG000000014806	MAML2	Mastermind Like Transcriptional Coactivator 2	2.57	5.31	0.31	0.06	1.05	5.33E-01	-6.26	1.63E-06	-1.56	5.59E-01	M-1
ENSMMUG000000011835	TRPC6	Transient Receptor Potential Cation Channel Subfamily C Member 6	1.58	0.59	0.01	0.04	-2.22	3.62E-01	-7.14	1.10E-03	2.70	5.05E-01	M-1
ENSMMUG000000003396	YAP1	Yes Associated Protein 1	43.74	69.06	21.91	26.81	1.07	2.16E-01	-1.91	1.32E-02	0.21	9.31E-01	M-1
ENSMMUG000000014415	DDX10	DEAD-box Helicase 10	118.01	64.86	23.40	12.56	-1.00	5.84E-02	-2.13	6.67E-06	-0.03	9.89E-01	M-1
ENSMMUG000000000527	ARHGAP20	Rho GTPase Activating Protein 20	12.88	6.98	0.45	0.05	-0.97	4.49E-01	-5.84	8.92E-09	-1.56	4.19E-01	M-1
ENSMMUG000000021438	BTG4	BTG Anti-proliferation Factor 4	122.27	53.49	9.08	0.49	-1.61	1.03E-01	-4.09	2.62E-06	-1.84	1.79E-01	M-1
ENSMMUG000000004688	NCAM1	Neural Cell Adhesion Molecule 1	0.49	0.99	0.08	0.73	-0.90	6.41E-01	-4.64	2.50E-03	3.28	1.25E-01	M-1
ENSMMUG000000014334	DRD2	Dopamine Receptor D2	4.63	6.05	0.06	0.05	-0.05	9.80E-01	-6.04	1.36E-06	-0.61	8.68E-01	M-1
ENSMMUG000000012271	C14H11orf71	Chromosome 14 Open Reading Frame, Human C11orf71	2.78	16.63	2.13	1.65	2.37	1.16E-01	-3.44	1.61E-02	-0.70	8.51E-01	M-1
ENSMMUG000000046770			1.64	6.80	0.55	0.11	2.05	2.13E-01	-4.88	9.95E-04	-0.21	9.72E-01	M-1
ENSMMUG000000016128	SIK3	SIK Family Kinase 3	4.14	4.60	1.10	1.57	0.19	8.85E-01	-2.94	2.52E-04	0.53	7.89E-01	M-1
ENSMMUG000000002050	PAFAH1B2	Platelet Activating Factor Acetylhydrolase 1b Catalytic Subunit 2	35.67	55.67	18.22	13.70	0.61	4.00E-01	-1.78	3.18E-03	0.21	9.03E-01	M-1

ENSMMUG00000002053	SIDT2	SID1 Transmembrane Family Member 2	11.97	11.80	3.48	1.69	0.00	9.99E-01	-2.24	4.40E-02	-0.64	8.05E-01	M-1
ENSMMUG00000007791	CEP164	Centrosomal Protein 164	2.82	4.01	0.71	1.75	0.62	6.15E-01	-3.12	8.53E-04	0.98	6.04E-01	M-1
ENSMMUG00000007794	LOC106993493	Down Syndrome Cell Adhesion Molecule-like Protein 1	4.60	5.58	0.16	0.10	-0.49	7.89E-01	-5.82	2.34E-06	-1.02	7.26E-01	M-1
ENSMMUG00000007796			2.82	4.86	0.67	0.27	1.35	4.78E-01	-6.85	2.88E-05	1.29	7.50E-01	M-1
ENSMMUG00000023594	MPZL3	Myelin Protein Zero Like 3	3.58	5.30	0.16	0.45	0.14	9.52E-01	-8.06	1.11E-06	3.64	1.41E-01	M-1
ENSMMUG00000016946	TRAPPC4	Trafficking Protein Particle Complex 4	6.24	20.20	8.30	6.94	1.47	1.49E-01	-2.01	3.53E-02	0.97	5.90E-01	M-1
ENSMMUG00000008921	USP2	Ubiquitin Specific Peptidase 2	170.84	150.18	8.48	2.54	-0.61	6.13E-01	-4.53	2.45E-07	-1.91	1.57E-01	M-1
ENSMMUG00000019111	TRIM29	Tripartite Motif Containing 29	21.49	15.98	0.76	1.01	-0.07	9.70E-01	-5.64	2.72E-07	1.35	5.28E-01	M-1
ENSMMUG00000012251	POU2F3	POU Class 2 Homeobox 3	6.14	10.48	0.10	0.18	-0.14	9.56E-01	-6.22	4.69E-05	0.92	8.19E-01	M-1
ENSMMUG00000014880	SORL1	Sortilin Related Receptor 1	10.44	5.54	0.60	1.10	-1.36	2.28E-01	-3.15	1.29E-03	0.68	7.71E-01	M-1
ENSMMUG00000002922			6.85	2.61	1.65	0.05	-1.24	4.54E-01	-3.39	1.71E-02	-2.33	3.31E-01	M-1
ENSMMUG00000015731	JHY	Junctional Cadherin Complex Regulator	3.39	1.56	0.44	0.27	-0.68	7.25E-01	-4.26	3.18E-03	1.38	6.42E-01	M-1
ENSMMUG00000010646	ZNF202	Zinc Finger Protein 202	3.27	3.82	0.44	1.56	-0.74	6.19E-01	-3.60	1.46E-03	1.61	4.14E-01	M-1
ENSMMUG00000008471			26.55	38.99	8.34	11.83	0.43	7.74E-01	-2.94	5.96E-03	1.85	2.65E-01	M-1
ENSMMUG00000008053	PKNX2	PBX/knotted 1 Homeobox 2	4.08	3.23	0.09	0.13	-0.69	6.50E-01	-4.86	1.67E-05	0.63	8.34E-01	M-1
ENSMMUG00000007624	DDX25	DEAD-box Helicase 25	4.18	3.70	0.11	0.13	-0.69	6.56E-01	-6.90	1.65E-08	0.42	9.11E-01	M-1
ENSMMUG00000007628	CDON	Cell Adhesion Associated, Oncogene Regulated	4.68	4.83	1.68	3.45	0.38	8.06E-01	-2.47	2.54E-02	1.61	3.67E-01	M-1
ENSMMUG00000006929	ST3GAL4	ST3 Beta-galactoside Alpha-2,3-sialyltransferase 4	12.09	10.02	1.87	3.28	-0.31	8.36E-01	-2.79	5.69E-03	1.01	6.17E-01	M-1
ENSMMUG00000003145	KCNJ5	Potassium Voltage-gated Channel Subfamily J Member 5	1.24	1.31	0.10	0.14	-0.27	9.03E-01	-4.26	3.66E-03	1.19	7.26E-01	M-1
ENSMMUG00000002963	ARHGAP32	Rho GTPase Activating Protein 32	11.96	9.81	2.90	5.52	-0.85	3.47E-01	-1.87	1.50E-02	0.77	6.07E-01	M-1
ENSMMUG00000018034	ST14	Suppression Of Tumorigenicity 14	12.32	9.04	4.05	9.83	-1.61	1.07E-01	-2.31	1.33E-02	1.21	4.51E-01	M-1
ENSMMUG00000020197	NTM	Neurotrimin	1.81	0.44	0.03	0.01	-2.85	7.54E-02	-5.25	1.29E-03	1.53	6.52E-01	M-1
ENSMMUG00000012410	IGSF9B	Immunoglobulin Superfamily Member 9B	1.23	3.13	0.67	0.52	1.76	2.87E-01	-3.49	1.61E-02	0.76	8.34E-01	M-1
ENSMMUG00000007100			123.04	45.67	35.30	1.61	-1.39	1.91E-01	-3.86	2.48E-05	-0.88	6.61E-01	M-1
ENSMMUG00000023253			264.91	98.03	24.70	7.97	-1.29	1.45E-01	-2.78	3.90E-04	-1.22	3.61E-01	M-1
ENSMMUG00000021287	SAP130	Sin3A Associated Protein 130	64.65	92.81	32.98	22.99	0.51	3.71E-01	-1.57	7.98E-04	-0.57	5.20E-01	M-1
ENSMMUG00000004179	LIMS2	LIM Zinc Finger Domain Containing 2	2.68	1.07	0.39	0.03	-2.26	1.76E-01	-4.00	1.24E-02	-2.44	3.70E-01	M-1
ENSMMUG00000004177	MYO7B	Myosin VII B	0.94	0.70	0.03	0.02	-2.20	1.33E-01	-3.18	2.69E-02	-1.80	4.97E-01	M-1
ENSMMUG00000002799	IWS1	IWS1, SUPT6H Interacting Protein	211.17	164.06	43.07	21.98	-0.59	3.85E-01	-1.97	3.18E-04	-0.60	5.82E-01	M-1
ENSMMUG000000046891			22.85	166.25	17.91	0.67	2.95	1.80E-01	-5.15	1.11E-02	1.29	7.98E-01	M-1
ENSMMUG000000043146	INHBB	Inhibin Beta B Subunit	4.37	3.40	0.45	0.02	1.40	6.10E-01	-5.73	1.01E-02	-3.47	3.47E-01	M-1
ENSMMUG00000011129	CFAP221	Cilia And Flagella Associated Protein 221	1.76	0.95	0.04	0.02	-1.80	2.36E-01	-5.65	1.09E-04	-0.61	8.80E-01	M-1
ENSMMUG000000039116	CCDC93	Coiled-coil Domain Containing 93	17.20	14.00	3.05	3.83	-0.06	9.63E-01	-3.30	5.34E-05	1.42	2.91E-01	M-1
ENSMMUG000000045065	LYPD1	LY6/PLAUR Domain Containing 1	123.90	131.18	9.42	1.21	-0.03	9.82E-01	-5.80	3.08E-13	-1.19	4.26E-01	M-1
ENSMMUG000000045491	NCKAP5	NCK Associated Protein 5	1.29	0.54	0.04	0.03	-2.53	1.18E-01	-4.68	3.07E-03	-2.83	2.59E-01	M-1
ENSMMUG00000014630	RAB3GAP1	RAB3 GTPase Activating Protein Catalytic Subunit 1	10.93	10.23	4.24	2.80	0.02	9.85E-01	-1.58	4.47E-02	0.18	9.47E-01	M-1
ENSMMUG00000009844	R3HDM1	R3H Domain Containing 1	24.32	35.37	18.97	15.33	0.33	4.88E-01	-1.03	8.48E-03	-0.50	4.70E-01	M-1
ENSMMUG00000002560	SPOPL	Speckle Type BTB/POZ Protein Like	2.27	4.56	0.58	1.19	0.97	4.20E-01	-3.00	2.57E-03	0.86	6.89E-01	M-1
ENSMMUG00000009885	LRP1B	LDL Receptor Related Protein 1B	3.98	2.56	0.41	0.08	-1.40	1.82E-01	-3.48	1.50E-04	-2.26	8.48E-02	M-1
ENSMMUG00000021330	KYNU	Kynureninase	4.07	1.01	0.16	0.09	-2.66	7.41E-02	-3.13	3.16E-02	0.51	9.03E-01	M-1
ENSMMUG00000016845	ZEB2	Zinc Finger E-box Binding Homeobox 2	2.41	3.24	1.53	0.11	1.20	4.26E-01	-3.40	6.41E-03	-2.19	2.59E-01	M-1

ENSMMUG00000038492	LYPD6	LY6/PLAUR Domain Containing 6	30.68	11.15	6.51	0.28	-1.89	8.92E-02	-4.23	2.03E-05	-1.32	4.80E-01	M-1
ENSMMUG00000016040	RND3	Rho Family GTPase 3	0.97	1.71	0.55	0.21	0.65	7.00E-01	-5.41	1.08E-05	3.19	6.11E-02	M-1
ENSMMUG00000010927	TNFAIP6	TNF Alpha Induced Protein 6	6.09	5.71	1.17	0.05	-2.35	2.67E-01	-4.54	1.66E-02	-4.40	1.03E-01	M-1
ENSMMUG00000008615	NEB	Nebulin	54.63	55.27	6.67	0.94	0.02	9.83E-01	-4.13	2.26E-11	-1.37	1.58E-01	M-1
ENSMMUG00000045983			8.29	7.70	3.34	2.44	-0.48	6.71E-01	-2.00	2.10E-02	0.62	7.51E-01	M-1
ENSMMUG00000031452	FMNL2	Formin Like 2	62.70	85.81	15.90	14.74	0.10	9.28E-01	-2.19	1.74E-03	0.06	9.82E-01	M-1
ENSMMUG00000043698			10.12	7.74	0.40	0.18	-1.73	4.79E-01	-4.34	4.47E-02	-1.08	8.51E-01	M-1
ENSMMUG00000048299			43.43	49.89	19.10	10.46	0.32	6.90E-01	-2.26	9.48E-05	-0.06	9.77E-01	M-1
ENSMMUG00000014176	CYTIP	Cytohesin 1 Interacting Protein	7.45	7.62	3.02	0.08	0.45	8.06E-01	-4.65	1.66E-04	-1.17	6.62E-01	M-1
ENSMMUG00000011636	UPP2	Uridine Phosphorylase 2	5.54	4.19	0.05	0.07	-1.98	2.16E-01	-5.24	1.51E-03	-0.89	8.33E-01	M-1
ENSMMUG00000011637	CCDC148	Coiled-coil Domain Containing 148	2.02	1.92	0.40	0.06	0.39	8.72E-01	-3.81	2.16E-02	-2.24	4.54E-01	M-1
ENSMMUG00000043509			1.21	0.21	0.05	0.30	-2.59	8.39E-02	-3.29	2.78E-02	3.15	1.22E-01	M-1
ENSMMUG00000020585	KLHL23	Kelch Like Family Member 23	21.63	9.60	2.48	0.39	-2.04	8.87E-02	-3.57	1.10E-03	-0.24	9.51E-01	M-1
ENSMMUG00000016256	MYO3B	Myosin IIIB	11.56	4.19	0.18	0.16	-2.05	5.43E-02	-3.53	4.48E-04	-1.04	6.28E-01	M-1
ENSMMUG00000023006	CIR1	Corepressor Interacting With RBPJ, 1	28.85	43.92	17.83	9.63	0.52	3.77E-01	-1.40	4.43E-03	-0.72	3.92E-01	M-1
ENSMMUG00000003947	ATF2	Activating Transcription Factor 2	32.06	50.77	14.12	7.63	0.59	5.49E-01	-2.23	3.90E-03	-0.44	8.19E-01	M-1
ENSMMUG00000023498	LNPB	Lunapark, ER Junction Formation Factor	23.93	12.79	5.50	3.34	-1.40	6.66E-02	-1.91	7.74E-03	0.46	7.90E-01	M-1
ENSMMUG00000048944			3.69	6.89	3.22	1.58	0.89	1.05E-01	-1.41	5.54E-03	-0.35	7.80E-01	M-1
ENSMMUG00000019689	CCDC141	Coiled-coil Domain Containing 141	4.09	2.72	0.67	0.19	-0.95	3.93E-01	-4.76	1.24E-07	1.02	5.85E-01	M-1
ENSMMUG00000003855	ZNF385B	Zinc Finger Protein 385B	4.07	2.97	0.77	0.05	-0.29	9.00E-01	-6.70	5.34E-06	1.51	6.31E-01	M-1
ENSMMUG00000014277	SSFA2	Sperm Specific Antigen 2	15.56	9.17	4.19	2.95	-0.81	3.81E-01	-3.15	2.22E-05	1.17	3.60E-01	M-1
ENSMMUG00000047996	DUSP19	Dual Specificity Phosphatase 19	0.88	1.67	0.65	0.31	0.56	7.20E-01	-3.58	1.88E-03	1.72	3.84E-01	M-1
ENSMMUG00000048330			2.16	2.13	0.12	0.02	-0.13	9.73E-01	-9.86	4.50E-05	2.72	5.83E-01	M-1
ENSMMUG00000010405	FAM171B	Family With Sequence Similarity 171 Member B	34.36	14.48	2.14	1.94	-1.91	9.79E-02	-3.28	1.85E-03	-1.29	5.14E-01	M-1
ENSMMUG00000008265	GULP1	GULP, Engulfment Adaptor PTB Domain Containing 1	5.68	6.17	0.74	0.61	-0.77	6.96E-01	-5.51	1.81E-04	3.64	9.18E-02	M-1
ENSMMUG00000011080	WDR75	WD Repeat Domain 75	7.03	9.91	5.12	4.30	0.32	5.97E-01	-1.07	2.57E-02	0.41	6.82E-01	M-1
ENSMMUG00000022664	NAB1	NGFI-A Binding Protein 1	7.25	6.78	1.52	2.38	0.44	7.17E-01	-4.24	5.29E-07	2.19	6.96E-02	M-1
ENSMMUG00000005617	STAT4	Signal Transducer And Activator Of Transcription 4	3.92	1.76	1.27	0.09	-1.33	4.55E-01	-4.04	7.45E-03	-2.28	3.63E-01	M-1
ENSMMUG00000009460	NABP1	Nucleic Acid Binding Protein 1	90.30	43.86	26.94	27.88	-0.85	3.24E-01	-1.97	7.74E-03	0.96	4.65E-01	M-1
ENSMMUG00000002766			8.83	18.26	5.28	1.20	1.33	2.31E-01	-3.28	6.86E-04	-1.38	4.31E-01	M-1
ENSMMUG00000001475	TMEFF2	Transmembrane Protein With EGF Like And Two Follistatin Like Domains 2	1.29	2.69	0.52	0.04	0.51	8.20E-01	-7.48	7.29E-06	1.96	5.53E-01	M-1
ENSMMUG00000021931	AOX1	Aldehyde Oxidase 1	3.14	1.44	0.12	0.11	-1.39	3.73E-01	-5.74	2.21E-05	0.78	8.19E-01	M-1
ENSMMUG00000018144			24.58	12.77	1.29	0.21	-1.46	1.41E-01	-3.96	4.25E-06	-1.43	3.35E-01	M-1
ENSMMUG00000018151	MPP4	Membrane Palmitoylated Protein 4	7.44	7.12	0.32	0.08	-1.15	4.60E-01	-5.12	7.68E-05	-0.08	9.87E-01	M-1
ENSMMUG00000018155	ALS2	ALS2, Alsin Rho Guanine Nucleotide Exchange Factor	7.24	27.57	4.67	3.86	1.79	5.33E-02	-3.20	1.40E-04	0.57	7.86E-01	M-1
ENSMMUG00000001883	KIAA2012	KIAA2012 Ortholog	2.91	1.95	0.18	0.21	-1.26	3.22E-01	-2.75	1.45E-02	-0.56	8.50E-01	M-1
ENSMMUG00000048038			6.37	2.95	1.19	0.87	-1.08	3.54E-01	-2.45	2.02E-02	0.32	9.20E-01	M-1
ENSMMUG00000017364	ICA1L	Islet Cell Autoantigen 1 Like	11.78	4.70	1.71	0.46	-1.53	2.17E-01	-3.06	5.93E-03	-0.12	9.77E-01	M-1
ENSMMUG00000014814	PARD3B	Par-3 Family Cell Polarity Regulator Beta	6.79	11.38	0.86	0.58	0.30	8.18E-01	-3.47	7.12E-05	-0.44	8.53E-01	M-1
ENSMMUG00000020052	NRP2	Neuropilin 2	41.07	16.61	2.26	0.58	-1.43	2.54E-01	-4.15	7.98E-05	0.06	9.87E-01	M-1
ENSMMUG00000017524	PIKFYVE	Phosphoinositide Kinase, FYVE-type Zinc Finger Containing	12.27	12.18	4.76	7.01	-0.12	8.63E-01	-1.12	1.65E-02	0.57	5.00E-01	M-1

ENSMMUG00000005295	PTH2R	Parathyroid Hormone 2 Receptor	1.04	1.50	0.11	0.09	0.73	7.12E-01	-3.89	1.29E-02	-1.75	5.86E-01	M-1
ENSMMUG00000002809			0.77	6.57	0.56	0.20	2.61	5.18E-02	-5.71	2.47E-06	1.93	3.55E-01	M-1
ENSMMUG00000010508	CPS1	Carbamoyl-phosphate Synthase 1	0.89	0.23	0.05	0.01	-2.95	2.10E-01	-4.45	4.77E-02	-1.63	7.38E-01	M-1
ENSMMUG00000000382	LOC694114	Sperm-associated Antigen 16 Protein	12.11	23.90	4.01	3.07	-0.03	9.85E-01	-2.89	7.33E-03	-0.05	9.92E-01	M-1
ENSMMUG000000040279	TMEM169	Transmembrane Protein 169	11.39	10.76	0.51	0.17	-0.28	8.15E-01	-5.61	1.24E-12	-0.12	9.70E-01	M-1
ENSMMUG000000041480	IGFBP5	Insulin Like Growth Factor Binding Protein 5	26.50	15.31	0.25	0.37	-0.53	6.47E-01	-5.74	7.88E-12	0.35	8.93E-01	M-1
ENSMMUG00000006737	ZNF142	Zinc Finger Protein 142	18.62	33.84	11.35	4.78	1.00	5.44E-02	-1.64	6.03E-04	-1.00	1.66E-01	M-1
ENSMMUG00000006755	TTL4	Tubulin Tyrosine Ligase Like 4	21.57	40.16	11.52	9.78	0.95	2.48E-01	-1.85	1.05E-02	-0.30	8.82E-01	M-1
ENSMMUG00000019628	TUBA4A	Tubulin Alpha 4a	10.49	8.60	1.80	0.27	-0.66	6.34E-01	-3.68	4.17E-04	-1.53	4.08E-01	M-1
ENSMMUG00000019629			13.89	10.91	1.31	0.17	-0.32	8.68E-01	-3.97	2.17E-03	-2.63	1.96E-01	M-1
ENSMMUG00000012008	PTPRN	Protein Tyrosine Phosphatase, Receptor Type N	0.18	3.99	0.60	0.49	2.19	1.94E-01	-4.05	8.20E-03	-1.28	6.92E-01	M-1
ENSMMUG00000007481	LOC705624	Obscurin-like Protein 1	1.44	0.63	0.02	0.37	-2.49	1.36E-01	-4.27	7.96E-03	3.32	1.65E-01	M-1
ENSMMUG00000006161	SERPINE2	Serpin Family E Member 2	26.06	23.86	15.76	2.36	-0.08	9.51E-01	-2.97	1.68E-04	-0.30	9.00E-01	M-1
ENSMMUG00000018139	DOCK10	Dedicator Of Cytokinesis 10	1.20	0.33	0.12	0.01	-1.37	3.47E-01	-2.66	4.36E-02	-2.84	1.39E-01	M-1
ENSMMUG000000045544	NYAP2	Neuronal Tyrosine-phosphorylated Phosphoinositide-3-kinase Adaptor 2	3.32	12.40	0.55	0.04	1.04	5.98E-01	-5.99	6.31E-05	-1.18	7.51E-01	M-1
ENSMMUG00000019467	IRS1	Insulin Receptor Substrate 1	1.39	1.74	0.25	0.44	-0.19	9.15E-01	-2.46	2.87E-02	1.94	2.56E-01	M-1
ENSMMUG00000000722	RHBDD1	Rhomboid Domain Containing 1	8.94	12.35	3.58	1.53	0.14	9.17E-01	-1.76	4.69E-02	-1.54	2.38E-01	M-1
ENSMMUG00000013254	SPHKAP	SPHK1 Interactor, AKAP Domain Containing	10.79	7.85	1.54	0.07	-0.97	4.82E-01	-4.37	5.67E-05	-2.73	8.09E-02	M-1
ENSMMUG00000004254	FBXO36	F-box Protein 36	2.85	4.06	0.93	0.77	-0.12	9.28E-01	-1.92	2.49E-02	-0.61	7.51E-01	M-1
ENSMMUG00000011775	ARMC9	Armadillo Repeat Containing 9	3.06	4.64	0.49	0.25	0.83	5.48E-01	-4.30	5.69E-05	0.17	9.67E-01	M-1
ENSMMUG000000022831	COPS7B	COP9 Signalosome Subunit 7B	64.74	62.57	15.07	7.56	-0.22	8.72E-01	-3.92	4.02E-06	-0.54	8.05E-01	M-1
ENSMMUG000000021219	MROH2A	Maestro Heat Like Repeat Family Member 2A	1.00	0.97	0.19	0.12	0.27	8.86E-01	-3.50	4.30E-03	-0.23	9.61E-01	M-1
ENSMMUG000000021221	HJURP	Holliday Junction Recognition Protein	176.54	183.66	27.19	15.10	0.02	9.86E-01	-2.94	1.17E-07	-0.88	3.71E-01	M-1
ENSMMUG000000043646			12.04	9.55	0.87	0.38	-2.10	2.08E-01	-3.48	3.51E-02	-1.16	7.45E-01	M-1
ENSMMUG00000017404	IQCA1	IQ Motif Containing With AAA Domain 1	3.92	1.95	0.32	0.17	-1.39	4.03E-01	-4.46	2.31E-03	-1.07	7.54E-01	M-1
ENSMMUG00000014049	COL6A3	Collagen Type VI Alpha 3 Chain	4.66	2.31	0.10	0.02	-0.87	5.74E-01	-6.35	1.17E-07	-0.65	8.48E-01	M-1
ENSMMUG00000016209	PPP1R7	Protein Phosphatase 1 Regulatory Subunit 7	8.44	13.17	4.62	3.86	0.80	4.24E-01	-1.92	2.36E-02	-0.50	8.05E-01	M-1
ENSMMUG00000004730	HDLBP	High Density Lipoprotein Binding Protein	46.56	91.09	36.39	37.95	1.03	1.03E-01	-1.29	3.19E-02	-0.17	9.20E-01	M-1
ENSMMUG00000021368			1.13	1.26	0.08	0.25	0.51	8.04E-01	-6.66	2.80E-05	3.34	1.51E-01	M-1
ENSMMUG00000019607	PNPLA7	Patatin Like Phospholipase Domain Containing 7	3.39	1.87	0.07	0.02	-0.70	7.71E-01	-4.61	9.08E-03	-1.49	7.14E-01	M-1
ENSMMUG000000005056	ENTPD2	Ectonucleoside Triphosphate Diphosphohydrolase 2	2.35	1.84	0.33	0.22	-1.60	4.25E-01	-3.97	2.72E-02	-2.11	5.04E-01	M-1
ENSMMUG00000003086	SNAPC4	Small Nuclear RNA Activating Complex Polypeptide 4	3.72	5.04	1.58	1.18	0.47	7.09E-01	-2.04	3.31E-02	0.34	9.00E-01	M-1
ENSMMUG000000021496	KCNT1	Potassium Sodium-activated Channel Subfamily T Member 1	5.65	17.36	0.32	0.05	1.24	4.27E-01	-6.59	1.09E-07	-2.36	2.61E-01	M-1
ENSMMUG00000017210	SARDH	Sarcosine Dehydrogenase	2.20	2.69	0.89	0.03	-0.17	9.33E-01	-6.78	1.71E-07	0.72	8.35E-01	M-1
ENSMMUG00000017207	DBH	Dopamine Beta-hydroxylase	82.98	105.88	3.85	0.49	-0.23	8.71E-01	-5.34	2.15E-09	-2.14	1.13E-01	M-1

ENSMMUG00000015100	ABO	ABO, Alpha 1-3-N-acetylgalactosaminyltransferase And Alpha 1-3-galactosyltransferase	9.33	11.88	13.48	0.10	-0.56	8.12E-01	-3.79	2.94E-02	-1.98	5.61E-01	M-1
ENSMMUG00000004588	CFAP77	Cilia And Flagella Associated Protein 77	15.14	27.66	0.81	0.05	-0.23	9.23E-01	-7.98	3.91E-07	-0.84	8.53E-01	M-1
ENSMMUG00000009973	PRRC2B	Proline Rich Coiled-coil 2B	32.39	30.86	12.98	15.01	0.32	7.51E-01	-1.62	2.83E-02	0.17	9.46E-01	M-1
ENSMMUG00000021724	NUP214	Nucleoporin 214	57.54	63.73	31.60	21.05	0.25	5.87E-01	-1.32	1.56E-04	-0.58	3.14E-01	M-1
ENSMMUG00000012499	ABL1	ABL Proto-oncogene 1, Non-receptor Tyrosine Kinase	26.06	36.96	9.60	5.55	0.72	4.59E-01	-2.84	2.37E-04	0.09	9.75E-01	M-1
ENSMMUG00000003795	C15H9orf78	Chromosome 15 Open Reading Frame, Human C9orf78	148.83	263.20	73.22	29.69	0.91	1.86E-01	-2.77	2.39E-06	-0.15	9.45E-01	M-1
ENSMMUG00000017799	LRRC8A	Leucine Rich Repeat Containing 8 VRAC Subunit A	32.00	35.81	7.31	3.48	-0.07	9.49E-01	-2.05	3.85E-03	-0.81	5.49E-01	M-1
ENSMMUG00000005987	ODF2	Outer Dense Fiber Of Sperm Tails 2	10.03	16.77	4.63	5.05	1.32	9.62E-02	-2.82	5.93E-05	0.44	8.05E-01	M-1
ENSMMUG00000047346	AK1	Adenylate Kinase 1	0.96	3.53	0.36	0.13	1.39	4.75E-01	-3.97	1.34E-02	-0.13	9.82E-01	M-1
ENSMMUG00000002248			69.81	60.56	6.78	0.35	-0.76	5.28E-01	-5.23	1.03E-08	-2.23	1.03E-01	M-1
ENSMMUG00000016421	STXBP1	Syntaxin Binding Protein 1	50.18	27.48	6.98	1.49	-1.08	2.35E-01	-3.62	1.91E-06	-0.33	8.82E-01	M-1
ENSMMUG00000013763	PBX3	PBX Homeobox 3	6.45	5.66	3.92	0.68	-0.59	6.30E-01	-1.94	4.71E-02	-0.79	6.96E-01	M-1
ENSMMUG00000020549	PPP6C	Protein Phosphatase 6 Catalytic Subunit	21.77	23.68	9.19	6.03	0.39	6.92E-01	-2.11	3.95E-03	-0.05	9.86E-01	M-1
ENSMMUG00000020633	SCAI	Suppressor Of Cancer Cell Invasion	20.20	22.88	1.92	1.79	-0.15	9.35E-01	-3.98	2.83E-04	0.82	7.51E-01	M-1
ENSMMUG00000000670	RABGAP1	RAB GTPase Activating Protein 1	55.78	34.65	11.19	10.23	-0.62	1.95E-01	-2.05	4.33E-07	0.18	8.74E-01	M-1
ENSMMUG00000014477			9.13	2.49	0.28	0.12	-1.90	1.33E-01	-4.66	5.85E-05	0.21	9.64E-01	M-1
ENSMMUG00000004639	DAB2IP	DAB2 Interacting Protein	25.40	11.58	1.54	1.43	-1.02	2.16E-01	-3.78	3.74E-08	0.07	9.78E-01	M-1
ENSMMUG00000010623	PHF19	PHD Finger Protein 19	1.07	0.16	0.05	0.13	-3.17	7.78E-02	-4.64	1.29E-02	2.81	3.22E-01	M-1
ENSMMUG00000008018	AKNA	AT-hook Transcription Factor	3.39	3.01	0.80	1.00	0.21	9.05E-01	-2.76	1.38E-02	0.31	9.31E-01	M-1
ENSMMUG00000000172	SLC31A2	Solute Carrier Family 31 Member 2	12.85	3.23	1.20	1.23	-1.55	2.53E-01	-3.42	4.23E-03	2.05	2.69E-01	M-1
ENSMMUG00000006906	LPAR1	Lysophosphatidic Acid Receptor 1	6.40	3.71	1.10	0.58	-1.60	1.12E-01	-2.65	4.26E-03	0.95	6.06E-01	M-1
ENSMMUG00000001250	PTPN3	Protein Tyrosine Phosphatase, Non-receptor Type 3	7.75	7.06	1.92	8.46	-0.36	7.93E-01	-2.12	3.33E-02	2.01	1.49E-01	M-1
ENSMMUG00000038835			14.63	13.78	0.37	0.13	-1.04	6.60E-01	-5.93	2.88E-03	-0.22	9.76E-01	M-1
ENSMMUG00000002665	FSD1L	Fibronectin Type III And SPRY Domain Containing 1 Like	2.97	0.56	0.13	0.19	-2.13	2.90E-01	-4.38	1.94E-02	2.74	3.50E-01	M-1
ENSMMUG00000016670	RNF20	Ring Finger Protein 20	72.71	61.27	26.89	11.03	-0.32	6.53E-01	-1.37	1.15E-02	-1.03	2.01E-01	M-1
ENSMMUG00000011414	STX17	Syntaxin 17	13.87	11.32	5.45	3.15	-0.28	7.90E-01	-2.63	2.73E-04	0.66	6.71E-01	M-1
ENSMMUG00000009832	GABBR2	Gamma-aminobutyric Acid Type B Receptor Subunit 2	7.69	6.27	0.72	1.63	-0.61	6.49E-01	-4.16	3.05E-05	2.40	9.35E-02	M-1
ENSMMUG00000001773	TRIM14	Tripartite Motif Containing 14	5.73	1.85	1.61	0.04	-2.41	1.41E-01	-4.87	2.92E-03	0.11	9.86E-01	M-1
ENSMMUG00000013634	HEMGN	Hemogen	0.81	0.22	0.52	0.01	-2.49	4.17E-01	-6.56	1.51E-02	-0.98	8.96E-01	M-1
ENSMMUG00000012282	XPA	XPA, DNA Damage Recognition And Repair Factor	16.97	27.09	7.36	3.81	-0.42	7.80E-01	-2.55	1.84E-02	0.91	6.92E-01	M-1
ENSMMUG00000012275	TDRD7	Tudor Domain Containing 7	14.18	6.17	2.27	1.19	-1.50	1.40E-01	-2.17	2.14E-02	0.58	7.98E-01	M-1
ENSMMUG00000012266	CCDC180	Coiled-coil Domain Containing 180	3.63	4.62	0.22	0.04	-1.37	2.57E-01	-3.20	3.50E-03	-2.77	8.88E-02	M-1
ENSMMUG00000004629	NOL8	Nucleolar Protein 8	132.13	160.49	68.10	38.36	0.08	9.12E-01	-0.95	4.18E-02	-0.44	6.22E-01	M-1
ENSMMUG00000004630	CENPP	Centromere Protein P	42.15	29.08	6.26	8.56	-0.48	6.04E-01	-1.88	8.49E-03	0.46	7.91E-01	M-1
ENSMMUG00000027104	MIRLET7F-1	MicroRNA Let-7f-1	0.27	0.51	0.81	2.06	6.82	3.66E-01	-17.13	7.08E-03	12.63	1.77E-01	M-1
ENSMMUG00000003782	MELK	Maternal Embryonic Leucine Zipper Kinase	21.78	12.92	11.49	12.37	-0.56	5.95E-01	-1.83	2.92E-02	1.67	1.64E-01	M-1
ENSMMUG00000016605	RNF38	Ring Finger Protein 38	570.66	807.06	168.02	53.41	0.22	8.42E-01	-2.48	6.11E-04	-1.17	3.31E-01	M-1

ENSMMUG00000043693			0.40	3.96	0.33	0.39	1.73	5.38E-01	-5.16	3.49E-02	1.44	8.06E-01	M-1
ENSMMUG00000018726	KIF24	Kinesin Family Member 24	10.07	6.26	1.52	3.05	-0.53	6.16E-01	-2.76	5.43E-04	1.00	5.05E-01	M-1
ENSMMUG00000017458	DCAF12	DDB1 And CUL4 Associated Factor 12	16.14	12.93	2.67	2.83	-0.44	6.78E-01	-1.89	1.76E-02	0.93	5.18E-01	M-1
ENSMMUG00000002686	TOPORS	TOP1 Binding Arginine/serine Rich Protein	51.41	40.27	23.22	10.66	-0.26	7.04E-01	-1.15	2.46E-02	-0.99	1.77E-01	M-1
ENSMMUG00000012442	DDX58	DExD/H-box Helicase 58	43.56	16.78	2.39	0.59	-1.71	6.14E-02	-3.31	7.20E-05	-1.20	4.31E-01	M-1
ENSMMUG00000017199	LINGO2	Leucine Rich Repeat And Ig Domain Containing 2	36.15	49.07	3.66	0.33	-0.34	8.24E-01	-5.72	1.08E-08	-1.47	4.27E-01	M-1
ENSMMUG000000047810			194.49	69.59	7.09	0.69	-2.07	1.36E-01	-7.22	1.03E-08	0.70	8.32E-01	M-1
ENSMMUG00000006080	TEK	TEK Receptor Tyrosine Kinase	13.10	8.56	1.46	0.89	-1.05	4.75E-01	-5.47	2.05E-06	2.23	2.21E-01	M-1
ENSMMUG00000010038	ELAVL2	ELAV Like RNA Binding Protein 2	26.80	10.11	2.99	0.62	-1.58	1.08E-01	-3.50	5.60E-05	-0.60	7.78E-01	M-1
ENSMMUG00000001132	CDKN2B	Cyclin Dependent Kinase Inhibitor 2B	19.52	17.72	1.57	0.59	-0.60	7.40E-01	-4.37	6.78E-04	0.26	9.57E-01	M-1
ENSMMUG00000008325	MLLT3	MLLT3, Super Elongation Complex Subunit	4.73	2.59	1.09	0.14	-1.09	2.83E-01	-2.64	2.76E-03	-1.72	2.05E-01	M-1
ENSMMUG000000044658	ADAMTSL1	ADAMTS Like 1	6.15	4.01	0.27	0.07	-1.22	3.90E-01	-5.32	4.56E-06	-0.08	9.86E-01	M-1
ENSMMUG000000023448	CNTLN	Centlein	17.97	21.99	6.22	2.03	-0.12	9.05E-01	-2.06	7.87E-04	-1.29	1.62E-01	M-1
ENSMMUG000000045892			5.61	57.95	1.67	0.07	-0.17	9.63E-01	-11.52	2.21E-06	1.39	8.29E-01	M-1
ENSMMUG000000049258			10.15	3.79	0.19	0.11	-2.26	3.05E-01	-4.26	4.58E-02	0.12	9.88E-01	M-1
ENSMMUG00000006197	PLGRKT	Plasminogen Receptor With A C-terminal Lysine	11.63	8.23	1.85	6.34	0.03	9.91E-01	-4.17	5.12E-03	3.81	5.42E-02	M-1
ENSMMUG00000015279	SMARCA2	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 2	62.57	53.44	8.01	3.07	-0.60	5.76E-01	-4.34	3.63E-08	0.80	6.41E-01	M-1
ENSMMUG00000014844	DMRT2	Doublesex And Mab-3 Related Transcription Factor 2	13.62	5.94	0.48	0.04	-2.50	5.56E-02	-4.40	4.34E-04	-3.29	7.62E-02	M-1
ENSMMUG000000044083	DMRT1	Doublesex And Mab-3 Related Transcription Factor 1	0.72	1.42	0.74	0.11	0.96	5.48E-01	-3.19	1.50E-02	-0.23	9.64E-01	M-1
ENSMMUG00000019862	KANK1	KN Motif And Ankyrin Repeat Domains 1	14.96	10.40	3.73	7.42	-1.25	3.65E-01	-2.50	3.74E-02	2.06	2.49E-01	M-1
ENSMMUG00000005401	FAM189A2	Family With Sequence Similarity 189 Member A2	14.56	11.07	0.39	0.08	-0.34	8.58E-01	-4.71	1.67E-04	-2.79	1.55E-01	M-1
ENSMMUG00000008343	MAMDC2	MAM Domain Containing 2	4.98	2.86	0.58	0.41	-1.86	2.30E-01	-6.52	6.48E-06	1.18	7.02E-01	M-1
ENSMMUG00000019196	GDA	Guanine Deaminase	22.57	10.96	3.92	0.13	-1.55	1.74E-01	-3.14	2.05E-03	-2.53	7.76E-02	M-1
ENSMMUG00000012166			13.47	9.98	3.71	1.80	-0.48	7.16E-01	-2.11	3.60E-02	0.34	9.03E-01	M-1
ENSMMUG00000022023	PCSK5	Proprotein Convertase Subtilisin/kexin Type 5	2.49	0.87	0.53	1.85	-1.82	9.11E-02	-2.49	1.47E-02	2.10	1.45E-01	M-1
ENSMMUG00000023365	LOC706619	Transducin-like Enhancer Protein 4	21.71	23.42	10.84	7.52	-0.08	9.04E-01	-0.99	3.13E-02	-0.43	6.40E-01	M-1
ENSMMUG00000037955			2.78	1.35	0.16	0.01	-0.33	9.28E-01	-5.37	3.32E-02	-2.19	6.74E-01	M-1
ENSMMUG00000001900	GOLM1	Golgi Membrane Protein 1	57.88	25.67	5.88	3.50	-1.02	1.28E-01	-2.03	6.71E-04	-0.74	5.11E-01	M-1
ENSMMUG00000008629	SEMA4D	Semaphorin 4D	3.37	5.72	0.24	0.57	-0.12	9.45E-01	-5.89	1.95E-08	2.70	7.48E-02	M-1
ENSMMUG00000007223	DIRAS2	DIRAS Family GTPase 2	233.89	201.61	20.59	2.04	-0.95	3.95E-01	-4.15	3.19E-06	-1.89	1.69E-01	M-1
ENSMMUG000000040422			304.82	135.11	32.92	1.36	-1.78	1.19E-01	-3.84	1.97E-04	-2.00	2.33E-01	M-1
ENSMMUG00000009662	TPO	Thyroid Peroxidase	2.58	2.02	0.17	0.08	-0.39	8.56E-01	-4.41	2.09E-03	-0.33	9.49E-01	M-1
ENSMMUG00000021037	MBOAT2	Membrane Bound O-acyltransferase Domain Containing 2	8.96	6.15	1.00	0.71	-0.47	6.70E-01	-3.98	7.37E-07	0.25	9.22E-01	M-1
ENSMMUG00000002054	KLF11	Kruppel Like Factor 11	22.08	20.61	10.39	2.84	-0.07	9.56E-01	-1.85	2.05E-02	-0.53	7.72E-01	M-1
ENSMMUG00000010320	ATP6V1C2	ATPase H+ Transporting V1 Subunit C2	4.59	2.88	0.65	1.43	-1.00	4.98E-01	-2.99	1.38E-02	2.59	1.29E-01	M-1
ENSMMUG00000020249	GREB1	Growth Regulation By Estrogen In Breast Cancer 1	8.33	1.53	0.55	0.30	-1.83	1.82E-01	-4.16	6.83E-04	2.07	2.94E-01	M-1
ENSMMUG00000001575	WDR35	WD Repeat Domain 35	1.59	1.77	0.30	0.54	-0.30	8.88E-01	-3.99	3.06E-03	3.29	7.32E-02	M-1
ENSMMUG00000001582	LAPTM4A	Lysosomal Protein Transmembrane 4 Alpha	234.85	204.89	104.30	73.81	-0.04	9.55E-01	-1.62	5.79E-04	0.50	5.97E-01	M-1
ENSMMUG000000040512			10.49	3.26	3.59	0.03	-2.42	1.53E-01	-4.31	1.04E-02	-3.18	1.98E-01	M-1

ENSMMUG00000009407	FAM228A	Family With Sequence Similarity 228 Member A	7.60	3.95	1.14	0.59	-0.84	6.11E-01	-3.21	1.39E-02	0.79	8.07E-01	M-1
ENSMMUG00000009599	CENPO	Centromere Protein O	29.37	24.11	7.50	6.35	-0.29	8.02E-01	-1.94	1.54E-02	1.22	3.45E-01	M-1
ENSMMUG00000009600	ADCY3	Adenylate Cyclase 3	36.24	28.01	0.81	1.39	-0.56	6.22E-01	-4.75	1.11E-08	0.19	9.52E-01	M-1
ENSMMUG00000001377	ASXL2	Additional Sex Combs Like 2, Transcriptional Regulator	27.92	36.37	12.84	19.44	0.10	9.07E-01	-1.35	1.18E-02	0.36	7.76E-01	M-1
ENSMMUG000000038777			2.89	0.60	0.31	0.22	0.57	8.68E-01	-7.33	2.22E-03	2.03	6.88E-01	M-1
ENSMMUG00000004378	GAREM2	GRB2 Associated Regulator Of MAPK1 Subtype 2	8.12	5.53	0.76	0.06	-0.10	9.61E-01	-4.33	6.98E-04	-3.03	1.37E-01	M-1
ENSMMUG00000010505	GTF3C2	General Transcription Factor IIIC Subunit 2	27.71	38.56	17.90	11.01	0.60	2.03E-01	-1.44	4.40E-04	-0.74	2.53E-01	M-1
ENSMMUG00000005091	NRBP1	Nuclear Receptor Binding Protein 1	39.85	66.91	31.59	26.95	0.45	6.56E-01	-2.03	7.58E-03	0.57	7.39E-01	M-1
ENSMMUG00000019742	ZNF512	Zinc Finger Protein 512	14.29	18.98	4.45	4.32	0.21	8.53E-01	-2.59	3.39E-04	-0.06	9.82E-01	M-1
ENSMMUG00000019744	CCDC121	Coiled-coil Domain Containing 121	75.45	72.22	9.07	1.24	-0.64	5.62E-01	-3.23	1.38E-04	-2.14	7.41E-02	M-1
ENSMMUG00000010265			1.56	1.90	0.03	0.03	0.81	7.08E-01	-8.15	6.95E-07	2.11	5.11E-01	M-1
ENSMMUG00000006615	YPEL5	Yippee Like 5	82.89	83.12	15.26	7.27	-0.17	8.66E-01	-3.27	2.75E-07	0.30	8.67E-01	M-1
ENSMMUG00000003473	CAPN13	Calpain 13	4.14	2.39	0.03	0.04	-0.90	6.45E-01	-6.76	2.98E-05	0.65	9.00E-01	M-1
ENSMMUG000000030881	CAPN14	Calpain 14	2.86	0.70	0.03	0.22	-2.45	1.97E-01	-6.53	3.47E-04	2.27	4.86E-01	M-1
ENSMMUG00000003476	EHD3	EH Domain Containing 3	7.04	8.55	0.16	0.54	0.00	9.99E-01	-4.89	2.13E-06	0.62	8.12E-01	M-1
ENSMMUG00000013963	FEZ2	Fasciculation And Elongation Protein Zeta 2	33.21	41.40	15.02	11.65	-0.18	8.97E-01	-1.93	3.54E-02	1.17	4.54E-01	M-1
ENSMMUG00000001278	VIT	Vitrin	5.70	2.75	0.21	0.05	-1.91	2.66E-01	-5.96	6.86E-05	-0.15	9.80E-01	M-1
ENSMMUG000000037522	EIF2AK2	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 2	5.44	6.55	0.21	0.80	0.94	5.84E-01	-5.71	1.54E-05	1.50	5.67E-01	M-1
ENSMMUG00000015508	SLC8A1	Solute Carrier Family 8 Member A1	22.13	18.79	7.46	0.25	-1.01	3.64E-01	-3.75	3.27E-05	-2.14	1.03E-01	M-1
ENSMMUG000000020744	MTA3	Metastasis Associated 1 Family Member 3	44.84	24.60	11.06	8.47	-0.93	2.19E-01	-2.13	1.23E-03	0.06	9.81E-01	M-1
ENSMMUG000000023326	EPAS1	Endothelial PAS Domain Protein 1	25.99	46.66	3.22	1.38	-0.12	9.28E-01	-4.76	3.84E-09	-0.68	7.21E-01	M-1
ENSMMUG00000013898	STPG4	Sperm-tail PG-rich Repeat Containing 4	2.49	4.65	0.34	0.22	1.29	4.49E-01	-4.01	4.40E-03	-0.71	8.50E-01	M-1
ENSMMUG000000038179	NRXN1	Neurexin 1	1.09	0.44	0.01	0.03	-1.73	3.37E-01	-6.66	5.10E-05	0.81	8.53E-01	M-1
ENSMMUG000000021296	EML6	Echinoderm Microtubule Associated Protein Like 6	5.64	6.67	0.53	0.31	-0.26	8.53E-01	-3.45	1.60E-04	-0.84	6.79E-01	M-1
ENSMMUG000000003003	CCDC88A	Coiled-coil Domain Containing 88A	34.36	33.82	6.88	3.33	-0.31	7.38E-01	-1.88	5.13E-03	-1.14	2.80E-01	M-1
ENSMMUG000000007000	CFAP36	Cilia And Flagella Associated Protein 36	25.46	45.07	6.02	11.65	0.19	9.17E-01	-2.70	2.05E-02	1.59	4.22E-01	M-1
ENSMMUG00000011303	BCL11A	B-cell CLL/lymphoma 11A	0.96	0.99	0.09	0.01	-0.32	9.24E-01	-5.39	1.34E-02	-0.25	9.75E-01	M-1
ENSMMUG000000041555	C13H2orf74	Chromosome 13 Open Reading Frame, Human C2orf74	49.39	24.10	0.44	0.08	-1.26	2.30E-01	-6.54	1.97E-12	-2.38	1.19E-01	M-1
ENSMMUG000000008098	USP34	Ubiquitin Specific Peptidase 34	92.05	78.94	27.35	14.81	-0.25	7.78E-01	-1.85	2.83E-03	-0.43	7.71E-01	M-1
ENSMMUG000000011216	MEIS1	Meis Homeobox 1	0.87	1.35	0.46	0.22	0.50	7.36E-01	-2.26	4.31E-02	-1.02	6.47E-01	M-1
ENSMMUG000000046992	CNRIP1	Cannabinoid Receptor Interacting Protein 1	142.31	150.84	15.50	0.77	-0.51	7.25E-01	-4.23	3.11E-05	-2.61	7.62E-02	M-1
ENSMMUG00000014244	ANTXR1	Anthrax Toxin Receptor 1	8.02	3.62	0.06	0.08	-1.06	5.99E-01	-6.05	1.73E-04	0.08	9.90E-01	M-1
ENSMMUG000000041817	MXD1	MAX Dimerization Protein 1	23.48	5.68	1.63	0.30	-1.98	1.09E-01	-4.45	1.14E-04	0.49	8.87E-01	M-1
ENSMMUG000000038295	PCBP1	Poly(rC) Binding Protein 1	332.27	417.93	136.07	129.06	0.57	5.17E-01	-1.92	6.17E-03	0.06	9.83E-01	M-1
ENSMMUG00000010592	ADD2	Adducin 2	9.52	15.25	0.55	0.60	0.34	8.58E-01	-4.34	4.88E-04	-1.10	6.87E-01	M-1
ENSMMUG000000020852	FIGLA	Folliculogenesis Specific BHLH Transcription Factor	29.09	4.83	0.34	0.16	-2.69	5.65E-02	-4.92	4.71E-04	-0.72	8.59E-01	M-1
ENSMMUG00000002300	SFXN5	Sideroflexin 5	0.96	1.61	0.08	0.27	0.62	7.70E-01	-5.24	4.35E-04	0.70	8.63E-01	M-1
ENSMMUG000000002301	RAB11FIP5	RAB11 Family Interacting Protein 5	1.24	1.19	0.25	1.65	0.51	7.49E-01	-2.38	4.54E-02	2.65	9.28E-02	M-1
ENSMMUG000000002819	ALMS1	ALMS1, Centrosome And Basal Body Associated Protein	26.75	29.95	11.52	9.38	-0.02	9.75E-01	-1.45	1.16E-03	-0.22	8.50E-01	M-1

ENSMMUG00000020551	TET3	Tet Methylcytosine Dioxygenase 3	32.80	25.45	4.82	5.59	-0.22	8.50E-01	-2.69	2.60E-04	0.05	9.86E-01	M-1
ENSMMUG0000002127	PCGF1	Polycomb Group Ring Finger 1	11.57	13.74	3.16	2.53	0.07	9.62E-01	-2.73	3.64E-03	0.38	8.87E-01	M-1
ENSMMUG0000002138	LOXL3	Lysyl Oxidase Like 3	0.98	1.18	0.20	0.09	0.72	7.41E-01	-4.77	3.92E-03	0.13	9.84E-01	M-1
ENSMMUG0000000181	LRRTM4	Leucine Rich Repeat Transmembrane Neuronal 4	42.99	73.88	3.03	1.54	-0.52	6.85E-01	-5.45	1.07E-09	-1.29	4.40E-01	M-1
ENSMMUG0000000293	CTNNA2	Catenin Alpha 2	3.27	2.01	0.20	0.13	-1.87	1.23E-01	-3.22	4.10E-03	-1.10	6.30E-01	M-1
ENSMMUG00000019559	ST3GAL5	ST3 Beta-galactoside Alpha-2,3-sialyltransferase 5	9.36	4.78	0.82	1.11	-0.84	6.42E-01	-4.86	4.85E-04	3.44	8.44E-02	M-1
ENSMMUG0000003528			8.66	1.81	1.41	0.86	-1.62	6.72E-02	-2.33	7.58E-03	0.98	5.67E-01	M-1
ENSMMUG00000023269	LOC709065	Condensin Complex Subunit 2	225.20	173.64	36.67	23.53	-0.69	4.14E-01	-1.88	6.96E-03	-0.25	9.01E-01	M-1
ENSMMUG00000011477	KANSL3	KAT8 Regulatory NSL Complex Subunit 3	3.72	10.69	3.87	3.97	1.25	1.32E-01	-1.80	1.99E-02	0.14	9.62E-01	M-1
ENSMMUG00000007591	ANKRD23	Ankyrin Repeat Domain 23	0.22	1.63	0.63	0.29	3.38	6.36E-02	-3.52	4.98E-02	2.00	5.33E-01	M-1
ENSMMUG00000021187	CNGA3	Cyclic Nucleotide Gated Channel Alpha 3	5.13	2.86	0.99	0.20	-0.97	4.93E-01	-6.05	1.19E-07	2.09	2.65E-01	M-1
ENSMMUG00000022909	MGAT4A	Mannosyl (alpha-1,3-)-glycoprotein Beta-1,4-N-acetylglucosaminyltransferase, Isozyme A	216.42	106.53	24.98	1.77	-1.32	1.78E-01	-2.98	5.02E-04	-2.09	8.44E-02	M-1
ENSMMUG00000022836	AFF3	AF4/FMR2 Family Member 3	63.33	73.32	3.56	0.39	-0.83	4.98E-01	-5.46	4.71E-09	-2.00	1.73E-01	M-1
ENSMMUG00000017455	LONRF2	LON Peptidase N-terminal Domain And Ring Finger 2	3.47	1.04	0.85	0.02	-1.60	4.09E-01	-3.57	3.70E-02	-3.68	1.28E-01	M-1
ENSMMUG00000001147	CNOT11	CCR4-NOT Transcription Complex Subunit 11	121.37	91.60	26.93	17.22	-0.59	5.47E-01	-2.03	8.79E-03	-0.55	7.57E-01	M-1
ENSMMUG00000016533	IL1RL2	Interleukin 1 Receptor Like 2	4.54	2.37	0.11	0.03	-1.40	4.42E-01	-4.08	8.94E-03	-2.60	3.50E-01	M-1
ENSMMUG00000022844	GCC2	GRIP And Coiled-coil Domain Containing 2	151.74	75.29	22.36	9.41	-1.14	8.93E-02	-2.64	8.23E-06	-0.13	9.55E-01	M-1
ENSMMUG00000019574	EDAR	Ectodysplasin A Receptor	6.14	2.20	0.13	0.32	-1.23	3.68E-01	-4.31	2.64E-04	0.66	8.28E-01	M-1
ENSMMUG00000017177	SEPT10	Septin 10	13.99	19.06	6.24	5.76	0.19	8.95E-01	-1.88	4.41E-02	0.27	9.18E-01	M-1
ENSMMUG00000030812	ZMYM2	Zinc Finger MYM-type Containing 2	60.25	48.06	23.07	21.58	-0.40	4.39E-01	-1.17	6.45E-03	-0.01	9.97E-01	M-1
ENSMMUG00000004237	TNFRSF19	TNF Receptor Superfamily Member 19	8.86	6.22	0.89	0.18	-0.85	5.58E-01	-5.07	4.84E-06	0.59	8.45E-01	M-1
ENSMMUG00000014610	RNF17	Ring Finger Protein 17	27.47	35.28	6.67	3.10	0.45	5.59E-01	-2.74	2.10E-06	-1.06	2.62E-01	M-1
ENSMMUG00000014611	CENPJ	Centromere Protein J	44.26	61.48	25.49	16.56	0.28	6.86E-01	-1.29	1.21E-02	-0.09	9.64E-01	M-1
ENSMMUG00000018420	NUP58	Nucleoporin 58	52.76	86.97	48.24	24.23	0.67	2.00E-01	-1.32	4.21E-03	-0.61	4.49E-01	M-1
ENSMMUG00000016139	FLT3	Fms Related Tyrosine Kinase 3	0.53	1.35	0.37	0.32	1.33	3.77E-01	-3.07	1.81E-02	0.53	8.81E-01	M-1
ENSMMUG00000008658	LOC721776	Microtubule-associated Tumor Suppressor Candidate 2	19.21	7.77	1.26	2.87	-0.87	3.16E-01	-3.50	7.82E-07	1.23	2.97E-01	M-1
ENSMMUG00000004922	KATNAL1	Katanin Catalytic Subunit A1 Like 1	24.89	39.10	3.89	1.65	0.08	9.58E-01	-2.97	1.82E-03	-1.67	2.66E-01	M-1
ENSMMUG00000007597	USPL1	Ubiquitin Specific Peptidase Like 1	36.10	22.86	14.16	5.98	-0.78	1.64E-01	-1.18	2.21E-02	-0.92	2.28E-01	M-1
ENSMMUG00000019461	TEX26	Testis Expressed 26	29.17	14.36	1.63	0.07	-2.47	7.18E-02	-4.46	6.04E-04	-1.52	5.90E-01	M-1
ENSMMUG00000013713	B3GLCT	Beta 3-glucosyltransferase	11.23	13.72	2.63	1.64	0.03	9.87E-01	-2.55	3.32E-02	0.25	9.52E-01	M-1
ENSMMUG00000019831	NBEA	Neurobeachin	2.01	2.24	0.40	0.11	0.17	8.96E-01	-3.64	6.30E-06	-1.19	4.16E-01	M-1
ENSMMUG00000016791	DCLK1	Doublecortin Like Kinase 1	5.32	5.24	1.95	0.62	-1.00	5.64E-01	-2.94	4.04E-02	0.74	8.32E-01	M-1
ENSMMUG00000045732	SERTM1	Serine Rich And Transmembrane Domain Containing 1	0.78	0.26	0.25	0.16	-1.48	5.70E-01	-5.36	1.59E-02	2.06	6.35E-01	M-1
ENSMMUG00000003590	SUPT20H	SPT20 Homolog, SAGA Complex Component	41.98	51.44	23.76	18.14	0.15	8.79E-01	-1.88	2.39E-03	0.91	3.87E-01	M-1
ENSMMUG00000002109	PROSER1	Proline And Serine Rich 1	760.77	571.35	86.49	30.26	-0.56	5.54E-01	-3.81	8.71E-08	-0.18	9.46E-01	M-1
ENSMMUG00000004485	LHFPL6	LHFPL Tetraspan Subfamily Member 6	12.45	1.32	0.35	0.14	-3.47	6.55E-02	-4.37	3.23E-02	1.73	6.94E-01	M-1
ENSMMUG00000007884	KBTBD6	Kelch Repeat And BTB (POZ) Domain Containing 6	4.18	6.75	1.63	1.37	0.63	5.85E-01	-2.02	3.08E-02	-0.37	8.87E-01	M-1

ENSMMUG00000046229			7.67	7.22	3.02	1.90	-0.32	7.02E-01	-1.60	1.26E-02	-0.68	5.83E-01	M-1
ENSMMUG00000023083	AKAP11	A-kinase Anchoring Protein 11	62.16	46.62	14.15	7.21	-0.72	3.76E-01	-2.17	1.14E-03	-0.31	8.63E-01	M-1
ENSMMUG00000014926	EPST1	Epithelial Stromal Interaction 1	100.19	57.19	14.89	7.51	-1.49	1.54E-01	-3.40	1.97E-04	1.34	4.09E-01	M-1
ENSMMUG00000002330			23.42	9.62	2.21	0.18	-1.92	1.36E-01	-4.29	1.84E-04	-1.12	6.53E-01	M-1
ENSMMUG00000003753	TSC22D1	TSC22 Domain Family Member 1	42.72	29.96	8.21	4.35	-0.36	7.06E-01	-2.11	2.77E-03	-1.32	2.20E-01	M-1
ENSMMUG00000016609	NUFIP1	NUFIP1, FMR1 Interacting Protein 1	39.19	63.44	32.47	12.18	0.34	6.32E-01	-1.17	3.62E-02	-0.38	7.64E-01	M-1
ENSMMUG00000015667			2.81	6.82	3.67	2.33	1.06	2.64E-01	-1.98	1.84E-02	1.61	1.91E-01	M-1
ENSMMUG000000041756	SIAH3	Siah E3 Ubiquitin Protein Ligase Family Member 3	8.90	13.33	0.77	0.03	-0.88	5.64E-01	-4.15	4.48E-04	-3.23	5.15E-02	M-1
ENSMMUG00000016293	LRCH1	Leucine Rich Repeats And Calponin Homology Domain Containing 1	77.70	51.38	11.17	2.35	-0.49	6.85E-01	-4.35	2.99E-07	-0.55	8.04E-01	M-1
ENSMMUG00000016530	NEK3	NIMA Related Kinase 3	3.43	4.23	0.55	2.04	-0.71	4.90E-01	-2.77	7.13E-04	1.40	2.85E-01	M-1
ENSMMUG00000016401	SUGT1	SGT1 Homolog, MIS12 Kinetochore Complex Assembly Cochaperone	106.18	64.29	30.78	14.81	-0.75	3.00E-01	-1.29	4.73E-02	-0.72	5.38E-01	M-1
ENSMMUG00000000784	BORA	Bora, Aurora Kinase A Activator	10.08	18.03	7.01	8.40	0.94	2.69E-01	-1.56	4.38E-02	0.00	1.00E+00	M-1
ENSMMUG00000001312	LMO7	LIM Domain 7	11.81	5.29	0.90	0.56	-1.36	1.76E-01	-2.77	1.85E-03	-1.28	4.10E-01	M-1
ENSMMUG00000000048	SECEL	Sciellin	2.51	1.91	0.52	2.24	-2.34	1.12E-01	-3.29	2.27E-02	1.56	5.43E-01	M-1
ENSMMUG00000000049	SLAIN1	SLAIN Motif Family Member 1	6.06	3.99	4.63	0.61	-0.74	5.76E-01	-2.57	1.53E-02	-1.23	5.29E-01	M-1
ENSMMUG000000005131	EDNRB	Endothelin Receptor Type B	2.14	4.02	0.48	0.44	0.16	9.45E-01	-5.81	6.80E-05	0.45	9.23E-01	M-1
ENSMMUG000000037772			2.76	2.13	0.18	0.03	-1.02	6.11E-01	-5.17	2.21E-03	-1.24	7.72E-01	M-1
ENSMMUG000000011376	GPC5	Glypican 5	13.83	5.32	0.49	0.07	-1.45	3.67E-01	-4.03	3.50E-03	-3.01	1.43E-01	M-1
ENSMMUG000000000529	GPC6	Glypican 6	19.49	20.67	1.94	0.48	0.30	8.51E-01	-5.86	6.41E-09	0.56	8.39E-01	M-1
ENSMMUG000000046362	SOX21	SRY-box 21	1.89	1.93	0.17	0.41	-0.41	8.34E-01	-3.30	1.50E-02	0.54	8.86E-01	M-1
ENSMMUG000000021807	LOC695407	Multidrug Resistance-associated Protein 4	20.49	8.82	0.92	0.28	-1.65	7.93E-02	-2.97	5.85E-04	-2.08	9.40E-02	M-1
ENSMMUG000000005839	DZIP1	DAZ Interacting Zinc Finger Protein 1	43.12	16.04	15.69	0.41	-1.69	5.12E-02	-3.41	1.42E-05	-1.37	2.96E-01	M-1
ENSMMUG000000005842	UGGT2	UDP-glucose Glycoprotein Glucosyltransferase 2	4.42	6.03	2.17	0.98	0.31	7.75E-01	-1.72	3.14E-02	-0.59	7.34E-01	M-1
ENSMMUG00000001402	SLC15A1	Solute Carrier Family 15 Member 1	5.01	2.17	0.11	0.06	-0.63	7.81E-01	-6.19	1.45E-04	0.06	9.93E-01	M-1
ENSMMUG00000003558	CLYBL	Citrate Lyase Beta Like	1.38	9.33	0.13	0.69	-1.63	4.53E-01	-6.77	4.82E-04	1.25	7.92E-01	M-1
ENSMMUG000000004494	GGACT	Gamma-glutamylamine Cyclotransferase	3.67	5.28	3.27	1.43	1.29	3.21E-01	-2.53	2.69E-02	0.66	8.10E-01	M-1
ENSMMUG000000015856	NALCN	Sodium Leak Channel, Non-selective	3.06	1.70	0.05	0.11	-0.62	6.69E-01	-5.33	1.00E-06	0.33	9.28E-01	M-1
ENSMMUG000000002873	ITGBL1	Integrin Subunit Beta Like 1	19.73	7.31	1.46	0.64	-2.09	1.52E-01	-3.64	5.74E-03	-1.30	6.29E-01	M-1
ENSMMUG000000022818			1.38	5.51	1.18	1.34	0.73	6.65E-01	-2.90	2.83E-02	0.39	9.19E-01	M-1
ENSMMUG000000013138	ARHGEF7	Rho Guanine Nucleotide Exchange Factor 7	102.91	93.01	7.39	3.91	-0.35	7.31E-01	-3.92	2.47E-08	-0.33	8.67E-01	M-1
ENSMMUG000000023599	CHAMP1	Chromosome Alignment Maintaining Phosphoprotein 1	50.65	45.44	17.23	10.63	-0.46	5.51E-01	-1.81	2.88E-03	0.27	8.67E-01	M-1
ENSMMUG000000019310	DIDO1	Death Inducer-obliterator 1	8.55	11.74	5.79	5.94	0.61	2.85E-01	-1.03	4.32E-02	0.44	6.65E-01	M-1
ENSMMUG000000046848	MRGBP	MRG Domain Binding Protein	8.51	5.57	1.42	2.98	-0.39	7.74E-01	-2.49	1.04E-02	1.31	4.43E-01	M-1
ENSMMUG000000016848	SLCO4A1	Solute Carrier Organic Anion Transporter Family Member 4A1	8.68	10.66	0.37	0.07	-0.01	9.94E-01	-7.61	1.68E-11	0.45	9.02E-01	M-1
ENSMMUG000000019469	PPP1R3D	Protein Phosphatase 1 Regulatory Subunit 3D	2.46	0.91	0.00	0.23	-1.47	5.65E-01	-5.25	1.68E-02	2.94	4.40E-01	M-1
ENSMMUG000000016294	SYCP2	Synaptonemal Complex Protein 2	92.75	44.16	12.90	1.41	-1.14	1.99E-01	-3.06	5.66E-05	-1.72	1.28E-01	M-1
ENSMMUG000000020745	ZNF831	Zinc Finger Protein 831	3.10	3.02	0.07	0.02	-0.31	8.61E-01	-7.76	2.00E-11	0.20	9.65E-01	M-1
ENSMMUG000000016802	CTCFL	CCCTC-binding Factor Like	1.33	6.99	0.23	0.06	1.98	2.50E-01	-4.58	1.90E-03	2.05	4.37E-01	M-1

ENSMMUG0000007090	DOK5	Docking Protein 5	4.86	0.47	0.27	0.11	-2.18	1.10E-01	-3.39	9.52E-03	-0.42	9.14E-01	M-1
ENSMMUG00000020082	BCAS1	Breast Carcinoma Amplified Sequence 1	8.02	2.99	0.51	0.20	-2.03	5.11E-02	-2.88	4.03E-03	-0.91	6.81E-01	M-1
ENSMMUG00000013035	TSHZ2	Teashirt Zinc Finger Homeobox 2	23.41	27.63	1.24	0.13	-0.28	8.19E-01	-5.17	2.22E-10	-1.85	1.64E-01	M-1
ENSMMUG00000012657	NFATC2	Nuclear Factor Of Activated T-cells 2	52.48	70.27	13.57	2.22	-0.19	8.99E-01	-2.89	2.41E-03	-1.95	1.68E-01	M-1
ENSMMUG00000000740	SPATA2	Spermatogenesis Associated 2	18.32	21.82	13.33	5.33	-0.19	8.39E-01	-1.72	7.74E-03	0.02	9.94E-01	M-1
ENSMMUG00000021692	PTGIS	Prostaglandin I2 Synthase	2.26	0.71	0.00	0.16	-1.81	4.53E-01	-6.43	2.56E-03	3.61	2.76E-01	M-1
ENSMMUG0000002302	STAU1	Staufen Double-stranded RNA Binding Protein 1	160.49	305.86	72.09	53.68	0.83	7.40E-02	-2.25	3.06E-08	-0.11	9.41E-01	M-1
ENSMMUG00000015072	PREX1	Phosphatidylinositol-3,4,5-trisphosphate Dependent Rac Exchange Factor 1	5.52	9.98	1.19	1.62	0.75	6.11E-01	-4.73	1.45E-05	1.51	4.50E-01	M-1
ENSMMUG00000010769	EYA2	EYA Transcriptional Coactivator And Phosphatase 2	14.47	17.14	0.65	0.39	-0.84	5.87E-01	-4.65	6.97E-05	1.00	7.05E-01	M-1
ENSMMUG00000016924	SLC13A3	Solute Carrier Family 13 Member 3	4.97	3.19	8.06	0.13	-1.33	3.77E-01	-4.10	1.19E-03	-0.56	8.75E-01	M-1
ENSMMUG00000002751	WFDC2	WAP Four-disulfide Core Domain 2	153.20	57.45	19.53	0.73	-2.12	5.35E-02	-4.28	1.84E-05	-2.08	1.81E-01	M-1
ENSMMUG00000013212	STK4	Serine/threonine Kinase 4	29.81	18.25	5.85	6.58	-0.69	3.52E-01	-1.74	5.27E-03	0.12	9.58E-01	M-1
ENSMMUG00000013211	TOMM34	Translocase Of Outer Mitochondrial Membrane 34	53.40	26.56	5.37	1.59	-0.88	4.01E-01	-4.21	4.43E-07	-0.57	7.89E-01	M-1
ENSMMUG00000013209			12.42	6.55	2.06	0.19	-2.03	3.23E-01	-4.27	2.36E-02	-1.89	6.00E-01	M-1
ENSMMUG00000017350	RALGAPB	Ral GTPase Activating Protein Non-catalytic Beta Subunit	18.62	14.10	5.64	9.91	-0.35	7.40E-01	-1.62	3.85E-02	0.65	6.84E-01	M-1
ENSMMUG00000018923	TTI1	TELO2 Interacting Protein 1	8.84	9.51	3.33	3.21	0.09	9.25E-01	-1.76	5.15E-03	0.57	6.68E-01	M-1
ENSMMUG00000017230	VSTM2L	V-set And Transmembrane Domain Containing 2 Like	1.44	0.84	0.11	0.02	-0.83	7.58E-01	-5.60	6.32E-03	-1.99	6.30E-01	M-1
ENSMMUG00000017224	CTNBL1	Catenin Beta Like 1	13.48	22.08	4.77	4.80	0.54	5.22E-01	-1.82	7.74E-03	-0.18	9.35E-01	M-1
ENSMMUG00000044552	BLCAP	Bladder Cancer Associated Protein	216.97	236.66	31.83	7.97	-0.55	7.08E-01	-3.11	3.63E-03	-0.58	8.33E-01	M-1
ENSMMUG00000008201	NDRG3	NDRG Family Member 3	25.79	17.95	10.83	6.96	-0.79	3.70E-01	-1.58	4.06E-02	-0.88	5.21E-01	M-1
ENSMMUG00000016448	DLGAP4	DLG Associated Protein 4	17.84	16.56	4.18	4.72	-0.09	9.27E-01	-3.51	4.40E-09	1.00	3.35E-01	M-1
ENSMMUG00000023456	ERGIC3	ERGIC And Golgi 3	21.36	15.62	6.67	4.96	-0.17	8.76E-01	-1.92	5.45E-03	-0.18	9.39E-01	M-1
ENSMMUG00000010715	NCOA6	Nuclear Receptor Coactivator 6	45.08	39.96	15.60	11.59	-0.30	6.76E-01	-1.37	1.25E-02	-0.42	7.29E-01	M-1
ENSMMUG00000018093	RALY	RALY Heterogeneous Nuclear Ribonucleoprotein	51.88	75.36	20.52	21.71	0.78	3.49E-01	-2.69	6.98E-05	0.37	8.35E-01	M-1
ENSMMUG00000023550	E2F1	E2F Transcription Factor 1	16.18	15.90	3.68	3.08	-0.07	9.62E-01	-2.34	1.97E-02	-0.07	9.86E-01	M-1
ENSMMUG00000007121	NOL4L	Nucleolar Protein 4 Like	11.50	17.52	4.57	0.80	0.21	8.95E-01	-5.83	1.78E-09	1.75	2.78E-01	M-1
ENSMMUG00000012897	KIF3B	Kinesin Family Member 3B	12.79	18.78	10.01	4.56	0.56	4.75E-01	-1.41	3.28E-02	-0.24	8.98E-01	M-1
ENSMMUG00000000118	PLAGL2	PLAG1 Like Zinc Finger 2	56.15	42.41	12.02	4.68	-0.43	6.39E-01	-1.76	1.27E-02	-0.72	6.02E-01	M-1
ENSMMUG00000017416	TM9SF4	Transmembrane 9 Superfamily Member 4	25.11	56.66	12.15	10.19	0.87	2.95E-01	-2.40	5.87E-04	0.14	9.58E-01	M-1
ENSMMUG00000000971	TTL9	Tubulin Tyrosine Ligase Like 9	23.53	32.01	2.50	1.09	-0.19	9.21E-01	-4.64	1.10E-04	-0.10	9.82E-01	M-1
ENSMMUG00000000270	ANGPT4	Angiopoietin 4	1.92	0.56	0.02	0.01	-2.71	1.18E-01	-5.32	2.66E-03	-0.68	8.98E-01	M-1
ENSMMUG00000018159	RAD21L1	RAD21 Cohesin Complex Component Like 1	1.84	0.69	0.11	0.08	-1.67	2.06E-01	-3.82	1.11E-03	1.51	4.88E-01	M-1
ENSMMUG00000018474	LOC715954	Signal-regulatory Protein Beta-1 Isoform 3	7.08	2.29	0.12	0.01	-1.83	2.65E-01	-5.45	2.59E-04	-2.96	2.38E-01	M-1
ENSMMUG00000017467	C10H20orf194	Chromosome 10 Open Reading Frame, Human C20orf194	9.49	4.93	1.26	1.46	-0.98	3.83E-01	-2.38	1.28E-02	-0.58	8.03E-01	M-1
ENSMMUG00000038820			9.61	10.21	5.13	3.69	0.12	9.03E-01	-1.36	4.59E-02	-0.79	5.13E-01	M-1
ENSMMUG00000018922	CDC25B	Cell Division Cycle 25B	17.85	20.03	2.84	2.40	0.65	5.74E-01	-4.15	2.01E-06	-0.04	9.91E-01	M-1
ENSMMUG00000044575			26.49	66.98	0.32	0.80	0.26	9.11E-01	-6.76	2.22E-06	1.83	5.19E-01	M-1
ENSMMUG00000004703	RNF24	Ring Finger Protein 24	4.43	5.68	0.34	0.42	0.43	8.53E-01	-4.08	1.14E-02	0.49	9.20E-01	M-1
ENSMMUG00000013722	CHGB	Chromogranin B	1.59	0.50	0.03	0.01	-2.03	2.21E-01	-5.94	1.45E-04	-0.52	9.17E-01	M-1

ENSMMUG0000004313	PLCB1	Phospholipase C Beta 1	2.43	3.24	0.55	0.19	0.90	4.63E-01	-5.13	1.22E-07	0.92	6.68E-01	M-1
ENSMMUG0000001012	PLCB4	Phospholipase C Beta 4	0.99	0.85	0.05	0.57	-2.39	9.17E-02	-5.97	1.24E-05	3.52	5.56E-02	M-1
ENSMMUG00000018116	JAG1	Jagged 1	28.20	20.28	5.04	1.03	-0.10	9.45E-01	-3.27	3.16E-04	-0.73	7.25E-01	M-1
ENSMMUG00000015939	ISM1	Isthmin 1	1.84	0.56	0.11	0.41	-1.27	4.01E-01	-3.19	2.35E-02	2.62	2.09E-01	M-1
ENSMMUG00000012880	LOC700646	Uncharacterized LOC700646	113.18	56.19	20.05	18.32	-1.03	1.89E-01	-1.59	2.62E-02	-0.56	7.17E-01	M-1
ENSMMUG00000022386	NXT1	Nuclear Transport Factor 2 Like Export Factor 1	5.73	16.22	5.11	3.15	1.28	3.07E-01	-2.50	2.34E-02	1.27	5.21E-01	M-1
ENSMMUG00000020858	NANP	N-acetylneuraminic Acid Phosphatase	3.33	10.06	0.67	1.07	0.96	6.08E-01	-4.67	1.10E-03	1.29	6.85E-01	M-1
ENSMMUG00000012602			23.96	9.10	1.32	0.31	-1.85	9.84E-02	-3.95	1.09E-04	-1.03	6.41E-01	M-1
ENSMMUG00000044198			2.31	6.79	1.44	0.84	3.30	1.07E-01	-6.38	9.29E-04	0.99	8.54E-01	M-1
ENSMMUG00000023263	MED15	Mediator Complex Subunit 15	84.12	128.11	19.36	15.18	0.81	4.06E-01	-3.76	8.81E-07	0.27	9.11E-01	M-1
ENSMMUG00000041565			38.19	68.77	27.98	16.93	1.41	2.16E-01	-2.32	2.49E-02	-0.19	9.60E-01	M-1
ENSMMUG00000022977	LOC698692	PRAME Family Member 20-like	3.66	11.24	1.07	2.41	0.32	8.52E-01	-2.62	2.79E-02	-0.38	9.12E-01	M-1
ENSMMUG00000008017	ZNF280B	Zinc Finger Protein 280B	130.67	94.42	21.84	5.82	-0.69	4.07E-01	-2.77	3.10E-05	-0.96	4.23E-01	M-1
ENSMMUG00000037559	ZNF70	Zinc Finger Protein 70	12.18	16.66	8.55	1.51	0.24	8.78E-01	-3.12	1.82E-03	-0.29	9.28E-01	M-1
ENSMMUG00000009098	SMARCB1	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily B, Member 1	23.58	29.22	7.34	9.57	0.92	4.39E-01	-2.67	6.34E-03	0.20	9.56E-01	M-1
ENSMMUG00000009101	DERL3	Derlin 3	8.58	4.49	0.16	0.18	-1.44	2.58E-01	-4.22	2.19E-04	-1.72	4.24E-01	M-1
ENSMMUG00000004552	DDT	D-dopachrome Tautomerase	2.19	6.21	5.11	1.42	1.91	2.85E-01	-6.57	2.98E-05	4.03	5.97E-02	M-1
ENSMMUG00000000262	UPB1	Beta-ureidopropionase 1	23.58	9.12	1.72	0.14	-1.72	1.24E-01	-3.59	3.39E-04	-1.46	4.23E-01	M-1
ENSMMUG00000020325	PIWIL3	Piwi Like RNA-mediated Gene Silencing 3	57.58	31.87	3.80	1.46	-0.75	5.07E-01	-3.32	1.55E-04	-1.03	5.48E-01	M-1
ENSMMUG00000042133			21.29	15.96	5.79	6.46	-0.13	9.15E-01	-1.68	3.26E-02	0.34	8.67E-01	M-1
ENSMMUG00000001058	TTC28	Tetratricopeptide Repeat Domain 28	3.54	2.36	0.17	0.26	-2.22	1.01E-01	-3.05	1.73E-02	-0.36	9.28E-01	M-1
ENSMMUG00000040556	CCDC117	Coiled-coil Domain Containing 117	45.22	81.15	26.08	18.79	0.81	3.25E-01	-2.06	3.09E-03	1.03	3.83E-01	M-1
ENSMMUG00000045556			3.11	1.46	0.26	1.54	-0.49	8.32E-01	-5.06	3.87E-03	2.64	3.36E-01	M-1
ENSMMUG00000022236	MTMR3	Myotubularin Related Protein 3	270.61	84.09	12.85	3.01	-1.33	1.37E-01	-3.63	2.76E-06	-1.03	4.79E-01	M-1
ENSMMUG00000005898	MORC2	MORC Family CW-type Zinc Finger 2	7.36	18.16	4.64	2.51	1.17	2.20E-01	-2.28	6.96E-03	-1.15	4.35E-01	M-1
ENSMMUG00000022397	RNF185	Ring Finger Protein 185	15.31	10.63	1.64	3.52	-0.27	8.67E-01	-4.54	1.50E-05	0.67	8.03E-01	M-1
ENSMMUG00000031035	EIF4ENIF1	Eukaryotic Translation Initiation Factor 4E Nuclear Import Factor 1	77.14	53.89	18.89	7.07	-0.59	5.54E-01	-2.43	1.79E-03	-0.53	7.74E-01	M-1
ENSMMUG00000012011	HMGXB4	HMG-box Containing 4	24.14	29.32	9.43	13.06	0.45	4.71E-01	-1.61	1.23E-03	0.45	6.69E-01	M-1
ENSMMUG00000044029	C1QTNF6	C1q And TNF Related 6	65.73	133.11	5.12	0.57	0.36	7.77E-01	-5.35	2.29E-10	-2.01	1.17E-01	M-1
ENSMMUG00000042076	ELFN2	Extracellular Leucine Rich Repeat And Fibronectin Type III Domain Containing 2	2.43	1.77	1.95	0.02	-0.45	8.17E-01	-5.58	1.56E-05	-1.16	6.89E-01	M-1
ENSMMUG00000003853	GGA1	Golgi Associated, Gamma Adaptin Ear Containing, ARF Binding Protein 1	3.43	7.96	2.75	2.05	1.32	1.71E-01	-2.05	2.01E-02	-0.82	6.43E-01	M-1
ENSMMUG00000005991	TRIOBP	TRIO And F-actin Binding Protein	17.10	25.90	6.58	7.42	0.82	4.15E-01	-2.75	7.81E-04	0.34	8.84E-01	M-1
ENSMMUG00000017680	CBY1	Chibby Family Member 1, Beta Catenin Antagonist	4.18	18.82	2.02	2.93	2.03	7.15E-02	-3.30	1.55E-03	0.45	8.75E-01	M-1
ENSMMUG00000020411	MKL1	Megakaryoblastic Leukemia (translocation) 1	35.83	33.64	6.42	3.00	-1.06	2.96E-01	-1.92	3.27E-02	-1.77	1.65E-01	M-1
ENSMMUG00000017371	MCHR1	Melanin Concentrating Hormone Receptor 1	5.72	5.71	2.66	0.08	-1.15	5.03E-01	-4.66	2.72E-03	-2.25	3.67E-01	M-1
ENSMMUG00000031010			14.27	11.36	0.83	0.58	-0.52	7.49E-01	-3.68	1.84E-03	-1.07	6.85E-01	M-1
ENSMMUG00000031009			17.64	16.05	0.94	0.52	-0.30	8.50E-01	-3.97	1.80E-04	-1.05	6.50E-01	M-1
ENSMMUG00000047046	POLDIP3	DNA Polymerase Delta Interacting Protein 3	43.72	46.51	15.27	12.61	0.01	9.95E-01	-1.95	2.05E-02	-0.17	9.52E-01	M-1

ENSMMUG00000010194	A4GALT	Alpha 1,4-galactosyltransferase (P Blood Group)	17.36	21.60	7.26	11.69	0.16	8.83E-01	-1.67	2.19E-02	0.59	7.05E-01	M-1
ENSMMUG00000008728			2.10	3.16	0.52	0.44	2.58	2.23E-01	-5.86	2.03E-03	4.27	1.06E-01	M-1
ENSMMUG00000005769	EFCAB6	EF-hand Calcium Binding Domain 6	2.63	1.79	0.85	0.38	-0.05	9.79E-01	-2.37	3.51E-02	-1.06	6.37E-01	M-1
ENSMMUG00000016698	PNPLA3	Patatin Like Phospholipase Domain Containing 3	1.59	4.78	0.51	0.51	1.19	5.57E-01	-5.19	1.16E-03	2.16	4.44E-01	M-1
ENSMMUG00000015448	PARVB	Parvin Beta	2.32	1.24	0.26	0.43	-1.54	2.74E-01	-2.63	4.71E-02	-0.24	9.59E-01	M-1
ENSMMUG00000031000	PRR5	Proline Rich 5	8.02	9.47	3.30	10.27	0.18	8.96E-01	-1.75	4.99E-02	2.09	7.06E-02	M-1
ENSMMUG00000023004	SMC1B	Structural Maintenance Of Chromosomes 1B	2.63	1.90	0.28	0.41	-1.14	2.96E-01	-2.71	4.68E-03	1.03	5.85E-01	M-1
ENSMMUG00000023007	RIBC2	RIB43A Domain With Coiled-coils 2	1.27	1.95	0.03	0.12	-1.28	4.60E-01	-4.63	2.73E-03	-0.25	9.66E-01	M-1
ENSMMUG00000008136	GTSE1	G2 And S-phase Expressed 1	36.17	46.69	11.14	12.89	0.54	5.24E-01	-2.36	3.64E-04	-0.35	8.38E-01	M-1
ENSMMUG00000020993	CELSR1	Cadherin EGF LAG Seven-pass G-type Receptor 1	12.89	12.82	1.19	1.22	-0.12	9.34E-01	-3.51	5.63E-05	-0.85	6.49E-01	M-1
ENSMMUG00000009120	MOV10L1	Mov10 RISC Complex RNA Helicase Like 1	0.97	4.78	4.15	0.12	1.83	1.07E-01	-2.30	3.42E-02	-2.09	1.89E-01	M-1
ENSMMUG00000005592	ACR	Acrosin	9.21	11.97	1.32	0.07	-0.33	8.59E-01	-4.59	1.97E-04	-3.02	1.25E-01	M-1
ENSMMUG00000038897	RPH3AL	Rabphilin 3A Like (without C2 Domains)	1.38	0.33	0.02	0.03	-2.26	2.27E-01	-4.03	2.64E-02	-0.01	9.99E-01	M-1
ENSMMUG00000002371	MYO1C	Myosin IC	24.67	21.49	3.13	3.58	-0.34	7.71E-01	-3.77	1.57E-06	0.65	7.24E-01	M-1
ENSMMUG00000022194	SERPINF1	Serpin Family F Member 1	6.01	3.63	0.84	0.64	-0.85	4.69E-01	-2.56	8.65E-03	0.08	9.82E-01	M-1
ENSMMUG00000011604	RPA1	Replication Protein A1	9.82	4.99	2.77	3.53	-1.21	1.02E-01	-1.64	1.78E-02	0.82	5.14E-01	M-1
ENSMMUG00000023161	SMG6	SMG6, Nonsense Mediated MRNA Decay Factor	18.64	24.09	8.43	8.92	0.55	3.50E-01	-1.64	8.17E-04	0.09	9.63E-01	M-1
ENSMMUG00000022004	MNT	MAX Network Transcriptional Repressor	1.92	4.95	6.85	5.98	1.95	8.93E-02	-2.67	1.39E-02	0.62	8.13E-01	M-1
ENSMMUG00000022007	METTL16	Methyltransferase Like 16	53.66	85.30	20.03	13.44	0.63	4.67E-01	-1.82	1.16E-02	-1.15	3.16E-01	M-1
ENSMMUG00000023388	SHPK	Sedoheptulokinase	0.72	1.12	0.13	1.13	0.19	9.45E-01	-3.60	4.50E-02	3.88	1.04E-01	M-1
ENSMMUG00000008263	ATP2A3	ATPase Sarcoplasmic/endoplasmic Reticulum Ca2+ Transporting 3	6.34	4.53	0.17	0.04	-0.50	7.58E-01	-5.23	3.46E-06	-1.90	3.42E-01	M-1
ENSMMUG00000030381	ALOX15	Arachidonate 15-lipoxygenase	7.54	15.58	0.74	0.38	0.57	7.11E-01	-6.28	4.52E-09	1.90	2.89E-01	M-1
ENSMMUG00000017654	ARRB2	Arrestin Beta 2	2.70	2.63	0.30	0.60	0.46	8.12E-01	-3.78	5.64E-03	0.28	9.53E-01	M-1
ENSMMUG00000002409			34.20	26.13	1.16	0.86	-2.21	7.50E-02	-3.08	8.71E-03	-1.85	3.27E-01	M-1
ENSMMUG00000045311	C16H17orf107	Chromosome 16 Open Reading Frame, Human C17orf107	0.13	1.47	0.22	0.43	3.07	1.53E-01	-4.46	2.59E-02	1.13	8.12E-01	M-1
ENSMMUG00000009175	INCA1	Inhibitor Of CDK, Cyclin A1 Interacting Protein 1	10.85	5.54	0.38	0.33	-1.35	3.34E-01	-4.16	4.82E-04	-0.66	8.36E-01	M-1
ENSMMUG00000046810	ZFP3	ZFP3 Zinc Finger Protein	1.96	6.84	0.62	1.56	1.56	2.35E-01	-3.70	1.06E-03	2.24	1.92E-01	M-1
ENSMMUG00000022985	SCIMP	SLP Adaptor And CSK Interacting Membrane Protein	42.65	79.09	2.33	0.45	-0.08	9.67E-01	-6.25	1.12E-07	-0.74	8.13E-01	M-1
ENSMMUG00000010467	NUP88	Nucleoporin 88	85.60	48.02	18.94	15.02	-0.95	8.99E-02	-1.24	1.86E-02	0.24	8.58E-01	M-1
ENSMMUG00000006599	DERL2	Derlin 2	17.48	9.99	4.99	5.79	-0.80	2.29E-01	-1.24	4.25E-02	0.16	9.31E-01	M-1
ENSMMUG00000030453	NLRP1	NLR Family Pyrin Domain Containing 1	4.22	2.87	0.08	0.02	-2.04	2.13E-01	-3.57	1.95E-02	-0.30	9.62E-01	M-1
ENSMMUG00000007535	LOC713683	Arachidonate 12-lipoxygenase, Epidermal-type-like	3.21	2.40	0.13	0.14	-0.81	5.56E-01	-5.62	1.31E-07	2.38	1.36E-01	M-1
ENSMMUG00000016268	BCL6B	B-cell CLL/lymphoma 6B	8.90	7.36	0.31	0.05	0.24	8.92E-01	-5.84	3.05E-07	-1.08	6.96E-01	M-1
ENSMMUG00000010536	DLG4	Discs Large MAGUK Scaffold Protein 4	1.01	1.48	0.25	0.01	-0.14	9.61E-01	-3.71	4.97E-02	-3.02	3.16E-01	M-1
ENSMMUG00000023616	ZBTB4	Zinc Finger And BTB Domain Containing 4	1.02	2.83	1.04	0.57	1.41	4.50E-01	-4.00	1.09E-02	1.03	7.82E-01	M-1
ENSMMUG00000006327	TNFSF12	Tumor Necrosis Factor (ligand) Superfamily, Member 12	10.88	5.19	0.82	1.11	-1.38	1.71E-01	-2.08	2.65E-02	-2.24	7.48E-02	M-1
ENSMMUG00000013510	FXR2	FMR1 Autosomal Homolog 2	10.88	18.57	9.10	5.13	0.66	3.06E-01	-1.21	3.34E-02	-0.30	8.29E-01	M-1

ENSMMUG00000017723	GUCY2D	Guanylate Cyclase 2D, Retinal	11.98	4.13	0.28	0.06	-1.78	7.04E-02	-3.51	1.02E-04	-2.21	9.97E-02	M-1
ENSMMUG00000019850	ALOXE3	Arachidonate Lipoxygenase 3	7.37	25.75	1.75	0.22	1.61	2.70E-01	-5.40	1.02E-05	-0.61	8.57E-01	M-1
ENSMMUG00000021798	PER1	Period Circadian Regulator 1	4.32	7.96	1.32	0.33	1.24	2.84E-01	-4.18	1.67E-05	-0.78	7.38E-01	M-1
ENSMMUG00000021801	VAMP2	Vesicle Associated Membrane Protein 2	5.48	4.61	0.70	1.29	-0.82	5.00E-01	-2.82	4.18E-03	0.93	6.47E-01	M-1
ENSMMUG00000023803	MYH10	Myosin Heavy Chain 10	68.03	52.73	6.08	5.52	-0.41	6.32E-01	-3.50	2.08E-08	0.30	8.65E-01	M-1
ENSMMUG00000005791	PIK3R6	Phosphoinositide-3-kinase Regulatory Subunit 6	2.09	5.82	0.86	0.50	1.73	2.65E-01	-4.22	1.81E-03	-1.12	7.03E-01	M-1
ENSMMUG00000005792	PIK3R5	Phosphoinositide-3-kinase Regulatory Subunit 5	3.57	1.30	0.23	0.09	-1.22	4.77E-01	-4.88	7.13E-04	-0.65	8.69E-01	M-1
ENSMMUG00000045539			22.47	4.87	0.45	0.97	-2.78	1.27E-01	-4.67	8.01E-03	0.79	8.63E-01	M-1
ENSMMUG00000041092	RCVRN	Recoverin	1.07	1.83	0.00	0.06	-0.25	9.13E-01	-7.43	4.94E-06	2.58	3.46E-01	M-1
ENSMMUG00000018092	GAS7	Growth Arrest Specific 7	12.45	12.98	2.95	2.04	0.00	9.99E-01	-5.63	9.96E-08	2.55	1.05E-01	M-1
ENSMMUG00000020084	LOC717943	Myosin-3	3.81	2.01	0.18	0.15	-1.74	1.75E-01	-3.71	1.29E-03	-0.64	8.26E-01	M-1
ENSMMUG00000013281	MYOCD	Myocardin	4.28	3.02	0.05	0.17	-2.44	9.15E-02	-5.20	3.36E-04	0.87	8.02E-01	M-1
ENSMMUG00000049005	LOC106993909	Uncharacterized LOC106993909	3.20	6.50	4.31	0.80	1.14	5.43E-01	-3.97	1.07E-02	1.84	5.28E-01	M-1
ENSMMUG00000021091	COPS3	COP9 Signalosome Subunit 3	13.50	19.28	9.73	7.10	0.61	2.27E-01	-1.06	1.90E-02	-0.51	5.35E-01	M-1
ENSMMUG00000018352	ALKBH5	AlkB Homolog 5, RNA Demethylase	116.62	49.50	18.81	10.92	-1.13	9.24E-02	-1.90	1.92E-03	-0.02	9.94E-01	M-1
ENSMMUG00000008536	MAPK7	Mitogen-activated Protein Kinase 7	14.10	8.42	0.45	1.19	-1.21	3.45E-01	-4.44	2.51E-05	1.12	6.07E-01	M-1
ENSMMUG00000008538	MFAP4	Microfibril Associated Protein 4	2.86	6.36	0.14	0.17	-0.51	7.98E-01	-6.94	8.18E-07	3.47	8.10E-02	M-1
ENSMMUG00000018581	CCDC144NL	Coiled-coil Domain Containing 144 Family, N-terminal Like	2.27	15.11	0.84	0.18	2.09	5.31E-02	-4.86	5.71E-07	-1.76	2.77E-01	M-1
ENSMMUG00000019142	TMEM97	Transmembrane Protein 97	2.12	6.00	0.75	0.83	1.55	2.56E-01	-3.05	1.15E-02	0.64	8.32E-01	M-1
ENSMMUG00000012239	UNC119	Unc-119 Lipid Binding Chaperone	2.95	11.45	1.08	2.23	2.63	1.11E-01	-4.57	2.31E-03	3.04	1.71E-01	M-1
ENSMMUG00000021554	PHF12	PHD Finger Protein 12	21.83	22.26	4.42	4.93	-0.12	9.12E-01	-2.50	1.86E-04	1.12	3.17E-01	M-1
ENSMMUG00000014408	GIT1	GIT ArfGAP 1	20.27	31.44	5.10	6.31	0.73	5.78E-01	-2.49	1.66E-02	0.71	7.68E-01	M-1
ENSMMUG00000008605	NF1	Neurofibromin 1	34.58	29.93	5.14	8.26	-0.09	9.39E-01	-2.80	8.81E-05	0.53	7.53E-01	M-1
ENSMMUG00000004794	LIG3	DNA Ligase 3	22.68	28.68	7.45	14.20	0.47	5.31E-01	-2.08	3.79E-04	0.13	9.50E-01	M-1
ENSMMUG000000046572	TEX14	Testis Expressed 14, Intercellular Bridge Forming Factor	2.76	4.77	1.09	0.14	0.25	8.76E-01	-3.64	4.99E-04	-2.05	2.12E-01	M-1
ENSMMUG00000004723	VEZF1	Vascular Endothelial Zinc Finger 1	12.58	9.04	6.65	7.03	-0.43	6.40E-01	-1.75	1.39E-02	1.63	9.19E-02	M-1
ENSMMUG00000015883			33.46	26.04	9.02	2.80	-0.69	5.07E-01	-2.73	1.42E-03	-1.92	1.24E-01	M-1
ENSMMUG00000010550	TOM1L1	Target Of Myb1 Like 1 Membrane Trafficking Protein	129.44	83.11	8.99	3.32	-0.64	4.87E-01	-3.97	1.60E-08	-0.86	5.41E-01	M-1
ENSMMUG00000001942	MBTD1	Mbt Domain Containing 1	16.46	30.67	6.45	6.16	1.34	6.97E-02	-2.50	1.85E-04	0.13	9.58E-01	M-1
ENSMMUG00000003453	ZNF652	Zinc Finger Protein 652	54.82	25.54	6.64	9.24	-1.16	1.25E-01	-2.31	6.02E-04	1.10	3.24E-01	M-1
ENSMMUG000000047842	LRRC46	Leucine Rich Repeat Containing 46	1.37	1.31	0.09	0.20	0.43	8.13E-01	-4.18	8.67E-04	1.39	5.83E-01	M-1
ENSMMUG00000002637	MLLT6	MLLT6, PHD Finger Containing	2.99	5.31	0.79	1.71	0.29	8.70E-01	-2.54	3.30E-02	2.31	1.75E-01	M-1
ENSMMUG00000002944	CWC25	CWC25 Spliceosome Associated Protein Homolog	51.42	38.62	18.34	18.15	-0.24	8.20E-01	-1.72	2.30E-02	-0.08	9.75E-01	M-1
ENSMMUG00000018180	FBXO47	F-box Protein 47	1.03	0.75	0.12	0.08	-0.83	6.92E-01	-5.15	1.87E-03	0.03	9.97E-01	M-1
ENSMMUG00000004917	PLXDC1	Plexin Domain Containing 1	9.63	4.52	0.79	0.08	-1.87	1.55E-01	-3.44	4.16E-03	-1.95	3.29E-01	M-1
ENSMMUG00000000289	CACNB1	Calcium Voltage-gated Channel Auxiliary Subunit Beta 1	2.70	4.96	1.24	0.22	0.36	8.34E-01	-3.19	6.45E-03	-0.34	9.28E-01	M-1
ENSMMUG00000020775	GRB7	Growth Factor Receptor Bound Protein 7	33.47	24.48	0.84	0.82	0.09	9.52E-01	-6.15	4.74E-12	0.34	9.02E-01	M-1

ENSMMUG00000017337	IKZF3	IKAROS Family Zinc Finger 3	0.30	4.61	0.07	0.04	3.18	8.75E-02	-6.59	1.39E-04	-0.06	9.94E-01	M-1
ENSMMUG00000004586	ORMDL3	ORMDL Sphingolipid Biosynthesis Regulator 3	6.31	9.78	2.58	1.95	-0.10	9.43E-01	-2.28	1.18E-02	-0.02	9.95E-01	M-1
ENSMMUG00000004750	WIPF2	WAS/WASL Interacting Protein Family Member 2	87.44	64.50	19.51	7.61	-0.94	3.64E-01	-2.15	1.46E-02	-0.84	6.35E-01	M-1
ENSMMUG00000004755	CDC6	Cell Division Cycle 6	26.12	44.62	23.20	21.14	0.74	5.30E-02	-0.86	1.99E-02	-0.83	9.68E-02	M-1
ENSMMUG00000002102	CCR7	C-C Motif Chemokine Receptor 7	23.86	20.45	2.93	0.19	-0.47	7.93E-01	-5.89	9.31E-07	-0.93	7.59E-01	M-1
ENSMMUG000000038293			1.37	3.80	1.17	0.63	2.00	1.76E-01	-3.00	2.84E-02	-0.85	7.91E-01	M-1
ENSMMUG00000009887	MLX	MLX, MAX Dimerization Protein	7.55	17.12	5.97	7.96	1.10	2.62E-01	-2.18	1.14E-02	0.37	8.72E-01	M-1
ENSMMUG00000006093	EZH1	Enhancer Of Zeste 1 Polycomb Repressive Complex 2 Subunit	1.07	3.57	0.38	0.38	2.03	1.69E-01	-5.10	6.90E-05	1.25	6.48E-01	M-1
ENSMMUG000000037850			2.53	1.39	0.11	0.03	-1.73	3.68E-01	-4.75	6.92E-03	1.81	6.20E-01	M-1
ENSMMUG00000010433	NBR1	NBR1, Autophagy Cargo Receptor	11.09	15.02	7.10	6.36	0.63	2.20E-01	-0.96	3.94E-02	-0.12	9.38E-01	M-1
ENSMMUG000000032617	MPP2	Membrane Palmitoylated Protein 2	25.05	21.07	1.08	0.12	-0.49	7.61E-01	-4.02	3.36E-04	-3.02	5.16E-02	M-1
ENSMMUG00000012658	GPATCH8	G-patch Domain Containing 8	38.42	30.77	13.65	15.97	-0.38	3.85E-01	-0.91	1.35E-02	-0.05	9.70E-01	M-1
ENSMMUG00000005456			27.41	14.35	4.38	2.67	-1.01	3.82E-01	-2.39	1.53E-02	-0.27	9.31E-01	M-1
ENSMMUG00000005458	GJC1	Gap Junction Protein Gamma 1	69.26	67.47	16.58	3.04	-0.32	8.33E-01	-3.82	1.26E-04	0.37	9.02E-01	M-1
ENSMMUG00000007859	FMNL1	Formin Like 1	0.69	0.52	0.53	0.06	-0.42	8.91E-01	-7.18	5.21E-04	2.41	5.21E-01	M-1
ENSMMUG000000021932	ARHGAP27	Rho GTPase Activating Protein 27	13.37	6.51	1.24	4.09	-1.51	2.79E-01	-3.59	2.81E-03	2.81	9.18E-02	M-1
ENSMMUG000000004129	KANSL1	KAT8 Regulatory NSL Complex Subunit 1	30.48	25.89	11.77	8.99	-0.22	7.52E-01	-1.34	8.42E-03	-0.08	9.68E-01	M-1
ENSMMUG000000017197	BCAS3	BCAS3, Microtubule Associated Cell Migration Factor	11.91	16.88	5.17	6.02	0.38	7.51E-01	-2.14	1.43E-02	0.45	8.37E-01	M-1
ENSMMUG000000023750	MED13	Mediator Complex Subunit 13	112.59	82.17	28.85	22.73	-0.48	4.64E-01	-1.53	4.44E-03	-0.24	8.66E-01	M-1
ENSMMUG00000002167	MRC2	Mannose Receptor C Type 2	3.36	7.95	2.08	0.76	1.75	8.68E-02	-2.14	2.83E-02	-1.79	2.11E-01	M-1
ENSMMUG000000002168	MARCH10	Membrane Associated Ring-CH-type Finger 10	2.32	2.57	0.16	0.09	-0.80	7.69E-01	-5.04	1.16E-02	0.28	9.69E-01	M-1
ENSMMUG000000016755	LIMD2	LIM Domain Containing 2	1.56	1.59	0.22	0.32	-1.40	5.42E-01	-3.93	4.87E-02	0.81	8.74E-01	M-1
ENSMMUG000000016762	DDX42	DEAD-box Helicase 42	53.44	44.91	26.92	16.38	0.05	9.58E-01	-1.34	2.18E-02	0.10	9.63E-01	M-1
ENSMMUG000000017521	TEX2	Testis Expressed 2	142.47	147.62	15.94	9.52	-0.01	9.92E-01	-4.00	7.56E-11	-0.17	9.40E-01	M-1
ENSMMUG000000006317	MILR1	Mast Cell Immunoglobulin Like Receptor 1	2.44	7.89	2.93	1.91	1.82	1.89E-01	-2.79	2.87E-02	-0.96	7.27E-01	M-1
ENSMMUG000000009461	SMURF2	SMAD Specific E3 Ubiquitin Protein Ligase 2	79.48	59.44	13.99	8.78	-0.44	6.39E-01	-2.21	1.67E-03	-0.43	8.07E-01	M-1
ENSMMUG000000018830	LOC718451	Putative Pleckstrin Homology Domain-containing Family M Member 1P	36.91	14.24	0.47	1.44	-2.62	7.73E-02	-4.36	2.64E-03	0.84	8.12E-01	M-1
ENSMMUG000000016371	GNA13	G Protein Subunit Alpha 13	91.49	103.78	30.67	16.43	0.17	8.75E-01	-1.78	1.20E-02	-0.76	5.67E-01	M-1
ENSMMUG000000039558			15.25	13.86	4.71	2.85	-0.43	7.36E-01	-1.92	4.84E-02	-0.05	9.88E-01	M-1
ENSMMUG00000002959	HELZ	Helicase With Zinc Finger	33.07	38.26	15.95	17.40	0.13	8.46E-01	-1.28	3.84E-03	0.23	8.37E-01	M-1
ENSMMUG000000007309	WIPI1	WD Repeat Domain, Phosphoinositide Interacting 1	4.22	1.44	0.70	0.09	-1.41	4.66E-01	-5.45	1.10E-03	-1.06	7.92E-01	M-1
ENSMMUG000000048426			6.02	32.09	0.07	0.05	-1.45	5.27E-01	-9.22	1.29E-06	0.06	9.94E-01	M-1
ENSMMUG000000037823			4.37	4.33	0.05	0.06	0.07	9.81E-01	-7.95	1.28E-05	-1.69	6.84E-01	M-1
ENSMMUG000000001266	COG1	Component Of Oligomeric Golgi Complex 1	7.55	13.99	3.79	3.92	1.21	2.32E-01	-2.64	2.84E-03	-0.23	9.37E-01	M-1
ENSMMUG000000019970	SDK2	Sidekick Cell Adhesion Molecule 2	2.50	1.75	0.08	0.01	-1.13	4.60E-01	-6.43	3.52E-07	-0.51	8.94E-01	M-1
ENSMMUG000000003981	TTYH2	Tweety Family Member 2	10.25	12.44	1.02	0.08	-0.60	7.34E-01	-4.48	3.86E-04	-2.59	1.90E-01	M-1
ENSMMUG000000023406	HID1	HID1 Domain Containing	4.16	7.04	1.26	1.42	-1.14	5.12E-01	-3.13	3.08E-02	0.25	9.62E-01	M-1
ENSMMUG000000022120	TMEM94	Transmembrane Protein 94	7.96	5.19	0.90	2.09	-1.45	1.39E-01	-1.99	3.05E-02	0.43	8.53E-01	M-1
ENSMMUG000000001795	SRP68	Signal Recognition Particle 68	63.97	46.35	14.10	12.15	-0.83	2.58E-01	-1.44	2.74E-02	-0.56	6.78E-01	M-1

ENSMMUG00000045648	MXRA7	Matrix Remodeling Associated 7	1.12	1.46	0.38	0.83	0.37	8.56E-01	-3.65	8.59E-03	2.20	3.17E-01	M-1
ENSMMUG00000022994	SEC14L1	SEC14 Like Lipid Binding 1	52.61	49.05	13.92	5.86	-0.41	6.74E-01	-2.27	1.46E-03	-0.48	7.83E-01	M-1
ENSMMUG00000008239	DNAH17	Dynein Axonemal Heavy Chain 17	7.89	5.36	0.79	0.18	-0.65	5.26E-01	-5.17	2.40E-11	0.10	9.74E-01	M-1
ENSMMUG00000019662	LGALS3BP	Galectin 3 Binding Protein	2.66	0.65	0.04	0.09	-0.91	7.26E-01	-6.18	1.96E-03	3.00	3.71E-01	M-1
ENSMMUG00000009504	C1QTNF1	C1q And TNF Related 1	1.86	2.66	0.19	0.16	-1.56	4.83E-01	-7.34	1.47E-04	1.42	7.56E-01	M-1
ENSMMUG00000016417	CBX8	Chromobox 8	7.25	7.81	0.36	0.58	-0.98	4.52E-01	-3.80	3.11E-04	-0.07	9.86E-01	M-1
ENSMMUG00000005455	RNF213	Ring Finger Protein 213	4.19	2.96	0.51	0.70	-0.92	3.20E-01	-1.68	4.23E-02	-0.63	7.22E-01	M-1
ENSMMUG00000012818	CCDC57	Coiled-coil Domain Containing 57	0.57	1.89	0.24	0.88	1.44	3.68E-01	-3.03	3.26E-02	3.33	8.68E-02	M-1
ENSMMUG00000029768	RAB40B	RAB40B, Member RAS Oncogene Family	6.51	1.62	1.19	0.95	-1.43	2.86E-01	-2.84	2.46E-02	0.91	7.44E-01	M-1
ENSMMUG00000000610	TMEM8A	Transmembrane Protein 8A	4.95	5.51	1.28	1.19	0.13	9.46E-01	-3.43	6.55E-03	0.30	9.46E-01	M-1
ENSMMUG00000014213	CACNA1H	Calcium Voltage-gated Channel Subunit Alpha1 H	2.28	2.05	0.11	0.10	-0.73	6.15E-01	-4.37	7.49E-05	0.66	8.19E-01	M-1
ENSMMUG00000018598	IGFALS	Insulin Like Growth Factor Binding Protein Acid Labile Subunit	15.84	8.01	0.11	0.09	-1.87	1.16E-01	-5.16	2.39E-06	-1.61	4.35E-01	M-1
ENSMMUG00000019242	ABCA3	ATP Binding Cassette Subfamily A Member 3	1.54	0.92	0.08	0.14	-2.77	5.93E-02	-4.09	5.41E-03	-1.34	6.51E-01	M-1
ENSMMUG00000039943	ADCY9	Adenylate Cyclase 9	9.60	4.14	1.16	0.46	-1.37	1.45E-01	-3.28	6.98E-05	0.54	7.97E-01	M-1
ENSMMUG00000007574	SLX4	SLX4 Structure-specific Endonuclease Subunit	6.79	14.43	2.22	2.10	0.42	7.25E-01	-2.36	6.68E-03	-0.31	9.02E-01	M-1
ENSMMUG000000041487	ZNF597	Zinc Finger Protein 597	21.73	22.32	7.19	1.37	0.11	9.28E-01	-3.38	4.36E-06	-0.66	6.88E-01	M-1
ENSMMUG00000017969	MEFV	MEFV, Pysin Innate Immunity Regulator	2.07	3.34	0.55	0.52	-0.77	5.65E-01	-3.19	3.26E-03	-1.82	2.81E-01	M-1
ENSMMUG000000044729	TFAP4	Transcription Factor AP-4	21.90	29.76	3.77	1.57	0.29	8.51E-01	-3.85	1.02E-04	-0.92	6.68E-01	M-1
ENSMMUG00000015758	GLIS2	GLIS Family Zinc Finger 2	36.39	32.13	2.24	0.53	-0.09	9.55E-01	-5.22	7.14E-08	-1.19	5.34E-01	M-1
ENSMMUG00000018631			4.62	3.34	0.12	0.77	-0.60	7.13E-01	-5.41	6.86E-06	1.49	5.10E-01	M-1
ENSMMUG0000001888	MGRN1	Mahogunin Ring Finger 1	32.51	29.33	3.79	5.91	-0.46	7.02E-01	-2.72	2.19E-03	-0.18	9.57E-01	M-1
ENSMMUG00000017822	PPL	Periplakin	12.26	6.30	0.42	1.53	-1.67	6.12E-02	-2.94	3.50E-04	0.32	8.98E-01	M-1
ENSMMUG00000023777	TMEM114	Transmembrane Protein 114	1.01	3.43	0.07	0.00	1.78	5.65E-01	-7.35	4.82E-03	-0.48	9.61E-01	M-1
ENSMMUG000000047806	CARHSP1	Calcium Regulated Heat Stable Protein 1	9.45	7.68	3.52	3.51	0.19	8.82E-01	-1.82	3.18E-02	0.46	8.19E-01	M-1
ENSMMUG000000045537			1.85	19.49	0.99	0.54	3.06	5.40E-02	-7.94	1.41E-06	2.95	2.70E-01	M-1
ENSMMUG00000010142	GRIN2A	Glutamate Ionotropic Receptor NMDA Type Subunit 2A	2.97	1.05	0.02	0.01	-3.02	7.56E-02	-5.64	1.72E-03	-1.03	8.21E-01	M-1
ENSMMUG000000005913	ATF7IP2	Activating Transcription Factor 7 Interacting Protein 2	22.80	18.32	3.80	2.49	-0.73	4.01E-01	-2.25	1.58E-03	0.00	1.00E+00	M-1
ENSMMUG000000006515	CLEC16A	C-type Lectin Domain Containing 16A	4.17	8.09	2.52	3.92	1.24	2.62E-01	-2.45	1.19E-02	1.07	5.57E-01	M-1
ENSMMUG00000022897	SNX29	Sorting Nexin 29	10.95	11.07	2.92	1.67	0.70	5.10E-01	-2.39	5.01E-03	-0.47	8.28E-01	M-1
ENSMMUG000000037564			3.63	3.54	1.03	3.70	0.55	7.42E-01	-2.92	2.13E-02	1.45	5.35E-01	M-1
ENSMMUG00000013837	SHISA9	Shisa Family Member 9	1.98	4.19	0.02	0.00	0.98	7.49E-01	-9.99	1.36E-05	-1.32	8.29E-01	M-1
ENSMMUG00000017379	MKL2	MKL1/myocardin Like 2	39.38	51.53	5.95	13.36	0.18	8.83E-01	-2.85	1.25E-04	0.53	7.71E-01	M-1
ENSMMUG00000002989	NTAN1	N-terminal Asparagine Amidase	333.61	233.18	46.45	24.35	-0.73	3.57E-01	-3.10	1.09E-06	-0.66	6.22E-01	M-1
ENSMMUG00000002984	PDXDC1	Pyridoxal Dependent Decarboxylase Domain Containing 1	21.07	15.48	4.70	5.75	-0.53	6.15E-01	-2.14	9.38E-03	0.18	9.49E-01	M-1
ENSMMUG00000010366	NDE1	NudE Neurodevelopment Protein 1	31.89	24.21	3.25	1.54	-0.30	8.02E-01	-3.72	3.66E-06	-0.46	8.28E-01	M-1
ENSMMUG00000010367	MYH11	Myosin Heavy Chain 11	6.26	6.73	0.53	0.39	-0.07	9.64E-01	-5.16	8.63E-08	0.61	8.05E-01	M-1
ENSMMUG000000005914	ABCC1	ATP Binding Cassette Subfamily C Member 1	20.74	33.54	10.82	5.23	0.12	9.02E-01	-1.66	6.27E-03	-1.24	1.65E-01	M-1
ENSMMUG00000017131	XYLT1	Xylosyltransferase 1	7.33	4.22	0.30	0.78	-0.45	7.99E-01	-4.39	2.59E-04	1.75	4.09E-01	M-1
ENSMMUG00000013329	TMC5	Transmembrane Channel Like 5	2.94	3.16	0.44	0.98	-0.17	8.94E-01	-2.82	4.88E-04	-0.49	8.10E-01	M-1
ENSMMUG000000048230	LOC106994964	Uncharacterized LOC106994964	26.54	6.49	0.07	0.09	-2.23	2.46E-01	-5.54	2.92E-03	-0.45	9.48E-01	M-1

ENSMMUG00000016763	ANKS4B	Ankyrin Repeat And Sterile Alpha Motif Domain Containing 4B	4.13	1.42	0.42	0.11	-1.13	4.91E-01	-6.72	2.56E-06	1.56	5.62E-01	M-1
ENSMMUG00000043703			5.69	2.86	0.11	0.06	-1.12	5.60E-01	-6.87	5.01E-05	0.39	9.50E-01	M-1
ENSMMUG00000017725	EEF2K	Eukaryotic Elongation Factor 2 Kinase	11.83	13.60	2.10	2.14	0.51	6.30E-01	-3.30	2.21E-05	-0.33	8.83E-01	M-1
ENSMMUG00000039788	UBFD1	Ubiquitin Family Domain Containing 1	33.15	15.53	3.16	4.79	-1.03	3.15E-01	-2.20	1.32E-02	0.29	9.10E-01	M-1
ENSMMUG00000005942	LCMT1	Leucine Carboxyl Methyltransferase 1	15.33	13.31	5.25	6.44	0.29	8.22E-01	-2.19	1.53E-02	0.41	8.62E-01	M-1
ENSMMUG00000010470	ZKSCAN2	Zinc Finger With KRAB And SCAN Domains 2	31.01	19.19	1.49	0.29	-1.79	6.49E-02	-3.49	7.23E-05	-1.56	2.78E-01	M-1
ENSMMUG00000039690			0.79	0.57	0.13	0.24	-0.53	8.41E-01	-4.69	1.76E-02	0.33	9.63E-01	M-1
ENSMMUG00000015832			6.11	25.03	5.00	9.20	2.43	7.20E-02	-3.29	1.16E-02	1.31	6.20E-01	M-1
ENSMMUG00000015570	KIAA0556	KIAA0556 Ortholog	1.53	2.75	0.58	1.17	0.81	5.99E-01	-2.65	3.25E-02	0.49	8.83E-01	M-1
ENSMMUG00000003298	ATXN2L	Ataxin 2 Like	219.84	297.32	53.02	35.95	0.42	6.01E-01	-2.86	1.28E-06	-0.23	8.95E-01	M-1
ENSMMUG00000042206			7.31	6.06	5.69	0.43	0.97	5.81E-01	-4.54	1.57E-03	-0.26	9.64E-01	M-1
ENSMMUG00000000982	PPP4C	Protein Phosphatase 4 Catalytic Subunit	45.59	37.88	13.59	18.91	-0.19	8.61E-01	-1.68	2.39E-02	0.30	8.83E-01	M-1
ENSMMUG00000018985	CDIPT	CDP-diacylglycerol--inositol 3-phosphatidyltransferase	6.43	28.02	10.06	9.26	1.87	6.46E-02	-1.96	4.78E-02	0.34	9.02E-01	M-1
ENSMMUG00000038374	KCTD13	Potassium Channel Tetramerization Domain Containing 13	8.74	13.22	1.70	0.32	0.24	8.80E-01	-4.16	2.87E-05	-0.54	8.38E-01	M-1
ENSMMUG00000001121	ZNF689	Zinc Finger Protein 689	8.09	9.01	2.94	1.04	0.47	7.16E-01	-2.29	1.81E-02	-0.71	7.46E-01	M-1
ENSMMUG00000007400	SIAH1	Siah E3 Ubiquitin Protein Ligase 1	61.95	139.47	40.84	13.41	1.16	1.19E-01	-1.88	5.40E-03	-1.30	1.99E-01	M-1
ENSMMUG00000019868	NKD1	Naked Cuticle Homolog 1	16.35	17.09	0.80	0.13	0.02	9.87E-01	-3.94	3.06E-05	-1.95	2.19E-01	M-1
ENSMMUG00000020580	RPGRIP1L	RPGRIP1 Like	7.04	9.21	1.87	2.08	0.57	5.59E-01	-2.32	2.66E-03	-0.13	9.66E-01	M-1
ENSMMUG00000039036	GNAO1	G Protein Subunit Alpha O1	0.89	1.69	0.04	0.03	1.32	4.29E-01	-5.78	3.12E-05	-0.05	9.93E-01	M-1
ENSMMUG00000038955	NUDT21	Nudix Hydrolase 21	39.41	70.09	26.04	28.38	1.22	1.98E-01	-1.84	3.48E-02	0.47	8.20E-01	M-1
ENSMMUG00000017563	CETP	Cholesteryl Ester Transfer Protein	2.72	1.16	0.02	0.01	-2.80	2.81E-01	-8.51	3.15E-04	-1.89	7.32E-01	M-1
ENSMMUG00000020350	CPNE2	Copine 2	40.30	26.18	8.12	12.47	-0.69	5.96E-01	-2.87	4.27E-03	1.54	3.54E-01	M-1
ENSMMUG00000013492	FAM192A	Family With Sequence Similarity 192 Member A	50.86	63.01	14.43	13.28	-0.03	9.79E-01	-2.33	2.54E-03	-0.27	9.05E-01	M-1
ENSMMUG00000015692	DRC7	Dynein Regulatory Complex Subunit 7	3.40	1.91	0.07	0.09	-1.38	2.30E-01	-4.53	1.13E-05	-0.62	8.15E-01	M-1
ENSMMUG00000018340	CNGB1	Cyclic Nucleotide Gated Channel Beta 1	3.04	1.28	0.08	0.03	-1.19	5.59E-01	-5.16	1.66E-03	0.33	9.57E-01	M-1
ENSMMUG00000018491			74.52	120.64	76.46	57.02	1.08	1.22E-01	-1.45	2.62E-02	-0.30	8.58E-01	M-1
ENSMMUG00000023525	CDH5	Cadherin 5	4.34	4.63	0.32	0.81	-0.24	9.13E-01	-6.87	3.35E-07	3.59	5.59E-02	M-1
ENSMMUG00000008034	HSD11B2	Hydroxysteroid 11-beta Dehydrogenase 2	5.60	0.48	0.20	0.54	-2.32	2.19E-01	-3.76	4.23E-02	2.30	4.56E-01	M-1
ENSMMUG00000029105	ATP6VOD1	ATPase H+ Transporting VO Subunit D1	25.19	19.32	13.61	11.35	-0.36	8.02E-01	-2.98	2.40E-03	2.12	1.35E-01	M-1
ENSMMUG00000017105	RIPOR1	RHO Family Interacting Cell Polarization Regulator 1	23.29	35.31	0.96	0.99	0.72	6.23E-01	-5.83	3.65E-08	1.42	4.84E-01	M-1
ENSMMUG00000007802	CENPT	Centromere Protein T	4.18	4.85	1.41	1.49	-0.31	7.98E-01	-1.91	2.98E-02	-0.57	7.75E-01	M-1
ENSMMUG00000029101			2.73	1.32	0.17	0.68	-1.73	2.97E-01	-3.29	2.94E-02	3.75	6.10E-02	M-1
ENSMMUG00000019496	SMPD3	Sphingomyelin Phosphodiesterase 3	60.10	25.54	5.98	0.73	-1.27	2.48E-01	-4.04	1.19E-05	-1.83	2.07E-01	M-1
ENSMMUG00000010393	CDH3	Cadherin 3	111.86	72.73	17.70	6.36	-0.30	7.47E-01	-2.80	1.22E-05	-1.23	2.24E-01	M-1
ENSMMUG00000020415	IL34	Interleukin 34	23.49	8.10	2.32	0.34	-0.85	4.80E-01	-3.53	2.30E-04	-1.02	5.99E-01	M-1
ENSMMUG00000020416			1.50	27.80	5.08	4.48	2.71	5.61E-02	-2.77	4.65E-02	0.09	9.86E-01	M-1
ENSMMUG00000016717	PKD1L3	Polycystin 1 Like 3, Transient Receptor Potential Channel Interacting	10.71	30.40	2.12	0.56	0.78	5.59E-01	-4.99	5.71E-07	-0.46	8.73E-01	M-1
ENSMMUG00000009688	IST1	IST1, ESCRT-III Associated Factor	10.33	27.41	7.97	10.22	1.46	1.26E-01	-2.04	2.15E-02	0.53	8.02E-01	M-1
ENSMMUG00000016716	ZNF821	Zinc Finger Protein 821	6.53	2.70	0.42	0.30	-0.90	5.27E-01	-3.74	1.33E-03	0.13	9.76E-01	M-1
ENSMMUG00000048077	ATXN1L	Ataxin 1 Like	20.08	21.98	6.40	4.79	0.25	7.97E-01	-2.18	1.15E-03	-0.30	8.73E-01	M-1

ENSMMUG00000023147	PDPR	Pyruvate Dehydrogenase Phosphatase Regulatory Subunit	25.61	10.35	3.28	3.75	-1.76	7.98E-02	-2.38	1.17E-02	0.29	9.17E-01	M-1
ENSMMUG00000008378	MLKL	Mixed Lineage Kinase Domain Like Pseudokinase	8.98	9.00	0.16	0.07	-0.80	5.84E-01	-6.34	6.83E-08	-0.56	8.65E-01	M-1
ENSMMUG00000001564	TMEM231	Transmembrane Protein 231	5.15	2.09	1.48	0.85	-1.00	3.38E-01	-2.06	2.35E-02	-0.60	7.78E-01	M-1
ENSMMUG00000005756	TERF2IP	TERF2 Interacting Protein	27.55	38.72	14.26	4.89	0.58	5.84E-01	-2.11	1.21E-02	0.26	9.18E-01	M-1
ENSMMUG00000000824	ADAMTS18	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 18	9.69	3.69	0.54	0.11	-1.48	2.86E-01	-3.53	3.70E-03	-1.06	7.01E-01	M-1
ENSMMUG00000010610	WWOX	WW Domain Containing Oxidoreductase	6.51	2.85	1.50	0.99	-1.21	3.91E-01	-3.70	1.96E-03	0.60	8.49E-01	M-1
ENSMMUG000000037756			1.37	1.25	0.05	0.11	-1.52	5.52E-01	-5.09	2.13E-02	1.23	8.23E-01	M-1
ENSMMUG00000047071	BCO1	Beta-carotene Oxygenase 1	10.96	8.39	1.04	1.70	-0.88	4.95E-01	-4.21	4.04E-05	2.16	1.66E-01	M-1
ENSMMUG000000020372	SDR42E1	Short Chain Dehydrogenase/reductase Family 42E, Member 1	1.27	1.37	0.23	1.31	0.80	7.30E-01	-3.97	2.69E-02	4.21	7.98E-02	M-1
ENSMMUG000000020114	CDH13	Cadherin 13	5.13	2.97	0.77	0.09	-1.26	4.97E-01	-4.82	1.47E-03	1.01	7.85E-01	M-1
ENSMMUG000000029070	SLC38A8	Solute Carrier Family 38 Member 8	0.78	1.65	0.02	0.03	0.12	9.73E-01	-5.73	2.20E-02	1.49	8.06E-01	M-1
ENSMMUG000000008568	DNAAF1	Dynein Axonemal Assembly Factor 1	9.99	3.38	0.13	0.11	-1.70	3.68E-01	-5.02	1.72E-03	0.53	9.12E-01	M-1
ENSMMUG000000008569	TAF1C	TATA-box Binding Protein Associated Factor, RNA Polymerase I Subunit C	2.43	5.21	1.37	0.93	1.25	3.68E-01	-4.19	2.41E-04	1.12	6.42E-01	M-1
ENSMMUG000000019188	ADAD2	Adenosine Deaminase Domain Containing 2	4.21	0.57	0.07	0.03	-2.67	1.14E-01	-3.75	2.58E-02	-0.59	9.03E-01	M-1
ENSMMUG000000013542	ATP2C2	ATPase Secretory Pathway Ca2+ Transporting 2	15.99	8.60	0.71	0.21	-1.20	3.68E-01	-5.66	1.62E-07	1.41	5.00E-01	M-1
ENSMMUG000000008125	IRF8	Interferon Regulatory Factor 8	51.30	20.12	2.35	0.23	-1.63	1.57E-01	-3.36	1.07E-03	-1.59	3.72E-01	M-1
ENSMMUG000000017615	ZCCHC14	Zinc Finger CCHC-type Containing 14	21.52	23.23	4.49	2.09	-0.09	9.43E-01	-2.60	1.13E-03	0.17	9.51E-01	M-1
ENSMMUG000000022867	KLHDC4	Kelch Domain Containing 4	8.36	10.21	5.19	5.70	0.04	9.64E-01	-1.20	3.95E-02	0.21	8.97E-01	M-1
ENSMMUG000000009473	BANP	BTG3 Associated Nuclear Protein	29.77	12.38	5.25	4.39	-1.46	1.37E-01	-1.87	4.30E-02	-0.44	8.52E-01	M-1
ENSMMUG000000003485	RNMT	RNA Guanine-7 Methyltransferase	47.56	41.36	25.55	19.06	0.13	8.52E-01	-1.06	2.41E-02	-0.31	7.72E-01	M-1
ENSMMUG000000000768	PTPRM	Protein Tyrosine Phosphatase, Receptor Type M	31.18	17.48	3.42	0.86	-1.16	1.75E-01	-2.21	3.90E-03	-1.76	1.02E-01	M-1
ENSMMUG000000014506	ARHGAP28	Rho GTPase Activating Protein 28	4.52	4.57	2.72	0.44	0.23	9.09E-01	-5.20	2.88E-05	2.50	2.03E-01	M-1
ENSMMUG000000047427			2.75	2.60	0.06	0.03	0.29	9.13E-01	-5.58	1.89E-03	-1.17	8.04E-01	M-1
ENSMMUG000000019892	MYOM1	Myomesin 1	1.39	1.79	0.49	0.11	0.44	8.28E-01	-3.00	3.88E-02	-1.01	7.56E-01	M-1
ENSMMUG000000043548	LOC106994438	Uncharacterized LOC106994438	8.48	10.20	0.15	0.03	-0.51	8.02E-01	-6.07	6.44E-05	-1.58	6.24E-01	M-1
ENSMMUG000000004660	USP14	Ubiquitin Specific Peptidase 14	44.38	45.89	26.64	27.15	0.11	8.96E-01	-1.18	3.75E-02	0.36	7.82E-01	M-1
ENSMMUG000000003974	GREB1L	Growth Regulation By Estrogen In Breast Cancer 1 Like	8.39	7.38	2.14	3.21	0.10	9.48E-01	-2.37	1.37E-02	1.79	2.09E-01	M-1
ENSMMUG000000012987	ESCO1	Establishment Of Sister Chromatid Cohesion N-acetyltransferase 1	36.70	35.50	16.99	11.80	0.07	9.29E-01	-1.57	1.22E-03	0.26	8.38E-01	M-1
ENSMMUG000000041127			36.61	15.49	1.54	0.24	-2.67	7.06E-02	-4.03	5.16E-03	-0.91	8.12E-01	M-1
ENSMMUG000000021480	WDR98	WD Repeat Domain 98	95.73	45.25	11.16	6.95	-0.76	4.12E-01	-2.86	1.33E-04	-0.09	9.75E-01	M-1
ENSMMUG000000004343	TTC39C	Tetratricopeptide Repeat Domain 39C	5.99	2.52	0.28	0.18	-1.26	2.10E-01	-2.86	1.42E-03	-0.77	7.10E-01	M-1
ENSMMUG000000004346	CABYR	Calcium Binding Tyrosine Phosphorylation Regulated	133.44	149.79	34.91	6.87	0.07	9.49E-01	-3.25	1.32E-06	-1.37	1.95E-01	M-1
ENSMMUG000000008600	ZNF521	Zinc Finger Protein 521	1.50	0.38	0.01	0.02	-2.33	8.12E-02	-5.51	6.53E-05	2.01	4.36E-01	M-1
ENSMMUG0000000038139			10.47	5.95	0.60	0.19	-1.46	5.86E-01	-5.25	1.74E-02	1.92	6.90E-01	M-1
ENSMMUG000000011801	CHST9	Carbohydrate Sulfotransferase 9	8.23	3.29	0.39	0.08	-1.79	1.71E-01	-3.89	9.92E-04	-0.47	8.96E-01	M-1

ENSMMUG00000018006	TRAPPC8	Trafficking Protein Particle Complex 8	81.30	76.26	30.10	24.13	-0.43	6.27E-01	-1.66	1.49E-02	0.47	7.63E-01	M-1
ENSMMUG00000014451	ASXL3	Additional Sex Combs Like 3, Transcriptional Regulator	7.97	4.87	0.60	0.07	-0.93	5.16E-01	-4.59	3.89E-05	-1.35	5.37E-01	M-1
ENSMMUG00000017276	NOL4	Nucleolar Protein 4	4.65	3.80	0.84	0.33	-0.46	7.59E-01	-2.48	2.38E-02	0.44	8.87E-01	M-1
ENSMMUG00000003302	DTNA	Dystrobrevin Alpha	3.90	2.64	0.05	0.16	-0.88	6.06E-01	-5.40	6.00E-05	1.20	6.84E-01	M-1
ENSMMUG00000018784	SLC39A6	Solute Carrier Family 39 Member 6	15.28	8.14	2.13	0.95	-0.82	3.60E-01	-2.15	4.28E-03	-1.01	4.52E-01	M-1
ENSMMUG00000041664			0.67	2.78	0.43	0.03	2.17	2.59E-01	-5.21	2.64E-03	-1.55	6.86E-01	M-1
ENSMMUG00000038452			60.27	88.74	23.10	0.58	0.01	9.95E-01	-5.87	1.18E-09	-1.27	5.11E-01	M-1
ENSMMUG00000040513			179.73	172.45	80.65	36.15	-0.12	8.84E-01	-1.64	1.94E-03	-0.55	5.99E-01	M-1
ENSMMUG00000002742	ST8SIA5	ST8 Alpha-N-acetylneuraminidase Alpha-2,8-sialyltransferase 5	2.22	4.10	0.13	0.05	0.08	9.83E-01	-7.64	1.24E-03	-0.42	9.63E-01	M-1
ENSMMUG00000007816	SMAD2	SMAD Family Member 2	166.20	62.76	31.90	18.42	-1.08	1.04E-01	-1.51	1.47E-02	-0.30	8.52E-01	M-1
ENSMMUG00000022472	MRO	Maestro	2.47	1.32	0.79	0.37	-0.29	8.77E-01	-3.11	1.47E-02	1.21	6.32E-01	M-1
ENSMMUG00000013999	DCC	DCC Netrin 1 Receptor	2.24	1.35	0.41	0.04	-2.15	1.64E-01	-3.67	1.32E-02	-2.98	1.79E-01	M-1
ENSMMUG00000038563			4.73	4.21	0.05	0.02	-1.23	4.31E-01	-6.19	7.75E-06	-1.40	6.47E-01	M-1
ENSMMUG00000002431	RNF152	Ring Finger Protein 152	1.47	1.33	0.46	0.05	-0.82	6.37E-01	-4.63	4.00E-04	0.78	8.14E-01	M-1
ENSMMUG00000004434	ZCCHC2	Zinc Finger CCHC-type Containing 2	79.52	53.94	14.15	6.98	-0.69	4.45E-01	-2.49	6.61E-04	-0.30	8.86E-01	M-1
ENSMMUG00000021184	VPS4B	Vacuolar Protein Sorting 4 Homolog B	18.52	26.63	23.51	12.68	0.59	3.39E-01	-1.19	2.62E-02	0.06	9.76E-01	M-1
ENSMMUG00000014182	SERPINB5	Serpin Family B Member 5	0.84	2.46	0.13	0.18	0.32	8.45E-01	-2.41	4.36E-02	-0.91	7.51E-01	M-1
ENSMMUG00000018275	DOK6	Docking Protein 6	3.82	1.17	0.58	0.05	-2.34	7.77E-02	-5.04	5.33E-05	1.54	5.32E-01	M-1
ENSMMUG00000020595	NETO1	Neuropilin And Tolloid Like 1	129.26	140.62	24.58	0.47	-0.43	7.47E-01	-5.78	8.84E-11	-1.76	2.25E-01	M-1
ENSMMUG00000011329	ZNF236	Zinc Finger Protein 236	14.61	18.47	6.76	5.58	0.17	8.27E-01	-2.19	3.11E-05	0.44	7.15E-01	M-1
ENSMMUG00000011333	MBP	Myelin Basic Protein	44.85	15.60	2.28	0.24	-1.16	3.15E-01	-3.98	3.76E-05	-2.25	1.28E-01	M-1
ENSMMUG00000032486	KCNQ2	Potassium Voltage-gated Channel Modifier Subfamily G Member 2	0.73	0.51	0.12	0.02	0.36	8.75E-01	-4.41	6.22E-03	-1.27	7.42E-01	M-1
ENSMMUG00000039029	PARD6G	Par-6 Family Cell Polarity Regulator Gamma	8.26	7.48	1.21	0.43	-0.05	9.79E-01	-3.64	9.15E-04	0.21	9.60E-01	M-1
ENSMMUG00000002847	REXO1	RNA Exonuclease 1 Homolog	29.58	12.65	3.63	4.18	-0.91	4.10E-01	-2.19	1.89E-02	-0.63	7.68E-01	M-1
ENSMMUG00000006620	CSNK1G2	Casein Kinase 1 Gamma 2	28.98	15.63	5.04	5.64	-0.31	8.01E-01	-2.41	4.03E-03	0.10	9.74E-01	M-1
ENSMMUG00000006618	BTBD2	BTB Domain Containing 2	3.69	3.61	1.67	2.00	-0.13	9.46E-01	-2.94	1.34E-02	1.08	6.55E-01	M-1
ENSMMUG00000001190	TMPPRSS9	Transmembrane Protease, Serine 9	2.29	1.57	0.13	0.21	-1.85	2.11E-01	-3.51	9.74E-03	2.57	2.00E-01	M-1
ENSMMUG00000002913	TLE2	Transducin Like Enhancer Of Split 2	10.89	4.92	0.52	0.76	-1.12	1.92E-01	-4.29	4.58E-09	0.40	8.44E-01	M-1
ENSMMUG00000003439	NFIC	Nuclear Factor I C	3.96	7.81	0.46	0.60	0.33	8.50E-01	-2.96	1.12E-02	-0.01	9.98E-01	M-1
ENSMMUG00000008137	PIP5K1C	Phosphatidylinositol-4-phosphate 5-kinase Type 1 Gamma	5.22	3.73	1.77	1.87	-0.49	6.56E-01	-1.85	2.97E-02	0.04	9.92E-01	M-1
ENSMMUG00000047828	RAX2	Retina And Anterior Neural Fold Homeobox 2	1.64	2.23	0.03	0.04	-0.57	8.46E-01	-6.50	1.84E-03	0.09	9.92E-01	M-1
ENSMMUG00000037697			5.36	4.84	0.29	0.21	-1.06	7.11E-01	-5.99	8.44E-03	1.67	7.51E-01	M-1
ENSMMUG00000022765	DAPK3	Death Associated Protein Kinase 3	6.59	7.83	2.15	2.14	-0.80	5.54E-01	-2.66	1.61E-02	-0.43	8.90E-01	M-1
ENSMMUG00000019954			8.85	21.32	4.49	0.51	1.96	5.59E-02	-4.90	1.11E-07	-2.41	6.96E-02	M-1
ENSMMUG00000016706	CHAF1A	Chromatin Assembly Factor 1 Subunit A	108.87	55.65	17.12	9.48	-0.98	7.77E-02	-1.52	2.98E-03	-0.70	4.36E-01	M-1
ENSMMUG00000012705	UHRF1	Ubiquitin Like With PHD And Ring Finger Domains 1	171.08	174.18	7.62	3.74	-0.46	6.35E-01	-5.04	3.08E-13	-0.56	7.39E-01	M-1
ENSMMUG00000011967	RFX2	Regulatory Factor X2	1.25	3.45	0.18	0.12	-0.15	9.43E-01	-4.15	2.32E-03	-0.91	7.80E-01	M-1
ENSMMUG00000005697	MLLT1	MLLT1, Super Elongation Complex Subunit	12.68	11.59	2.95	3.51	0.06	9.63E-01	-2.32	2.17E-03	0.74	6.34E-01	M-1
ENSMMUG00000005698	ACER1	Alkaline Ceramidase 1	0.73	9.31	0.11	0.25	2.05	2.21E-01	-6.95	2.04E-06	3.73	6.96E-02	M-1
ENSMMUG00000028914	CLPP	Caseinolytic Mitochondrial Matrix Peptidase Proteolytic Subunit	18.86	42.79	12.64	13.75	0.90	3.15E-01	-1.98	1.09E-02	0.63	7.07E-01	M-1

ENSMMUG0000007904	GTF2F1	General Transcription Factor IIF Subunit 1	17.71	48.23	16.08	10.85	1.64	8.14E-02	-2.27	1.01E-02	-0.14	9.67E-01	M-1
ENSMMUG0000005597			29.81	44.49	24.37	23.00	0.66	3.21E-01	-1.23	3.63E-02	0.01	9.96E-01	M-1
ENSMMUG0000005600	DENND1C	DENN Domain Containing 1C	70.45	129.01	8.17	1.74	0.48	6.97E-01	-3.95	5.00E-06	-2.24	6.91E-02	M-1
ENSMMUG00000019314	VAV1	Vav Guanine Nucleotide Exchange Factor 1	7.38	6.63	0.36	0.34	-0.32	8.80E-01	-4.80	5.23E-04	0.13	9.80E-01	M-1
ENSMMUG00000011389	MCOLN1	Mucolipin 1	13.17	8.89	2.55	1.90	-0.73	4.00E-01	-1.77	1.72E-02	-0.17	9.46E-01	M-1
ENSMMUG00000014032			76.51	103.05	15.34	0.68	0.36	7.95E-01	-4.80	1.15E-07	-1.74	2.37E-01	M-1
ENSMMUG0000006540	SNAPC2	Small Nuclear RNA Activating Complex Polypeptide 2	6.48	13.00	1.88	1.54	0.87	5.68E-01	-3.02	1.35E-02	0.22	9.62E-01	M-1
ENSMMUG00000014604	DNMT1	DNA Methyltransferase 1	#####	#####	66.57	7.85	0.01	9.92E-01	-5.29	1.58E-14	-1.55	1.54E-01	M-1
ENSMMUG00000014896	ICAM1	Intercellular Adhesion Molecule 1	13.25	7.71	0.34	0.19	-1.81	1.55E-01	-5.89	1.13E-06	0.14	9.74E-01	M-1
ENSMMUG00000019718	ICAM3	Intercellular Adhesion Molecule 3	1.14	3.08	0.40	0.27	0.52	8.13E-01	-4.07	8.59E-03	0.87	8.20E-01	M-1
ENSMMUG00000011951	KRI1	KRI1 Homolog	3.09	17.04	8.65	5.40	2.10	5.12E-02	-2.43	1.87E-02	0.01	9.99E-01	M-1
ENSMMUG00000018981	C19H19orf38	Chromosome 19 Open Reading Frame, Human C19orf38	7.04	5.41	0.14	0.09	-1.90	2.22E-01	-5.40	1.51E-04	-1.32	6.80E-01	M-1
ENSMMUG00000009334	DOCK6	Dedicator Of Cytokinesis 6	4.72	7.15	1.07	4.65	0.26	8.32E-01	-3.01	2.50E-04	2.00	8.40E-02	M-1
ENSMMUG00000016505	CCDC151	Coiled-coil Domain Containing 151	1.10	1.36	0.04	0.01	-0.16	9.49E-01	-6.38	1.78E-04	-1.43	7.17E-01	M-1
ENSMMUG00000005860			85.53	37.70	3.24	5.21	-1.07	3.40E-01	-3.81	6.29E-05	0.40	8.91E-01	M-1
ENSMMUG00000013569			66.04	28.29	3.75	2.79	-1.49	9.01E-02	-3.52	8.38E-06	0.26	9.15E-01	M-1
ENSMMUG00000014351	ZNF136	Zinc Finger Protein 136	31.62	16.64	4.76	4.05	-0.94	2.17E-01	-2.29	5.02E-04	0.10	9.68E-01	M-1
ENSMMUG00000005235	LOC717463	Zinc Finger Protein 442	2.38	7.32	0.69	1.14	0.96	5.09E-01	-3.00	1.17E-02	0.87	7.47E-01	M-1
ENSMMUG00000017645	ZSWIM4	Zinc Finger SWIM-type Containing 4	9.45	5.20	0.13	0.13	-0.56	6.86E-01	-5.54	6.37E-08	-0.39	9.04E-01	M-1
ENSMMUG00000008320	CC2D1A	Coiled-coil And C2 Domain Containing 1A	1.41	1.50	0.43	1.21	1.15	5.05E-01	-3.31	2.05E-02	1.81	4.68E-01	M-1
ENSMMUG00000008326	DCAF15	DDB1 And CUL4 Associated Factor 15	14.27	14.33	2.91	7.12	-0.18	9.18E-01	-2.38	4.04E-02	1.33	5.19E-01	M-1
ENSMMUG00000013538	IL27RA	Interleukin 27 Receptor Subunit Alpha	8.10	2.51	0.14	0.18	-1.58	2.03E-01	-5.54	4.42E-07	1.89	3.04E-01	M-1
ENSMMUG00000042544			9.71	6.61	0.33	0.20	-1.40	3.75E-01	-3.96	4.13E-03	-2.28	3.22E-01	M-1
ENSMMUG00000045865	C19H19orf67	Chromosome 19 Open Reading Frame, Human C19orf67	20.13	10.44	1.61	0.24	-2.21	1.66E-01	-4.32	3.42E-03	-0.65	8.81E-01	M-1
ENSMMUG00000014135	ASF1B	Anti-silencing Function 1B Histone Chaperone	14.40	7.37	0.92	3.65	-0.77	4.87E-01	-3.96	5.76E-06	0.73	7.21E-01	M-1
ENSMMUG00000014137	ADGRL1	Adhesion G Protein-coupled Receptor L1	4.58	6.00	3.59	2.80	0.57	5.70E-01	-1.70	3.61E-02	0.43	8.29E-01	M-1
ENSMMUG00000017906	DNAJB1	DnaJ Heat Shock Protein Family (Hsp40) Member B1	102.84	139.67	46.15	18.45	0.77	2.41E-01	-2.71	6.05E-07	-0.89	3.41E-01	M-1
ENSMMUG00000021382	BRD4	Bromodomain Containing 4	42.66	77.86	31.08	29.07	0.73	1.95E-01	-1.31	9.33E-03	-0.11	9.52E-01	M-1
ENSMMUG00000014026	AP1M1	Adaptor Related Protein Complex 1 Mu 1 Subunit	7.49	5.49	9.30	0.50	-0.51	7.60E-01	-4.40	1.84E-04	-0.44	9.00E-01	M-1
ENSMMUG00000028855			37.78	9.81	3.64	0.82	-2.21	1.00E-01	-2.66	4.07E-02	-2.85	1.04E-01	M-1
ENSMMUG00000016231	DDA1	DET1 And DDB1 Associated 1	82.62	124.45	28.54	17.40	0.67	4.78E-01	-2.60	4.69E-04	-0.50	7.84E-01	M-1
ENSMMUG00000005829	BST2	Bone Marrow Stromal Cell Antigen 2	0.43	1.49	0.82	0.06	-0.06	9.86E-01	-4.74	3.86E-02	3.74	2.90E-01	M-1
ENSMMUG00000022742	MAP1S	Microtubule Associated Protein 1S	12.92	14.97	5.45	2.49	-0.03	9.81E-01	-1.83	2.28E-02	-0.34	8.74E-01	M-1
ENSMMUG00000007401	ARRDC2	Arrestin Domain Containing 2	1.53	4.23	1.04	0.12	1.57	2.96E-01	-2.70	4.85E-02	-2.38	2.57E-01	M-1
ENSMMUG00000039364	LOC698090	Zinc Finger Protein 681	62.07	67.21	28.94	16.73	-0.01	9.91E-01	-1.74	4.01E-03	0.25	8.86E-01	M-1
ENSMMUG00000018351	CEP89	Centrosomal Protein 89	11.84	19.32	4.73	5.21	1.03	2.89E-01	-2.04	1.72E-02	-0.40	8.54E-01	M-1
ENSMMUG00000006126	LOC704229	Aldose Reductase-like	3.11	0.61	0.18	0.13	-2.55	8.01E-02	-3.14	3.99E-02	-0.47	9.14E-01	M-1
ENSMMUG00000015744	ZNF302	Zinc Finger Protein 302	7.95	9.98	2.06	1.41	0.43	7.09E-01	-2.28	6.62E-03	-0.51	8.03E-01	M-1
ENSMMUG00000006440	ZNF599	Zinc Finger Protein 599	3.10	5.03	0.17	0.21	0.82	6.27E-01	-5.84	3.98E-06	0.87	7.96E-01	M-1
ENSMMUG00000002381	KMT2B	Lysine Methyltransferase 2B	16.23	15.05	4.47	4.35	0.00	9.99E-01	-2.15	9.80E-04	0.42	7.96E-01	M-1

ENSMMUG00000002386	LIN37	Lin-37 DREAM MuvB Core Complex Component	9.66	14.05	3.73	3.69	0.50	7.03E-01	-2.11	3.61E-02	-0.68	7.65E-01	M-1
ENSMMUG00000002389	HSPB6	Heat Shock Protein Family B (small) Member 6	1.01	0.91	0.03	0.04	-1.66	4.18E-01	-4.82	1.53E-02	0.51	9.38E-01	M-1
ENSMMUG000000019701			4.40	6.98	0.48	0.75	-0.05	9.78E-01	-4.59	1.30E-05	0.83	7.37E-01	M-1
ENSMMUG000000014214	LOC713619	Zinc Finger Protein 420	26.15	10.77	3.31	0.99	-0.79	5.01E-01	-2.54	7.38E-03	-1.06	5.54E-01	M-1
ENSMMUG00000001930	ZNF607	Zinc Finger Protein 607	7.10	2.04	0.33	0.55	-1.97	9.21E-02	-2.93	7.74E-03	-0.07	9.86E-01	M-1
ENSMMUG000000020468			2.11	7.18	2.21	4.27	0.97	4.63E-01	-2.44	3.10E-02	2.25	1.56E-01	M-1
ENSMMUG00000002897	RYR1	Ryanodine Receptor 1	0.96	2.89	0.14	0.10	1.85	1.31E-01	-4.98	3.29E-06	-1.19	5.91E-01	M-1
ENSMMUG000000021630	MAP4K1	Mitogen-activated Protein Kinase Kinase Kinase 1	0.64	1.64	0.93	0.34	2.07	2.55E-01	-3.80	1.90E-02	1.20	7.39E-01	M-1
ENSMMUG00000006431	CAPN12	Calpain 12	1.43	1.14	0.06	0.21	0.26	9.12E-01	-5.64	1.81E-04	1.35	6.80E-01	M-1
ENSMMUG00000005552	PAF1	PAF1 Homolog, Paf1/RNA Polymerase II Complex Component	15.51	37.34	14.96	10.04	1.15	1.24E-01	-1.41	4.65E-02	-0.47	7.68E-01	M-1
ENSMMUG000000019372	SUPT5H	SPT5 Homolog, DSIF Elongation Factor Subunit	12.36	35.40	10.19	6.98	1.19	5.91E-02	-1.77	2.58E-03	-0.70	5.23E-01	M-1
ENSMMUG000000019093	DLL3	Delta Like Canonical Notch Ligand 3	1.39	0.79	0.38	0.03	-0.95	6.92E-01	-4.43	2.17E-02	-0.27	9.69E-01	M-1
ENSMMUG000000020685	SERTAD3	SERTA Domain Containing 3	53.88	124.77	23.39	11.76	1.11	3.11E-01	-2.50	8.15E-03	-0.17	9.62E-01	M-1
ENSMMUG000000001196	CYP2F1	Cytochrome P450, Family 2, Subfamily F, Polypeptide 6	48.38	162.85	6.41	1.90	1.67	1.26E-01	-5.60	2.18E-09	-0.65	7.85E-01	M-1
ENSMMUG000000008143	CCDC97	Coiled-coil Domain Containing 97	19.18	28.80	6.01	8.46	1.03	3.57E-01	-2.40	1.17E-02	0.45	8.53E-01	M-1
ENSMMUG000000013426			24.19	14.73	1.84	0.16	-1.00	5.16E-01	-4.50	2.63E-04	-2.46	2.27E-01	M-1
ENSMMUG000000017427	ATP1A3	ATPase Na+/K+ Transporting Subunit Alpha 3	1.33	2.16	0.42	0.21	-0.85	5.40E-01	-3.88	9.68E-04	0.14	9.74E-01	M-1
ENSMMUG000000013374	ZNF574	Zinc Finger Protein 574	23.50	43.08	15.78	5.11	1.00	1.29E-01	-1.64	5.95E-03	-1.30	1.28E-01	M-1
ENSMMUG000000021062			5.81	4.98	0.60	0.12	-1.43	4.29E-01	-4.19	7.04E-03	-2.45	3.67E-01	M-1
ENSMMUG000000004467	XRCC1	X-ray Repair Cross Complementing 1	43.97	33.92	8.92	9.15	0.13	9.05E-01	-3.20	1.79E-06	1.08	3.49E-01	M-1
ENSMMUG000000012801	ZNF235	Zinc Finger Protein 235	18.15	7.52	2.05	0.67	-0.96	3.78E-01	-2.40	9.69E-03	-1.68	2.36E-01	M-1
ENSMMUG000000014430	FOSB	FosB Proto-oncogene, AP-1 Transcription Factor Subunit	2.90	8.09	0.74	0.07	-0.33	8.99E-01	-5.87	1.06E-03	-3.68	1.51E-01	M-1
ENSMMUG000000011716	RTN2	Reticulon 2	0.71	2.55	0.51	0.36	1.26	2.41E-01	-2.36	1.51E-02	-1.10	5.43E-01	M-1
ENSMMUG000000021360	FBXO46	F-box Protein 46	1.23	2.31	1.68	1.38	1.88	2.61E-01	-3.29	3.01E-02	2.19	3.79E-01	M-1
ENSMMUG000000049025	BHMG1	Basic Helix-loop-helix And HMG-box Containing 1	1.77	0.76	0.02	0.06	-1.87	3.47E-01	-4.20	2.48E-02	0.74	8.90E-01	M-1
ENSMMUG000000011330	NPAS1	Neuronal PAS Domain Protein 1	29.39	15.05	2.31	0.41	-0.82	5.76E-01	-4.92	1.22E-05	-0.61	8.43E-01	M-1
ENSMMUG000000009275	DHX34	DEXH-box Helicase 34	5.26	3.12	0.68	0.64	-1.46	1.93E-01	-3.70	1.73E-04	0.26	9.39E-01	M-1
ENSMMUG000000014729	ZNF541	Zinc Finger Protein 541	4.76	2.65	0.12	0.57	-1.47	2.73E-01	-5.20	8.52E-06	2.10	2.67E-01	M-1
ENSMMUG000000019356	BICRA	BRD4 Interacting Chromatin Remodeling Complex Associated Protein	4.66	3.18	0.48	0.93	-1.06	3.57E-01	-2.65	7.03E-03	0.57	8.13E-01	M-1
ENSMMUG000000040121	EHD2	EH Domain Containing 2	9.34	16.92	3.90	0.25	-0.91	5.38E-01	-2.52	3.85E-02	-1.41	5.16E-01	M-1
ENSMMUG000000000047	SULT2A1	Sulfotransferase Family 2A Member 1	3.45	1.28	0.06	0.08	-1.82	1.82E-01	-4.15	1.38E-03	-1.40	5.94E-01	M-1
ENSMMUG000000013072	KDEL1	KDEL Endoplasmic Reticulum Protein Retention Receptor 1	7.94	9.34	3.24	7.11	0.07	9.52E-01	-1.83	1.78E-02	1.04	4.34E-01	M-1
ENSMMUG000000005983	GRIN2D	Glutamate Ionotropic Receptor NMDA Type Subunit 2D	0.94	3.42	0.15	0.15	2.30	1.62E-01	-4.80	1.15E-03	-0.28	9.61E-01	M-1
ENSMMUG000000022155	SULT2B1	Sulfotransferase Family 2B Member 1	0.93	0.39	0.92	0.02	-2.68	4.07E-01	-21.35	2.15E-16	2.37	7.01E-01	M-1
ENSMMUG000000019738	LOC722582	Galactoside 2-alpha-L-fucosyltransferase 2	4.38	52.06	0.09	0.05	1.51	5.46E-01	-10.13	2.93E-07	2.28	5.62E-01	M-1
ENSMMUG000000018415	RASIP1	Ras Interacting Protein 1	3.99	2.57	0.15	0.10	-0.26	9.03E-01	-4.97	2.37E-04	-0.41	9.24E-01	M-1

ENSMMUG00000009223	PPP1R15A	Protein Phosphatase 1 Regulatory Subunit 15A	6.21	18.26	2.50	0.89	1.66	6.55E-02	-3.02	2.37E-04	-0.93	5.69E-01	M-1
ENSMMUG00000003909	FTL	Ferritin Light Chain	98.35	197.29	66.06	65.97	1.00	1.95E-01	-1.95	4.12E-03	-0.50	7.51E-01	M-1
ENSMMUG000000040800	KCNA7	Potassium Voltage-gated Channel Subfamily A Member 7	2.16	1.94	0.50	0.55	-0.44	8.28E-01	-3.41	1.74E-02	-0.03	9.95E-01	M-1
ENSMMUG000000020175	MED25	Mediator Complex Subunit 25	14.84	12.17	4.18	5.43	-0.53	6.22E-01	-1.78	3.55E-02	1.39	2.78E-01	M-1
ENSMMUG000000011618	PTOV1	Prostate Tumor Overexpressed 1	19.77	13.62	4.21	10.77	0.01	9.95E-01	-1.98	2.55E-02	0.80	6.52E-01	M-1
ENSMMUG000000013599	KLK6	Kallikrein Related Peptidase 6	67.47	95.84	4.20	0.72	-0.13	9.41E-01	-4.79	4.24E-06	-1.27	5.36E-01	M-1
ENSMMUG000000015445	KLK8	Kallikrein Related Peptidase 8	0.91	1.18	0.21	0.12	0.18	9.49E-01	-5.04	6.90E-03	0.48	9.40E-01	M-1
ENSMMUG000000043368			2.66	6.66	4.03	3.48	1.23	6.88E-02	-1.46	2.53E-02	0.08	9.74E-01	M-1
ENSMMUG000000017044	LOC106994839	Zinc Finger Protein 600	6.01	8.43	1.75	2.50	-0.01	9.92E-01	-2.19	3.79E-04	0.65	6.07E-01	M-1
ENSMMUG000000015981	ZNF677	Zinc Finger Protein 677	1.53	4.76	0.98	1.27	1.50	8.85E-02	-2.19	7.45E-03	0.80	6.32E-01	M-1
ENSMMUG000000043422	LOC720438	Zinc Finger Protein 765-like	13.36	8.52	4.80	3.48	-0.79	1.41E-01	-1.14	2.20E-02	-0.08	9.64E-01	M-1
ENSMMUG000000007972	PRKCG	Protein Kinase C Gamma	1.75	5.61	0.13	0.08	1.50	2.88E-01	-6.01	7.02E-07	0.01	9.99E-01	M-1
ENSMMUG000000007975	CACNG7	Calcium Voltage-gated Channel Auxiliary Subunit Gamma 7	13.34	56.56	9.39	0.23	0.99	5.31E-01	-5.84	1.24E-06	-1.50	5.24E-01	M-1
ENSMMUG0000000043110	VSTM1	V-set And Transmembrane Domain Containing 1	3.20	8.26	0.47	0.41	0.78	6.91E-01	-5.60	3.97E-04	-0.96	8.10E-01	M-1
ENSMMUG000000006169	TNNT1	Troponin T1, Slow Skeletal Type	2.39	1.54	0.04	0.13	-1.08	5.82E-01	-6.61	8.78E-05	3.39	1.82E-01	M-1
ENSMMUG000000001262	TNNI3	Troponin I3, Cardiac Type	2.16	10.85	0.83	1.82	2.53	8.34E-02	-3.30	1.77E-02	1.45	5.90E-01	M-1
ENSMMUG000000005014			4.86	12.58	1.38	0.06	1.31	3.77E-01	-5.08	2.53E-05	-2.76	1.31E-01	M-1
ENSMMUG000000000775	ZNF132	Zinc Finger Protein 132	5.76	4.78	1.65	0.96	-0.56	6.76E-01	-2.23	3.33E-02	-0.61	8.06E-01	M-1
ENSMMUG000000043446			11.21	9.94	1.03	1.61	-0.39	8.77E-01	-4.98	4.44E-03	3.42	1.99E-01	M-1
ENSMMUG0000000020493	ZNF256	Zinc Finger Protein 256	40.11	28.68	8.06	6.12	-0.48	5.45E-01	-1.68	8.18E-03	-0.17	9.32E-01	M-1
ENSMMUG000000043611	ZNF418	Zinc Finger Protein 418	1.98	11.23	2.20	2.84	1.36	3.61E-01	-3.03	1.76E-02	2.76	1.20E-01	M-1
ENSMMUG000000017400	LOC709220	Zinc Finger Protein 587	14.29	16.49	5.81	6.21	0.01	9.92E-01	-1.86	3.20E-02	0.97	5.38E-01	M-1
ENSMMUG000000005333	ZNF211	Zinc Finger Protein 211	10.45	8.37	2.85	0.72	0.07	9.59E-01	-2.24	1.50E-02	-1.61	2.54E-01	M-1
ENSMMUG000000014282	ZNF17	Zinc Finger Protein 17	10.65	5.64	1.39	0.68	-0.90	3.59E-01	-2.52	2.05E-03	-1.52	2.28E-01	M-1
ENSMMUG000000019284	ZNF548	Zinc Finger Protein 548	5.88	7.91	2.94	1.42	0.66	2.96E-01	-1.73	1.27E-03	-1.32	7.60E-02	M-1
ENSMMUG000000017852	PEG3	Paternally Expressed 3	8.27	8.31	4.31	4.48	0.63	2.66E-01	-1.46	2.91E-03	0.60	5.11E-01	M-1
ENSMMUG000000015530	GALP	Galanin Like Peptide	0.82	10.93	0.12	0.11	5.18	8.24E-02	-6.44	2.90E-02	-0.13	9.91E-01	M-1
ENSMMUG000000009935	NLRP8	NLR Family Pyrin Domain Containing 8	194.48	209.24	10.46	0.95	-0.51	6.95E-01	-5.31	3.24E-09	-2.23	9.21E-02	M-1
ENSMMUG000000016749	NLRP13	NLR Family Pyrin Domain Containing 13	255.27	123.60	5.93	0.88	-1.64	6.55E-02	-4.88	4.68E-10	-1.90	1.04E-01	M-1
ENSMMUG000000029506	NLRP9	NLR Family Pyrin Domain Containing 9	407.82	282.22	23.40	5.78	-0.54	5.63E-01	-4.99	3.08E-13	-0.66	6.73E-01	M-1
ENSMMUG000000042225			21.56	34.21	21.61	9.66	1.09	5.34E-02	-1.48	5.70E-03	-0.28	8.40E-01	M-1
ENSMMUG000000005404	ZNF25	Zinc Finger Protein 25	2.51	0.44	0.12	0.07	-2.38	2.90E-01	-5.35	1.36E-02	2.70	4.82E-01	M-1
ENSMMUG000000007588	LOC709331	Tubulin Beta-8 Chain-like	65.46	23.03	4.07	1.05	-1.53	7.41E-02	-3.66	2.22E-06	-0.97	5.19E-01	M-1
ENSMMUG000000042684			5.95	2.46	0.28	0.53	-2.20	1.65E-01	-4.26	6.88E-03	2.42	3.35E-01	M-1
ENSMMUG000000031199			3.15	1.95	0.26	0.02	-0.44	8.54E-01	-4.84	5.64E-03	-1.03	8.21E-01	M-1
ENSMMUG000000005565	LOC706213	Olfactory Receptor 2T2	5.87	1.44	0.29	0.09	-2.17	2.69E-01	-4.07	2.83E-02	-1.75	6.50E-01	M-1
ENSMMUG000000046873	LOC719465	Translation Initiation Factor IF-2-like	1.46	2.14	0.19	0.21	-0.15	9.49E-01	-3.92	1.62E-02	1.51	6.47E-01	M-1
ENSMMUG000000039974			4.97	7.56	1.31	0.39	-0.79	6.29E-01	-4.19	7.13E-04	0.72	8.19E-01	M-1
ENSMMUG000000044946			10.50	7.86	2.88	0.70	-0.67	5.46E-01	-2.04	2.51E-02	-1.19	4.50E-01	M-1
ENSMMUG000000039585			27.83	32.23	14.45	1.13	0.03	9.85E-01	-2.25	3.60E-02	-2.19	1.47E-01	M-1
ENSMMUG000000039470	MAMU-E	Major Histocompatibility Complex, Class I, E	1.01	6.38	2.02	5.79	1.80	1.66E-01	-2.83	1.67E-02	2.96	5.49E-02	M-1
ENSMMUG000000047301			6.46	17.89	12.68	1.03	0.86	4.39E-01	-1.93	4.35E-02	-2.17	8.71E-02	M-1
ENSMMUG000000037948			0.73	0.84	0.45	0.15	1.03	5.37E-01	-3.49	1.72E-02	0.60	8.84E-01	M-1
ENSMMUG000000041081			12.85	22.24	5.32	7.05	2.25	9.05E-02	-3.22	1.05E-02	0.32	9.38E-01	M-1
ENSMMUG000000040795			1.41	5.81	0.41	0.24	1.81	1.68E-01	-3.62	3.24E-03	-1.51	5.31E-01	M-1
ENSMMUG000000047050			327.33	115.85	19.29	3.41	-1.45	1.76E-01	-3.85	4.12E-05	-1.47	3.72E-01	M-1
ENSMMUG000000047786			2.40	12.39	0.72	0.91	1.17	5.71E-01	-5.76	1.06E-03	2.85	2.94E-01	M-1
ENSMMUG000000045726			162.92	131.42	47.40	33.39	-0.28	7.69E-01	-2.37	2.62E-04	0.46	7.69E-01	M-1
ENSMMUG0000000041710			1.24	2.29	0.21	0.32	1.44	4.86E-01	-4.25	1.74E-02	0.35	9.60E-01	M-1

ENSMMUG00000030930			29.48	15.38	0.68	0.17	-1.40	2.46E-01	-4.75	1.02E-05	-1.67	4.22E-01	M-1
ENSMMUG00000039239			5.15	11.67	0.95	0.85	-0.35	8.73E-01	-3.25	2.77E-02	0.40	9.31E-01	M-1
ENSMMUG00000046519			4.82	1.04	0.37	0.03	-2.70	2.14E-01	-5.42	1.24E-02	1.27	8.15E-01	M-1
ENSMMUG00000007145			32.05	28.58	12.76	4.50	0.13	9.25E-01	-2.50	4.70E-03	-0.19	9.52E-01	M-1
ENSMMUG00000046966			17.89	16.68	0.30	0.32	-0.59	7.71E-01	-6.95	4.28E-06	0.30	9.59E-01	M-1
ENSMMUG00000043539			317.87	98.53	17.86	2.93	-1.40	1.98E-01	-3.85	5.89E-05	-2.43	8.79E-02	M-1
ENSMMUG00000041341			230.87	157.19	14.33	4.60	-1.08	2.83E-01	-3.72	1.98E-05	-0.49	8.37E-01	M-1
ENSMMUG00000047148	LOC106995557	Ubiquitin	234.38	179.38	121.82	138.75	0.02	9.85E-01	-1.33	3.62E-02	0.18	9.22E-01	M-1
ENSMMUG00000039084			67.73	66.66	33.39	33.06	-0.09	9.29E-01	-1.34	3.82E-02	0.62	6.25E-01	M-1
ENSMMUG00000012961	MIB2	Mindbomb E3 Ubiquitin Protein Ligase 2	0.93	0.39	0.42	0.16	-3.96	6.95E-03	0.73	7.22E-01	-2.47	3.22E-01	M-2
ENSMMUG00000012346	RER1	Retention In Endoplasmic Reticulum Sorting Receptor 1	9.58	3.02	6.25	8.89	-1.44	4.23E-02	1.03	1.60E-01	-0.08	9.75E-01	M-2
ENSMMUG00000016837	KCNAB2	Potassium Voltage-gated Channel Subfamily A Regulatory Beta Subunit 2	2.99	0.53	1.67	0.10	-3.43	2.71E-02	0.03	9.89E-01	-3.07	1.61E-01	M-2
ENSMMUG00000032248	MIIP	Migration And Invasion Inhibitory Protein	6.01	2.00	3.95	3.46	-3.75	3.44E-04	1.27	3.08E-01	1.04	6.37E-01	M-2
ENSMMUG00000004466	NIPAL3	NIPA Like Domain Containing 3	8.41	0.71	0.54	2.29	-3.25	2.96E-03	-1.17	3.65E-01	2.30	1.47E-01	M-2
ENSMMUG00000032217	TMEM50A	Transmembrane Protein 50A	24.38	8.56	7.06	6.44	-1.81	4.57E-04	0.23	7.54E-01	-0.06	9.74E-01	M-2
ENSMMUG00000009452	TRIM63	Tripartite Motif Containing 63	19.78	0.96	0.50	2.62	-4.92	5.80E-07	-1.74	1.39E-01	2.49	8.90E-02	M-2
ENSMMUG00000041160	ZDHC18	Zinc Finger DHHC-type Containing 18	3.68	0.81	1.18	0.43	-2.91	3.22E-02	-0.37	8.45E-01	-1.25	6.37E-01	M-2
ENSMMUG00000015115	FAM46B	Family With Sequence Similarity 46 Member B	23.86	4.50	5.22	4.82	-2.62	2.57E-02	-0.05	9.79E-01	0.39	9.05E-01	M-2
ENSMMUG00000017301	TMEM54	Transmembrane Protein 54	1.06	0.11	1.32	4.31	-3.89	9.88E-03	2.01	2.29E-01	3.21	1.21E-01	M-2
ENSMMUG00000006389	ZSCAN20	Zinc Finger And SCAN Domain Containing 20	0.78	0.11	0.78	0.45	-3.90	4.23E-02	3.18	1.02E-01	0.83	8.62E-01	M-2
ENSMMUG00000023634	RRAGC	Ras Related GTP Binding C	5.56	0.83	1.89	3.14	-3.60	1.10E-05	0.88	3.86E-01	1.62	2.10E-01	M-2
ENSMMUG00000039765	MYCBP	MYC Binding Protein	50.48	27.27	19.85	18.14	-1.39	4.13E-02	-0.28	7.54E-01	0.08	9.74E-01	M-2
ENSMMUG00000015155	B4GALT2	Beta-1,4-galactosyltransferase 2	1.82	0.53	0.71	0.73	-3.25	2.25E-02	1.75	2.64E-01	-0.27	9.58E-01	M-2
ENSMMUG00000044591			10.22	0.41	0.83	0.21	-5.49	1.81E-09	0.57	6.69E-01	-1.18	5.41E-01	M-2
ENSMMUG00000015078	POMGNT1	Protein O-linked Mannose N-acetylglucosaminyltransferase 1 (beta 1,2-)	2.11	0.33	2.32	1.84	-3.58	6.97E-03	1.71	2.52E-01	-0.17	9.72E-01	M-2
ENSMMUG00000004952	SCP2	Sterol Carrier Protein 2	2.94	0.72	2.92	12.56	-2.62	4.49E-02	1.76	2.03E-01	1.94	3.35E-01	M-2
ENSMMUG00000002339	USP1	Ubiquitin Specific Peptidase 1	60.18	23.01	21.57	19.45	-1.16	3.23E-02	-0.40	5.32E-01	-0.21	8.87E-01	M-2
ENSMMUG00000018565	RAVER2	Ribonucleoprotein, PTB Binding 2	3.05	0.29	0.61	0.83	-2.91	3.20E-02	-0.36	8.52E-01	0.91	7.68E-01	M-2
ENSMMUG00000013333	DIRAS3	DIRAS Family GTPase 3	12.43	1.77	0.89	0.18	-3.61	1.22E-02	0.04	9.86E-01	-2.64	2.46E-01	M-2
ENSMMUG00000019488	TNNI3K	TNNI3 Interacting Kinase	3.25	0.45	1.63	0.77	-3.13	3.09E-03	-0.53	7.19E-01	1.24	5.40E-01	M-2
ENSMMUG00000006583			438.25	29.94	39.07	41.94	-3.90	3.84E-09	0.07	9.52E-01	0.76	5.85E-01	M-2
ENSMMUG00000013197	CYR61	Cysteine Rich Angiogenic Inducer 61	6.41	4.59	0.73	1.29	-3.99	6.22E-03	0.96	6.02E-01	2.50	2.68E-01	M-2
ENSMMUG00000001380	ODF2L	Outer Dense Fiber Of Sperm Tails 2 Like	3.19	1.05	1.12	4.34	-1.71	2.63E-02	0.36	7.21E-01	1.67	1.08E-01	M-2
ENSMMUG00000046107			1.27	0.38	1.73	4.38	-2.96	1.24E-02	2.06	9.53E-02	2.49	1.23E-01	M-2
ENSMMUG00000007180	KIAA1107	KIAA1107 Ortholog	11.08	2.41	1.61	1.13	-2.84	5.63E-03	0.69	5.94E-01	-1.63	3.20E-01	M-2
ENSMMUG00000013857	GCLM	Glutamate-cysteine Ligase Modifier Subunit	12.56	2.53	3.82	13.48	-2.65	9.34E-03	1.23	2.85E-01	0.81	7.11E-01	M-2
ENSMMUG00000014013	ABCD3	ATP Binding Cassette Subfamily D Member 3	21.37	7.38	6.24	18.21	-1.79	1.34E-02	0.02	9.84E-01	0.96	4.34E-01	M-2
ENSMMUG00000042059	S1PR1	Sphingosine-1-phosphate Receptor 1	3.00	0.27	0.06	0.04	-5.68	4.50E-03	-2.07	3.96E-01	-1.19	8.15E-01	M-2
ENSMMUG00000017421	TSPAN2	Tetraspanin 2	2.74	0.02	0.05	0.00	-8.23	1.92E-06	2.15	3.37E-01	-2.86	3.76E-01	M-2
ENSMMUG00000010074	CDC42SE1	CDC42 Small Effector 1	8.85	1.72	3.88	12.49	-2.43	1.32E-02	1.20	2.68E-01	1.67	2.59E-01	M-2
ENSMMUG00000016955	RIIAD1	Regulatory Subunit Of Type II PKA R-subunit (RIIa) Domain Containing 1	5.31	0.16	0.02	0.04	-5.57	3.79E-03	-1.60	5.36E-01	0.85	8.89E-01	M-2

ENSMMUG00000045342			80.45	29.41	48.23	36.29	-1.74	1.88E-02	0.47	6.11E-01	0.30	8.81E-01	M-2
ENSMMUG00000006579	PYGO2	Pygopus Family PHD Finger 2	107.72	12.42	26.73	13.82	-3.24	3.00E-05	-0.43	6.96E-01	-0.23	9.30E-01	M-2
ENSMMUG00000041008			385.46	28.61	43.57	46.32	-3.57	1.10E-07	0.29	7.69E-01	0.72	6.15E-01	M-2
ENSMMUG00000042262			5.25	2.92	0.26	0.89	-3.53	4.68E-02	-1.32	5.49E-01	-2.75	3.44E-01	M-2
ENSMMUG00000007896	TAF1A	TATA-box Binding Protein Associated Factor, RNA Polymerase I Subunit A	39.91	7.61	3.56	2.75	-1.96	1.39E-02	-1.33	1.13E-01	-0.69	6.77E-01	M-2
ENSMMUG00000017396	BPNT1	3'(2'), 5'-biphosphate Nucleotidase 1	3.14	0.83	0.94	1.74	-2.92	2.81E-03	0.95	4.19E-01	0.23	9.47E-01	M-2
ENSMMUG00000007806	LYPLAL1	Lysophospholipase Like 1	5.97	1.15	3.15	7.30	-3.57	2.57E-03	1.96	1.29E-01	0.27	9.47E-01	M-2
ENSMMUG00000016099	HHAT	Hedgehog Acyltransferase	7.13	2.40	0.65	0.24	-3.74	8.77E-04	-0.71	6.36E-01	-1.16	6.32E-01	M-2
ENSMMUG00000043588			15.97	3.45	1.92	1.83	-2.43	3.40E-02	-1.99	9.70E-02	0.53	8.62E-01	M-2
ENSMMUG00000011711	CD55	CD55 Molecule (Cromer Blood Group)	64.82	14.51	11.66	9.22	-2.62	2.22E-03	-0.25	8.43E-01	-0.02	9.97E-01	M-2
ENSMMUG00000023569	IL10	Interleukin 10	4.67	0.48	0.31	0.19	-6.80	1.66E-03	2.18	4.14E-01	-3.60	3.29E-01	M-2
ENSMMUG00000003673	PM20D1	Peptidase M20 Domain Containing 1	0.54	0.33	1.82	0.67	-5.65	5.32E-03	-0.65	8.36E-01	1.50	7.41E-01	M-2
ENSMMUG00000021426	SLC41A1	Solute Carrier Family 41 Member 1	14.12	7.06	5.68	2.99	-1.69	4.07E-02	-0.21	8.53E-01	-0.59	7.39E-01	M-2
ENSMMUG00000004113	MFSD4A	Major Facilitator Superfamily Domain Containing 4A	4.19	0.75	0.86	0.60	-2.53	4.21E-02	0.30	8.62E-01	-1.01	6.94E-01	M-2
ENSMMUG00000010480	TMCC2	Transmembrane And Coiled-coil Domain Family 2	2.12	0.66	0.47	0.13	-3.04	1.13E-02	0.61	7.01E-01	-2.88	8.05E-02	M-2
ENSMMUG00000041850	RABIF	RAB Interacting Factor	17.58	5.08	9.38	6.33	-1.90	1.22E-02	0.79	3.65E-01	-1.22	3.00E-01	M-2
ENSMMUG00000003998	PPP1R12B	Protein Phosphatase 1 Regulatory Subunit 12B	2.85	0.96	0.59	0.99	-2.26	4.87E-02	-0.60	6.80E-01	0.62	8.19E-01	M-2
ENSMMUG00000020772	CSRP1	Cysteine And Glycine Rich Protein 1	37.87	10.98	5.10	22.59	-4.49	2.90E-05	-1.15	3.86E-01	1.48	4.52E-01	M-2
ENSMMUG00000016409	TSEN15	TRNA Splicing Endonuclease Subunit 15	3.05	1.08	3.30	6.75	-2.44	3.91E-02	2.09	7.91E-02	2.10	2.15E-01	M-2
ENSMMUG00000047833	ARPC5	Actin Related Protein 2/3 Complex Subunit 5	29.08	5.41	12.66	53.05	-2.98	2.32E-04	1.30	1.55E-01	1.84	1.16E-01	M-2
ENSMMUG00000005638	RGS16	Regulator Of G Protein Signaling 16	2.34	0.16	0.31	0.22	-3.54	1.59E-06	0.36	7.44E-01	0.59	7.58E-01	M-2
ENSMMUG00000020023			5.79	1.26	0.42	0.19	-3.59	5.81E-03	-1.81	2.10E-01	-0.51	8.92E-01	M-2
ENSMMUG00000020021	STX6	Syntaxin 6	14.24	2.68	1.38	1.20	-3.27	9.00E-05	-0.86	4.06E-01	0.02	9.95E-01	M-2
ENSMMUG00000023203	VAMP4	Vesicle Associated Membrane Protein 4	3.37	0.98	4.74	0.79	-2.97	4.41E-02	0.11	9.62E-01	0.77	8.27E-01	M-2
ENSMMUG00000013039	SLC19A2	Solute Carrier Family 19 Member 2	42.75	9.66	6.86	5.60	-2.01	2.71E-02	-1.19	2.23E-01	0.21	9.45E-01	M-2
ENSMMUG000000038144	CREG1	Cellular Repressor Of E1A Stimulated Genes 1	75.81	23.56	13.73	7.78	-1.81	2.44E-02	-1.15	1.82E-01	-0.09	9.74E-01	M-2
ENSMMUG00000013119	DISC1	Disrupted In Schizophrenia 1	2.52	0.58	0.30	0.20	-2.58	4.45E-02	-1.11	4.60E-01	-1.06	6.95E-01	M-2
ENSMMUG00000007141	ARID4B	AT-rich Interaction Domain 4B	15.29	7.91	6.73	5.36	-1.02	4.61E-02	-0.31	6.20E-01	-0.39	7.14E-01	M-2
ENSMMUG00000014263	GPR137B	G Protein-coupled Receptor 137B	8.68	0.96	1.64	0.87	-3.35	3.50E-02	-2.76	9.91E-02	1.06	7.72E-01	M-2
ENSMMUG00000021442	CHRM3	Cholinergic Receptor Muscarinic 3	1.88	1.11	0.15	0.17	-4.97	8.65E-04	-2.08	2.23E-01	3.52	1.04E-01	M-2
ENSMMUG00000002862	ADGRG7	Adhesion G Protein-coupled Receptor G7	6.08	1.02	0.15	0.07	-3.16	2.21E-02	-1.55	3.44E-01	-2.88	2.23E-01	M-2
ENSMMUG00000014236	SLC35A5	Solute Carrier Family 35 Member A5	21.89	8.82	16.36	12.85	-1.47	2.33E-02	1.00	1.41E-01	0.15	9.47E-01	M-2
ENSMMUG00000012010	TMEM39A	Transmembrane Protein 39A	77.69	25.39	31.70	16.32	-1.73	5.98E-03	0.20	8.23E-01	0.04	9.86E-01	M-2
ENSMMUG00000001976	NR1I2	Nuclear Receptor Subfamily 1 Group I Member 2	1.43	0.02	0.03	0.38	-6.86	1.53E-04	0.28	9.30E-01	3.96	1.61E-01	M-2
ENSMMUG00000022572	HSPBAP1	HSPB1 Associated Protein 1	6.31	5.96	1.69	2.04	-2.67	4.10E-02	-1.45	3.15E-01	2.77	1.20E-01	M-2
ENSMMUG00000011106	SNX4	Sorting Nexin 4	28.60	5.65	10.32	10.05	-2.92	1.81E-05	1.34	7.62E-02	0.41	8.12E-01	M-2
ENSMMUG00000000756			5.66	0.25	1.37	1.41	-5.62	4.16E-04	1.44	4.74E-01	0.37	9.47E-01	M-2

ENSMMUG00000018663	EEFSEC	Eukaryotic Elongation Factor, Selenocysteine-tRNA Specific	3.07	0.65	0.64	1.50	-2.39	1.86E-02	-0.30	8.38E-01	1.26	4.78E-01	M-2
ENSMMUG00000013167	HMCES	5-hydroxymethylcytosine (hmC) Binding, ES Cell-specific	18.53	2.82	3.40	3.45	-3.11	2.15E-05	0.74	4.19E-01	-0.67	6.81E-01	M-2
ENSMMUG00000001369	HDAC11	Histone Deacetylase 11	1.18	0.03	0.12	0.03	-5.68	6.11E-04	2.27	2.58E-01	-3.85	1.26E-01	M-2
ENSMMUG00000021804	ATG7	Autophagy Related 7	33.55	7.55	8.82	3.22	-2.08	4.21E-02	-1.77	8.70E-02	0.28	9.24E-01	M-2
ENSMMUG00000010350	CIDEC	Cell Death Inducing DFFA Like Effector C	7.42	0.37	0.12	0.26	-4.13	7.84E-03	-3.34	6.66E-02	0.12	9.86E-01	M-2
ENSMMUG00000006114	TADA3	Transcriptional Adaptor 3	4.46	1.76	4.58	4.83	-3.53	1.51E-03	1.62	1.99E-01	-0.64	8.17E-01	M-2
ENSMMUG00000007808	LOC703936	Myotubularin-related Protein 14	90.00	40.93	69.63	42.46	-1.60	1.41E-02	0.84	2.40E-01	-1.25	1.83E-01	M-2
ENSMMUG00000001849	IL5RA	Interleukin 5 Receptor Subunit Alpha	2.51	1.10	0.21	0.07	-2.81	1.66E-02	-2.18	7.66E-02	-1.87	3.23E-01	M-2
ENSMMUG000000040565	GPR27	G Protein-coupled Receptor 27	0.44	0.05	0.77	0.50	-5.32	1.69E-02	3.35	1.65E-01	4.12	2.23E-01	M-2
ENSMMUG00000007780	EIF4E3	Eukaryotic Translation Initiation Factor 4E Family Member 3	20.49	2.34	0.89	7.63	-3.31	3.68E-02	-1.34	4.83E-01	3.07	1.92E-01	M-2
ENSMMUG00000008620	UBA3	Ubiquitin Like Modifier Activating Enzyme 3	19.93	8.18	17.91	18.42	-1.26	2.77E-02	0.61	3.45E-01	1.07	1.90E-01	M-2
ENSMMUG00000001531	LRIG1	Leucine Rich Repeats And Immunoglobulin Like Domains 1	11.93	4.55	2.66	4.16	-1.72	3.69E-02	-1.09	2.14E-01	-0.06	9.86E-01	M-2
ENSMMUG00000001513	PRICKLE2	Prickle Planar Cell Polarity Protein 2	2.34	0.56	1.30	0.08	-2.66	1.40E-02	-1.85	1.21E-01	-1.52	4.52E-01	M-2
ENSMMUG000000038511	C2H3orf14	Chromosome 2 Open Reading Frame, Human C3orf14	2.27	0.26	0.64	0.70	-4.33	3.33E-04	2.37	6.93E-02	1.07	6.85E-01	M-2
ENSMMUG000000012487	PTPRG	Protein Tyrosine Phosphatase, Receptor Type G	7.31	3.24	0.75	0.91	-2.14	2.91E-02	-1.74	8.32E-02	-0.31	9.10E-01	M-2
ENSMMUG000000047365	CACNA2D3	Calcium Voltage-gated Channel Auxiliary Subunit Alpha2delta 3	1.06	0.26	0.27	0.08	-2.95	1.49E-02	-0.07	9.70E-01	-1.86	3.51E-01	M-2
ENSMMUG000000017360	NT5DC2	5'-nucleotidase Domain Containing 2	1.83	0.18	0.17	0.89	-5.09	8.90E-03	-0.43	8.85E-01	0.92	8.58E-01	M-2
ENSMMUG000000044500	HYAL3	Hyaluronoglucosaminidase 3	1.38	0.46	0.03	0.10	-3.58	3.27E-02	-2.42	2.10E-01	-0.59	9.09E-01	M-2
ENSMMUG000000016476			6.81	2.32	1.60	1.58	-2.49	3.64E-02	-0.73	6.25E-01	0.00	9.99E-01	M-2
ENSMMUG000000018020	LARS2	Leucyl-tRNA Synthetase 2, Mitochondrial	9.44	3.75	4.07	4.89	-1.76	2.97E-02	0.36	7.34E-01	-0.75	6.35E-01	M-2
ENSMMUG000000019130	EXOSC7	Exosome Component 7	25.45	9.22	16.86	14.19	-1.68	2.28E-02	1.04	1.90E-01	0.39	8.26E-01	M-2
ENSMMUG00000001031	ABHD5	Abhydrolase Domain Containing 5	44.56	10.59	8.78	16.56	-2.30	3.11E-03	-0.62	5.21E-01	1.91	6.89E-02	M-2
ENSMMUG000000038332			1.70	0.08	0.22	0.61	-5.53	2.23E-04	2.39	1.90E-01	0.71	8.60E-01	M-2
ENSMMUG000000021927			4.80	0.31	0.07	0.15	-5.04	8.99E-04	-1.93	2.90E-01	0.31	9.58E-01	M-2
ENSMMUG000000013661	PARL	Presenilin Associated Rhomboid Like	61.11	21.54	16.18	13.40	-1.27	2.97E-02	-0.59	3.76E-01	0.24	8.73E-01	M-2
ENSMMUG000000004189	FNDC3B	Fibronectin Type III Domain Containing 3B	13.28	4.09	4.87	4.27	-1.51	1.68E-03	0.25	7.02E-01	-0.26	8.32E-01	M-2
ENSMMUG000000044992			1.55	0.11	0.03	0.10	-4.21	3.40E-02	-1.48	5.59E-01	2.64	4.73E-01	M-2
ENSMMUG000000041656			3.46	0.64	1.03	1.28	-3.39	1.02E-02	1.31	4.08E-01	-0.07	9.88E-01	M-2
ENSMMUG000000022153	SLC25A36	Solute Carrier Family 25 Member 36	225.28	121.09	61.51	53.88	-1.20	3.33E-02	-1.04	6.77E-02	-0.07	9.73E-01	M-2
ENSMMUG000000007760	CEP70	Centrosomal Protein 70	9.83	4.50	2.83	2.20	-1.44	2.96E-02	-1.20	7.49E-02	0.78	5.08E-01	M-2
ENSMMUG000000047344			8.57	1.52	4.24	3.79	-3.78	6.97E-03	1.25	4.55E-01	-0.03	9.97E-01	M-2
ENSMMUG000000019360	SLC35G2	Solute Carrier Family 35 Member G2	3.61	0.31	0.34	1.66	-3.63	2.76E-03	-0.49	7.79E-01	2.22	2.59E-01	M-2
ENSMMUG000000000526	ACKR4	Atypical Chemokine Receptor 4	2.89	0.39	0.33	0.72	-4.05	1.79E-03	0.09	9.67E-01	0.83	7.92E-01	M-2
ENSMMUG000000016005	DNAJC13	DnaJ Heat Shock Protein Family (Hsp40) Member C13	57.91	21.39	14.70	15.34	-1.76	1.35E-04	-0.82	1.08E-01	0.77	3.19E-01	M-2

ENSMMUG00000005137	ATP2C1	ATPase Secretory Pathway Ca2+ Transporting 1	16.02	5.28	7.19	8.32	-1.63	2.49E-02	0.03	9.81E-01	1.38	1.83E-01	M-2
ENSMMUG00000006658	CAPN7	Calpain 7	6.55	2.48	1.86	4.40	-2.13	2.17E-02	-0.42	7.35E-01	1.11	4.98E-01	M-2
ENSMMUG00000022519	HACL1	2-hydroxyacyl-CoA Lyase 1	6.80	1.24	2.75	3.51	-2.74	9.87E-03	1.01	4.14E-01	0.24	9.48E-01	M-2
ENSMMUG00000022694	RFTN1	Raftlin, Lipid Raft Linker 1	15.27	5.31	0.48	0.29	-3.48	7.21E-03	-1.74	2.40E-01	-1.93	3.97E-01	M-2
ENSMMUG00000006352	NKIRAS1	NFKB Inhibitor Interacting Ras Like 1	13.77	2.24	1.56	0.95	-2.74	2.69E-02	-0.20	9.14E-01	-1.12	6.68E-01	M-2
ENSMMUG00000000067	THRB	Thyroid Hormone Receptor Beta	1.64	0.18	0.18	0.04	-3.30	3.86E-02	-2.47	1.70E-01	1.08	7.91E-01	M-2
ENSMMUG00000000055	CMC1	C-X9-C Motif Containing 1	22.20	4.25	15.62	21.89	-2.50	2.69E-02	1.95	9.27E-02	-0.05	9.91E-01	M-2
ENSMMUG00000031439	FBXL2	F-box And Leucine Rich Repeat Protein 2	10.92	2.87	0.63	0.74	-2.35	1.72E-02	-1.91	6.18E-02	0.51	8.40E-01	M-2
ENSMMUG00000020109	GLB1	Galactosidase Beta 1	11.80	3.20	6.79	14.35	-2.32	9.23E-03	1.51	1.09E-01	0.20	9.48E-01	M-2
ENSMMUG00000004034	WDR53	WD Repeat Domain 53	7.56	0.57	0.49	1.08	-3.26	4.43E-05	-0.21	8.66E-01	-0.06	9.84E-01	M-2
ENSMMUG00000002021	BDH1	3-hydroxybutyrate Dehydrogenase 1	2.59	0.20	0.49	1.77	-4.39	4.63E-03	0.40	8.60E-01	3.01	1.90E-01	M-2
ENSMMUG00000032295	ZNF595	Zinc Finger Protein 595	66.67	27.55	24.62	12.56	-1.43	3.83E-03	-0.12	8.72E-01	-0.71	4.02E-01	M-2
ENSMMUG00000012625			26.86	8.03	6.50	8.53	-2.44	1.65E-02	0.64	6.18E-01	-0.09	9.81E-01	M-2
ENSMMUG00000008363	FAM53A	Family With Sequence Similarity 53 Member A	6.26	0.96	0.40	0.42	-3.21	1.45E-02	-2.17	1.24E-01	2.46	2.17E-01	M-2
ENSMMUG00000048558			4.89	0.84	1.14	1.16	-3.43	3.27E-02	0.00	1.00E+00	-1.85	5.29E-01	M-2
ENSMMUG00000014335	SH3BP2	SH3 Domain Binding Protein 2	1.88	0.56	0.73	1.07	-3.71	1.72E-03	2.21	8.19E-02	-2.25	2.12E-01	M-2
ENSMMUG00000023242			4.66	2.30	5.98	7.74	-3.31	1.11E-02	2.32	8.88E-02	2.76	1.35E-01	M-2
ENSMMUG00000016922	STK32B	Serine/threonine Kinase 32B	3.29	1.63	0.18	0.02	-4.30	1.20E-02	-2.48	2.24E-01	-2.69	4.12E-01	M-2
ENSMMUG00000020860	EVC2	EvC Ciliary Complex Subunit 2	1.71	0.91	0.21	0.17	-3.32	3.18E-02	-1.88	2.88E-01	-2.49	3.09E-01	M-2
ENSMMUG00000017002	TADA2B	Transcriptional Adaptor 2B	6.59	1.62	3.48	2.90	-2.29	5.37E-03	0.76	4.36E-01	-0.44	8.29E-01	M-2
ENSMMUG00000001747	TAPT1	Transmembrane Anterior Posterior Transformation 1	14.05	2.96	5.61	3.55	-2.20	1.93E-02	0.32	8.06E-01	-0.09	9.80E-01	M-2
ENSMMUG00000018070	NCAPG	Non-SMC Condensin I Complex Subunit G	48.34	23.94	19.22	22.92	-1.02	5.83E-03	-0.45	2.88E-01	0.35	6.42E-01	M-2
ENSMMUG00000006680			2.43	2.46	5.68	5.32	-2.82	4.90E-02	1.93	1.98E-01	2.88	1.36E-01	M-2
ENSMMUG00000009439	STIM2	Stromal Interaction Molecule 2	3.55	1.31	1.94	0.58	-2.46	2.91E-02	0.83	5.39E-01	-0.79	7.51E-01	M-2
ENSMMUG00000002755	KLHL5	Kelch Like Family Member 5	0.54	0.10	0.35	1.34	-7.10	1.13E-05	3.18	8.30E-02	1.02	8.03E-01	M-2
ENSMMUG00000009273	GNPDA2	Glucosamine-6-phosphate Deaminase 2	80.27	6.90	9.00	5.86	-3.41	2.02E-05	0.02	9.87E-01	-0.22	9.38E-01	M-2
ENSMMUG00000021780			23.50	4.77	5.55	5.07	-2.53	8.77E-04	0.37	7.29E-01	-0.02	9.94E-01	M-2
ENSMMUG00000006703			1.43	1.59	0.39	0.07	-4.67	6.55E-03	0.31	9.06E-01	-1.93	5.90E-01	M-2
ENSMMUG00000006705	FRYL	FRY Like Transcription Coactivator	8.98	2.84	3.91	3.17	-2.40	1.02E-03	1.24	1.19E-01	-0.47	7.92E-01	M-2
ENSMMUG00000014714	CWH43	Cell Wall Biogenesis 43 C-terminal Homolog	2.33	0.10	0.09	0.01	-4.72	4.87E-04	-0.94	6.17E-01	-1.22	7.26E-01	M-2
ENSMMUG00000021162	CDS1	CDP-diacylglycerol Synthase 1	26.61	2.68	4.27	2.83	-4.29	1.83E-06	1.64	1.08E-01	-0.82	6.84E-01	M-2
ENSMMUG00000008510	THAP9	THAP Domain Containing 9	8.94	2.88	4.98	6.39	-1.93	2.98E-02	1.31	1.62E-01	-0.78	6.55E-01	M-2
ENSMMUG00000042925	LOC100429863	Uncharacterized Protein C4orf22	18.13	2.72	0.81	0.25	-3.46	1.56E-02	-2.12	1.96E-01	-1.61	5.94E-01	M-2
ENSMMUG00000021835	USO1	USO1 Vesicle Transport Factor	40.75	12.28	24.40	48.90	-2.48	1.60E-04	1.29	7.11E-02	0.29	8.78E-01	M-2
ENSMMUG00000000790			27.73	14.89	11.04	17.86	-1.46	3.15E-02	0.01	9.92E-01	0.11	9.64E-01	M-2
ENSMMUG00000019047	SPARCL1	SPARC Like 1	12.73	0.10	0.46	0.44	-6.72	2.23E-10	2.22	6.96E-02	0.90	7.26E-01	M-2
ENSMMUG00000040764	LOC100424103	Alcohol Dehydrogenase 1A-like	7.07	0.68	0.33	0.04	-4.51	1.07E-04	-0.27	8.87E-01	-3.27	8.25E-02	M-2
ENSMMUG00000047850	ADH1B	Alcohol Dehydrogenase 1B (class I), Beta Polypeptide	1.25	0.22	0.08	0.02	-4.18	3.95E-03	-1.73	3.16E-01	-1.42	6.48E-01	M-2
ENSMMUG00000019089	CENPE	Centromere Protein E	79.40	38.31	26.60	25.97	-1.40	2.87E-03	-0.08	9.14E-01	-0.54	5.33E-01	M-2
ENSMMUG00000040787			2.88	0.02	0.17	0.00	-9.13	6.97E-03	4.23	2.75E-01	-2.28	7.77E-01	M-2
ENSMMUG00000008177	PLA2G12A	Phospholipase A2 Group XIIA	15.37	0.84	2.63	6.47	-5.08	4.48E-06	2.25	6.97E-02	1.13	6.37E-01	M-2
ENSMMUG00000047534	ELOVL6	ELOVL Fatty Acid Elongase 6	22.27	4.27	6.71	12.82	-3.15	9.15E-03	0.25	8.89E-01	2.08	2.60E-01	M-2

ENSMMUG00000007294	SEC24D	SEC24 Homolog D, COPII Coat Complex Component	2.21	0.49	0.78	1.20	-2.72	7.54E-03	1.32	2.48E-01	-0.19	9.58E-01	M-2
ENSMMUG00000039320	LOC106998515	Uncharacterized LOC106998515	14.64	3.39	2.87	6.18	-4.87	1.66E-05	0.84	5.85E-01	-0.43	9.00E-01	M-2
ENSMMUG00000039094	TMEM154	Transmembrane Protein 154	0.83	0.04	0.04	0.44	-5.98	3.23E-02	0.79	8.47E-01	4.61	2.77E-01	M-2
ENSMMUG0000004934	MND1	Meiotic Nuclear Divisions 1	2.06	0.63	2.72	4.24	-2.51	1.48E-02	1.60	1.41E-01	1.69	2.79E-01	M-2
ENSMMUG0000009001	TMEM131L	Transmembrane 131 Like	18.42	5.49	1.48	0.50	-2.29	8.15E-03	-1.51	9.77E-02	-1.50	2.56E-01	M-2
ENSMMUG00000015847	TLR2	Toll Like Receptor 2	1.43	0.11	0.01	0.05	-6.19	2.42E-05	-2.40	2.23E-01	3.41	1.66E-01	M-2
ENSMMUG00000021717	VAPB	VAMP Associated Protein B And C	15.17	7.23	13.28	16.30	-1.78	2.09E-02	1.41	7.38E-02	0.45	8.06E-01	M-2
ENSMMUG00000004644	ETFDH	Electron Transfer Flavoprotein Dehydrogenase	13.62	5.65	1.92	3.89	-2.21	2.15E-02	-0.39	7.61E-01	0.05	9.89E-01	M-2
ENSMMUG00000015921	CBR4	Carbonyl Reductase 4	7.11	1.11	2.63	3.75	-2.77	1.93E-04	1.11	1.93E-01	-0.12	9.66E-01	M-2
ENSMMUG00000010232	C5H4orf27	Chromosome 5 Open Reading Frame, Human C4orf27	124.55	8.46	5.33	7.93	-4.32	3.50E-10	-1.13	1.71E-01	0.66	6.79E-01	M-2
ENSMMUG00000002401	SAP30	Sin3A Associated Protein 30	24.29	3.94	3.99	1.93	-2.76	6.29E-04	-1.00	2.97E-01	0.48	8.16E-01	M-2
ENSMMUG00000048816	HAND2	Heart And Neural Crest Derivatives Expressed 2	1.91	0.97	0.08	0.02	-4.25	1.18E-02	-0.90	6.91E-01	-4.55	5.13E-02	M-2
ENSMMUG00000007394	NEIL3	Nei Like DNA Glycosylase 3	43.50	8.51	7.41	7.13	-2.38	1.49E-02	-1.43	1.71E-01	0.77	7.11E-01	M-2
ENSMMUG00000012053			41.69	13.94	19.59	32.82	-2.33	5.00E-03	0.62	5.46E-01	1.32	3.23E-01	M-2
ENSMMUG00000039058	LOC701749	Protein FAM149A	4.28	0.86	1.15	1.11	-2.64	1.11E-02	0.82	5.12E-01	-0.47	8.61E-01	M-2
ENSMMUG00000022331	MCM3AP	Minichromosome Maintenance Complex Component 3 Associated Protein	25.11	7.69	13.26	6.65	-1.83	2.52E-03	-0.32	6.99E-01	-0.48	7.20E-01	M-2
ENSMMUG00000020654	WRB	Tryptophan Rich Basic Protein	60.48	11.50	13.00	11.16	-2.13	3.53E-03	0.14	8.94E-01	-0.46	7.96E-01	M-2
ENSMMUG00000017505	TTC3	Tetratricopeptide Repeat Domain 3	17.26	6.69	5.24	3.37	-1.40	2.68E-02	-0.86	2.04E-01	0.21	9.04E-01	M-2
ENSMMUG00000010336	DOPEY2	Dopey Family Member 2	8.26	2.51	1.72	1.72	-1.99	2.45E-03	-0.36	6.83E-01	-1.18	2.46E-01	M-2
ENSMMUG00000004605	CLIC6	Chloride Intracellular Channel 6	4.19	1.08	0.06	0.05	-6.73	3.25E-07	-1.36	4.55E-01	-3.72	6.94E-02	M-2
ENSMMUG00000004624	SYNJ1	Synaptojanin 1	33.87	6.58	8.88	9.52	-2.46	6.23E-11	0.45	3.46E-01	0.30	7.51E-01	M-2
ENSMMUG00000010304	C3H21orf59	Chromosome 3 Open Reading Frame, Human C21orf59	17.83	5.26	2.88	4.04	-1.48	2.74E-02	-1.21	7.53E-02	0.36	8.22E-01	M-2
ENSMMUG00000017056	SUN1	Sad1 And UNC84 Domain Containing 1	34.47	5.68	4.56	4.87	-2.39	3.25E-04	-0.35	7.06E-01	0.28	8.83E-01	M-2
ENSMMUG00000007970	CCZ1	CCZ1 Homolog, Vacuolar Protein Trafficking And Biogenesis Associated	117.95	37.42	24.87	18.07	-1.75	1.44E-03	-0.52	4.33E-01	-0.38	7.71E-01	M-2
ENSMMUG00000020086	POR	P450 (cytochrome) Oxidoreductase	18.01	6.08	3.37	4.03	-2.33	2.32E-02	-0.50	7.13E-01	-0.27	9.32E-01	M-2
ENSMMUG00000001003	RCC1L	RCC1 Like	2.66	0.40	0.81	1.56	-2.23	1.47E-02	0.42	7.29E-01	2.02	1.11E-01	M-2
ENSMMUG00000048526			1.43	0.45	0.17	0.03	-3.69	1.83E-02	-1.43	4.44E-01	-2.82	2.44E-01	M-2
ENSMMUG00000004591	LANCL2	LanC Like 2	24.07	12.44	11.29	7.02	-1.98	7.59E-03	0.57	5.31E-01	-0.04	9.88E-01	M-2
ENSMMUG00000000246	COBL	Cordon-bleu WH2 Repeat Protein	3.37	1.24	2.62	5.56	-2.10	2.96E-02	1.58	1.13E-01	-0.46	8.45E-01	M-2
ENSMMUG00000001799	CCM2	CCM2 Scaffolding Protein	10.15	1.34	4.62	13.08	-2.80	8.55E-03	0.82	5.27E-01	2.54	7.22E-02	M-2
ENSMMUG00000002651	OGDH	Oxoglutarate Dehydrogenase	16.92	7.83	9.02	11.36	-1.32	4.93E-02	0.59	4.38E-01	-0.21	9.10E-01	M-2
ENSMMUG00000002645			58.15	22.85	16.68	8.59	-1.66	2.67E-02	-0.76	3.72E-01	-0.87	5.11E-01	M-2
ENSMMUG00000000779	NUDCD3	NudC Domain Containing 3	1.06	0.43	1.53	2.41	-3.60	6.35E-03	1.35	3.84E-01	1.00	7.33E-01	M-2
ENSMMUG00000019023	COA1	Cytochrome C Oxidase Assembly Factor 1 Homolog (S. Cerevisiae)	47.49	5.68	5.40	7.57	-3.10	2.84E-06	-0.38	6.87E-01	0.00	9.99E-01	M-2
ENSMMUG000000044197	INHBA	Inhibin Beta A Subunit	1.20	0.97	0.11	0.06	-2.91	3.50E-02	-1.50	3.35E-01	0.38	9.29E-01	M-2
ENSMMUG000000011770	AVL9	AVL9 Cell Migration Associated	3.12	0.82	0.76	2.93	-2.35	2.34E-02	-0.24	8.71E-01	1.64	3.04E-01	M-2
ENSMMUG000000011761	MINDY4	MINDY Lysine 48 Deubiquitinase 4	2.59	0.40	0.24	0.37	-3.22	5.01E-03	0.26	8.81E-01	-0.27	9.50E-01	M-2

ENSMMUG00000046257			0.58	0.02	0.01	2.59	-5.26	4.21E-02	2.52	4.09E-01	5.49	1.13E-01	M-2
ENSMMUG00000013458	HOXA7	Homeobox A7	15.12	1.35	1.87	0.55	-3.79	1.72E-05	-1.31	2.07E-01	0.59	7.99E-01	M-2
ENSMMUG00000016938	GSDME	Gasdermin E	5.98	0.30	2.84	0.09	-3.42	5.94E-03	-2.26	1.05E-01	0.90	7.85E-01	M-2
ENSMMUG00000000517	FAM126A	Family With Sequence Similarity 126 Member A	4.93	1.65	3.66	4.79	-2.16	4.63E-02	1.38	2.33E-01	0.62	8.04E-01	M-2
ENSMMUG00000021684	SP4	Sp4 Transcription Factor	4.19	2.06	3.49	3.21	-2.78	1.61E-03	0.77	4.81E-01	0.18	9.54E-01	M-2
ENSMMUG00000039167	ETV1	ETS Variant 1	0.03	0.12	0.16	1.40	-4.37	4.43E-02	3.98	7.22E-02	0.75	8.98E-01	M-2
ENSMMUG00000011785	SEMA3C	Semaphorin 3C	1.58	0.35	0.16	0.56	-5.22	1.13E-03	0.48	8.40E-01	3.25	1.71E-01	M-2
ENSMMUG00000016393	CASD1	CAS1 Domain Containing 1	4.37	1.20	1.80	1.88	-2.93	9.06E-03	0.21	9.01E-01	0.95	6.88E-01	M-2
ENSMMUG00000008011	PON1	Paraoxonase 1	6.36	0.43	0.43	0.39	-5.78	1.99E-04	-1.94	3.47E-01	1.87	5.94E-01	M-2
ENSMMUG00000008013			2.56	1.12	0.45	0.17	-4.46	2.00E-02	3.48	8.78E-02	-4.33	1.16E-01	M-2
ENSMMUG00000022728	ZSCAN25	Zinc Finger And SCAN Domain Containing 25	3.51	0.98	1.97	1.47	-2.98	2.60E-02	-0.13	9.48E-01	1.75	4.35E-01	M-2
ENSMMUG00000018402	C3H7orf43	Chromosome 3 Open Reading Frame, Human C7orf43	3.15	0.71	1.20	1.78	-2.80	1.67E-02	0.44	7.85E-01	0.59	8.37E-01	M-2
ENSMMUG00000048302	AGFG2	ArfGAP With FG Repeats 2	81.28	10.29	9.90	6.14	-3.49	1.88E-05	-1.22	1.99E-01	-0.20	9.46E-01	M-2
ENSMMUG00000040482	GIGYF1	GRB10 Interacting GYF Protein 1	4.06	1.50	0.62	1.99	-2.41	3.57E-02	-1.28	3.16E-01	1.04	6.45E-01	M-2
ENSMMUG00000030385	MYL10	Myosin Light Chain 10	3.36	0.04	0.09	0.05	-7.46	1.67E-06	1.96	3.34E-01	-0.92	8.45E-01	M-2
ENSMMUG00000011831	PNPLA8	Patatin Like Phospholipase Domain Containing 8	16.96	5.82	6.19	3.54	-1.98	1.82E-03	-0.24	7.93E-01	-0.06	9.81E-01	M-2
ENSMMUG00000002440	FAM3C	Family With Sequence Similarity 3 Member C	33.27	12.34	18.41	27.48	-1.61	2.39E-02	0.56	5.04E-01	0.70	6.07E-01	M-2
ENSMMUG00000045906			1.66	0.01	0.01	0.87	-6.34	2.24E-03	1.04	7.37E-01	4.58	1.28E-01	M-2
ENSMMUG00000000917	AKR1B1	Aldo-keto Reductase Family 1 Member B	113.64	17.68	9.89	12.17	-2.81	1.14E-03	-0.98	3.36E-01	0.26	9.20E-01	M-2
ENSMMUG00000007557			23.93	13.40	6.67	4.01	-2.32	3.68E-02	0.88	5.09E-01	-2.41	1.23E-01	M-2
ENSMMUG00000006548	KIAA1549	KIAA1549 Ortholog	6.83	1.08	0.53	0.30	-3.20	6.98E-04	-1.17	2.91E-01	-1.13	5.31E-01	M-2
ENSMMUG00000043537			30.96	12.68	0.91	4.78	-3.46	1.78E-02	-1.92	2.49E-01	-0.02	9.97E-01	M-2
ENSMMUG00000012628	GSTK1	Glutathione S-transferase Kappa 1	3.20	0.55	0.60	0.66	-5.34	9.14E-04	2.13	2.56E-01	0.40	9.46E-01	M-2
ENSMMUG00000046317			10.32	2.93	0.51	0.29	-3.05	2.39E-02	-1.69	2.70E-01	-2.22	3.05E-01	M-2
ENSMMUG00000005136	TCAF1	TRPM8 Channel Associated Factor 1	28.17	4.44	2.22	11.53	-3.33	6.03E-04	-0.13	9.34E-01	1.24	4.88E-01	M-2
ENSMMUG00000018710	ZNF746	Zinc Finger Protein 746	28.82	4.61	3.23	3.81	-2.88	6.93E-05	-0.56	5.53E-01	0.36	8.57E-01	M-2
ENSMMUG00000018707			4.39	0.67	1.97	2.24	-3.11	3.56E-02	1.58	3.40E-01	-0.24	9.64E-01	M-2
ENSMMUG00000006682	CHPF2	Chondroitin Polymerizing Factor 2	1.10	0.13	0.39	0.98	-4.94	4.90E-03	1.74	4.01E-01	4.26	6.31E-02	M-2
ENSMMUG00000012238	GALNT11	Polypeptide N-acetylgalactosaminyltransferase 11	37.19	10.52	19.89	36.18	-2.28	1.66E-03	1.19	1.31E-01	0.22	9.20E-01	M-2
ENSMMUG00000007212	KMT2C	Lysine Methyltransferase 2C	128.13	53.59	31.82	30.93	-1.39	2.63E-03	-0.49	3.73E-01	-0.28	8.04E-01	M-2
ENSMMUG00000000752	PDCD6	Programmed Cell Death 6	15.09	3.47	7.85	4.98	-2.40	2.42E-03	1.06	2.37E-01	0.41	8.42E-01	M-2
ENSMMUG00000005199	LPCAT1	Lysophosphatidylcholine Acyltransferase 1	16.09	6.68	11.29	13.69	-1.74	2.25E-02	1.46	5.78E-02	-0.55	7.40E-01	M-2
ENSMMUG00000018745	C6H5orf49	Chromosome 6 Open Reading Frame, Human C5orf49	3.57	0.00	0.19	0.44	-7.03	2.15E-03	2.82	3.08E-01	0.74	9.13E-01	M-2
ENSMMUG00000021942	ANKH	ANKH Inorganic Pyrophosphate Transport Regulator	5.73	1.32	2.99	5.99	-2.68	4.50E-03	0.92	4.09E-01	1.37	3.86E-01	M-2
ENSMMUG00000013467	AMACR	Alpha-methylacyl-CoA Racemase	0.70	0.19	0.60	0.80	-3.32	4.88E-02	1.91	2.95E-01	1.98	4.83E-01	M-2
ENSMMUG00000030136			3.95	1.05	2.44	1.81	-1.77	3.44E-02	0.97	2.93E-01	0.35	8.74E-01	M-2
ENSMMUG00000004860	FST	Follistatin	4.28	0.15	0.18	0.21	-6.20	4.28E-05	-0.20	9.38E-01	0.37	9.47E-01	M-2
ENSMMUG00000017386	DDX4	DEAD-box Helicase 4	19.13	6.46	5.31	2.83	-2.44	1.56E-03	0.34	7.48E-01	-1.40	2.39E-01	M-2
ENSMMUG00000016522	NLN	Neurolysin	3.40	1.37	7.07	9.28	-1.90	3.03E-02	1.32	1.49E-01	2.16	5.29E-02	M-2
ENSMMUG00000048478			25.75	2.51	1.43	0.80	-2.99	4.00E-02	-1.89	2.63E-01	-0.31	9.57E-01	M-2
ENSMMUG00000015175	MCCC2	Methylcrotonoyl-CoA Carboxylase 2	12.93	4.31	2.93	2.76	-2.01	2.68E-02	-1.44	1.28E-01	1.91	1.23E-01	M-2
ENSMMUG00000015433	TMEM171	Transmembrane Protein 171	23.90	0.36	0.31	0.11	-6.29	1.38E-11	-0.65	6.45E-01	-1.71	3.85E-01	M-2
ENSMMUG00000006146	POC5	POC5 Centriolar Protein	22.85	9.06	5.96	5.93	-1.88	9.76E-03	-0.71	4.02E-01	0.40	8.25E-01	M-2

ENSMMUG00000019887	SV2C	Synaptic Vesicle Glycoprotein 2C	1.66	0.58	0.04	0.02	-5.81	7.88E-04	-0.05	9.88E-01	-4.53	9.41E-02	M-2
ENSMMUG00000020180	CETN3	Centrin 3	23.11	6.74	16.56	9.63	-3.24	2.45E-03	2.05	7.07E-02	0.01	9.99E-01	M-2
ENSMMUG00000006209	NR2F1	Nuclear Receptor Subfamily 2 Group F Member 1	0.35	0.01	0.59	0.98	-5.07	4.19E-02	2.50	3.90E-01	3.10	4.40E-01	M-2
ENSMMUG00000005312	GLRX	Glutaredoxin	20.25	2.53	4.50	24.17	-4.05	1.15E-03	1.52	2.95E-01	2.62	1.51E-01	M-2
ENSMMUG00000018542	LNPEP	Leucyl And Cystinyl Aminopeptidase	4.27	1.74	0.96	0.45	-3.06	7.22E-03	-0.45	7.76E-01	-1.11	6.27E-01	M-2
ENSMMUG00000020502	KCNN2	Potassium Calcium-activated Channel Subfamily N Member 2	16.06	2.80	2.64	0.38	-2.98	9.40E-03	-0.96	4.85E-01	-0.87	7.35E-01	M-2
ENSMMUG00000017684	TNFAIP8	TNF Alpha Induced Protein 8	10.33	1.19	1.54	1.37	-2.81	1.31E-03	-1.48	1.23E-01	1.28	4.04E-01	M-2
ENSMMUG00000007899	GRAMD2B	GRAM Domain Containing 2B	3.40	0.70	0.63	1.10	-3.04	4.81E-02	-0.72	7.27E-01	0.68	8.63E-01	M-2
ENSMMUG000000037456	ISOC1	Isochorismatase Domain Containing 1	3.96	0.93	2.17	4.91	-2.06	2.66E-02	0.73	5.09E-01	1.23	4.31E-01	M-2
ENSMMUG000000047956	CDC42SE2	CDC42 Small Effector 2	24.38	6.66	14.37	19.08	-1.95	1.41E-04	0.65	2.87E-01	0.16	9.19E-01	M-2
ENSMMUG000000003133	IL4	Interleukin 4	4.07	0.46	3.57	0.02	-5.45	3.86E-03	-4.15	5.20E-02	4.15	1.90E-01	M-2
ENSMMUG000000038078	TXNDC15	Thioredoxin Domain Containing 15	1.40	0.47	0.77	1.40	-2.75	7.73E-03	1.48	1.90E-01	-0.12	9.74E-01	M-2
ENSMMUG00000001951	SLC25A48	Solute Carrier Family 25 Member 48	3.32	0.07	0.04	0.04	-5.87	4.39E-04	-1.12	6.37E-01	0.62	9.12E-01	M-2
ENSMMUG00000001344	SPOCK1	SPARC/osteonectin, Cwcv And Kazal Like Domains Proteoglycan 1	5.58	0.81	0.26	0.13	-3.62	3.68E-03	-1.77	2.27E-01	-0.76	8.27E-01	M-2
ENSMMUG000000011925	KLHL3	Kelch Like Family Member 3	13.64	1.59	2.54	0.17	-4.27	7.88E-04	-0.58	7.46E-01	-2.88	1.32E-01	M-2
ENSMMUG000000018744	DNAJC18	DnaJ Heat Shock Protein Family (Hsp40) Member C18	4.51	0.92	0.45	0.04	-3.87	1.84E-02	-1.20	5.62E-01	-3.75	1.21E-01	M-2
ENSMMUG000000014636	PSD2	Pleckstrin And Sec7 Domain Containing 2	3.12	1.06	0.36	0.57	-3.81	8.40E-04	-1.10	4.36E-01	0.80	7.71E-01	M-2
ENSMMUG000000022471			4.68	0.39	0.61	1.14	-7.50	3.02E-03	-0.20	9.62E-01	-2.42	6.48E-01	M-2
ENSMMUG000000021663	PCYOX1L	Prenylcysteine Oxidase 1 Like	3.92	0.46	0.10	1.34	-4.08	1.61E-03	-1.79	2.55E-01	2.39	2.56E-01	M-2
ENSMMUG000000023568	TIMD4	T-cell Immunoglobulin And Mucin Domain Containing 4	2.14	0.36	1.36	0.75	-3.22	4.96E-03	0.68	6.50E-01	0.19	9.64E-01	M-2
ENSMMUG000000021700	UBLCP1	Ubiquitin Like Domain Containing CTD Phosphatase 1	13.55	4.04	6.14	4.48	-1.64	7.13E-03	0.22	7.99E-01	0.47	7.27E-01	M-2
ENSMMUG000000000137	SNCB	Synuclein Beta	1.75	0.33	0.05	0.10	-7.16	3.67E-05	0.50	8.59E-01	-0.33	9.64E-01	M-2
ENSMMUG000000018758	RMND5B	Required For Meiotic Nuclear Division 5 Homolog B	3.38	0.88	0.91	2.29	-2.47	1.39E-02	0.08	9.58E-01	0.93	6.45E-01	M-2
ENSMMUG00000002484	ZNF879	Zinc Finger Protein 879	2.81	0.34	0.30	0.71	-3.68	8.59E-04	-0.64	6.69E-01	1.42	4.84E-01	M-2
ENSMMUG000000012374	MGAT4B	Mannosyl (alpha-1,3-)-glycoprotein Beta-1,4-N-acetylglucosaminyltransferase, Isozyme B	11.32	1.15	3.90	2.41	-3.63	4.86E-05	0.34	7.95E-01	0.91	6.30E-01	M-2
ENSMMUG000000021055	SQSTM1	Sequestosome 1	18.68	2.38	2.85	1.63	-3.06	4.87E-04	-0.55	6.39E-01	-0.06	9.86E-01	M-2
ENSMMUG000000040959	LOC723029	Butyrophilin-like Protein 9	2.67	0.02	0.04	0.31	-6.41	4.01E-04	0.19	9.54E-01	3.50	2.15E-01	M-2
ENSMMUG000000031833	LOC723031	Butyrophilin-like Protein 9	2.04	0.04	0.04	0.21	-4.33	2.30E-02	-2.28	3.29E-01	4.85	5.82E-02	M-2
ENSMMUG000000023558	EXOC2	Exocyst Complex Component 2	7.19	2.50	1.06	3.58	-2.36	3.35E-02	-1.48	2.16E-01	1.73	3.15E-01	M-2
ENSMMUG000000014019	FAM217A	Family With Sequence Similarity 217 Member A	1.76	0.58	0.94	0.15	-4.41	3.69E-03	-2.51	1.86E-01	-0.03	9.97E-01	M-2
ENSMMUG000000042312			1.58	2.64	0.19	0.15	-5.44	2.66E-02	1.02	7.65E-01	-5.82	8.58E-02	M-2
ENSMMUG000000021601			5.79	2.06	1.69	3.34	-3.49	1.38E-02	0.34	8.68E-01	1.80	4.61E-01	M-2
ENSMMUG000000040125	C4H6orf52	Chromosome 4 Open Reading Frame, Human C6orf52	31.35	4.21	4.50	1.47	-2.87	2.52E-04	-0.13	9.16E-01	-1.58	1.95E-01	M-2

ENSMMUG00000005406	TBC1D7	TBC1 Domain Family Member 7	13.24	3.70	3.24	3.36	-2.31	3.86E-03	0.40	7.14E-01	-0.30	8.98E-01	M-2
ENSMMUG000000047180			12.96	0.83	0.11	0.12	-7.32	1.14E-03	0.32	9.34E-01	0.30	9.73E-01	M-2
ENSMMUG00000005964	CMAH	CMP-N-acetylneuraminic Acid Hydroxylase	15.74	4.83	2.49	0.35	-3.00	2.43E-02	-0.82	6.20E-01	-1.13	6.79E-01	M-2
ENSMMUG000000011520	FKBP5	FK506 Binding Protein 5	5.79	1.59	3.14	3.57	-3.50	2.43E-03	2.16	7.85E-02	0.51	8.71E-01	M-2
ENSMMUG000000015384	CLPS	Colipase	1.60	0.78	1.44	9.77	-3.35	2.00E-02	1.79	2.73E-01	2.14	3.36E-01	M-2
ENSMMUG000000011575	CCDC167	Coiled-coil Domain Containing 167	16.48	2.26	4.01	9.35	-3.20	1.02E-02	0.38	8.29E-01	2.31	2.09E-01	M-2
ENSMMUG000000048397			1.40	0.06	5.09	0.59	-4.71	3.80E-02	0.47	8.90E-01	1.91	6.85E-01	M-2
ENSMMUG00000001634	BTBD9	BTB Domain Containing 9	4.27	0.80	1.37	2.44	-2.95	1.14E-03	0.18	8.99E-01	1.34	3.92E-01	M-2
ENSMMUG000000013922	TREML2	Triggering Receptor Expressed On Myeloid Cells Like 2	2.12	0.17	2.45	2.90	-5.53	1.03E-05	0.07	9.74E-01	2.22	2.80E-01	M-2
ENSMMUG000000012417	FRS3	Fibroblast Growth Factor Receptor Substrate 3	4.95	1.05	1.18	0.35	-2.81	4.73E-02	0.58	7.54E-01	-2.58	2.10E-01	M-2
ENSMMUG000000002458	MUT	Methylmalonyl-CoA Mutase	8.94	1.79	7.16	3.45	-2.23	5.92E-03	0.24	8.37E-01	0.61	7.39E-01	M-2
ENSMMUG000000046051	GLYATL3	Glycine-N-acyltransferase Like 3	2.97	0.76	0.12	0.03	-3.31	4.67E-02	-2.00	2.94E-01	-2.70	3.40E-01	M-2
ENSMMUG000000005573	LMBRD1	LMBR1 Domain Containing 1	15.67	5.34	6.19	6.46	-2.13	1.60E-03	1.30	7.18E-02	-1.62	8.54E-02	M-2
ENSMMUG000000010084	KHDC3L	KH Domain Containing 3 Like, Subcortical Maternal Complex Member	142.16	40.02	29.72	58.49	-2.56	1.26E-03	-1.43	9.56E-02	1.67	1.49E-01	M-2
ENSMMUG000000019457	EZR	Ezrin	151.87	60.84	79.58	157.75	-1.64	5.17E-03	0.96	1.27E-01	0.37	7.92E-01	M-2
ENSMMUG000000007153	SYNJ2	Synaptojanin 2	14.34	4.14	1.76	6.27	-2.05	8.26E-03	-0.72	4.36E-01	1.26	3.00E-01	M-2
ENSMMUG000000047033	ULBP3	UL16 Binding Protein 3	5.75	1.89	0.14	0.19	-5.51	1.40E-06	-1.86	1.86E-01	-0.61	8.59E-01	M-2
ENSMMUG000000000123	NHSL1	NHS Like 1	11.30	2.78	10.00	8.01	-1.91	6.50E-03	1.28	8.18E-02	0.01	9.97E-01	M-2
ENSMMUG000000029439			24.93	5.61	7.62	4.55	-2.67	6.44E-05	0.62	4.65E-01	-0.70	6.20E-01	M-2
ENSMMUG000000003709	MTFR2	Mitochondrial Fission Regulator 2	25.49	4.97	5.21	4.89	-2.10	6.61E-05	-0.48	4.72E-01	0.24	8.75E-01	M-2
ENSMMUG000000015354	RNF146	Ring Finger Protein 146	6.75	1.70	2.69	4.90	-2.67	2.42E-02	1.26	3.43E-01	0.09	9.82E-01	M-2
ENSMMUG000000013304	MAN1A1	Mannosidase Alpha Class 1A Member 1	3.05	0.63	0.38	0.47	-2.42	2.80E-02	-1.71	1.44E-01	1.33	4.98E-01	M-2
ENSMMUG000000013302	FAM184A	Family With Sequence Similarity 184 Member A	4.29	1.17	3.00	4.29	-2.92	8.44E-04	1.66	7.79E-02	-0.39	8.72E-01	M-2
ENSMMUG000000008525	MCM9	Minichromosome Maintenance 9 Homologous Recombination Repair Factor	6.07	1.51	1.94	1.32	-2.39	1.26E-02	-0.21	8.78E-01	-0.95	6.07E-01	M-2
ENSMMUG000000003072	GPRC6A	G Protein-coupled Receptor Class C Group 6 Member A	1.61	2.45	0.04	0.02	-4.91	9.25E-03	-1.43	5.67E-01	-3.56	2.56E-01	M-2
ENSMMUG000000020538	FIG4	FIG4 Phosphoinositide 5-phosphatase	4.94	2.10	0.99	2.95	-2.36	3.40E-02	-0.19	9.07E-01	0.38	9.02E-01	M-2
ENSMMUG000000012837	WTAP	WT1 Associated Protein	25.05	13.26	11.49	14.25	-1.23	4.23E-02	-0.34	6.50E-01	0.56	6.33E-01	M-2
ENSMMUG000000015662	SLC22A1	Solute Carrier Family 22 Member 1	3.26	0.57	0.11	0.03	-3.77	6.42E-04	-2.38	6.92E-02	-2.23	2.49E-01	M-2
ENSMMUG000000040051			2.76	0.47	0.12	0.05	-4.05	7.22E-03	-2.08	2.37E-01	0.93	8.13E-01	M-2
ENSMMUG000000011739	MPC1	Mitochondrial Pyruvate Carrier 1	20.35	2.33	1.71	3.67	-3.12	1.55E-02	-1.72	2.45E-01	0.12	9.79E-01	M-2
ENSMMUG000000005670	RPS6KA2	Ribosomal Protein S6 Kinase A2	3.54	0.49	0.30	0.16	-3.79	7.59E-03	-0.37	8.56E-01	-0.71	8.46E-01	M-2
ENSMMUG000000005673	RNASET2	Ribonuclease T2	1.62	0.38	0.33	1.39	-2.59	2.11E-02	-0.32	8.39E-01	1.81	2.93E-01	M-2
ENSMMUG000000021044	AFDN	Afadin, Adherens Junction Formation Factor	24.10	14.13	17.21	21.30	-0.91	2.84E-02	0.47	3.10E-01	-0.04	9.76E-01	M-2
ENSMMUG000000019916	PDCD2	Programmed Cell Death 2	22.28	2.94	8.59	14.59	-2.59	4.30E-04	1.37	8.70E-02	0.24	9.12E-01	M-2
ENSMMUG000000012027	OCA2	OCA2 Melanosomal Transmembrane Protein	3.12	0.86	0.52	0.26	-2.99	4.14E-02	-1.99	2.08E-01	-0.43	9.20E-01	M-2
ENSMMUG000000019339	APBA2	Amyloid Beta Precursor Protein Binding Family A Member 2	3.62	0.20	0.17	0.05	-4.79	4.80E-05	-1.17	4.57E-01	-0.56	8.87E-01	M-2

ENSMMUG00000005278	AVEN	Apoptosis And Caspase Activation Inhibitor	40.78	3.66	2.54	3.06	-3.67	2.16E-04	-1.52	1.80E-01	1.21	5.22E-01	M-2
ENSMMUG00000017070	ZSCAN29	Zinc Finger And SCAN Domain Containing 29	9.39	3.44	4.23	2.33	-1.47	4.29E-02	-0.46	5.98E-01	-0.14	9.58E-01	M-2
ENSMMUG00000028568	MIR147B	MicroRNA 147b	49.21	0.63	1.38	0.20	-8.70	8.24E-06	2.44	3.29E-01	-2.70	4.76E-01	M-2
ENSMMUG00000002876	SLC27A2	Solute Carrier Family 27 Member 2	3.97	0.58	0.08	0.00	-3.94	1.40E-02	-3.27	8.68E-02	-3.46	1.99E-01	M-2
ENSMMUG00000029628	CCNB2	Cyclin B2	136.51	41.47	35.22	26.26	-1.74	3.77E-05	-0.13	8.41E-01	-0.56	4.81E-01	M-2
ENSMMUG00000021338	CA12	Carbonic Anhydrase 12	5.48	1.11	0.25	0.04	-4.94	8.58E-06	-0.87	5.61E-01	-3.05	6.32E-02	M-2
ENSMMUG00000005749	PARP16	Poly(ADP-ribose) Polymerase Family Member 16	11.64	2.10	2.38	0.66	-2.58	6.36E-03	-0.60	6.19E-01	-1.11	5.22E-01	M-2
ENSMMUG00000016840	MAP2K1	Mitogen-activated Protein Kinase Kinase 1	115.08	29.51	25.72	11.81	-1.75	1.73E-02	-1.35	7.38E-02	0.44	8.00E-01	M-2
ENSMMUG00000038622			5.94	0.32	3.12	4.06	-6.49	5.55E-04	2.64	2.34E-01	3.76	1.68E-01	M-2
ENSMMUG00000007570	UACA	Uveal Autoantigen With Coiled-coil Domains And Ankyrin Repeats	6.21	0.94	0.91	5.05	-2.88	5.23E-04	0.31	7.95E-01	1.48	2.59E-01	M-2
ENSMMUG00000000490	SENP8	SUMO/sentrin Peptidase Family Member, NEDD8 Specific	6.11	5.40	0.77	1.04	-2.84	3.05E-02	-0.65	7.04E-01	-0.96	7.35E-01	M-2
ENSMMUG00000040970	LOC707197	Putative Golgin Subfamily A Member 6C	8.59	2.98	2.17	0.59	-3.10	3.50E-03	-2.02	7.50E-02	0.52	8.52E-01	M-2
ENSMMUG00000010172	TSPAN3	Tetraspanin 3	27.56	3.83	8.29	13.19	-3.12	2.16E-06	0.18	8.56E-01	1.34	1.99E-01	M-2
ENSMMUG00000045870			17.19	3.94	9.22	7.10	-2.67	4.96E-02	-0.59	7.41E-01	0.61	8.59E-01	M-2
ENSMMUG00000014204	DNAJA4	DnaJ Heat Shock Protein Family (Hsp40) Member A4	18.88	3.48	2.64	2.91	-2.51	2.09E-02	-2.10	5.68E-02	1.01	6.37E-01	M-2
ENSMMUG00000009361	FAH	Fumarylacetoacetate Hydrolase	10.46	4.11	7.56	5.49	-1.15	2.86E-02	1.00	5.75E-02	-0.56	5.58E-01	M-2
ENSMMUG00000011560	STARD5	StAR Related Lipid Transfer Domain Containing 5	2.20	1.49	0.69	1.66	-5.53	1.48E-03	2.02	3.30E-01	-1.45	7.02E-01	M-2
ENSMMUG00000015890	C7H15orf40	Chromosome 7 Open Reading Frame, Human C15orf40	3.50	0.94	1.85	2.28	-2.83	1.16E-02	1.55	2.03E-01	1.79	3.09E-01	M-2
ENSMMUG00000009084	TM6SF1	Transmembrane 6 Superfamily Member 1	2.48	0.08	0.15	0.11	-7.03	6.39E-05	2.41	2.54E-01	-0.72	8.98E-01	M-2
ENSMMUG00000000556	HAPLN3	Hyaluronan And Proteoglycan Link Protein 3	0.39	0.00	0.75	0.94	-6.08	2.42E-03	3.67	9.85E-02	2.44	4.71E-01	M-2
ENSMMUG00000014831	ZNF710	Zinc Finger Protein 710	3.74	1.11	2.26	2.30	-2.50	1.71E-02	1.53	1.72E-01	-0.82	7.13E-01	M-2
ENSMMUG00000005220	SYNM	Synemin	15.91	3.07	2.27	0.66	-2.40	2.91E-03	-1.05	2.49E-01	-1.96	7.64E-02	M-2
ENSMMUG00000015442			28.76	3.85	10.49	7.08	-3.63	1.45E-04	-1.10	3.47E-01	1.10	5.62E-01	M-2
ENSMMUG00000022550	PRKD1	Protein Kinase D1	4.91	0.61	0.36	0.29	-4.12	2.17E-04	-0.63	6.91E-01	0.09	9.84E-01	M-2
ENSMMUG00000019692	SCFD1	Sec1 Family Domain Containing 1	33.43	14.80	20.26	13.24	-1.34	4.70E-02	0.74	3.19E-01	-0.52	7.12E-01	M-2
ENSMMUG00000041943			130.68	70.14	35.77	28.51	-1.20	3.90E-02	-1.12	5.14E-02	-0.25	8.67E-01	M-2
ENSMMUG00000020374	NFKBIA	NFKB Inhibitor Alpha	75.64	13.32	8.81	3.85	-2.97	4.10E-04	-0.04	9.80E-01	-0.35	8.84E-01	M-2
ENSMMUG00000017677	C7H14orf28	Chromosome 7 Open Reading Frame, Human C14orf28	0.94	0.22	0.92	0.61	-3.02	1.77E-02	1.67	2.29E-01	1.14	6.54E-01	M-2
ENSMMUG00000029358	SAV1	Salvador Family WW Domain Containing Protein 1	37.60	9.40	17.50	7.00	-2.41	1.42E-03	0.72	4.32E-01	-1.17	3.51E-01	M-2
ENSMMUG00000010689			99.27	39.86	67.78	47.34	-1.56	3.38E-02	0.98	2.08E-01	-0.57	7.07E-01	M-2
ENSMMUG00000004594	CGRRF1	Cell Growth Regulator With Ring Finger Domain 1	1.73	0.66	1.64	1.86	-2.97	2.24E-02	2.47	5.81E-02	2.31	2.22E-01	M-2
ENSMMUG00000023041	TBPL2	TATA-box Binding Protein Like 2	10.68	0.41	1.49	0.13	-4.99	2.36E-05	-1.89	1.90E-01	0.23	9.64E-01	M-2
ENSMMUG00000003509	PSMA3	Proteasome Subunit Alpha 3	113.78	60.76	66.21	72.67	-0.87	4.98E-02	-0.03	9.64E-01	0.05	9.75E-01	M-2
ENSMMUG00000001090	DACT1	Dishevelled Binding Antagonist Of Beta Catenin 1	0.60	0.14	0.45	3.76	-3.05	2.96E-02	1.80	2.38E-01	2.96	1.19E-01	M-2

ENSMMUG00000021070	DAAM1	Dishevelled Associated Activator Of Morphogenesis 1	41.41	11.47	5.68	8.47	-1.74	4.21E-03	-1.07	9.85E-02	0.49	7.08E-01	M-2
ENSMMUG00000010464	PPM1A	Protein Phosphatase, Mg2+/Mn2+ Dependent 1A	10.72	5.41	9.81	5.34	-1.03	4.63E-02	0.50	3.89E-01	-0.39	7.23E-01	M-2
ENSMMUG00000002260	PRKCH	Protein Kinase C Eta	1.84	0.11	0.38	0.50	-5.85	1.78E-04	1.20	5.54E-01	2.40	3.66E-01	M-2
ENSMMUG00000015873	RAD51B	RAD51 Paralog B	3.74	1.01	0.77	0.84	-3.03	1.98E-02	-0.89	5.87E-01	0.60	8.64E-01	M-2
ENSMMUG00000017430	SMOC1	SPARC Related Modular Calcium Binding 1	3.91	0.79	0.26	0.05	-3.24	1.80E-02	-1.48	3.47E-01	-1.29	6.57E-01	M-2
ENSMMUG00000046579			1.56	0.11	0.27	0.27	-5.23	4.07E-02	2.24	4.54E-01	-1.65	7.83E-01	M-2
ENSMMUG00000004910	DNAL1	Dynein Axonemal Light Chain 1	2.04	0.19	0.26	0.13	-4.11	8.66E-04	0.90	5.86E-01	-1.58	5.28E-01	M-2
ENSMMUG00000006566	ISCA2	Iron-sulfur Cluster Assembly 2	50.44	9.72	28.66	14.87	-2.52	1.18E-02	1.56	1.42E-01	-0.82	6.95E-01	M-2
ENSMMUG00000004259	PROX2	Prospero Homeobox 2	1.67	0.30	0.04	0.08	-4.16	1.35E-02	-1.93	3.48E-01	-1.29	7.57E-01	M-2
ENSMMUG00000048938	ACYP1	Acylphosphatase 1	4.08	1.53	1.01	5.26	-4.65	6.95E-03	1.29	5.49E-01	0.65	8.95E-01	M-2
ENSMMUG000000023627	ADCK1	AarF Domain Containing Kinase 1	1.25	0.36	1.06	1.71	-3.73	5.89E-03	1.85	2.19E-01	-0.04	9.94E-01	M-2
ENSMMUG00000008964	DGLUCY	D-glutamate Cyclase	5.13	1.12	0.91	1.25	-2.58	7.36E-03	-1.65	1.08E-01	1.85	1.95E-01	M-2
ENSMMUG00000012388	UNC79	Unc-79 Homolog, NALCN Channel Complex Subunit	1.20	0.11	0.16	0.35	-3.94	1.09E-03	0.20	9.17E-01	0.02	9.98E-01	M-2
ENSMMUG000000023780	IFI27	Interferon Alpha Inducible Protein 27	6.29	0.20	0.02	0.16	-6.51	3.97E-02	-0.23	9.62E-01	1.86	8.05E-01	M-2
ENSMMUG00000005845	RCOR1	REST Corepressor 1	44.40	15.66	21.31	30.63	-1.82	6.97E-04	0.50	4.48E-01	0.74	4.39E-01	M-2
ENSMMUG00000011752	TRAF3	TNF Receptor Associated Factor 3	11.65	1.75	1.14	1.09	-2.95	1.66E-04	-0.61	5.48E-01	-0.57	7.64E-01	M-2
ENSMMUG00000018121	ZFYVE21	Zinc Finger FYVE-type Containing 21	23.43	3.12	11.93	10.60	-3.36	2.23E-03	1.54	2.14E-01	-0.45	8.83E-01	M-2
ENSMMUG00000043795	ARSH	Arylsulfatase Family Member H	5.96	0.45	0.13	0.03	-5.39	1.64E-04	-1.09	5.69E-01	0.20	9.74E-01	M-2
ENSMMUG00000018194	PNPLA4	Patatin Like Phospholipase Domain Containing 4	28.24	5.69	3.99	1.70	-2.65	3.99E-02	-2.46	5.90E-02	2.13	2.81E-01	M-2
ENSMMUG000000022616	TCEANC	Transcription Elongation Factor A N-terminal And Central Domain Containing	16.33	3.72	1.61	2.26	-2.08	4.33E-02	-1.40	2.01E-01	0.92	6.48E-01	M-2
ENSMMUG00000005263	CXHXorf38	Chromosome X Open Reading Frame, Human CXorf38	13.45	6.07	2.95	6.17	-1.90	3.22E-02	-1.05	2.79E-01	1.44	2.77E-01	M-2
ENSMMUG00000010617	CCDC120	Coiled-coil Domain Containing 120	11.57	2.84	1.53	2.06	-2.01	4.21E-02	-1.01	3.58E-01	0.56	8.06E-01	M-2
ENSMMUG00000017358	BMP15	Bone Morphogenetic Protein 15	339.64	35.73	16.76	1.39	-3.48	1.11E-05	-1.43	1.10E-01	-2.09	6.20E-02	M-2
ENSMMUG00000007345	MAGED2	MAGE Family Member D2	1.95	0.27	0.57	0.68	-3.93	5.38E-03	-0.45	8.26E-01	3.09	1.15E-01	M-2
ENSMMUG000000023236	CHIC1	Cysteine Rich Hydrophobic Domain 1	4.57	0.22	0.04	0.00	-6.49	1.38E-03	-0.96	7.61E-01	-2.10	6.49E-01	M-2
ENSMMUG000000021204	UPRT	Uracil Phosphoribosyltransferase Homolog	1.33	0.12	0.40	0.78	-4.59	4.87E-02	0.48	8.86E-01	1.28	8.12E-01	M-2
ENSMMUG00000009671			2.71	0.95	0.79	0.47	-1.64	3.58E-03	-0.59	3.79E-01	-0.06	9.76E-01	M-2
ENSMMUG00000016777	LOC694923	Dachshund Homolog 2	2.02	0.03	0.02	0.30	-5.20	7.07E-03	-2.32	3.39E-01	3.14	3.24E-01	M-2
ENSMMUG00000018770	TCEAL2	Transcription Elongation Factor A Like 2	12.39	2.01	2.89	2.53	-3.00	3.07E-02	-0.12	9.54E-01	-0.84	7.96E-01	M-2
ENSMMUG000000038049			3.10	0.12	0.56	1.45	-4.18	4.90E-02	-3.23	1.81E-01	4.80	1.00E-01	M-2
ENSMMUG000000039832			4.66	0.16	0.96	0.63	-6.93	1.47E-02	3.90	2.15E-01	-0.20	9.85E-01	M-2
ENSMMUG000000045572			12.20	7.32	7.86	7.13	-1.08	2.80E-02	0.50	3.76E-01	-0.50	5.99E-01	M-2
ENSMMUG00000000903	LHFPL1	LHFPL Tetraspan Subfamily Member 1	4.04	1.88	0.12	0.02	-2.96	3.92E-02	-2.11	1.90E-01	-3.35	1.30E-01	M-2
ENSMMUG000000022286			1.33	0.55	1.09	0.95	-3.17	4.80E-02	1.53	4.23E-01	-1.88	4.97E-01	M-2
ENSMMUG000000023039	PLAC1	Placenta Specific 1	2.63	0.07	0.21	0.18	-6.52	6.96E-05	0.47	8.56E-01	1.71	6.45E-01	M-2
ENSMMUG00000018717	ZNF75D	Zinc Finger Protein 75D	0.76	0.20	0.25	0.60	-1.90	2.98E-02	0.94	3.41E-01	1.05	5.00E-01	M-2
ENSMMUG00000004633	HMGB3	High Mobility Group Box 3	127.65	32.86	35.14	33.57	-2.11	6.71E-04	0.05	9.60E-01	0.28	8.70E-01	M-2
ENSMMUG00000018704	MECP2	Methyl-CpG Binding Protein 2	11.07	4.07	5.07	2.87	-1.76	2.77E-02	0.92	3.00E-01	-1.02	4.50E-01	M-2
ENSMMUG000000040340			21.50	5.61	8.04	13.30	-2.88	4.15E-02	-0.19	9.30E-01	1.07	7.21E-01	M-2
ENSMMUG00000009013	SLC10A3	Solute Carrier Family 10 Member 3	4.47	1.48	1.94	1.82	-2.87	2.49E-02	-0.19	9.22E-01	-0.06	9.91E-01	M-2

ENSMMUG00000016708			10.09	1.96	1.07	1.24	-2.88	2.09E-02	-2.06	1.14E-01	0.95	7.23E-01	M-2
ENSMMUG00000001878	MTMR7	Myotubularin Related Protein 7	2.24	0.44	0.81	0.76	-2.52	2.71E-02	0.97	4.65E-01	-0.20	9.61E-01	M-2
ENSMMUG00000001153	PDGFRL	Platelet Derived Growth Factor Receptor Like	21.00	2.83	0.45	0.19	-4.60	1.48E-03	-0.34	8.79E-01	-3.61	1.03E-01	M-2
ENSMMUG000000020000	ATP6V1B2	ATPase H+ Transporting V1 Subunit B2	29.94	9.41	17.87	41.86	-1.71	2.26E-03	0.48	4.83E-01	1.19	1.41E-01	M-2
ENSMMUG000000014442	PPP3CC	Protein Phosphatase 3 Catalytic Subunit Gamma	14.48	2.51	1.98	6.79	-3.05	1.91E-03	-0.09	9.56E-01	1.87	2.09E-01	M-2
ENSMMUG000000021994	BIN3	Bridging Integrator 3	17.68	5.13	2.86	2.07	-1.79	3.40E-02	-0.71	4.71E-01	-0.95	5.22E-01	M-2
ENSMMUG000000010582	CDCA2	Cell Division Cycle Associated 2	23.03	5.57	17.68	11.30	-1.78	6.26E-03	0.44	5.86E-01	0.42	7.85E-01	M-2
ENSMMUG000000021516	CLU	Clusterin	8.51	0.84	0.13	0.15	-5.60	1.01E-07	-2.06	1.17E-01	1.74	4.23E-01	M-2
ENSMMUG000000016019	PBK	PDZ Binding Kinase	4.51	1.38	4.08	4.48	-2.07	2.44E-02	0.62	5.81E-01	1.72	2.00E-01	M-2
ENSMMUG00000007480	ZNF395	Zinc Finger Protein 395	2.54	0.37	0.80	1.05	-2.63	9.57E-03	0.48	7.22E-01	0.90	6.68E-01	M-2
ENSMMUG000000013735	DCTN6	Dynactin Subunit 6	116.65	65.95	42.93	24.30	-1.37	4.70E-02	-0.63	4.16E-01	-0.48	7.49E-01	M-2
ENSMMUG000000039030	GSR	Glutathione-disulfide Reductase	10.09	1.39	1.08	2.77	-3.85	8.16E-04	-0.35	8.39E-01	1.91	3.15E-01	M-2
ENSMMUG000000006033	ADAM9	ADAM Metallopeptidase Domain 9	6.59	2.26	5.17	17.12	-1.54	4.99E-02	0.76	3.84E-01	1.48	1.71E-01	M-2
ENSMMUG000000047028	HGSNAT	Heparan-alpha-glucosaminide N-acetyltransferase	2.68	0.90	1.13	2.45	-3.14	3.08E-03	2.12	5.61E-02	-0.33	9.16E-01	M-2
ENSMMUG000000028999	RNF170	Ring Finger Protein 170	5.49	0.24	0.47	2.25	-4.71	5.51E-04	-0.09	9.69E-01	3.70	5.40E-02	M-2
ENSMMUG000000010971	TOX	Thymocyte Selection Associated High Mobility Group Box	6.73	2.63	0.42	0.24	-3.28	1.15E-02	-1.58	2.90E-01	-2.13	3.09E-01	M-2
ENSMMUG000000017038	RAB2A	RAB2A, Member RAS Oncogene Family	31.47	4.83	15.68	21.35	-2.49	1.70E-03	1.37	1.09E-01	0.39	8.52E-01	M-2
ENSMMUG000000028974			51.38	12.11	13.78	11.22	-1.88	1.60E-02	-0.38	7.13E-01	0.28	9.00E-01	M-2
ENSMMUG000000047761			11.37	2.93	2.24	2.26	-2.14	6.22E-03	-1.43	9.81E-02	0.62	7.39E-01	M-2
ENSMMUG000000023210			0.98	0.01	1.55	0.04	-9.00	1.17E-02	0.73	8.93E-01	-6.48	2.32E-01	M-2
ENSMMUG000000020725	RIPK2	Receptor Interacting Serine/threonine Kinase 2	5.61	0.24	2.38	5.16	-3.65	4.86E-03	1.98	1.60E-01	2.08	3.12E-01	M-2
ENSMMUG000000005356	INTS8	Integrator Complex Subunit 8	37.24	14.17	13.23	11.14	-1.40	1.04E-02	0.28	7.02E-01	-0.78	3.92E-01	M-2
ENSMMUG000000008808	MTERF3	Mitochondrial Transcription Termination Factor 3	18.53	5.71	7.69	4.66	-1.91	6.38E-03	0.13	8.99E-01	0.49	7.59E-01	M-2
ENSMMUG000000000963	SDC2	Syndecan 2	7.54	2.70	0.51	0.08	-3.64	4.50E-03	-1.58	2.85E-01	-3.00	1.01E-01	M-2
ENSMMUG000000017745	ANGPT1	Angiopoietin 1	1.18	0.07	0.04	0.06	-4.72	8.41E-03	-3.01	1.36E-01	0.24	9.72E-01	M-2
ENSMMUG000000002788	DSCC1	DNA Replication And Sister Chromatid Cohesion 1	10.33	3.43	2.98	3.87	-2.03	3.72E-02	-0.91	4.19E-01	0.87	6.51E-01	M-2
ENSMMUG000000010200	NDRG1	N-myc Downstream Regulated 1	13.43	5.62	14.13	17.03	-1.62	2.62E-02	1.11	1.44E-01	1.50	1.32E-01	M-2
ENSMMUG000000044895			6.72	0.25	0.11	0.00	-5.88	6.27E-04	-2.32	2.99E-01	-0.32	9.67E-01	M-2
ENSMMUG000000022248	KHDRBS3	KH RNA Binding Domain Containing, Signal Transduction Associated 3	16.28	5.09	3.53	5.13	-1.92	3.59E-02	-0.80	4.48E-01	0.51	8.11E-01	M-2
ENSMMUG000000020326	FAM135B	Family With Sequence Similarity 135 Member B	0.98	0.12	0.03	0.03	-5.19	3.98E-03	-2.57	2.30E-01	0.03	9.97E-01	M-2
ENSMMUG0000000038016			4.95	0.03	0.04	0.04	-6.96	8.55E-03	0.29	9.46E-01	1.48	8.28E-01	M-2
ENSMMUG000000010992	DCP1B	Decapping MRNA 1B	15.61	5.69	4.07	5.41	-3.01	2.85E-05	0.81	3.60E-01	-0.97	4.71E-01	M-2
ENSMMUG000000009251	TSPAN9	Tetraspanin 9	3.19	0.81	0.57	1.31	-2.18	2.78E-02	-0.63	6.04E-01	1.48	3.42E-01	M-2
ENSMMUG000000015253	NECAP1	NECAP Endocytosis Associated 1	5.79	3.30	5.27	8.59	-3.51	8.15E-03	1.60	2.84E-01	3.04	9.05E-02	M-2
ENSMMUG000000020370	SOX5	SRY-box 5	1.79	0.36	0.09	0.04	-2.84	3.74E-02	-1.68	2.63E-01	-0.86	7.91E-01	M-2
ENSMMUG000000001359	CAPRIN2	Caprin Family Member 2	54.90	10.38	10.01	5.25	-3.35	8.57E-06	1.05	2.42E-01	-1.26	3.24E-01	M-2
ENSMMUG000000000205	TMEM117	Transmembrane Protein 117	0.44	0.06	0.36	1.02	-4.00	9.03E-03	2.43	1.36E-01	3.15	1.35E-01	M-2
ENSMMUG000000011441	TMEM106C	Transmembrane Protein 106C	2.13	0.75	0.44	2.02	-2.93	4.53E-03	0.33	8.28E-01	1.04	6.17E-01	M-2
ENSMMUG000000037566	HIGD1C	HIG1 Hypoxia Inducible Domain Family Member 1C	6.23	0.01	0.19	0.01	-8.41	1.90E-02	3.07	4.76E-01	-1.22	9.05E-01	M-2
ENSMMUG000000012457	CSRNP2	Cysteine And Serine Rich Nuclear Protein 2	16.24	6.02	11.34	2.82	-2.31	1.69E-02	0.74	5.28E-01	-2.21	8.65E-02	M-2

ENSMMUG0000000108	NCKAP1L	NCK Associated Protein 1 Like	1.12	0.09	0.28	0.03	-5.26	3.41E-03	0.15	9.59E-01	-1.40	7.43E-01	M-2
ENSMMUG0000000113	PPP1R1A	Protein Phosphatase 1 Regulatory Inhibitor Subunit 1A	1.30	0.01	1.25	1.14	-6.60	4.97E-04	1.75	4.70E-01	3.87	1.54E-01	M-2
ENSMMUG00000046185	LOC107000903	Uncharacterized LOC107000903	7.54	0.01	0.09	1.15	-8.30	4.96E-07	0.74	7.89E-01	3.67	1.48E-01	M-2
ENSMMUG00000011952	PPM1H	Protein Phosphatase, Mg2+/Mn2+ Dependent 1H	1.29	0.12	0.10	0.32	-4.24	3.14E-04	0.52	7.60E-01	0.77	7.99E-01	M-2
ENSMMUG00000018725	MDM1	Mdm1 Nuclear Protein	6.54	0.70	0.72	0.36	-3.22	1.66E-04	-1.62	8.96E-02	0.80	6.81E-01	M-2
ENSMMUG00000044066			0.78	0.02	3.92	0.28	-9.03	1.22E-02	6.65	7.63E-02	-4.28	5.04E-01	M-2
ENSMMUG00000018257			53.42	6.34	8.49	1.94	-2.87	1.03E-02	-1.78	1.38E-01	-0.42	8.94E-01	M-2
ENSMMUG00000019214	PPP1R12A	Protein Phosphatase 1 Regulatory Subunit 12A	38.37	15.98	15.41	16.16	-1.25	4.09E-02	0.15	8.59E-01	-0.13	9.50E-01	M-2
ENSMMUG00000011305	TMTC2	Transmembrane And Tetratricopeptide Repeat Containing 2	7.10	0.96	3.29	1.12	-2.92	2.43E-03	-1.83	7.78E-02	1.35	4.23E-01	M-2
ENSMMUG00000003574	POC1B	POC1 Centriolar Protein B	2.16	0.45	0.95	3.00	-3.11	8.19E-03	1.02	4.70E-01	1.13	6.30E-01	M-2
ENSMMUG00000002243	PLEKHG7	Pleckstrin Homology And RhoGEF Domain Containing G7	0.78	0.26	0.35	0.52	-4.12	1.94E-02	-0.85	7.29E-01	0.78	8.67E-01	M-2
ENSMMUG00000040483			15.20	2.41	2.37	3.68	-4.38	4.21E-03	0.15	9.52E-01	0.07	9.92E-01	M-2
ENSMMUG00000018242	TMCC3	Transmembrane And Coiled-coil Domain Family 3	6.68	0.87	0.80	1.17	-4.04	3.49E-04	0.22	9.03E-01	-0.94	7.21E-01	M-2
ENSMMUG00000039228			8.99	3.41	8.78	10.98	-2.63	4.24E-02	1.36	3.48E-01	1.09	6.79E-01	M-2
ENSMMUG00000005504	NUP37	Nucleoporin 37	27.39	7.91	9.23	7.97	-1.65	4.26E-02	0.04	9.72E-01	0.61	7.25E-01	M-2
ENSMMUG00000040571			220.30	95.28	414.36	568.50	-2.11	4.21E-02	2.01	5.15E-02	0.52	8.35E-01	M-2
ENSMMUG00000015540			1.31	0.07	0.14	0.04	-3.30	1.79E-02	-2.14	1.88E-01	0.10	9.86E-01	M-2
ENSMMUG00000015108	SVOP	SV2 Related Protein	2.53	0.10	0.10	0.02	-5.84	2.04E-03	-1.09	6.82E-01	-1.78	6.70E-01	M-2
ENSMMUG00000039553	ALKBH2	AlkB Homolog 2, Alpha-ketoglutarate Dependent Dioxygenase	22.60	4.23	2.63	2.05	-2.35	8.53E-03	-1.21	2.19E-01	0.16	9.62E-01	M-2
ENSMMUG00000019650	UBE3B	Ubiquitin Protein Ligase E3B	41.35	17.79	9.04	7.97	-2.05	5.54E-04	-0.23	7.88E-01	-1.19	1.85E-01	M-2
ENSMMUG00000007678	ANKRD13A	Ankyrin Repeat Domain 13A	8.38	2.02	2.17	6.64	-2.15	8.55E-03	-0.42	6.96E-01	1.85	9.97E-02	M-2
ENSMMUG00000001739	ATP2A2	ATPase Sarcoplasmic/endoplasmic Reticulum Ca2+ Transporting 2	245.64	105.80	62.77	47.07	-1.53	1.16E-03	-0.29	6.38E-01	-0.87	2.28E-01	M-2
ENSMMUG00000002226	ATXN2	Ataxin 2	112.84	47.82	32.90	42.26	-1.38	3.98E-03	-0.34	5.67E-01	0.28	8.11E-01	M-2
ENSMMUG00000005099	TAOK3	TAO Kinase 3	30.34	9.68	5.61	9.31	-1.62	1.13E-02	-1.17	7.90E-02	0.96	3.50E-01	M-2
ENSMMUG00000012650	BCL7A	BCL Tumor Suppressor 7A	1.97	0.50	0.84	3.72	-3.04	3.07E-02	0.19	9.28E-01	2.58	2.00E-01	M-2
ENSMMUG00000021928	CLIP1	CAP-Gly Domain Containing Linker Protein 1	64.96	21.92	13.87	22.62	-2.10	2.61E-06	-0.07	9.22E-01	-0.06	9.70E-01	M-2
ENSMMUG00000012569	TMEM132D	Transmembrane Protein 132D	5.98	0.28	0.14	0.05	-5.00	2.24E-05	-0.77	6.43E-01	-1.31	6.37E-01	M-2
ENSMMUG00000017174	SUV39H2	Suppressor Of Variegation 3-9 Homolog 2	28.86	9.09	6.46	3.04	-1.41	1.89E-02	-1.09	7.78E-02	-0.50	6.92E-01	M-2
ENSMMUG00000015370	PLXDC2	Plexin Domain Containing 2	1.38	0.31	0.12	0.16	-4.17	3.64E-02	0.37	8.99E-01	2.97	3.71E-01	M-2
ENSMMUG00000042571			4.16	2.96	0.25	0.30	-2.59	9.98E-03	-1.79	9.29E-02	-0.51	8.44E-01	M-2
ENSMMUG00000010589	NEBL	Nebulette	1.35	1.26	0.11	0.15	-3.24	3.95E-02	0.12	9.62E-01	-1.76	5.30E-01	M-2
ENSMMUG00000005078	ABI1	Abl Interactor 1	63.69	27.11	28.12	26.53	-1.65	1.89E-03	-0.12	8.77E-01	0.54	6.13E-01	M-2
ENSMMUG00000016403	ANKRD26	Ankyrin Repeat Domain 26	12.19	6.38	7.53	6.59	-1.13	3.00E-02	0.58	3.15E-01	-0.69	4.23E-01	M-2
ENSMMUG00000004778	ARHGAP12	Rho GTPase Activating Protein 12	21.97	8.48	7.88	8.05	-1.63	8.54E-03	0.21	8.11E-01	0.43	7.61E-01	M-2
ENSMMUG00000012451	EPC1	Enhancer Of Polycomb Homolog 1	36.25	5.36	4.88	5.62	-2.81	1.87E-06	0.08	9.37E-01	0.04	9.86E-01	M-2
ENSMMUG00000006713	CCNY	Cyclin Y	31.58	6.25	8.90	8.87	-2.19	2.33E-03	-0.49	5.92E-01	1.29	2.44E-01	M-2
ENSMMUG00000015406	RASGEF1A	RasGEF Domain Family Member 1A	2.91	1.34	0.25	0.21	-2.82	3.54E-02	-0.57	7.48E-01	-1.81	4.25E-01	M-2

ENSMMUG00000013437	MARCH8	Membrane Associated Ring-CH-type Finger 8	8.24	2.60	0.95	1.67	-2.14	1.89E-02	-0.85	4.21E-01	-0.21	9.46E-01	M-2
ENSMMUG00000041169			7.64	2.72	2.56	2.64	-2.36	7.34E-03	0.93	3.64E-01	-1.11	4.77E-01	M-2
ENSMMUG00000003189	PIIF	Peptidylprolyl Isomerase F	16.07	2.09	5.90	7.48	-3.52	4.05E-04	0.90	4.71E-01	1.21	5.21E-01	M-2
ENSMMUG00000009128	DLG5	Discs Large MAGUK Scaffold Protein 5	29.78	11.56	8.06	7.67	-1.68	3.23E-02	-1.01	2.32E-01	-0.07	9.78E-01	M-2
ENSMMUG00000013695	FUT11	Fucosyltransferase 11	3.85	0.47	0.22	0.55	-3.82	9.57E-04	-1.35	3.36E-01	1.39	5.49E-01	M-2
ENSMMUG00000015714	PPP3CB	Protein Phosphatase 3 Catalytic Subunit Beta	15.43	5.99	11.61	7.64	-1.43	2.10E-02	1.03	1.09E-01	-0.19	9.12E-01	M-2
ENSMMUG00000011282	DNAJC9	DnaJ Heat Shock Protein Family (Hsp40) Member C9	35.61	13.92	10.96	8.60	-1.17	1.03E-02	-0.28	6.29E-01	-0.55	4.98E-01	M-2
ENSMMUG00000002541			23.67	6.31	17.22	13.12	-1.96	1.28E-02	1.02	2.43E-01	0.30	8.92E-01	M-2
ENSMMUG00000045565	DDIT4	DNA Damage Inducible Transcript 4	9.03	1.37	4.94	4.65	-3.39	1.66E-03	1.98	8.72E-02	-2.06	2.06E-01	M-2
ENSMMUG00000006392	AIFM2	Apoptosis Inducing Factor, Mitochondria Associated 2	8.64	1.33	0.86	3.11	-3.91	2.91E-03	-1.59	2.99E-01	1.71	4.64E-01	M-2
ENSMMUG00000008985	KIF1BP	KIF1 Binding Protein	64.52	9.77	15.58	23.63	-2.88	2.97E-08	0.65	3.10E-01	0.73	4.56E-01	M-2
ENSMMUG000000030530			1.44	0.49	1.06	0.86	-2.91	3.19E-02	1.11	4.99E-01	0.39	9.26E-01	M-2
ENSMMUG000000030528	ADO	2-aminoethanethiol Dioxigenase	2.33	0.48	2.12	1.72	-5.26	5.58E-04	1.69	3.73E-01	2.40	4.05E-01	M-2
ENSMMUG00000047356	LIPA	Lipase A, Lysosomal Acid Type	7.47	1.54	0.60	0.18	-3.08	6.00E-03	-0.58	7.00E-01	-1.53	4.31E-01	M-2
ENSMMUG00000000454	PDLIM1	PDZ And LIM Domain 1	110.78	37.47	21.25	16.42	-1.51	4.02E-02	-0.94	2.34E-01	-0.18	9.37E-01	M-2
ENSMMUG00000047189	ARHGAP19	Rho GTPase Activating Protein 19	10.63	4.25	5.31	5.86	-1.78	4.42E-03	0.56	4.52E-01	0.73	5.28E-01	M-2
ENSMMUG00000020605	HPSE2	Heparanase 2 (inactive)	4.50	0.83	0.12	0.04	-3.46	3.51E-02	-2.81	1.08E-01	-1.33	7.32E-01	M-2
ENSMMUG000000023761	ENTPD7	Ectonucleoside Triphosphate Diphosphohydrolase 7	11.06	1.72	1.17	1.77	-2.90	1.58E-02	-0.64	6.85E-01	0.64	8.28E-01	M-2
ENSMMUG00000013418	SLF2	SMC5-SMC6 Complex Localization Factor 2	17.88	7.72	9.30	5.63	-1.43	5.88E-03	-0.04	9.59E-01	-0.71	4.30E-01	M-2
ENSMMUG00000010674	LZTS2	Leucine Zipper Tumor Suppressor 2	2.43	1.17	0.31	1.27	-2.10	4.00E-02	-0.90	4.53E-01	-0.86	6.85E-01	M-2
ENSMMUG00000020080	GFRA1	GDNF Family Receptor Alpha 1	10.03	1.52	0.76	0.15	-3.10	3.86E-02	-2.21	1.68E-01	-0.36	9.43E-01	M-2
ENSMMUG00000043312			11.11	11.25	8.35	0.06	-5.61	5.89E-03	0.17	9.62E-01	-3.68	2.92E-01	M-2
ENSMMUG00000048654	NANOS1	Nanos C2HC-type Zinc Finger 1	46.85	10.03	6.84	2.12	-3.18	6.26E-04	-0.54	6.63E-01	-0.56	8.11E-01	M-2
ENSMMUG00000006341	SYCE1	Synaptonemal Complex Central Element Protein 1	5.60	1.19	2.74	2.00	-4.27	2.52E-05	1.06	4.03E-01	2.68	6.91E-02	M-2
ENSMMUG00000007513	SLC25A22	Solute Carrier Family 25 Member 22	1.66	0.39	0.56	1.35	-3.35	3.02E-02	-0.37	8.69E-01	2.32	3.39E-01	M-2
ENSMMUG00000003104	TOLLIP	Toll Interacting Protein	1.91	0.48	0.53	0.77	-3.75	1.38E-03	0.45	7.92E-01	-0.57	8.53E-01	M-2
ENSMMUG00000002043	CD81	CD81 Molecule	1.91	1.42	0.65	1.51	-3.92	2.97E-02	1.90	3.47E-01	3.56	1.62E-01	M-2
ENSMMUG00000005019	LOC721299	Actin-85C-like	2.63	0.13	0.03	0.03	-4.88	2.17E-02	-1.16	6.93E-01	-2.56	5.40E-01	M-2
ENSMMUG00000005493	TMEM134	Transmembrane Protein 134	3.56	0.58	1.34	3.99	-4.51	1.37E-03	2.47	1.05E-01	1.77	4.79E-01	M-2
ENSMMUG00000020727			0.23	0.11	0.58	1.39	-5.92	2.33E-02	4.30	1.16E-01	5.13	1.76E-01	M-2
ENSMMUG00000001403	YIF1A	Yip1 Interacting Factor Homolog A, Membrane Trafficking Protein	1.91	0.29	1.28	1.47	-3.93	1.52E-03	2.06	1.22E-01	3.09	6.56E-02	M-2
ENSMMUG000000030597	MAP4K2	Mitogen-activated Protein Kinase Kinase Kinase 2	1.31	0.28	0.68	0.62	-4.10	1.61E-03	2.21	1.21E-01	-1.49	5.47E-01	M-2
ENSMMUG00000012948	PLCB3	Phospholipase C Beta 3	3.61	2.45	1.75	5.32	-2.95	2.86E-02	0.44	8.11E-01	0.23	9.63E-01	M-2
ENSMMUG00000018304	LGALS12	Galectin 12	1.25	0.23	0.09	0.01	-4.07	3.58E-03	-0.67	7.37E-01	-3.67	8.58E-02	M-2
ENSMMUG00000018112	EML3	Echinoderm Microtubule Associated Protein Like 3	0.55	0.15	0.74	5.57	-4.39	4.34E-03	2.37	1.63E-01	2.31	3.61E-01	M-2
ENSMMUG00000044417	CD6	CD6 Molecule	3.04	2.02	1.23	0.36	-3.88	3.40E-02	-2.27	2.74E-01	-2.82	3.26E-01	M-2
ENSMMUG00000014116	OR5A2	Olfactory Receptor, Family 5, Subfamily A, Member 2	4.74	0.22	1.40	0.03	-5.85	5.25E-03	0.19	9.56E-01	-2.23	6.22E-01	M-2
ENSMMUG00000015598	NR1H3	Nuclear Receptor Subfamily 1 Group H Member 3	3.70	0.23	0.13	0.01	-3.81	1.03E-02	-0.59	7.86E-01	-4.05	7.66E-02	M-2
ENSMMUG00000019268	CD82	CD82 Molecule	7.05	1.13	0.23	0.01	-3.81	2.48E-03	-1.71	2.45E-01	-3.48	6.96E-02	M-2

ENSMMUG00000004329	SLC1A2	Solute Carrier Family 1 Member 2	2.36	0.47	0.15	0.00	-4.33	2.92E-02	-1.42	5.74E-01	-3.62	2.69E-01	M-2
ENSMMUG00000006063	FBXO3	F-box Protein 3	3.46	0.54	0.54	1.11	-2.55	1.85E-02	-1.04	4.06E-01	1.92	2.33E-01	M-2
ENSMMUG00000002535	DEPDC7	DEP Domain Containing 7	46.34	5.72	3.92	1.08	-3.19	2.79E-05	-0.97	2.90E-01	-1.65	1.56E-01	M-2
ENSMMUG000000017590	ARL14EP	ADP Ribosylation Factor Like GTPase 14 Effector Protein	58.79	19.74	15.13	10.15	-1.74	1.40E-02	-0.03	9.81E-01	-0.85	4.99E-01	M-2
ENSMMUG000000041731	TMEM86A	Transmembrane Protein 86A	5.06	0.84	2.18	7.02	-2.75	2.86E-02	1.56	2.53E-01	1.84	3.52E-01	M-2
ENSMMUG00000006405	SERGEF	Secretion Regulating Guanine Nucleotide Exchange Factor	0.21	0.33	0.37	0.95	-3.93	2.67E-02	2.86	1.24E-01	2.43	4.03E-01	M-2
ENSMMUG00000000360			3.91	0.37	0.10	0.09	-4.76	4.39E-03	-0.83	7.34E-01	-0.83	8.64E-01	M-2
ENSMMUG00000009690	ARNTL	Aryl Hydrocarbon Receptor Nuclear Translocator Like	1.21	0.48	2.11	1.02	-2.66	4.27E-02	2.47	5.97E-02	-1.51	5.08E-01	M-2
ENSMMUG000000022860	USP47	Ubiquitin Specific Peptidase 47	11.87	5.96	8.50	9.32	-1.07	3.27E-02	0.30	6.24E-01	0.04	9.84E-01	M-2
ENSMMUG00000009204	SWAP70	Switching B-cell Complex Subunit SWAP70	23.74	9.68	12.39	8.69	-1.82	5.07E-03	0.32	7.17E-01	-0.17	9.36E-01	M-2
ENSMMUG00000008758	ZNF143	Zinc Finger Protein 143	18.74	8.97	5.89	2.31	-1.14	3.65E-02	-0.82	1.47E-01	-0.79	3.60E-01	M-2
ENSMMUG000000015017	LMO1	LIM Domain Only 1	10.57	0.60	0.25	0.02	-5.14	3.42E-03	-1.32	5.65E-01	-3.39	2.56E-01	M-2
ENSMMUG000000016882	FAM160A2	Family With Sequence Similarity 160 Member A2	10.35	2.78	1.32	2.56	-2.24	1.78E-02	-0.86	4.33E-01	0.32	9.03E-01	M-2
ENSMMUG000000039301	STARD10	StAR Related Lipid Transfer Domain Containing 10	0.99	0.26	0.70	1.43	-2.43	4.34E-02	0.50	7.53E-01	1.36	5.18E-01	M-2
ENSMMUG00000007676			1.63	0.04	0.04	0.08	-6.39	5.21E-10	1.02	4.90E-01	-0.04	9.93E-01	M-2
ENSMMUG00000000185	DGAT2	Diacylglycerol O-acyltransferase 2	1.92	0.05	2.36	0.52	-5.50	6.27E-05	2.79	7.36E-02	-2.47	2.59E-01	M-2
ENSMMUG000000017476	USP35	Ubiquitin Specific Peptidase 35	18.07	6.28	0.69	0.66	-3.22	1.83E-03	-2.11	5.57E-02	-1.99	2.11E-01	M-2
ENSMMUG000000013055	ME3	Malic Enzyme 3	1.66	0.23	0.05	0.00	-3.78	2.05E-02	-1.96	3.07E-01	-2.17	4.97E-01	M-2
ENSMMUG000000037865	ANKRD49	Ankyrin Repeat Domain 49	8.42	2.45	2.61	1.33	-2.11	2.98E-02	-0.16	9.10E-01	0.35	8.98E-01	M-2
ENSMMUG000000047254			9.15	1.27	0.09	0.06	-3.93	1.40E-02	-3.00	1.02E-01	-1.15	7.91E-01	M-2
ENSMMUG000000013419			1.91	1.32	0.57	0.09	-3.23	4.20E-02	-1.21	5.44E-01	-2.94	2.56E-01	M-2
ENSMMUG000000045132			12.55	0.29	0.07	0.18	-5.39	1.90E-02	-3.28	2.24E-01	2.55	5.83E-01	M-2
ENSMMUG00000005445	C14H11orf53	Chromosome 14 Open Reading Frame, Human C11orf53	1.60	0.02	0.39	0.00	-6.41	2.95E-03	-0.08	9.84E-01	0.48	9.54E-01	M-2
ENSMMUG000000022133	CRYAB	Crystallin Alpha B	1.69	0.02	0.12	0.06	-6.59	1.51E-02	2.69	4.03E-01	-0.09	9.94E-01	M-2
ENSMMUG00000005492	TMEM25	Transmembrane Protein 25	1.40	0.66	0.70	1.52	-3.60	3.25E-02	0.81	7.14E-01	2.53	3.33E-01	M-2
ENSMMUG00000004764	MCAM	Melanoma Cell Adhesion Molecule	2.80	1.33	2.37	0.48	-4.96	8.20E-04	0.36	8.74E-01	-2.45	3.19E-01	M-2
ENSMMUG000000010009	EI24	EI24, Autophagy Associated Transmembrane Protein	51.69	19.42	26.88	28.01	-1.54	1.21E-02	0.62	3.85E-01	0.16	9.32E-01	M-2
ENSMMUG00000007950	DCPS	Decapping Enzyme, Scavenger	5.08	1.73	2.35	2.34	-1.98	2.28E-02	0.57	5.93E-01	-0.56	7.80E-01	M-2
ENSMMUG000000003144	KCNJ1	Potassium Voltage-gated Channel Subfamily J Member 1	1.85	0.18	0.01	0.17	-5.52	3.88E-03	-3.02	1.90E-01	3.27	3.19E-01	M-2
ENSMMUG000000043454			0.86	0.00	0.43	0.51	-15.30	2.70E-02	10.91	1.31E-01	1.61	9.44E-01	M-2
ENSMMUG000000046625	VPS26B	VPS26, Retromer Complex Component B	22.92	5.45	8.73	6.19	-2.79	2.69E-03	1.15	2.78E-01	-1.26	4.40E-01	M-2
ENSMMUG000000007107			2.93	1.83	0.88	1.66	-3.61	3.35E-02	-0.74	7.40E-01	4.13	5.45E-02	M-2
ENSMMUG000000046774	RALB	RAS Like Proto-oncogene B	8.75	1.85	1.21	0.71	-2.76	2.44E-02	-1.50	2.64E-01	-0.46	8.92E-01	M-2
ENSMMUG000000006354	INSIG2	Insulin Induced Gene 2	12.64	1.52	2.33	1.83	-2.77	2.40E-03	-1.29	2.11E-01	0.98	5.89E-01	M-2
ENSMMUG000000017081			3.13	0.22	0.10	0.02	-5.08	2.40E-04	-2.09	2.29E-01	-1.39	6.79E-01	M-2
ENSMMUG00000009475	LYPD6B	LY6/PLAUR Domain Containing 6B	9.65	1.98	5.74	0.54	-3.41	2.10E-02	1.26	4.67E-01	-2.04	4.08E-01	M-2
ENSMMUG000000003707	ACVR1C	Activin A Receptor Type 1C	6.88	0.33	0.15	0.05	-6.23	1.18E-05	2.13	2.28E-01	-2.51	3.67E-01	M-2
ENSMMUG000000018497	ACVR1	Activin A Receptor Type 1	11.33	1.90	2.60	4.87	-2.57	4.02E-02	-0.47	7.80E-01	0.96	7.13E-01	M-2
ENSMMUG000000006180	TANC1	Tetratricopeptide Repeat, Ankyrin Repeat And Coiled-coil Containing 1	15.04	6.16	2.28	2.36	-1.82	2.92E-02	-0.73	4.48E-01	-1.29	3.19E-01	M-2
ENSMMUG000000006182	BAZ2B	Bromodomain Adjacent To Zinc Finger Domain 2B	2.61	1.09	0.56	1.00	-2.02	4.08E-02	-1.08	3.25E-01	0.59	7.97E-01	M-2

ENSMMUG00000019590	GCA	Grancalcin	1.68	0.10	0.94	0.14	-3.06	3.80E-02	1.90	2.32E-01	-1.42	6.14E-01	M-2
ENSMMUG00000031393	ERICH2	Glutamate Rich 2	4.21	0.98	3.21	2.00	-2.99	4.14E-02	2.51	9.20E-02	-2.13	3.60E-01	M-2
ENSMMUG00000015198	GAD1	Glutamate Decarboxylase 1	1.48	0.56	0.09	0.52	-3.12	2.71E-02	-2.23	1.56E-01	2.78	2.07E-01	M-2
ENSMMUG00000022553	PDK1	Pyruvate Dehydrogenase Kinase 1	64.18	15.13	8.89	16.41	-2.07	2.69E-03	-1.07	1.59E-01	1.03	3.72E-01	M-2
ENSMMUG00000015344	CERKL	Ceramide Kinase Like	19.99	23.84	1.17	0.67	-3.16	1.02E-02	-0.35	8.41E-01	-2.95	8.40E-02	M-2
ENSMMUG00000019462	ITGAV	Integrin Subunit Alpha V	1.69	0.45	0.64	1.81	-2.99	1.79E-02	1.22	4.02E-01	1.21	6.22E-01	M-2
ENSMMUG00000037672	C12H2orf88	Chromosome 12 Open Reading Frame, Human C2orf88	7.23	2.61	0.70	0.50	-2.20	4.83E-02	-1.89	9.36E-02	0.49	8.64E-01	M-2
ENSMMUG00000007283	HIBCH	3-hydroxyisobutyryl-CoA Hydrolase	66.41	12.34	7.58	7.71	-2.35	2.48E-04	-0.75	3.31E-01	-0.41	7.99E-01	M-2
ENSMMUG00000000312	ABI2	Abl Interactor 2	15.92	7.85	4.20	2.53	-1.32	4.94E-03	-0.95	5.11E-02	-0.39	7.00E-01	M-2
ENSMMUG00000001674	ERBB4	Erb-b2 Receptor Tyrosine Kinase 4	17.65	6.24	1.01	0.13	-2.45	1.70E-02	-1.85	8.48E-02	-2.35	1.15E-01	M-2
ENSMMUG000000005700	BARD1	BRCA1 Associated RING Domain 1	15.04	2.37	1.98	1.98	-2.55	2.38E-04	-0.56	5.29E-01	0.20	9.31E-01	M-2
ENSMMUG00000017964	PECR	Peroxisomal Trans-2-enoyl-CoA Reductase	4.54	1.88	2.35	2.88	-3.43	1.78E-02	0.59	7.67E-01	-0.57	8.86E-01	M-2
ENSMMUG00000000791	CNPPD1	Cyclin Pas1/PHO80 Domain Containing 1	5.00	1.50	1.19	3.29	-3.09	7.34E-03	0.74	6.14E-01	0.03	9.95E-01	M-2
ENSMMUG00000012003	DNAJB2	DnaJ Heat Shock Protein Family (Hsp40) Member B2	1.84	0.15	0.80	1.19	-3.83	2.37E-02	2.58	1.57E-01	0.70	8.80E-01	M-2
ENSMMUG00000013246	MFF	Mitochondrial Fission Factor	45.75	14.78	38.10	18.61	-2.47	1.95E-02	1.77	1.07E-01	-1.03	6.10E-01	M-2
ENSMMUG00000013252	DAW1	Dynein Assembly Factor With WD Repeats 1	1.40	0.27	0.35	0.08	-6.83	6.04E-05	1.84	3.86E-01	-0.93	8.37E-01	M-2
ENSMMUG000000005911	GBX2	Gastrulation Brain Homeobox 2	2.51	0.62	0.26	0.60	-3.40	3.39E-02	-1.80	3.42E-01	-0.11	9.86E-01	M-2
ENSMMUG00000003386	LRRFIP1	LRR Binding FLII Interacting Protein 1	13.64	9.00	7.78	14.77	-1.16	2.04E-02	0.36	5.51E-01	0.36	7.45E-01	M-2
ENSMMUG00000015625			0.60	0.12	0.33	0.73	-2.82	3.81E-03	1.31	2.39E-01	1.16	5.18E-01	M-2
ENSMMUG00000016207	PASK	PAS Domain Containing Serine/threonine Kinase	5.13	0.96	0.85	1.97	-2.79	6.14E-03	-0.12	9.42E-01	0.38	8.96E-01	M-2
ENSMMUG00000014102	ING5	Inhibitor Of Growth Family Member 5	3.71	0.81	3.09	3.77	-3.31	1.74E-02	1.59	3.08E-01	1.24	6.54E-01	M-2
ENSMMUG00000018548	D2HGDH	D-2-hydroxyglutarate Dehydrogenase	0.66	0.11	0.48	1.02	-3.92	1.39E-02	2.47	1.54E-01	-0.09	9.87E-01	M-2
ENSMMUG00000019611	ARRDC1	Arrestin Domain Containing 1	1.76	0.54	0.94	1.25	-3.37	2.49E-03	-0.39	8.10E-01	2.45	1.23E-01	M-2
ENSMMUG00000022750	DPP7	Dipeptidyl Peptidase 7	2.22	1.00	1.08	3.03	-3.75	1.95E-02	1.17	5.48E-01	3.55	9.71E-02	M-2
ENSMMUG00000017506	OLFM1	Olfactomedin 1	5.96	1.56	1.23	0.41	-3.31	3.54E-03	-1.31	3.26E-01	-0.68	8.10E-01	M-2
ENSMMUG00000022348	SURF4	Surfeit 4	62.35	7.31	11.55	14.58	-3.28	2.56E-15	0.76	1.23E-01	-0.04	9.84E-01	M-2
ENSMMUG00000047768			1.21	0.16	0.21	0.10	-5.29	4.27E-02	2.78	3.50E-01	-1.11	8.73E-01	M-2
ENSMMUG00000011767	CRAT	Carnitine O-acetyltransferase	2.04	0.80	1.37	0.60	-2.24	3.85E-02	0.78	5.44E-01	-1.87	2.36E-01	M-2
ENSMMUG00000014375	FAM102A	Family With Sequence Similarity 102 Member A	29.94	12.02	9.67	5.77	-2.33	2.69E-02	-1.71	1.19E-01	-0.21	9.54E-01	M-2
ENSMMUG00000009961	FAM129B	Family With Sequence Similarity 129 Member B	8.22	1.07	1.10	4.61	-2.71	1.71E-02	-0.94	4.89E-01	2.66	8.44E-02	M-2
ENSMMUG00000011185			11.98	3.18	13.96	8.35	-2.06	4.92E-02	0.95	4.23E-01	0.27	9.33E-01	M-2
ENSMMUG00000022919	STRBP	Spermatid Perinuclear RNA Binding Protein	28.70	7.83	8.92	7.17	-1.94	1.77E-06	0.31	5.68E-01	-0.52	5.13E-01	M-2
ENSMMUG00000011455	RBM18	RNA Binding Motif Protein 18	13.48	3.90	4.07	2.55	-1.65	1.01E-03	-0.21	7.67E-01	-0.38	7.49E-01	M-2
ENSMMUG00000003197	NIPSNAP3A	Nipsnap Homolog 3A	4.48	1.19	1.67	6.63	-4.02	1.44E-04	1.01	4.46E-01	1.53	4.16E-01	M-2
ENSMMUG000000043173			2.43	0.07	0.03	0.03	-7.76	3.18E-03	1.88	5.88E-01	0.41	9.68E-01	M-2
ENSMMUG00000009831	TBC1D2	TBC1 Domain Family Member 2	1.53	0.60	0.14	0.67	-2.55	2.12E-02	-1.93	1.05E-01	1.76	3.37E-01	M-2
ENSMMUG00000015654	TRMO	TRNA Methyltransferase O	3.25	1.17	2.82	2.56	-2.34	3.65E-02	2.17	5.19E-02	0.09	9.82E-01	M-2
ENSMMUG00000012278	TMOD1	Tropomodulin 1	4.93	2.70	1.47	3.74	-4.46	6.03E-04	-0.64	7.34E-01	-1.62	5.07E-01	M-2
ENSMMUG00000013691	SUSD3	Sushi Domain Containing 3	3.02	1.56	0.51	1.83	-4.33	3.85E-03	0.14	9.56E-01	2.19	4.34E-01	M-2
ENSMMUG00000016343	MFSD14B	Major Facilitator Superfamily Domain Containing 14B	40.69	19.68	18.90	16.90	-1.41	1.40E-02	-0.15	8.53E-01	0.45	7.13E-01	M-2

ENSMMUG00000008669	SLC25A52	Solute Carrier Family 25 Member 52	6.89	2.39	2.96	5.02	-2.68	3.92E-02	0.48	7.87E-01	-0.79	7.93E-01	M-2
ENSMMUG00000008196	ACO1	Aconitase 1	13.97	8.22	6.78	11.45	-2.24	2.11E-03	0.66	4.56E-01	-0.69	6.43E-01	M-2
ENSMMUG000000047770			8.48	3.59	2.08	0.18	-4.27	1.83E-02	-1.97	4.06E-01	-1.39	7.61E-01	M-2
ENSMMUG000000020651	SLC24A2	Solute Carrier Family 24 Member 2	5.78	0.55	0.50	0.22	-2.74	2.54E-02	-2.27	7.28E-02	-0.11	9.81E-01	M-2
ENSMMUG000000018395			21.80	9.45	13.00	13.97	-1.71	1.60E-02	0.54	5.29E-01	-0.10	9.69E-01	M-2
ENSMMUG000000012426	ZDHHC21	Zinc Finger DHHC-type Containing 21	3.27	1.14	1.76	1.82	-5.02	1.16E-03	2.03	2.49E-01	2.51	3.09E-01	M-2
ENSMMUG000000047679			6.19	0.00	0.00	0.03	-7.54	2.97E-02	0.99	8.44E-01	0.52	9.68E-01	M-2
ENSMMUG00000002176	UHRF2	Ubiquitin Like With PHD And Ring Finger Domains 2	74.85	28.09	11.82	10.03	-1.41	1.38E-02	-1.12	5.59E-02	-0.23	8.87E-01	M-2
ENSMMUG000000005469			23.23	4.75	6.59	3.06	-2.40	3.10E-03	0.48	6.47E-01	-1.51	2.19E-01	M-2
ENSMMUG000000000141	CDC37L1	Cell Division Cycle 37 Like 1	29.53	5.80	19.72	10.26	-2.40	3.37E-05	1.01	1.21E-01	-0.51	6.96E-01	M-2
ENSMMUG000000008233	TMEM252	Transmembrane Protein 252	5.56	0.44	0.10	0.02	-5.22	3.93E-02	-2.07	4.95E-01	0.35	9.70E-01	M-2
ENSMMUG000000010401	OSTF1	Osteoclast Stimulating Factor 1	60.72	8.85	8.74	15.62	-2.72	6.53E-03	-1.60	1.37E-01	2.55	5.20E-02	M-2
ENSMMUG000000023117	NTRK2	Neurotrophic Receptor Tyrosine Kinase 2	1.67	0.27	0.09	0.00	-4.89	9.95E-03	-1.10	6.92E-01	-3.26	3.34E-01	M-2
ENSMMUG000000001898	NAA35	N(alpha)-acetyltransferase 35, NatC Auxiliary Subunit	58.89	22.92	22.01	10.12	-1.65	1.45E-02	-0.29	7.53E-01	-0.56	6.91E-01	M-2
ENSMMUG000000023257	NFIL3	Nuclear Factor, Interleukin 3 Regulated	14.55	5.73	8.00	11.07	-2.15	2.52E-02	0.68	5.59E-01	-0.76	7.06E-01	M-2
ENSMMUG000000007990	HSD17B3	Hydroxysteroid 17-beta Dehydrogenase 3	2.27	0.20	0.03	0.00	-5.29	2.36E-03	-1.93	3.70E-01	0.34	9.63E-01	M-2
ENSMMUG000000011369			67.13	11.34	11.45	2.76	-2.84	1.77E-03	-0.58	6.24E-01	-2.10	1.03E-01	M-2
ENSMMUG000000045908	RNF144A	Ring Finger Protein 144A	4.39	0.46	0.38	0.24	-3.98	4.25E-05	0.11	9.48E-01	-0.17	9.64E-01	M-2
ENSMMUG000000038242	LOC106992835	Uncharacterized LOC106992835	4.70	0.63	0.07	0.05	-4.65	1.37E-02	-2.13	3.47E-01	-2.40	5.16E-01	M-2
ENSMMUG000000038526			5.16	0.11	0.24	0.03	-8.26	6.26E-03	2.36	5.37E-01	-5.03	3.09E-01	M-2
ENSMMUG000000009408	ITSN2	Intersectin 2	16.96	6.81	5.25	10.36	-1.55	2.56E-02	0.15	8.78E-01	0.23	9.03E-01	M-2
ENSMMUG000000016587	DTNB	Dystrobrevin Beta	24.19	5.67	4.93	4.03	-2.30	1.50E-02	-1.62	1.02E-01	-0.16	9.64E-01	M-2
ENSMMUG000000020563	TRMT61B	TRNA Methyltransferase 61B	1.46	0.54	2.10	0.94	-2.47	9.75E-04	1.20	1.48E-01	1.47	1.98E-01	M-2
ENSMMUG000000010259	CLIP4	CAP-Gly Domain Containing Linker Protein Family Member 4	21.04	4.68	1.61	0.87	-2.77	1.96E-03	-1.70	8.02E-02	-0.57	8.04E-01	M-2
ENSMMUG000000030883	LOC106992887	Protein FAM136A	13.16	4.68	7.81	5.75	-3.06	6.01E-03	1.09	4.11E-01	0.79	7.59E-01	M-2
ENSMMUG000000016094	YIPF4	Yip1 Domain Family Member 4	5.87	1.91	3.20	3.28	-3.22	5.98E-03	2.04	1.02E-01	-1.28	5.69E-01	M-2
ENSMMUG000000045520	RASGRP3	RAS Guanyl Releasing Protein 3	1.80	0.52	0.09	0.49	-3.77	2.37E-02	-1.31	5.32E-01	2.05	5.11E-01	M-2
ENSMMUG000000044092			8.54	2.32	1.75	1.29	-2.16	1.43E-02	-0.24	8.50E-01	-0.56	7.94E-01	M-2
ENSMMUG000000006311	PREPL	Prolyl Endopeptidase-like	64.64	23.43	13.21	9.12	-1.49	3.95E-03	-0.82	1.47E-01	-0.99	1.99E-01	M-2
ENSMMUG000000014425	PRKCE	Protein Kinase C Epsilon	0.95	0.51	0.40	0.20	-3.77	1.55E-02	-0.53	8.14E-01	-1.05	7.68E-01	M-2
ENSMMUG000000017466	CALM2	Calmodulin 2	102.12	49.74	82.03	68.90	-0.95	4.39E-02	0.49	3.54E-01	0.02	9.93E-01	M-2
ENSMMUG000000015888	CCDC85A	Coiled-coil Domain Containing 85A	3.66	1.81	0.25	0.25	-4.34	9.48E-04	0.23	9.12E-01	-0.80	8.07E-01	M-2
ENSMMUG000000008097	AHSA2	Activator Of HSP90 ATPase Homolog 2	13.55	6.29	3.17	5.69	-1.26	3.46E-02	-0.56	4.11E-01	0.39	7.71E-01	M-2
ENSMMUG000000030824			46.23	6.89	16.09	14.60	-2.76	4.82E-04	1.43	9.83E-02	-0.39	8.53E-01	M-2
ENSMMUG000000003979	WDPCP	WD Repeat Containing Planar Cell Polarity Effector	1.87	0.50	0.58	0.43	-2.22	1.46E-02	-0.27	8.34E-01	-0.37	8.81E-01	M-2
ENSMMUG000000002096	NAGK	N-acetylglucosamine Kinase	4.41	0.88	1.79	7.76	-2.14	1.51E-02	0.96	3.34E-01	1.79	1.45E-01	M-2
ENSMMUG000000015610	DCTN1	Dynactin Subunit 1	35.60	11.51	7.14	7.84	-2.30	5.97E-05	-0.45	5.42E-01	-0.84	4.12E-01	M-2
ENSMMUG000000002139	DOK1	Docking Protein 1	1.35	0.29	0.67	0.62	-3.01	3.46E-02	2.24	1.32E-01	-1.44	5.85E-01	M-2
ENSMMUG000000019423	ZNF2	Zinc Finger Protein 2	3.96	1.06	1.15	0.55	-2.83	4.88E-03	0.25	8.65E-01	-1.51	3.62E-01	M-2
ENSMMUG000000023268	ITPRIPL1	ITPRIP Like 1	2.06	0.28	0.97	0.40	-2.89	4.78E-02	0.56	7.70E-01	-0.95	7.71E-01	M-2
ENSMMUG000000000572	MITD1	Microtubule Interacting And Trafficking Domain Containing 1	37.47	14.22	12.89	19.59	-2.02	2.70E-02	-0.53	6.43E-01	0.22	9.39E-01	M-2
ENSMMUG000000018946	EIF5B	Eukaryotic Translation Initiation Factor 5B	780.81	318.64	240.09	140.37	-1.40	7.45E-05	-0.38	3.84E-01	-0.84	9.51E-02	M-2

ENSMMUG00000021645	CHST10	Carbohydrate Sulfotransferase 10	6.16	0.62	0.19	0.45	-3.51	1.26E-02	-2.67	8.39E-02	1.50	5.90E-01	M-2
ENSMMUG00000010811	MAP4K4	Mitogen-activated Protein Kinase Kinase Kinase 4	180.83	82.16	60.93	36.39	-1.29	3.20E-02	-0.38	6.05E-01	-0.78	4.38E-01	M-2
ENSMMUG00000016594	FHL2	Four And A Half LIM Domains 2	1.93	0.41	0.28	0.11	-4.18	1.34E-03	1.01	5.51E-01	-1.08	7.28E-01	M-2
ENSMMUG0000001390	NCK2	NCK Adaptor Protein 2	12.83	2.43	3.99	5.94	-2.60	2.25E-02	-0.33	8.37E-01	-0.30	9.32E-01	M-2
ENSMMUG0000001697			5.65	0.03	0.44	0.49	-7.08	2.33E-05	1.58	4.88E-01	0.64	8.97E-01	M-2
ENSMMUG00000016560	SKA3	Spindle And Kinetochore Associated Complex Subunit 3	10.73	3.80	3.60	4.19	-1.55	7.11E-03	-0.01	9.92E-01	-0.31	8.33E-01	M-2
ENSMMUG00000043288			6.00	0.18	2.12	1.76	-5.81	8.16E-05	2.86	8.27E-02	-2.07	4.40E-01	M-2
ENSMMUG00000008661	SLC7A1	Solute Carrier Family 7 Member 1	9.13	2.64	1.29	2.68	-2.91	3.15E-02	-0.08	9.68E-01	-0.76	8.12E-01	M-2
ENSMMUG00000007192	FRY	FRY Microtubule Binding Protein	1.17	0.28	0.28	0.54	-2.68	3.80E-02	-0.59	7.26E-01	0.81	7.83E-01	M-2
ENSMMUG00000012307	POSTN	Periostin	4.38	0.47	0.49	0.05	-3.51	1.00E-02	-2.96	5.43E-02	0.14	9.80E-01	M-2
ENSMMUG00000007880	ELF1	E74 Like ETS Transcription Factor 1	16.28	5.56	7.63	10.58	-1.57	1.77E-02	0.02	9.87E-01	0.57	6.70E-01	M-2
ENSMMUG00000007881	WBP4	WW Domain Binding Protein 4	35.03	14.02	8.97	9.31	-1.57	8.91E-03	-0.68	3.28E-01	0.65	5.72E-01	M-2
ENSMMUG00000009862	RUBCNL	RUN And Cysteine Rich Domain Containing Beclin 1 Interacting Protein Like	4.89	0.34	0.30	0.21	-3.85	1.15E-03	-2.06	1.32E-01	1.47	5.42E-01	M-2
ENSMMUG00000021029	RCBTB1	RCC1 And BTB Domain Containing Protein 1	4.73	1.37	3.55	2.62	-2.44	1.19E-02	0.92	4.18E-01	0.32	9.07E-01	M-2
ENSMMUG00000009579	SPRYD7	SPRY Domain Containing 7	5.11	1.41	1.75	10.21	-3.01	8.51E-03	0.22	8.97E-01	2.32	1.67E-01	M-2
ENSMMUG00000030714			363.12	23.58	37.55	39.99	-4.06	3.44E-11	0.47	5.74E-01	0.79	5.23E-01	M-2
ENSMMUG00000002657	OLFM4	Olfactomedin 4	8.28	1.18	0.29	0.65	-3.76	5.61E-03	-2.08	1.62E-01	3.00	1.20E-01	M-2
ENSMMUG000000037916			16.66	0.62	0.16	0.07	-6.31	2.23E-03	-1.81	4.88E-01	-0.96	8.78E-01	M-2
ENSMMUG000000037926			3.66	1.08	0.42	0.59	-2.18	2.78E-02	-1.25	2.48E-01	1.65	2.72E-01	M-2
ENSMMUG00000021197	TBC1D4	TBC1 Domain Family Member 4	2.23	0.47	0.27	1.43	-3.01	2.19E-02	-2.49	6.95E-02	3.23	6.05E-02	M-2
ENSMMUG00000003560	UCHL3	Ubiquitin C-terminal Hydrolase L3	57.53	11.36	23.92	25.25	-2.46	2.48E-03	1.09	2.37E-01	-0.08	9.81E-01	M-2
ENSMMUG00000021817	DCT	Dopachrome Tautomerase	2.33	0.47	0.36	0.03	-5.18	2.19E-02	-2.24	4.08E-01	-4.24	2.38E-01	M-2
ENSMMUG00000009721	CLDN10	Claudin 10	8.49	0.18	0.12	0.02	-5.24	7.31E-04	-1.75	3.90E-01	-1.55	6.82E-01	M-2
ENSMMUG00000012332	UBAC2	UBA Domain Containing 2	4.11	0.47	1.12	3.81	-4.23	3.61E-05	0.81	5.44E-01	1.43	4.44E-01	M-2
ENSMMUG00000019556	TM9SF2	Transmembrane 9 Superfamily Member 2	49.35	15.35	30.88	37.57	-1.79	2.25E-03	1.06	9.28E-02	-0.24	8.87E-01	M-2
ENSMMUG000000044982			18.70	1.25	2.06	0.07	-4.35	4.48E-02	-2.44	3.61E-01	-0.83	9.02E-01	M-2
ENSMMUG00000030627	FAM155A	Family With Sequence Similarity 155 Member A	2.35	0.06	0.21	0.03	-5.68	8.87E-04	-0.53	8.55E-01	-1.43	7.51E-01	M-2
ENSMMUG000000048566	MCF2L	MCF.2 Cell Line Derived Transforming Sequence Like	1.61	0.20	0.20	0.84	-4.07	1.06E-04	1.14	3.78E-01	0.73	7.78E-01	M-2
ENSMMUG00000009791			17.43	2.14	2.36	5.21	-3.02	8.61E-04	0.23	8.66E-01	1.13	5.04E-01	M-2
ENSMMUG000000022526			0.62	0.25	1.73	0.07	-4.25	4.38E-02	3.08	1.63E-01	-4.34	1.45E-01	M-2
ENSMMUG00000009227	YTHDF1	YTH N6-methyladenosine RNA Binding Protein 1	54.44	22.88	40.01	44.08	-1.39	5.29E-03	0.75	1.65E-01	0.12	9.40E-01	M-2
ENSMMUG00000005011			7.61	1.08	0.74	0.62	-3.90	1.25E-02	-0.80	6.98E-01	-0.33	9.52E-01	M-2
ENSMMUG00000014084	LSM14B	LSM Family Member 14B	19.94	6.09	6.95	4.52	-2.18	3.56E-02	-0.11	9.44E-01	-0.82	7.00E-01	M-2
ENSMMUG00000015391	CTSZ	Cathepsin Z	1.17	0.24	0.86	3.26	-4.78	1.73E-03	1.94	2.79E-01	3.35	1.30E-01	M-2
ENSMMUG00000010006	STX16	Syntaxin 16	1.23	0.09	1.87	0.37	-6.39	3.65E-05	2.53	1.62E-01	2.64	3.13E-01	M-2
ENSMMUG00000001833	STX16	Syntaxin 16	11.73	3.23	6.72	9.80	-1.87	6.01E-03	0.92	2.26E-01	1.12	2.92E-01	M-2
ENSMMUG00000000073	CASS4	Cas Scaffolding Protein Family Member 4	1.74	0.18	0.11	0.04	-4.55	2.88E-04	-0.48	8.03E-01	-2.84	1.64E-01	M-2
ENSMMUG00000000918	ATP9A	ATPase Phospholipid Transporting 9A (putative)	2.75	1.58	0.60	2.53	-2.53	3.09E-02	-0.70	6.30E-01	0.69	8.01E-01	M-2
ENSMMUG00000000757	RNF114	Ring Finger Protein 114	68.03	24.37	18.98	15.85	-1.28	4.40E-02	-1.00	1.22E-01	0.67	5.59E-01	M-2
ENSMMUG00000013697	PCIF1	PDX1 C-terminal Inhibiting Factor 1	14.18	5.42	2.78	4.31	-1.86	3.74E-02	-0.25	8.41E-01	-0.12	9.69E-01	M-2
ENSMMUG00000020172	KIAA1755	KIAA1755 Ortholog	2.25	2.64	0.19	0.02	-5.95	1.47E-03	-2.67	2.39E-01	-4.94	6.98E-02	M-2
ENSMMUG00000020957	FER1L4	Fer-1-like 4 (C. Elegans)	0.96	0.35	0.07	0.02	-4.29	4.69E-03	-1.90	2.96E-01	-2.83	2.64E-01	M-2
ENSMMUG00000007335	CEP250	Centrosomal Protein 250	3.31	1.68	1.16	1.87	-1.93	1.84E-02	0.62	5.29E-01	-0.47	8.10E-01	M-2

ENSMMUG00000010032	EDEM2	ER Degradation Enhancing Alpha-mannosidase Like Protein 2	17.15	7.43	5.40	10.82	-1.55	4.89E-02	-0.82	3.43E-01	1.36	2.34E-01	M-2
ENSMMUG00000000229	TRPC4AP	Transient Receptor Potential Cation Channel Subfamily C Member 4 Associated Protein	30.48	12.26	7.04	5.39	-1.91	3.95E-02	-0.79	4.59E-01	-0.39	8.67E-01	M-2
ENSMMUG00000018462			3.49	1.17	1.76	10.57	-2.32	3.71E-02	1.33	2.86E-01	1.56	3.86E-01	M-2
ENSMMUG00000021492	ZNF341	Zinc Finger Protein 341	3.02	1.63	0.61	2.62	-2.55	4.12E-02	-0.12	9.50E-01	0.89	7.44E-01	M-2
ENSMMUG00000023543	NECAB3	N-terminal EF-hand Calcium Binding Protein 3	5.98	0.53	1.29	1.35	-4.53	2.24E-03	1.13	5.50E-01	-0.57	8.94E-01	M-2
ENSMMUG00000022546	TCF15	Transcription Factor 15	11.23	3.45	7.30	2.72	-2.30	2.74E-02	1.28	2.60E-01	-1.01	6.15E-01	M-2
ENSMMUG00000004305	STK35	Serine/threonine Kinase 35	43.29	15.94	15.95	12.84	-1.37	2.65E-03	-0.38	4.89E-01	-0.03	9.84E-01	M-2
ENSMMUG00000010678	OXT	Oxytocin/neurophysin I Prepropeptide	4.09	0.22	0.11	0.01	-5.74	2.73E-02	-0.16	9.69E-01	-0.05	9.97E-01	M-2
ENSMMUG00000013744			35.94	8.98	14.28	9.82	-1.76	1.20E-02	0.45	6.13E-01	-0.75	5.73E-01	M-2
ENSMMUG00000018114	SLX4IP	SLX4 Interacting Protein	10.62	3.27	3.12	2.45	-2.73	8.75E-05	0.67	4.41E-01	0.09	9.74E-01	M-2
ENSMMUG00000020859			1.57	0.67	1.57	1.18	-2.75	3.27E-02	1.93	1.52E-01	-1.26	6.05E-01	M-2
ENSMMUG00000041787	PRODH	Proline Dehydrogenase 1	3.23	0.81	1.13	1.51	-2.75	1.64E-02	1.11	4.05E-01	-1.26	5.56E-01	M-2
ENSMMUG00000019925	DGCR2	DiGeorge Syndrome Critical Region Gene 2	4.00	0.95	3.13	3.91	-3.19	2.25E-02	1.41	3.77E-01	0.60	8.69E-01	M-2
ENSMMUG00000005431			0.36	0.06	0.41	1.58	-3.33	1.20E-02	1.90	1.90E-01	3.24	5.86E-02	M-2
ENSMMUG00000017144	RTL10	Retrotransposon Gag Like 10	15.31	1.79	1.61	2.24	-3.94	5.98E-05	1.14	3.41E-01	-0.62	8.05E-01	M-2
ENSMMUG00000005527	PPM1F	Protein Phosphatase, Mg2+/Mn2+ Dependent 1F	2.52	0.81	0.39	1.61	-2.48	2.72E-02	-1.23	3.46E-01	2.40	1.50E-01	M-2
ENSMMUG00000001776	GNAZ	G Protein Subunit Alpha Z	2.79	2.10	0.21	0.11	-5.05	7.69E-04	-2.50	1.71E-01	-1.66	5.95E-01	M-2
ENSMMUG00000002288	LOC700936	Gamma-glutamyltranspeptidase 1	0.92	0.10	0.72	0.55	-5.59	1.10E-03	1.78	3.91E-01	1.30	7.34E-01	M-2
ENSMMUG00000023441	ASPHD2	Aspartate Beta-hydroxylase Domain Containing 2	3.43	0.81	0.91	0.44	-3.21	4.01E-02	-0.84	6.86E-01	-1.64	6.00E-01	M-2
ENSMMUG00000048595			2.58	0.72	1.37	0.75	-3.12	3.27E-02	2.08	1.90E-01	-1.52	5.76E-01	M-2
ENSMMUG00000000025	ZNRF3	Zinc And Ring Finger 3	2.12	0.64	1.81	1.59	-2.04	3.29E-02	1.82	5.76E-02	-1.27	4.22E-01	M-2
ENSMMUG00000005553	TBC1D10A	TBC1 Domain Family Member 10A	1.90	0.36	0.54	0.31	-2.16	1.92E-02	0.37	7.69E-01	-1.34	3.79E-01	M-2
ENSMMUG00000018299	OSBP2	Oxysterol Binding Protein 2	7.04	1.48	0.33	0.26	-3.42	4.40E-03	-2.35	6.40E-02	0.26	9.52E-01	M-2
ENSMMUG00000041493	LOC107000631	Uncharacterized LOC107000631	5.12	1.80	0.07	0.39	-4.91	4.54E-02	-4.00	1.41E-01	1.23	8.48E-01	M-2
ENSMMUG00000049206	RBOX2	RNA Binding Fox-1 Homolog 2	4.66	0.96	1.25	1.75	-2.39	3.12E-02	0.89	4.93E-01	0.72	7.74E-01	M-2
ENSMMUG00000005417	IL2RB	Interleukin 2 Receptor Subunit Beta	3.58	0.11	0.01	0.03	-8.97	6.60E-09	0.19	9.49E-01	1.86	5.93E-01	M-2
ENSMMUG00000021345	TNRC6B	Trinucleotide Repeat Containing 6B	74.12	13.27	13.40	7.52	-2.30	5.54E-06	-0.42	5.23E-01	-0.62	5.28E-01	M-2
ENSMMUG00000008135	SGSM3	Small G Protein Signaling Modulator 3	2.22	0.26	1.57	1.93	-4.24	6.51E-04	1.73	2.27E-01	0.71	8.20E-01	M-2
ENSMMUG00000005252	SULT4A1	Sulfotransferase Family 4A Member 1	1.14	0.24	0.63	0.67	-4.41	5.29E-03	0.55	8.06E-01	0.92	8.12E-01	M-2
ENSMMUG00000003764	LOC719018	TBC1 Domain Family Member 22A-like	6.24	1.35	0.96	1.28	-2.48	7.36E-03	-1.16	2.66E-01	-0.12	9.72E-01	M-2
ENSMMUG00000011273	ALG12	ALG12, Alpha-1,6-mannosyltransferase	3.09	0.88	1.38	2.57	-4.05	7.56E-04	2.07	1.17E-01	0.40	9.10E-01	M-2
ENSMMUG00000011023	PANX2	Pannexin 2	1.44	0.32	0.06	0.07	-3.45	2.88E-02	-2.46	1.69E-01	-0.46	9.33E-01	M-2
ENSMMUG00000014106	MAPK12	Mitogen-activated Protein Kinase 12	1.79	0.10	1.00	0.73	-5.24	4.51E-03	1.53	5.07E-01	3.39	2.38E-01	M-2
ENSMMUG00000030970	LMF2	Lipase Maturation Factor 2	1.11	0.38	1.25	2.88	-3.22	2.95E-02	1.63	3.25E-01	-0.08	9.87E-01	M-2
ENSMMUG00000010699	DPH1	Diphthamide Biosynthesis 1	1.03	3.04	2.40	3.49	-3.45	4.00E-02	2.49	1.52E-01	2.39	3.58E-01	M-2
ENSMMUG00000017763	PITPNM3	PITPNM Family Member 3	4.51	1.97	0.29	0.54	-3.24	1.28E-03	-1.50	1.91E-01	-1.65	3.25E-01	M-2
ENSMMUG00000015617	PLSCR3	Phospholipid Scramblase 3	3.30	0.06	0.20	0.97	-5.99	6.70E-04	-0.17	9.56E-01	2.72	3.60E-01	M-2
ENSMMUG00000021938	NDEL1	NudE Neurodevelopment Protein 1 Like 1	76.69	6.94	4.85	6.90	-3.57	5.21E-05	-0.92	4.02E-01	-0.13	9.70E-01	M-2
ENSMMUG00000005900	GID4	GID Complex Subunit 4 Homolog	28.41	9.33	7.37	4.27	-1.45	2.15E-03	-0.35	5.58E-01	-0.96	1.67E-01	M-2
ENSMMUG00000000140	EPN2	Epsin 2	18.87	5.72	9.68	5.01	-1.53	2.80E-02	0.31	7.36E-01	0.09	9.69E-01	M-2

ENSMMUG00000019667	TAOK1	TAO Kinase 1	16.22	5.53	5.14	7.80	-2.78	5.55E-06	0.62	4.24E-01	0.03	9.91E-01	M-2
ENSMMUG00000014413	SSH2	Slingshot Protein Phosphatase 2	3.27	1.99	0.86	2.11	-1.65	2.25E-02	-0.49	5.74E-01	0.50	7.54E-01	M-2
ENSMMUG00000000750	RFFL	Ring Finger And FYVE Like Domain Containing E3 Ubiquitin Protein Ligase	38.68	2.94	3.55	2.53	-4.56	1.07E-10	-0.58	5.48E-01	0.13	9.65E-01	M-2
ENSMMUG00000002069	MSI2	Musashi RNA Binding Protein 2	13.03	4.33	1.52	0.77	-2.90	2.79E-02	-2.04	1.43E-01	0.76	8.11E-01	M-2
ENSMMUG00000005793			0.97	0.19	0.13	0.04	-6.26	2.10E-03	-0.87	7.79E-01	-1.47	7.60E-01	M-2
ENSMMUG00000022628	MMD	Monocyte To Macrophage Differentiation Associated	3.25	2.33	1.93	2.80	-2.64	3.21E-03	0.64	5.72E-01	2.12	8.44E-02	M-2
ENSMMUG00000013737	CA10	Carbonic Anhydrase 10	2.78	0.14	0.03	0.01	-4.69	5.04E-04	-2.20	1.97E-01	-0.78	8.50E-01	M-2
ENSMMUG00000020531	SOCS7	Suppressor Of Cytokine Signaling 7	34.32	4.37	5.84	1.52	-3.20	3.47E-05	-0.93	3.19E-01	-1.96	7.64E-02	M-2
ENSMMUG00000017341	ZBP2	Zona Pellucida Binding Protein 2	3.39	0.84	0.12	0.01	-2.80	2.54E-02	-2.58	5.43E-02	-0.83	8.11E-01	M-2
ENSMMUG00000002931			13.30	4.59	0.63	0.81	-2.67	6.31E-03	-0.75	5.41E-01	-0.29	9.23E-01	M-2
ENSMMUG00000009384	IGFBP4	Insulin Like Growth Factor Binding Protein 4	2.10	1.79	0.02	0.05	-8.33	4.88E-03	0.98	8.19E-01	-4.81	3.23E-01	M-2
ENSMMUG00000004004	KRT222	Keratin 222	8.66	0.64	1.90	0.03	-4.19	1.58E-03	-0.60	7.57E-01	-3.26	1.42E-01	M-2
ENSMMUG00000003437			1.23	0.08	0.41	0.69	-4.21	5.41E-03	2.22	1.85E-01	0.86	8.15E-01	M-2
ENSMMUG00000010707	STAT3	Signal Transducer And Activator Of Transcription 3	12.68	6.09	7.95	7.19	-1.51	3.03E-02	0.55	5.04E-01	-0.60	6.69E-01	M-2
ENSMMUG00000009886	COASY	Coenzyme A Synthase	5.64	2.24	5.44	7.02	-2.30	2.53E-02	1.72	1.05E-01	0.73	7.43E-01	M-2
ENSMMUG00000009203	RNFT1	Ring Finger Protein, Transmembrane 1	9.18	2.34	6.25	6.02	-1.95	4.24E-02	1.23	2.29E-01	0.26	9.28E-01	M-2
ENSMMUG00000011809	PECAM1	Platelet And Endothelial Cell Adhesion Molecule 1	4.58	3.10	0.91	5.28	-4.31	3.14E-05	0.44	7.76E-01	0.50	8.60E-01	M-2
ENSMMUG00000023405	OTOP3	Otopettrin 3	0.74	0.17	0.32	0.01	-5.55	1.80E-02	0.06	9.86E-01	-0.18	9.84E-01	M-2
ENSMMUG00000015512	BAIAP2	BAI1 Associated Protein 2	22.43	3.93	2.83	1.13	-2.40	5.59E-04	-0.64	4.61E-01	-1.59	1.17E-01	M-2
ENSMMUG00000010887			1.10	0.07	0.54	1.94	-3.96	2.60E-03	1.91	2.02E-01	2.50	1.99E-01	M-2
ENSMMUG00000012799	RFNG	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	2.13	0.25	1.33	2.99	-5.54	1.29E-04	1.86	2.92E-01	1.54	6.25E-01	M-2
ENSMMUG00000019224	NARF	Nuclear Prelamin A Recognition Factor	9.27	1.65	3.95	3.78	-2.29	5.31E-06	1.08	5.04E-02	0.19	9.00E-01	M-2
ENSMMUG00000021803	WDR45B	WD Repeat Domain 45B	27.79	12.23	7.89	8.14	-1.33	2.93E-02	-0.61	3.79E-01	0.67	5.38E-01	M-2
ENSMMUG00000000599	FAM234A	Family With Sequence Similarity 234 Member A	3.74	1.35	1.28	8.48	-3.97	1.36E-03	0.84	6.04E-01	2.98	8.19E-02	M-2
ENSMMUG000000037575			12.86	1.93	4.75	17.85	-3.33	1.01E-02	1.62	2.64E-01	1.75	4.36E-01	M-2
ENSMMUG00000012440	UNKL	Unkempt Family Like Zinc Finger	5.85	0.83	0.88	1.00	-2.88	2.49E-03	-0.19	8.97E-01	-0.59	8.05E-01	M-2
ENSMMUG00000000737	HAGH	Hydroxyacylglutathione Hydrolase	2.61	0.18	0.33	1.38	-6.03	1.07E-06	2.06	1.56E-01	0.85	7.85E-01	M-2
ENSMMUG00000029263	PKD1	Polycystin 1, Transient Receptor Potential Channel Interacting	1.49	0.34	0.32	0.34	-2.71	3.38E-03	-0.12	9.35E-01	-0.61	7.85E-01	M-2
ENSMMUG00000044909	TVP23A	Trans-golgi Network Vesicle Protein 23 Homolog A	1.25	0.67	0.10	0.24	-2.96	3.51E-02	-1.13	4.95E-01	0.16	9.75E-01	M-2
ENSMMUG00000011242	ZC3H7A	Zinc Finger CCCH-type Containing 7A	36.38	8.71	11.00	8.49	-1.86	4.73E-04	-0.05	9.54E-01	-0.16	9.20E-01	M-2
ENSMMUG00000020428	TNRC6A	Trinucleotide Repeat Containing 6A	31.98	10.56	9.47	8.56	-1.36	1.42E-03	-0.24	6.80E-01	-0.01	9.96E-01	M-2
ENSMMUG00000001407	SLC5A11	Solute Carrier Family 5 Member 11	3.90	0.56	0.37	0.11	-3.17	4.59E-03	0.08	9.65E-01	-2.18	2.14E-01	M-2
ENSMMUG00000029176	ARHGAP17	Rho GTPase Activating Protein 17	1.78	0.33	0.14	0.24	-3.22	7.36E-03	-1.24	4.05E-01	0.09	9.86E-01	M-2
ENSMMUG00000023524	SH2B1	SH2B Adaptor Protein 1	5.89	0.93	0.78	2.05	-2.72	4.74E-02	-1.33	3.90E-01	2.89	1.18E-01	M-2
ENSMMUG00000016422	MVP	Major Vault Protein	20.68	5.15	2.26	1.54	-2.60	1.15E-03	-0.17	8.87E-01	-1.82	1.12E-01	M-2
ENSMMUG00000047946	LOC714758	Putative Zinc Finger Protein 724	9.32	3.92	3.11	2.41	-2.66	8.44E-03	1.28	2.55E-01	-1.43	4.04E-01	M-2
ENSMMUG00000019902	AMFR	Autocrine Motility Factor Receptor	12.06	3.42	7.31	10.40	-1.60	4.02E-02	1.34	9.11E-02	-0.02	9.95E-01	M-2

ENSMMUG00000029125	OGFOD1	2-oxoglutarate And Iron Dependent Oxygenase Domain Containing 1	44.56	13.26	10.59	6.64	-2.00	2.20E-03	-0.08	9.41E-01	-1.15	2.62E-01	M-2
ENSMMUG00000029108	CKLF	Chemokine-like Factor	3.60	0.97	3.27	4.37	-2.69	2.42E-02	1.31	3.27E-01	1.76	3.49E-01	M-2
ENSMMUG00000020848	CMTM4	CKLF Like MARVEL Transmembrane Domain Containing 4	6.51	0.85	2.71	7.38	-3.65	3.98E-03	2.07	1.32E-01	2.94	9.18E-02	M-2
ENSMMUG00000018111	FHOD1	Formin Homology 2 Domain Containing 1	2.58	0.41	1.46	2.00	-3.05	8.72E-03	1.23	3.59E-01	1.36	5.20E-01	M-2
ENSMMUG00000010922	HAS3	Hyaluronan Synthase 3	2.99	0.57	1.07	0.18	-4.27	1.37E-03	-0.97	5.80E-01	1.96	4.36E-01	M-2
ENSMMUG00000004391	CHST4	Carbohydrate Sulfotransferase 4	3.86	0.44	0.16	0.12	-6.78	2.36E-05	-1.10	6.42E-01	-0.86	8.51E-01	M-2
ENSMMUG00000008375	RFWD3	Ring Finger And WD Repeat Domain 3	62.44	23.80	10.39	10.83	-1.87	4.14E-02	-1.32	1.68E-01	-0.61	7.64E-01	M-2
ENSMMUG00000008381	FA2H	Fatty Acid 2-hydroxylase	2.30	1.89	0.36	0.42	-2.98	4.89E-02	-1.54	3.84E-01	0.04	9.94E-01	M-2
ENSMMUG00000011847	CDYL2	Chromodomain Y Like 2	0.57	0.16	0.29	1.31	-3.95	1.87E-02	1.31	5.20E-01	3.15	1.79E-01	M-2
ENSMMUG00000011893	KIAA0513	KIAA0513 Ortholog	2.00	1.29	0.45	0.39	-4.61	6.16E-03	-0.96	6.81E-01	-4.05	9.80E-02	M-2
ENSMMUG000000041678			0.73	0.01	0.13	1.65	-5.38	4.33E-02	3.27	2.68E-01	3.96	3.29E-01	M-2
ENSMMUG00000012430	GALNS	Galactosamine (N-acetyl)-6- sulfatase	0.48	0.17	0.14	0.86	-4.09	2.19E-02	0.89	7.10E-01	2.15	5.07E-01	M-2
ENSMMUG00000011961	FAM210A	Family With Sequence Similarity 210 Member A	113.13	61.51	31.02	47.93	-1.23	3.16E-02	-0.38	5.87E-01	0.52	6.47E-01	M-2
ENSMMUG000000041910			1.06	0.64	0.21	0.06	-3.87	1.69E-02	-2.50	1.88E-01	-2.28	4.21E-01	M-2
ENSMMUG000000017548	LPIN2	Lipin 2	10.23	3.77	4.07	3.45	-1.46	1.37E-02	-1.06	8.71E-02	0.95	3.07E-01	M-2
ENSMMUG000000004046	TYMS	Thymidylate Synthetase	161.18	53.52	33.88	39.63	-1.79	9.93E-05	-0.30	6.25E-01	0.28	8.15E-01	M-2
ENSMMUG000000004382	ABHD3	Abhydrolase Domain Containing 3	7.30	2.65	3.75	1.53	-2.88	1.32E-02	0.59	6.98E-01	0.87	7.36E-01	M-2
ENSMMUG000000021484	NPC1	NPC Intracellular Cholesterol Transporter 1	25.05	9.85	15.19	17.01	-1.56	1.87E-02	0.14	8.85E-01	0.58	6.65E-01	M-2
ENSMMUG000000021094	DSG3	Desmoglein 3	1.42	0.28	0.06	0.25	-4.71	1.49E-02	-2.40	2.94E-01	1.29	7.80E-01	M-2
ENSMMUG000000016674	B4GALT6	Beta-1,4- galactosyltransferase 6	8.27	2.55	2.00	5.59	-2.15	2.12E-03	-0.87	2.84E-01	1.24	2.52E-01	M-2
ENSMMUG000000020670	LOC693664	Pseudouridine-5'- phosphatase	1.68	0.95	0.47	5.58	-3.15	4.21E-02	0.38	8.68E-01	2.70	2.38E-01	M-2
ENSMMUG000000048233			2.28	0.03	1.84	12.32	-4.96	7.62E-03	3.51	7.73E-02	4.33	6.73E-02	M-2
ENSMMUG000000040394			5.77	1.67	0.84	0.19	-4.45	2.79E-02	-0.79	7.78E-01	-2.48	5.25E-01	M-2
ENSMMUG000000003124	HAUS1	HAUS Augmin Like Complex Subunit 1	2.79	0.71	1.37	2.28	-1.80	2.80E-02	0.51	6.20E-01	0.57	7.56E-01	M-2
ENSMMUG000000010911	POLI	DNA Polymerase Iota	10.58	1.17	1.45	3.55	-3.50	7.03E-10	-0.02	9.87E-01	1.39	1.13E-01	M-2
ENSMMUG000000022568	FECH	Ferredoxin-like Ferrochelatase	1.21	0.59	0.68	1.75	-4.44	8.64E-03	1.13	6.05E-01	-0.38	9.47E-01	M-2
ENSMMUG000000022873	LOC100424017	Serpin B8	1.87	0.37	1.18	0.45	-3.09	3.76E-02	1.22	4.79E-01	-1.62	5.41E-01	M-2
ENSMMUG000000000576	CDH7	Cadherin 7	1.08	0.21	0.15	0.08	-4.65	1.76E-02	0.86	7.51E-01	-4.00	1.74E-01	M-2
ENSMMUG000000010169			26.04	6.52	2.57	5.05	-2.44	6.08E-04	-1.24	1.14E-01	0.75	6.00E-01	M-2
ENSMMUG000000047554			3.43	0.14	0.83	0.03	-6.33	2.71E-02	1.07	7.98E-01	-1.56	8.30E-01	M-2
ENSMMUG000000013607	CYB5A	Cytochrome B5 Type A (microsomal)	67.50	14.29	7.12	9.49	-2.42	7.35E-03	-1.45	1.36E-01	0.89	6.18E-01	M-2
ENSMMUG000000047601			0.81	0.40	0.25	2.01	-7.38	4.32E-02	4.21	2.98E-01	1.07	9.18E-01	M-2
ENSMMUG000000044288			28.21	3.22	4.75	3.59	-3.19	2.91E-03	0.31	8.41E-01	-0.48	8.68E-01	M-2
ENSMMUG000000048414			1.87	0.43	1.87	0.18	-3.80	4.45E-02	-1.12	6.36E-01	0.26	9.69E-01	M-2
ENSMMUG000000012768			2.30	1.35	0.56	0.86	-3.48	4.97E-03	0.37	8.39E-01	-2.10	3.05E-01	M-2
ENSMMUG000000003043	LOC706727	PWWP Domain-containing Protein MUM1	2.13	0.61	1.28	2.68	-2.99	9.53E-03	1.82	1.38E-01	1.74	3.51E-01	M-2
ENSMMUG000000003053	APC2	APC2, WNT Signaling Pathway Regulator	1.47	0.13	0.36	0.07	-4.17	7.61E-04	0.45	8.06E-01	-0.74	8.19E-01	M-2
ENSMMUG000000007269	ZNF554	Zinc Finger Protein 554	2.74	0.34	0.45	0.76	-4.55	2.26E-04	2.02	1.47E-01	0.58	8.64E-01	M-2
ENSMMUG000000002961	GNA11	G Protein Subunit Alpha 11	23.61	8.49	11.15	10.74	-1.52	3.75E-03	0.35	5.98E-01	0.00	1.00E+00	M-2
ENSMMUG000000019870	FZR1	Fizzy And Cell Division Cycle 20 Related 1	6.98	3.11	1.58	1.89	-2.10	3.08E-02	-0.85	4.56E-01	-1.61	2.71E-01	M-2
ENSMMUG000000020705			2.04	0.21	0.10	0.17	-4.13	2.92E-02	-2.17	3.24E-01	3.03	3.22E-01	M-2
ENSMMUG000000016695	CD320	CD320 Molecule	4.40	1.89	0.86	0.34	-3.39	3.00E-02	-0.77	7.06E-01	0.37	9.46E-01	M-2
ENSMMUG000000039202			5.33	0.38	0.11	0.03	-6.05	1.70E-02	0.33	9.37E-01	-3.09	5.21E-01	M-2
ENSMMUG000000043134	CCDC159	Coiled-coil Domain Containing 159	1.40	0.12	0.51	0.37	-4.47	1.05E-02	0.04	9.88E-01	0.41	9.46E-01	M-2
ENSMMUG000000005236	ZNF709	Zinc Finger Protein 709	5.81	2.80	2.23	1.64	-1.57	4.36E-02	0.13	9.04E-01	-0.81	5.67E-01	M-2
ENSMMUG000000017971			7.14	8.32	4.41	7.37	-2.79	4.13E-02	0.45	8.08E-01	-2.18	2.88E-01	M-2

ENSMMUG0000000491	HAUS8	HAUS Augmin Like Complex Subunit 8	31.78	8.49	7.70	8.87	-2.54	1.19E-03	0.10	9.40E-01	1.04	4.58E-01	M-2
ENSMMUG00000004406	PGPEP1	Pyroglutamyl-peptidase I	17.96	4.28	1.32	2.01	-2.74	1.46E-02	-1.46	2.38E-01	0.34	9.18E-01	M-2
ENSMMUG00000015395	PDCD5	Programmed Cell Death 5	307.71	82.01	51.34	30.23	-2.43	2.54E-07	-0.45	4.63E-01	-0.67	4.46E-01	M-2
ENSMMUG00000008041	ANKRD27	Ankyrin Repeat Domain 27	7.06	2.88	3.61	3.20	-1.62	4.64E-02	0.42	6.83E-01	-0.10	9.72E-01	M-2
ENSMMUG00000015608	TDRD12	Tudor Domain Containing 12	8.71	1.78	0.91	0.27	-2.53	2.34E-02	-0.76	5.78E-01	-2.50	1.03E-01	M-2
ENSMMUG00000005879	KIAA0355	KIAA0355 Ortholog	6.37	3.32	1.95	2.65	-1.52	1.76E-02	-1.10	9.96E-02	0.66	5.84E-01	M-2
ENSMMUG00000019758	HCST	Hematopoietic Cell Signal Transducer	2.14	0.44	0.32	1.06	-6.77	6.70E-03	3.09	2.92E-01	-1.68	7.80E-01	M-2
ENSMMUG00000019700	ALKBH6	AlkB Homolog 6	4.16	1.35	1.53	1.76	-3.89	9.53E-03	-0.39	8.60E-01	-0.68	8.62E-01	M-2
ENSMMUG00000019704	WDR62	WD Repeat Domain 62	4.30	0.34	0.48	2.43	-5.00	2.15E-08	0.70	5.68E-01	1.97	1.60E-01	M-2
ENSMMUG00000011092	ZNF540	Zinc Finger Protein 540	2.37	0.47	0.18	0.27	-3.55	5.74E-03	-1.27	4.24E-01	1.20	6.82E-01	M-2
ENSMMUG00000003493	DPF1	Double PHD Fingers 1	2.34	0.97	0.28	0.41	-2.76	3.09E-02	-1.42	3.29E-01	0.67	8.32E-01	M-2
ENSMMUG00000014544	FBXO27	F-box Protein 27	2.39	0.23	0.11	0.53	-3.53	2.46E-02	-1.99	2.77E-01	3.19	1.67E-01	M-2
ENSMMUG00000003826	LOC700344	Zinc Finger Protein 780A	3.27	1.03	2.01	4.60	-2.18	1.32E-02	1.21	2.08E-01	0.56	7.85E-01	M-2
ENSMMUG00000004813	RAB4B	RAB4B, Member RAS Oncogene Family	16.04	1.48	1.78	1.30	-4.11	3.98E-07	0.24	8.51E-01	-0.05	9.86E-01	M-2
ENSMMUG00000041041	DEDD2	Death Effector Domain Containing 2	19.60	4.37	0.97	1.97	-2.47	5.03E-03	-1.69	6.85E-02	0.33	8.98E-01	M-2
ENSMMUG00000046507	ZNF284	Zinc Finger Protein 284	6.03	0.49	1.59	0.47	-3.87	3.22E-05	1.68	1.08E-01	-1.13	5.33E-01	M-2
ENSMMUG000000022934	BLOC1S3	Biogenesis Of Lysosomal Organelles Complex 1 Subunit 3	16.82	17.08	9.46	4.44	-2.65	2.29E-02	0.30	8.53E-01	-2.70	7.90E-02	M-2
ENSMMUG000000022940	OPA3	OPA3, Outer Mitochondrial Membrane Lipid Metabolism Regulator	8.04	3.26	6.12	3.03	-2.45	2.32E-02	1.38	2.42E-01	-1.71	3.04E-01	M-2
ENSMMUG00000013009	MEIS3	Meis Homeobox 3	9.26	2.41	0.65	0.72	-2.78	3.15E-02	-2.59	5.03E-02	0.28	9.51E-01	M-2
ENSMMUG000000022161	CA11	Carbonic Anhydrase 11	1.76	1.45	0.08	0.30	-5.68	1.68E-03	0.42	8.81E-01	-0.81	8.72E-01	M-2
ENSMMUG00000010079	BCAT2	Branched Chain Amino Acid Transaminase 2	5.14	0.92	0.88	0.43	-3.51	1.77E-02	-0.92	6.23E-01	0.89	8.05E-01	M-2
ENSMMUG000000038695			5.46	1.24	4.19	1.58	-3.20	1.49E-02	1.01	5.33E-01	-1.49	5.44E-01	M-2
ENSMMUG00000012765	SIGLEC6	Sialic Acid Binding Ig Like Lectin 6	4.77	0.72	0.07	0.03	-5.45	7.65E-05	-2.15	2.63E-01	-2.80	2.92E-01	M-2
ENSMMUG00000002291	ZNF814	Zinc Finger Protein 814	26.02	9.48	4.56	8.13	-1.55	3.55E-02	-1.32	7.69E-02	0.95	4.44E-01	M-2
ENSMMUG00000010429			6.78	1.25	0.61	0.37	-3.85	2.92E-05	-0.48	7.14E-01	-0.99	6.12E-01	M-2
ENSMMUG00000010025			15.87	7.75	8.74	8.86	-1.86	4.40E-02	-0.02	9.88E-01	0.24	9.32E-01	M-2
ENSMMUG000000048481	LILRA3	Leukocyte Immunoglobulin Like Receptor A3	1.13	0.46	0.03	0.07	-5.40	1.40E-02	-1.37	6.55E-01	-2.36	5.99E-01	M-2
ENSMMUG000000038191			4.10	0.24	4.00	3.65	-4.59	8.64E-03	2.89	1.28E-01	1.90	5.80E-01	M-2
ENSMMUG000000048887	LOC106996506	Sharpin-like	5.76	0.49	1.19	8.13	-3.69	9.33E-03	1.12	5.44E-01	1.72	4.89E-01	M-2
ENSMMUG000000048461			22.02	8.92	13.10	11.33	-1.56	1.80E-02	1.22	7.15E-02	-0.72	5.57E-01	M-2
ENSMMUG000000038226			5.36	1.14	3.06	1.38	-2.73	2.56E-02	2.02	1.13E-01	-1.99	2.88E-01	M-2
ENSMMUG000000045016			9.81	3.93	0.47	0.10	-4.24	2.06E-02	-3.74	7.91E-02	-1.03	8.45E-01	M-2
ENSMMUG000000038632			85.70	20.40	36.36	19.01	-2.60	9.68E-04	1.39	1.07E-01	-2.07	5.20E-02	M-2
ENSMMUG000000009354	ARHGEF16	Rho Guanine Nucleotide Exchange Factor 16	5.45	1.62	0.21	1.51	-3.71	1.62E-03	-2.85	2.88E-02	0.95	7.38E-01	M-3
ENSMMUG00000010852	ACTL8	Actin Like 8	697.14	84.33	13.90	2.23	-3.32	2.06E-06	-3.10	1.24E-05	-1.18	3.28E-01	M-3
ENSMMUG00000004464	STPG1	Sperm Tail PG-rich Repeat Containing 1	4.45	0.31	0.34	0.07	-3.11	5.27E-03	-2.98	1.39E-02	0.63	8.36E-01	M-3
ENSMMUG00000002968	SYF2	SYF2 Pre-mRNA Splicing Factor	216.79	81.10	42.79	24.36	-1.35	4.55E-03	-1.58	6.16E-04	-0.02	9.92E-01	M-3
ENSMMUG000000032490			6.75	0.57	0.56	0.23	-4.42	6.62E-03	-5.80	1.35E-03	4.38	7.90E-02	M-3
ENSMMUG000000022995	DAB1	DAB1, Reelin Adaptor Protein	3.36	0.63	0.10	0.02	-2.16	3.13E-02	-3.54	2.73E-04	-1.37	4.70E-01	M-3
ENSMMUG000000021917	LOC702347	Leucine-rich Repeat-containing Protein 7	1.66	0.33	0.13	0.16	-2.83	3.74E-02	-3.59	8.48E-03	2.55	2.09E-01	M-3
ENSMMUG000000005287	LHX8	LIM Homeobox 8	27.47	2.76	1.47	0.21	-3.41	9.41E-05	-2.82	2.21E-03	-1.52	3.29E-01	M-3
ENSMMUG000000015403	MCOLN2	Mucopolin 2	11.55	2.27	0.35	0.16	-2.32	4.60E-02	-3.27	3.59E-03	-1.39	5.07E-01	M-3
ENSMMUG000000010094	C1H1orf146	Chromosome 1 Open Reading Frame, Human C1orf146	190.87	69.87	21.56	1.63	-2.51	1.90E-03	-3.53	6.99E-06	-2.00	7.84E-02	M-3
ENSMMUG000000009431	HENMT1	HEN Methyltransferase 1	21.19	6.00	0.66	0.38	-1.93	4.48E-02	-3.21	4.00E-04	-1.32	4.21E-01	M-3

ENSMMUG0000005817	AMIGO1	Adhesion Molecule With Ig Like Domain 1	4.75	1.91	0.43	0.27	-2.76	3.56E-02	-3.86	2.85E-03	0.43	9.07E-01	M-3
ENSMMUG0000008030	EPS8L3	EPS8 Like 3	15.23	9.34	0.83	0.33	-2.52	2.63E-02	-3.31	2.94E-03	-1.58	4.16E-01	M-3
ENSMMUG00000019642	PDZK1	PDZ Domain Containing 1	29.66	7.51	2.72	0.66	-2.37	1.69E-02	-3.24	6.83E-04	-0.42	8.75E-01	M-3
ENSMMUG0000006581	SHC1	SHC Adaptor Protein 1	56.64	17.13	7.34	7.52	-1.58	3.39E-03	-1.70	1.30E-03	0.10	9.60E-01	M-3
ENSMMUG0000002005	ARHGAP30	Rho GTPase Activating Protein 30	8.50	0.76	0.07	0.11	-3.61	2.85E-03	-2.63	4.59E-02	-0.63	8.53E-01	M-3
ENSMMUG0000002010	DEDD	Death Effector Domain Containing	53.83	28.14	10.08	4.79	-1.20	4.87E-02	-1.47	1.08E-02	-1.11	1.91E-01	M-3
ENSMMUG0000004789	NOS1AP	Nitric Oxide Synthase 1 Adaptor Protein	4.68	0.89	0.23	0.17	-2.40	3.47E-02	-2.36	4.17E-02	-1.88	2.93E-01	M-3
ENSMMUG0000005873	DISP1	Dispatched RND Transporter Family Member 1	6.12	1.06	0.29	0.31	-2.51	1.69E-02	-2.59	1.50E-02	0.74	7.71E-01	M-3
ENSMMUG00000021227	RAB29	RAB29, Member RAS Oncogene Family	18.23	4.80	2.71	0.52	-2.55	4.29E-02	-2.97	2.23E-02	-0.45	9.05E-01	M-3
ENSMMUG00000038730	RGS2	Regulator Of G Protein Signaling 2	479.52	85.56	20.00	9.03	-2.71	6.79E-06	-2.51	3.68E-05	-0.21	9.12E-01	M-3
ENSMMUG0000008992	NPL	N-acetylneuramate Pyruvate Lyase	20.06	3.79	0.48	0.94	-3.56	3.05E-05	-2.17	1.95E-02	0.72	7.27E-01	M-3
ENSMMUG00000014498	CACNA1E	Calcium Voltage-gated Channel Subunit Alpha1 E	15.29	4.14	0.70	0.28	-3.27	4.00E-04	-3.23	5.05E-04	-0.52	8.28E-01	M-3
ENSMMUG00000019727	FMO2	Flavin Containing Monooxygenase 2	11.95	1.58	2.05	0.03	-4.01	4.43E-04	-3.58	5.96E-03	-1.41	6.05E-01	M-3
ENSMMUG00000015132	LGALS8	Galectin 8	90.01	20.45	5.07	2.55	-1.89	9.63E-03	-2.54	2.67E-04	-0.87	5.08E-01	M-3
ENSMMUG00000017872	RIOX2	Ribosomal Oxygenase 2	40.55	12.13	3.85	3.13	-1.94	3.98E-04	-1.90	5.40E-04	0.27	8.53E-01	M-3
ENSMMUG00000019978	HHLA2	HERV-H LTR-associating 2	7.73	1.29	0.28	0.19	-2.53	4.63E-03	-2.70	2.97E-03	-0.14	9.68E-01	M-3
ENSMMUG00000018446	FGD5	FYVE, RhoGEF And PH Domain Containing 5	4.77	0.46	0.05	0.07	-3.71	3.51E-03	-4.09	2.02E-03	1.32	6.19E-01	M-3
ENSMMUG0000008549	CNTN6	Contactin 6	4.99	0.60	0.36	0.03	-4.19	1.28E-03	-3.49	1.51E-02	-1.37	6.36E-01	M-3
ENSMMUG00000019262	CACNA1D	Calcium Voltage-gated Channel Subunit Alpha1 D	3.03	0.85	0.12	0.07	-3.13	8.98E-03	-3.79	1.56E-03	1.20	6.31E-01	M-3
ENSMMUG00000010514	SLC6A20	Solute Carrier Family 6 Member 20	2.62	0.99	0.10	0.33	-2.30	4.15E-02	-3.33	2.32E-03	1.80	2.97E-01	M-3
ENSMMUG00000006816	TRANK1	Tetratricopeptide Repeat And Ankyrin Repeat Containing 1	2.23	0.45	0.05	0.09	-2.79	1.75E-02	-4.79	5.87E-05	1.00	6.96E-01	M-3
ENSMMUG00000011577	PLOD2	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	6.16	1.55	0.32	0.17	-2.43	2.13E-02	-2.37	2.70E-02	-1.97	2.24E-01	M-3
ENSMMUG0000008919	RAB6B	RAB6B, Member RAS Oncogene Family	25.85	15.67	0.35	0.36	-3.29	1.22E-02	-3.18	1.95E-02	-1.50	5.57E-01	M-3
ENSMMUG00000020377	COL6A5	Collagen Type VI Alpha 5 Chain	3.66	0.87	0.08	0.04	-3.13	6.69E-03	-3.27	5.70E-03	-1.77	3.81E-01	M-3
ENSMMUG00000009667	ZNF385D	Zinc Finger Protein 385D	25.37	6.23	9.33	0.35	-2.38	1.92E-02	-2.79	4.78E-03	-0.82	7.06E-01	M-3
ENSMMUG00000011029			#####	309.48	52.67	10.55	-1.77	3.44E-02	-3.82	4.69E-07	-0.95	5.19E-01	M-3
ENSMMUG00000029983			885.21	232.61	33.57	5.47	-1.74	4.80E-02	-4.49	1.06E-08	-0.73	6.80E-01	M-3
ENSMMUG00000032303	SLBP	Stem-loop Binding Protein	359.38	120.09	68.26	29.44	-1.56	8.14E-03	-1.80	1.67E-03	-0.14	9.45E-01	M-3
ENSMMUG00000018067	FAM184B	Family With Sequence Similarity 184 Member B	10.02	3.42	0.36	1.06	-2.03	3.98E-02	-3.49	1.74E-04	1.89	1.79E-01	M-3
ENSMMUG00000013071	UCHL1	Ubiquitin C-terminal Hydrolase L1	42.40	3.80	0.90	0.28	-3.53	5.32E-07	-3.40	3.48E-06	-0.83	5.82E-01	M-3
ENSMMUG00000046028			15.68	7.12	1.58	2.17	-1.49	2.89E-02	-2.55	5.67E-05	0.18	9.31E-01	M-3
ENSMMUG00000014080	KLHL8	Kelch Like Family Member 8	22.99	6.12	2.01	1.38	-2.43	7.25E-04	-1.55	4.15E-02	0.36	8.53E-01	M-3
ENSMMUG00000006702	BMPR1B	Bone Morphogenetic Protein Receptor Type 1B	7.54	3.90	0.04	0.14	-3.18	2.68E-02	-5.15	5.45E-04	0.16	9.77E-01	M-3
ENSMMUG00000002211	DCLK2	Doublecortin Like Kinase 2	126.34	52.81	7.32	0.54	-1.84	4.45E-02	-4.38	1.11E-07	-1.48	2.86E-01	M-3
ENSMMUG00000015332	TMPRSS2	Transmembrane Protease, Serine 2	19.51	2.64	0.43	0.74	-3.41	2.22E-03	-3.84	5.79E-04	0.47	8.81E-01	M-3
ENSMMUG00000010296	ERG	ERG, ETS Transcription Factor	2.65	1.17	0.04	0.03	-4.06	1.01E-02	-6.43	8.45E-05	2.29	4.35E-01	M-3
ENSMMUG0000003024	MAP3K7CL	MAP3K7 C-terminal Like	48.88	12.55	2.50	0.41	-2.28	2.28E-02	-3.85	4.05E-05	-0.48	8.52E-01	M-3
ENSMMUG00000008723	JAM2	Junctional Adhesion Molecule 2	29.10	11.06	1.08	0.10	-2.59	1.32E-02	-4.18	9.42E-05	-1.50	5.12E-01	M-3

ENSMMUG0000006460	GNA12	G Protein Subunit Alpha 12	52.87	13.16	5.51	2.39	-1.87	2.09E-02	-1.77	2.82E-02	-1.39	2.49E-01	M-3
ENSMMUG00000014753	FAM220A	Family With Sequence Similarity 220 Member A	253.31	138.73	56.60	21.05	-1.88	3.12E-02	-2.22	8.23E-03	0.90	5.79E-01	M-3
ENSMMUG00000030422	LOC100424218	Radial Spoke Head 10 Homolog B-like	8.64	3.17	0.74	0.70	-3.72	2.86E-03	-2.60	4.62E-02	0.20	9.66E-01	M-3
ENSMMUG00000041560			23.05	1.24	1.15	0.07	-3.85	2.72E-05	-4.28	3.33E-05	-1.27	5.09E-01	M-3
ENSMMUG00000010702	EEPD1	Endonuclease/exonuclease/ phosphatase Family Domain Containing 1	3.33	0.52	0.29	0.19	-3.32	9.53E-03	-3.36	1.26E-02	0.59	8.64E-01	M-3
ENSMMUG00000020787	PRR15	Proline Rich 15	77.80	29.28	3.65	0.38	-1.99	4.14E-02	-4.27	1.61E-06	-1.16	5.05E-01	M-3
ENSMMUG00000004839	IGF2BP3	Insulin Like Growth Factor 2 MRNA Binding Protein 3	363.51	124.63	11.98	18.90	-1.56	3.07E-02	-3.99	7.65E-10	1.63	8.44E-02	M-3
ENSMMUG00000045449			36.20	9.13	1.83	0.59	-2.07	1.13E-03	-2.33	2.08E-04	-1.54	8.89E-02	M-3
ENSMMUG00000040123	COL28A1	Collagen Type XXVIII Alpha 1 Chain	3.03	0.28	0.39	0.11	-3.25	4.95E-02	-3.44	4.22E-02	0.92	8.20E-01	M-3
ENSMMUG00000021730	SEMA3D	Semaphorin 3D	1.43	0.19	0.12	0.02	-3.70	1.09E-02	-4.36	5.40E-03	-0.16	9.77E-01	M-3
ENSMMUG00000042946	CD36	CD36 Molecule	25.24	11.73	3.41	1.91	-2.89	5.95E-03	-2.77	7.99E-03	1.35	4.70E-01	M-3
ENSMMUG00000012432	LRRC17	Leucine Rich Repeat Containing 17	12.25	2.50	2.97	1.08	-3.07	3.80E-02	-4.08	4.59E-03	2.71	2.09E-01	M-3
ENSMMUG00000046261	UBE2H	Ubiquitin Conjugating Enzyme E2 H	65.62	12.82	10.29	5.13	-2.19	6.52E-03	-1.94	1.64E-02	-0.07	9.81E-01	M-3
ENSMMUG00000021676	SVOPL	SVOPL Like	20.89	4.58	1.11	0.40	-2.86	7.21E-03	-3.13	3.14E-03	-0.11	9.78E-01	M-3
ENSMMUG00000045279	PRSS1	Protease, Serine, 1 (trypsin 1)	15.69	2.17	0.75	0.05	-3.08	2.86E-02	-4.63	1.36E-03	-0.31	9.56E-01	M-3
ENSMMUG00000016219	TRPV6	Transient Receptor Potential Cation Channel Subfamily V Member 6	4.29	1.60	0.40	0.78	-2.55	4.80E-02	-2.95	2.44E-02	1.53	4.97E-01	M-3
ENSMMUG00000038754			15.31	4.27	2.97	0.10	-2.55	1.95E-02	-3.40	1.64E-03	-2.77	7.02E-02	M-3
ENSMMUG00000037502			7.41	3.71	0.02	0.07	-4.90	5.07E-04	-3.78	3.42E-02	-1.23	7.59E-01	M-3
ENSMMUG00000013954	PDZD2	PDZ Domain Containing 2	23.28	14.15	1.70	1.22	-1.48	4.21E-02	-2.29	7.08E-04	-0.96	4.21E-01	M-3
ENSMMUG00000018004	PLCXD3	Phosphatidylinositol Specific Phospholipase CX Domain Containing 3	2.27	0.41	0.07	0.16	-5.10	1.39E-02	-4.69	3.19E-02	4.36	1.55E-01	M-3
ENSMMUG00000014647	GPBP1	GC-rich Promoter Binding Protein 1	135.71	64.79	40.08	17.91	-1.08	1.52E-02	-0.99	2.49E-02	-0.88	1.64E-01	M-3
ENSMMUG00000005357	MAST4	Microtubule Associated Serine/threonine Kinase Family Member 4	3.21	1.00	0.22	0.71	-3.04	6.90E-03	-2.38	4.20E-02	0.62	8.21E-01	M-3
ENSMMUG00000003143	THBS4	Thrombospondin 4	69.21	15.16	0.73	0.47	-1.79	2.30E-02	-4.78	3.10E-11	-0.62	7.21E-01	M-3
ENSMMUG00000011513	VCAN	Versican	48.71	17.20	0.33	0.33	-2.69	2.84E-02	-5.41	1.50E-06	0.22	9.60E-01	M-3
ENSMMUG00000000332	TGFBI	Transforming Growth Factor Beta Induced	4.24	0.77	0.09	0.08	-3.00	4.57E-03	-3.57	1.05E-03	-0.45	8.85E-01	M-3
ENSMMUG00000000342	TRPC7	Transient Receptor Potential Cation Channel Subfamily C Member 7	16.38	3.37	0.42	0.07	-2.14	4.89E-02	-4.90	2.34E-06	-0.83	7.43E-01	M-3
ENSMMUG00000000456	REEP2	Receptor Accessory Protein 2	9.55	1.86	0.17	0.08	-3.55	9.89E-05	-2.88	3.86E-03	-1.74	2.92E-01	M-3
ENSMMUG00000001939	SIL1	SIL1 Nucleotide Exchange Factor	13.97	1.86	0.57	0.88	-3.07	6.85E-03	-3.22	5.69E-03	1.84	3.29E-01	M-3
ENSMMUG00000009768	RNF14	Ring Finger Protein 14	30.25	9.90	5.09	6.94	-1.55	4.56E-02	-1.97	7.52E-03	1.09	3.73E-01	M-3
ENSMMUG00000013588	PRELID2	PRELI Domain Containing 2	16.92	3.06	0.16	0.32	-3.62	6.53E-03	-4.46	1.41E-03	1.13	7.06E-01	M-3
ENSMMUG00000019291	DPYSL3	Dihydropyrimidinase Like 3	7.36	2.03	0.33	2.32	-2.63	4.40E-02	-3.18	1.25E-02	2.74	1.19E-01	M-3
ENSMMUG00000022868	CCDC69	Coiled-coil Domain Containing 69	24.93	5.03	0.77	0.72	-3.36	2.16E-03	-3.18	4.58E-03	-0.49	8.71E-01	M-3
ENSMMUG00000003497	FAT2	FAT Atypical Cadherin 2	2.73	0.17	0.06	0.05	-4.42	7.11E-05	-3.09	1.16E-02	1.30	5.69E-01	M-3
ENSMMUG00000010997	CYFIP2	Cytoplasmic FMR1 Interacting Protein 2	5.75	1.63	0.44	0.07	-2.22	1.22E-02	-3.43	5.19E-05	-0.83	6.49E-01	M-3
ENSMMUG00000023077	PTTG1	Pituitary Tumor-transforming 1	#####	783.59	220.15	74.65	-1.34	2.65E-02	-2.56	3.39E-06	-0.45	7.30E-01	M-3
ENSMMUG00000009365	SPDL1	Spindle Apparatus Coiled-coil Protein 1	144.47	64.39	30.00	12.73	-1.14	1.46E-02	-1.70	9.92E-05	-0.41	6.68E-01	M-3
ENSMMUG00000041134			9.30	2.81	0.11	0.12	-3.10	4.82E-02	-5.11	1.57E-03	-0.58	9.07E-01	M-3

ENSMMUG00000000142	EIF4E1B	Eukaryotic Translation Initiation Factor 4E Family Member 1B	159.69	35.43	6.55	3.95	-2.65	4.31E-03	-3.46	1.16E-04	0.50	8.33E-01	M-3
ENSMMUG00000002649	UNC5A	Unc-5 Netrin Receptor A	54.38	26.67	0.87	0.39	-1.84	4.28E-02	-4.13	5.64E-07	-1.98	1.09E-01	M-3
ENSMMUG000000041519	ZNF354A	Zinc Finger Protein 354A	26.27	7.83	7.96	3.07	-2.02	1.25E-03	-1.48	2.19E-02	0.79	4.88E-01	M-3
ENSMMUG000000018514	DUSP22	Dual Specificity Phosphatase 22	6.47	1.48	0.22	0.30	-2.36	4.58E-02	-2.46	4.34E-02	1.34	5.69E-01	M-3
ENSMMUG000000020646	PRL	Prolactin	1.47	0.19	0.06	0.03	-4.13	9.35E-04	-3.01	4.84E-02	0.51	9.01E-01	M-3
ENSMMUG000000019252	TDRD6	Tudor Domain Containing 6	19.15	8.01	2.51	2.03	-1.71	2.43E-02	-1.75	1.90E-02	0.21	9.27E-01	M-3
ENSMMUG000000037745			108.95	28.92	2.68	3.12	-2.74	1.37E-02	-3.55	1.54E-03	-0.28	9.41E-01	M-3
ENSMMUG000000011858	BMP5	Bone Morphogenetic Protein 5	8.46	1.70	0.39	0.03	-2.87	4.45E-02	-4.93	8.72E-04	-0.52	9.14E-01	M-3
ENSMMUG000000012580	DOPEY1	Dopey Family Member 1	62.45	16.11	1.86	2.40	-1.88	2.13E-03	-3.12	9.17E-08	0.08	9.73E-01	M-3
ENSMMUG000000009736	BACH2	BTB Domain And CNC Homolog 2	3.89	0.58	0.31	0.01	-2.97	1.34E-02	-3.10	1.05E-02	-3.07	6.81E-02	M-3
ENSMMUG000000005929	USP45	Ubiquitin Specific Peptidase 45	20.58	6.46	2.56	1.01	-1.99	2.32E-03	-1.43	3.48E-02	-1.56	8.44E-02	M-3
ENSMMUG000000008120	CRYBG1	Crystallin Beta-gamma Domain Containing 1	2.42	1.11	0.43	0.32	-3.45	9.30E-04	-4.36	8.43E-05	0.56	8.41E-01	M-3
ENSMMUG000000021936	FBXO30	F-box Protein 30	62.27	24.34	8.81	7.60	-2.03	1.69E-03	-2.01	1.79E-03	-0.05	9.84E-01	M-3
ENSMMUG000000044958	ADGRG6	Adhesion G Protein-coupled Receptor G6	8.50	2.50	0.74	0.14	-2.36	1.13E-02	-1.96	3.90E-02	-1.88	1.66E-01	M-3
ENSMMUG000000022136	LAMA2	Laminin Subunit Alpha 2	2.88	0.66	0.58	0.07	-2.99	4.98E-03	-3.83	3.90E-04	0.21	9.58E-01	M-3
ENSMMUG000000008526	ASF1A	Anti-silencing Function 1A Histone Chaperone	618.45	214.69	58.34	19.45	-1.67	1.69E-02	-2.63	5.60E-05	-0.34	8.44E-01	M-3
ENSMMUG000000012582	WISP3	WNT1 Inducible Signaling Pathway Protein 3	6.01	2.84	0.11	0.12	-3.34	4.74E-02	-5.89	9.55E-04	0.92	8.42E-01	M-3
ENSMMUG000000014294	PATL2	PAT1 Homolog 2	94.31	22.62	3.06	0.45	-2.19	1.89E-02	-5.05	3.87E-09	-0.38	8.81E-01	M-3
ENSMMUG000000020694	RAB27A	RAB27A, Member RAS Oncogene Family	8.87	0.85	0.29	0.25	-4.44	5.06E-06	-2.94	6.10E-03	1.06	6.18E-01	M-3
ENSMMUG000000043132			38.85	5.86	1.77	0.79	-1.98	1.89E-02	-2.07	1.46E-02	-0.03	9.93E-01	M-3
ENSMMUG000000009160	UBE2Q2	Ubiquitin Conjugating Enzyme E2 Q2	138.44	45.71	14.55	6.86	-1.80	2.59E-02	-2.42	1.57E-03	0.07	9.80E-01	M-3
ENSMMUG000000011328	CPEB1	Cytoplasmic Polyadenylation Element Binding Protein 1	26.97	2.42	2.80	0.31	-3.34	4.21E-06	-3.77	3.89E-07	-0.80	6.09E-01	M-3
ENSMMUG000000043910			15.05	4.35	1.99	0.94	-1.93	5.89E-03	-1.59	3.10E-02	-0.49	7.74E-01	M-3
ENSMMUG000000016250	TTC5	Tetratricopeptide Repeat Domain 5	14.60	2.92	0.45	0.56	-2.36	2.90E-02	-3.70	2.57E-04	1.65	3.31E-01	M-3
ENSMMUG000000014839	NPAS3	Neuronal PAS Domain Protein 3	4.43	0.86	0.46	0.07	-3.24	1.87E-02	-3.09	3.28E-02	-0.86	8.02E-01	M-3
ENSMMUG000000010315	SAMD4A	Sterile Alpha Motif Domain Containing 4A	20.20	4.20	0.64	0.10	-2.40	5.29E-04	-3.76	4.38E-08	-1.53	1.64E-01	M-3
ENSMMUG000000004084	GCH1	GTP Cyclohydrolase 1	50.27	12.68	3.31	3.34	-2.11	1.45E-02	-1.77	4.49E-02	-0.02	9.96E-01	M-3
ENSMMUG000000042895	SYT16	Synaptotagmin 16	1.81	0.11	0.01	0.03	-4.05	4.18E-04	-3.96	3.41E-03	1.66	5.28E-01	M-3
ENSMMUG000000015869	RDH12	Retinol Dehydrogenase 12 (all-trans/9-cis/11-cis)	64.55	18.68	0.87	0.58	-2.08	1.50E-02	-4.29	8.80E-08	-0.45	8.37E-01	M-3
ENSMMUG000000020196	NUMB	NUMB, Endocytic Adaptor Protein	92.44	40.01	15.29	13.37	-1.42	4.49E-02	-1.58	2.06E-02	0.46	7.71E-01	M-3
ENSMMUG000000020664	FLRT2	Fibronectin Leucine Rich Transmembrane Protein 2	23.39	7.69	1.33	0.50	-1.93	2.71E-02	-4.29	8.62E-08	-0.10	9.74E-01	M-3
ENSMMUG000000013768	ARHGEF6	Rac/Cdc42 Guanine Nucleotide Exchange Factor 6	4.84	0.66	0.08	0.07	-2.43	3.42E-02	-2.87	1.52E-02	-0.19	9.65E-01	M-3
ENSMMUG000000046587			7.80	3.09	0.07	0.13	-4.47	1.36E-02	-3.81	4.94E-02	-1.59	7.01E-01	M-3
ENSMMUG000000002034			455.71	87.66	11.42	1.54	-2.74	1.54E-04	-4.28	2.60E-09	-1.69	1.29E-01	M-3
ENSMMUG000000002811	SNTG1	Syntrophin Gamma 1	12.23	1.28	0.04	0.10	-3.29	1.33E-02	-7.81	1.38E-07	3.32	1.29E-01	M-3
ENSMMUG000000015236	MOS	MOS Proto-oncogene, Serine/threonine Kinase	40.85	4.98	0.49	0.11	-3.30	1.82E-03	-4.07	1.65E-04	-0.99	7.03E-01	M-3
ENSMMUG000000045546	PLAG1	PLAG1 Zinc Finger	19.28	5.41	2.10	1.71	-2.12	1.40E-02	-1.83	3.59E-02	0.50	8.10E-01	M-3
ENSMMUG000000013974	MYBL1	MYB Proto-oncogene Like 1	11.37	2.95	0.59	1.50	-2.19	2.60E-02	-2.29	1.86E-02	1.07	5.54E-01	M-3
ENSMMUG000000020010	CDH17	Cadherin 17	7.39	0.63	0.74	0.26	-3.47	6.34E-03	-2.81	3.33E-02	-0.40	9.17E-01	M-3
ENSMMUG000000021112	ESRP1	Epithelial Splicing Regulatory Protein 1	326.79	162.10	86.35	48.78	-1.11	9.93E-03	-0.99	2.19E-02	-0.56	4.50E-01	M-3

ENSMMUG00000014183	PLEKHF2	Pleckstrin Homology And FYVE Domain Containing 2	58.92	13.67	21.91	9.37	-2.06	6.69E-03	-1.91	1.18E-02	-0.12	9.67E-01	M-3
ENSMMUG00000020996	NCALD	Neurocalcin Delta	9.17	1.97	0.71	0.07	-3.29	5.19E-03	-3.19	7.92E-03	-1.71	4.32E-01	M-3
ENSMMUG00000001087			9.85	4.26	1.13	0.62	-2.21	1.90E-02	-2.37	1.23E-02	0.70	7.44E-01	M-3
ENSMMUG00000015297	CD69	CD69 Molecule	5.05	0.52	0.03	0.03	-4.58	4.51E-03	-4.07	2.26E-02	1.96	5.55E-01	M-3
ENSMMUG00000014778	SLC16A7	Solute Carrier Family 16 Member 7	1.79	0.22	0.08	0.02	-3.42	3.84E-02	-3.89	2.49E-02	-1.41	6.99E-01	M-3
ENSMMUG00000011579	FAM19A2	Family With Sequence Similarity 19 Member A2, C-C Motif Chemokine Like	25.44	8.01	1.54	0.26	-2.56	3.50E-02	-3.81	8.85E-04	-0.68	8.14E-01	M-3
ENSMMUG00000018237	PLXNC1	Plexin C1	17.44	4.23	1.16	0.55	-1.85	1.83E-02	-3.38	3.71E-06	0.85	5.60E-01	M-3
ENSMMUG00000049210			10.30	1.29	0.39	0.10	-2.85	6.16E-03	-2.66	1.29E-02	-1.79	2.93E-01	M-3
ENSMMUG00000021808	CRY1	Cryptochrome Circadian Regulator 1	31.77	7.52	5.05	2.06	-2.14	2.77E-02	-2.28	1.63E-02	0.77	7.01E-01	M-3
ENSMMUG00000042728	MYO1H	Myosin IH	8.55	2.37	0.47	0.21	-2.90	1.26E-03	-2.41	1.09E-02	-1.70	2.51E-01	M-3
ENSMMUG00000005629	PIWIL1	Piwi Like RNA-mediated Gene Silencing 1	58.82	7.89	7.52	0.49	-3.74	1.60E-04	-3.04	2.81E-03	-0.53	8.40E-01	M-3
ENSMMUG00000019891	LOC722485	Prostaglandin F Synthase 1-like	51.10	20.92	1.02	0.21	-3.10	5.95E-04	-4.17	8.03E-06	-1.56	3.40E-01	M-3
ENSMMUG00000017442	TUBAL3	Tubulin Alpha Like 3	39.55	4.26	0.15	0.14	-4.38	2.65E-05	-4.77	8.31E-05	-0.32	9.34E-01	M-3
ENSMMUG00000048865			3.26	1.72	0.18	0.05	-1.83	4.89E-02	-4.03	2.58E-06	-1.24	4.35E-01	M-3
ENSMMUG00000000242	PPP1R3C	Protein Phosphatase 1 Regulatory Subunit 3C	15.32	4.18	0.83	0.42	-3.05	1.07E-02	-4.27	2.00E-04	0.91	7.33E-01	M-3
ENSMMUG00000011789	HHEX	Hematopoietically Expressed Homeobox	144.55	18.26	7.02	2.25	-3.79	2.69E-04	-2.52	2.08E-02	-0.18	9.64E-01	M-3
ENSMMUG00000016689	CCNJ	Cyclin J	181.99	50.93	26.41	9.22	-1.94	3.18E-03	-1.84	4.95E-03	-0.44	7.80E-01	M-3
ENSMMUG000000003610	SORCS3	Sortilin Related VPS10 Domain Containing Receptor 3	3.01	0.90	0.29	0.06	-2.70	1.29E-02	-2.51	2.56E-02	-2.61	8.45E-02	M-3
ENSMMUG00000009661	ADAM12	ADAM Metallopeptidase Domain 12	6.18	0.94	0.12	0.02	-3.52	3.23E-03	-4.00	1.88E-03	-1.74	4.80E-01	M-3
ENSMMUG00000011976	DHCR7	7-dehydrocholesterol Reductase	28.30	13.28	1.77	4.12	-2.20	2.70E-02	-2.19	2.56E-02	-0.26	9.31E-01	M-3
ENSMMUG00000015018	CD5	CD5 Molecule	5.40	3.51	0.03	0.05	-3.96	7.34E-03	-4.39	7.45E-03	-1.67	6.32E-01	M-3
ENSMMUG00000000022	ZP1	Zona Pellucida Glycoprotein 1	38.44	12.85	0.34	0.14	-3.47	2.97E-04	-3.29	1.20E-03	-2.73	5.07E-02	M-3
ENSMMUG00000042410			#####	754.02	200.18	10.22	-2.17	1.27E-02	-3.12	1.39E-04	-1.62	2.02E-01	M-3
ENSMMUG00000010273	FAM111B	Family With Sequence Similarity 111 Member B	11.81	2.25	0.36	0.28	-2.67	2.60E-02	-3.70	1.37E-03	-0.04	9.93E-01	M-3
ENSMMUG00000042331	LOC701437	Glycine N-acyltransferase-like Protein 1	16.10	2.64	0.28	0.28	-2.58	2.40E-03	-4.64	2.65E-08	0.85	6.37E-01	M-3
ENSMMUG00000010982	RTN4RL2	Reticulon 4 Receptor Like 2	6.16	0.70	0.11	0.34	-3.72	2.10E-03	-3.08	2.27E-02	1.29	6.19E-01	M-3
ENSMMUG00000017814	PRG3	Proteoglycan 3, Pro Eosinophil Major Basic Protein 2	29.24	3.30	1.41	0.31	-3.67	8.41E-03	-4.10	4.32E-03	-0.06	9.92E-01	M-3
ENSMMUG00000004332	TRIM44	Tripartite Motif Containing 44	63.45	20.69	6.63	2.43	-2.15	1.31E-02	-2.38	4.81E-03	-0.85	6.15E-01	M-3
ENSMMUG00000014614	LDHAL6A	Lactate Dehydrogenase A Like 6A	126.04	35.67	15.55	1.08	-2.71	5.45E-03	-2.82	3.24E-03	-1.15	5.19E-01	M-3
ENSMMUG00000015785	AMPD3	Adenosine Monophosphate Deaminase 3	17.57	11.01	0.98	0.16	-3.36	3.56E-03	-3.12	8.17E-03	-1.89	3.25E-01	M-3
ENSMMUG00000008585	NLRP14	NLR Family Pyrin Domain Containing 14	160.58	50.52	3.44	0.71	-2.69	1.16E-03	-3.98	6.12E-07	-1.99	8.45E-02	M-3
ENSMMUG00000007999	CCDC82	Coiled-coil Domain Containing 82	24.55	5.42	2.49	2.26	-2.34	7.02E-03	-2.13	1.45E-02	1.12	4.65E-01	M-3
ENSMMUG00000019419	PIH1D2	PIH1 Domain Containing 2	9.18	3.71	1.76	0.44	-2.23	2.30E-02	-3.26	5.98E-04	-1.27	4.54E-01	M-3
ENSMMUG00000022347	GRIK4	Glutamate Ionotropic Receptor Kainate Type Subunit 4	9.43	2.55	1.43	0.07	-2.62	3.20E-02	-4.26	1.89E-04	-0.38	9.15E-01	M-3
ENSMMUG000000039895			13.36	1.99	1.09	1.73	-2.90	5.86E-04	-2.16	1.33E-02	1.42	2.97E-01	M-3
ENSMMUG00000023092			48.06	19.08	1.57	0.72	-2.04	1.25E-02	-3.27	2.90E-05	-1.64	1.83E-01	M-3
ENSMMUG00000000300	ITGA4	Integrin Subunit Alpha 4	16.14	1.55	0.48	0.12	-3.65	1.55E-04	-3.06	2.62E-03	-0.48	8.62E-01	M-3
ENSMMUG00000008334	GPR1	G Protein-coupled Receptor 1	36.78	7.54	2.08	0.99	-2.47	2.45E-02	-2.89	6.92E-03	-1.61	3.78E-01	M-3

ENSMMUG00000014813	ABCA12	ATP Binding Cassette Subfamily A Member 12	2.42	1.83	0.16	0.21	-3.55	7.41E-03	-3.78	6.83E-03	-0.21	9.67E-01	M-3
ENSMMUG00000013400	CXCR2	C-X-C Motif Chemokine Receptor 2	7.82	3.57	0.13	0.03	-3.45	4.89E-03	-3.43	7.34E-03	-3.20	7.85E-02	M-3
ENSMMUG00000017926			2.98	1.26	1.52	0.12	-5.65	2.69E-02	-6.55	1.21E-02	6.31	6.76E-02	M-3
ENSMMUG00000006159	WDFY1	WD Repeat And FYVE Domain Containing 1	38.78	14.33	2.81	4.25	-1.82	4.51E-02	-2.93	6.03E-04	0.55	7.97E-01	M-3
ENSMMUG00000012546			225.90	46.71	9.35	1.65	-2.09	4.95E-03	-3.59	3.23E-07	-1.06	4.06E-01	M-3
ENSMMUG00000003797	USP20	Ubiquitin Specific Peptidase 20	5.97	2.34	0.47	1.25	-2.28	8.10E-03	-2.25	9.23E-03	-0.01	9.99E-01	M-3
ENSMMUG00000047960	SVEP1	Sushi, Von Willebrand Factor Type A, EGF And Pentraxin Domain Containing 1	3.18	1.38	0.16	0.12	-1.99	4.89E-02	-2.91	2.38E-03	-0.84	6.87E-01	M-3
ENSMMUG00000015093	VLDLR	Very Low Density Lipoprotein Receptor	36.94	7.74	2.91	0.90	-2.55	2.04E-03	-3.54	1.00E-05	-2.11	6.10E-02	M-3
ENSMMUG00000002357	TMEM2	Transmembrane Protein 2	38.93	11.22	4.10	5.08	-1.82	4.52E-02	-2.92	4.86E-04	2.05	8.10E-02	M-3
ENSMMUG00000044996			138.54	27.36	6.92	0.46	-3.11	1.95E-02	-3.03	2.38E-02	-1.54	5.42E-01	M-3
ENSMMUG00000018045	IAH1	Isoamyl Acetate Hydrolyzing Esterase 1 (putative)	355.47	68.06	13.53	12.52	-2.40	3.49E-04	-3.61	2.66E-08	0.96	4.19E-01	M-3
ENSMMUG00000012340	WDCP	WD Repeat And Coiled Coil Containing	32.64	10.31	2.48	1.54	-1.61	1.31E-02	-1.66	9.43E-03	-0.51	7.17E-01	M-3
ENSMMUG00000019732	MAPRE3	Microtubule Associated Protein RP/EB Family Member 3	11.33	4.55	1.82	0.58	-2.74	1.73E-02	-2.42	4.56E-02	-0.30	9.37E-01	M-3
ENSMMUG00000030890			2.02	0.33	0.01	0.02	-3.11	4.63E-02	-4.94	3.24E-03	0.18	9.76E-01	M-3
ENSMMUG00000008352	PLB1	Phospholipase B1	5.19	1.34	0.14	0.13	-2.56	2.78E-02	-3.20	5.40E-03	-0.30	9.39E-01	M-3
ENSMMUG00000004324	TOGARAM2	TOG Array Regulator Of Axonemal Microtubules 2	8.63	0.83	0.07	0.02	-3.31	1.65E-03	-2.85	1.39E-02	-2.82	1.29E-01	M-3
ENSMMUG00000010226	MXD1	MAX Dimerization Protein 1	138.44	30.56	19.98	1.53	-2.30	4.13E-03	-3.03	8.07E-05	-0.95	5.19E-01	M-3
ENSMMUG00000006330	PAIP2B	Poly(A) Binding Protein Interacting Protein 2B	31.92	5.71	2.28	1.19	-2.72	4.86E-04	-2.34	3.62E-03	0.44	8.30E-01	M-3
ENSMMUG00000007176	DYSF	Dysferlin	1.84	0.65	0.43	0.34	-3.42	4.70E-02	-3.99	2.21E-02	-1.19	7.57E-01	M-3
ENSMMUG00000009871	NPAS2	Neuronal PAS Domain Protein 2	15.36	2.60	1.13	0.06	-3.04	1.31E-02	-2.92	2.04E-02	-2.05	3.18E-01	M-3
ENSMMUG00000009912	FGF9	Fibroblast Growth Factor 9	5.34	0.38	0.42	0.03	-3.95	2.30E-02	-5.27	6.46E-03	-0.01	9.99E-01	M-3
ENSMMUG00000009030	MTIF3	Mitochondrial Translational Initiation Factor 3	303.58	72.19	25.84	26.92	-2.38	8.30E-05	-1.47	2.17E-02	0.40	7.94E-01	M-3
ENSMMUG00000038997	ZAR1L	Zygotarrest 1 Like	34.42	1.70	0.86	0.19	-4.74	9.00E-10	-2.36	6.63E-03	-1.16	4.68E-01	M-3
ENSMMUG00000038911			11.98	7.18	0.65	0.05	-3.35	3.08E-03	-3.45	8.18E-03	-2.87	1.16E-01	M-3
ENSMMUG00000002113	NHLRC3	NHL Repeat Containing 3	42.95	12.70	3.55	2.74	-1.89	2.15E-02	-2.78	3.48E-04	0.58	7.53E-01	M-3
ENSMMUG00000017688	RCBTB2	RCC1 And BTB Domain Containing Protein 2	5.47	0.70	0.15	0.17	-3.29	2.47E-03	-2.72	1.67E-02	1.51	4.50E-01	M-3
ENSMMUG00000002875	FGF14	Fibroblast Growth Factor 14	37.33	8.84	2.58	0.24	-3.39	3.29E-03	-3.58	1.97E-03	-0.70	8.12E-01	M-3
ENSMMUG00000016292	PHACTR3	Phosphatase And Actin Regulator 3	52.42	17.37	1.63	0.28	-2.01	3.92E-02	-3.61	7.20E-05	-2.35	7.67E-02	M-3
ENSMMUG00000000070	AURKA	Aurora Kinase A	673.81	177.60	85.07	25.42	-1.70	7.39E-03	-1.81	3.71E-03	-0.44	7.61E-01	M-3
ENSMMUG00000007883	RIPOR3	RIPOR Family Member 3	26.18	3.70	0.22	0.08	-2.69	1.59E-03	-4.38	2.36E-07	-1.06	5.41E-01	M-3
ENSMMUG00000012020	NCOA3	Nuclear Receptor Coactivator 3	305.42	127.08	39.81	18.40	-1.54	2.41E-02	-1.95	2.64E-03	-0.57	6.84E-01	M-3
ENSMMUG00000010603	ADA	Adenosine Deaminase	67.44	19.95	3.33	1.86	-2.67	1.92E-03	-2.07	1.91E-02	-0.97	5.54E-01	M-3
ENSMMUG00000001108	PTPRT	Protein Tyrosine Phosphatase, Receptor Type T	2.06	0.78	0.07	0.06	-2.70	3.60E-02	-2.96	2.94E-02	-0.70	8.45E-01	M-3
ENSMMUG00000005904	ZHX3	Zinc Fingers And Homeoboxes 3	33.12	16.28	0.34	0.36	-2.68	8.49E-03	-3.99	5.34E-05	-1.33	4.64E-01	M-3
ENSMMUG00000047879	FAM110A	Family With Sequence Similarity 110 Member A	15.96	4.05	0.39	0.56	-2.56	3.79E-02	-2.95	1.79E-02	-0.88	7.60E-01	M-3
ENSMMUG00000013259	PCNA	Proliferating Cell Nuclear Antigen	210.45	77.87	55.43	30.41	-1.24	1.40E-02	-1.23	1.34E-02	-0.42	6.87E-01	M-3
ENSMMUG00000046199	YPEL1	Yippee Like 1	57.69	22.66	6.49	1.59	-2.07	3.09E-02	-2.56	5.42E-03	-0.14	9.67E-01	M-3

ENSMMUG00000005451	NEFH	Neurofilament Heavy	137.04	83.73	6.83	1.89	-1.48	3.13E-02	-4.85	1.24E-15	-0.73	5.62E-01	M-3
ENSMMUG00000018854			3.86	1.29	0.07	0.05	-2.82	4.40E-02	-3.45	1.55E-02	-2.39	3.66E-01	M-3
ENSMMUG00000014203	PARVG	Parvin Gamma	12.70	5.33	0.15	0.10	-3.10	1.46E-02	-4.19	1.46E-03	-2.62	2.22E-01	M-3
ENSMMUG00000021177	CLEC10A	C-type Lectin Domain Containing 10A	41.92	16.53	1.01	0.13	-2.41	4.82E-02	-4.47	8.03E-05	-0.90	7.51E-01	M-3
ENSMMUG00000022712			94.99	40.62	2.92	3.61	-1.80	2.91E-02	-3.90	4.96E-07	-0.45	8.32E-01	M-3
ENSMMUG00000022740	TOB1	Transducer Of ERBB2, 1	65.36	17.70	19.36	6.47	-1.75	3.79E-02	-1.69	4.28E-02	0.17	9.53E-01	M-3
ENSMMUG00000014755	DHX58	DExH-box Helicase 58	4.99	0.53	0.04	0.07	-3.43	1.02E-02	-4.98	5.45E-04	1.41	6.25E-01	M-3
ENSMMUG00000001329	BRCA1	BRCA1, DNA Repair Associated	31.52	16.07	4.11	7.84	-1.07	1.26E-02	-2.07	1.68E-07	0.74	2.48E-01	M-3
ENSMMUG00000004122	MAPT	Microtubule Associated Protein Tau	5.53	0.77	0.34	0.10	-2.98	1.93E-03	-2.31	2.19E-02	-0.38	8.97E-01	M-3
ENSMMUG00000009692			17.70	5.09	1.23	0.92	-2.22	2.72E-02	-3.45	3.82E-04	0.86	6.93E-01	M-3
ENSMMUG00000048903	AMZ2	Archaelysin Family Metallopeptidase 2	20.05	7.17	1.21	1.12	-2.05	8.72E-04	-2.59	2.11E-05	0.16	9.38E-01	M-3
ENSMMUG00000042240			89.70	14.47	0.63	0.42	-2.86	2.62E-02	-4.96	1.08E-04	-0.41	9.22E-01	M-3
ENSMMUG00000016759	ZP2	Zona Pellucida Glycoprotein 2	692.82	236.57	14.44	2.75	-2.30	2.26E-03	-4.59	8.08E-11	-1.56	1.58E-01	M-3
ENSMMUG00000016876	ITGAL	Integrin Subunit Alpha L	2.26	0.61	0.09	0.03	-2.84	2.41E-02	-2.71	3.42E-02	-1.88	3.77E-01	M-3
ENSMMUG00000008657	AKTIP	AKT Interacting Protein	123.29	24.27	5.52	3.40	-1.87	2.66E-02	-2.99	1.49E-04	-0.98	5.14E-01	M-3
ENSMMUG00000014618	NDRG4	NDRG Family Member 4	9.60	2.35	0.44	0.70	-2.76	8.01E-03	-2.64	1.11E-02	0.85	7.01E-01	M-3
ENSMMUG00000012438	PABPN1L	Poly(A) Binding Protein Nuclear 1 Like, Cytoplasmic	31.02	4.82	1.16	0.10	-3.56	2.64E-03	-3.01	1.65E-02	-1.52	5.58E-01	M-3
ENSMMUG00000017546	EMILIN2	Elastin Microfibril Interfacer 2	231.44	69.63	10.75	1.49	-2.21	1.62E-03	-3.43	2.99E-07	-1.79	5.85E-02	M-3
ENSMMUG00000004328	CCDC178	Coiled-coil Domain Containing 178	36.44	14.44	21.26	9.45	-1.54	1.10E-02	-2.27	7.93E-05	1.25	1.47E-01	M-3
ENSMMUG00000017290	MAPK4	Mitogen-activated Protein Kinase 4	6.77	1.99	0.81	0.04	-2.60	1.79E-02	-4.70	1.43E-05	-1.18	5.90E-01	M-3
ENSMMUG00000016619	LOC701920	Serpin Peptidase Inhibitor, Clade B (ovalbumin), Member 6-like	15.57	3.60	1.79	2.92	-2.28	2.51E-02	-2.68	7.09E-03	2.04	1.59E-01	M-3
ENSMMUG00000010417	CBLN2	Cerebellin 2 Precursor	15.68	4.98	0.53	0.06	-2.26	3.77E-02	-5.06	6.22E-07	-1.82	2.89E-01	M-3
ENSMMUG00000002912	TLE6	Transducin Like Enhancer Of Split 6	18.06	2.35	0.84	0.47	-2.85	2.17E-04	-2.25	5.40E-03	-1.41	2.68E-01	M-3
ENSMMUG00000003555	CACNA1A	Calcium Voltage-gated Channel Subunit Alpha 1 A	19.49	5.59	0.78	0.22	-2.59	1.31E-03	-2.61	1.26E-03	-1.82	1.18E-01	M-3
ENSMMUG00000012277	FCHO1	FCH Domain Only 1	66.25	32.41	1.89	0.34	-2.20	2.68E-02	-4.92	8.30E-08	-1.77	2.36E-01	M-3
ENSMMUG00000012280	B3GNT3	UDP-GlcNAc:betaGal Beta-1,3-N-acetylglucosaminyltransferase 3	29.20	8.11	0.53	0.14	-2.45	1.89E-02	-4.37	1.20E-05	-1.57	3.93E-01	M-3
ENSMMUG00000003622	CNTD2	Cyclin N-terminal Domain Containing 2	13.77	2.94	0.68	0.28	-2.45	3.92E-02	-2.57	2.84E-02	0.08	9.86E-01	M-3
ENSMMUG00000009145	AXL	AXL Receptor Tyrosine Kinase	1.35	0.54	0.00	0.04	-4.38	3.13E-02	-4.56	3.80E-02	4.45	1.44E-01	M-3
ENSMMUG00000044206			6.06	0.41	0.50	0.04	-4.58	8.91E-03	-4.16	3.44E-02	2.68	4.26E-01	M-3
ENSMMUG00000002471			11.32	2.35	0.17	0.21	-3.26	2.93E-02	-3.75	1.76E-02	-0.47	9.25E-01	M-3
ENSMMUG00000009278	C5AR1	Complement C5a Receptor 1	112.06	21.92	2.60	0.36	-2.35	1.63E-02	-5.32	3.70E-09	-0.85	6.74E-01	M-3
ENSMMUG00000028710	NLRP5	NLR Family Pyrin Domain Containing 5	128.38	19.15	2.39	0.78	-3.81	2.08E-07	-2.93	1.11E-04	-1.66	1.44E-01	M-3
ENSMMUG00000041740			26.10	7.84	0.82	0.21	-3.07	9.09E-03	-3.50	3.04E-03	-1.40	5.42E-01	M-3
ENSMMUG00000005921	KIF21B	Kinesin Family Member 21B	6.52	20.95	0.69	0.25	0.71	6.50E-01	-3.50	3.34E-03	-4.14	4.82E-03	M-4
ENSMMUG00000043415			52.76	43.42	11.47	1.99	-0.87	5.36E-01	-2.83	1.49E-02	-3.20	3.53E-02	M-4
ENSMMUG00000020918			20.19	5.45	0.59	0.06	-1.87	1.64E-01	-2.60	4.69E-02	-3.78	3.74E-02	M-4
ENSMMUG00000001074	ULK4	Unc-51 Like Kinase 4	21.66	44.97	9.14	1.90	0.78	2.89E-01	-2.22	3.50E-04	-2.46	7.99E-04	M-4
ENSMMUG00000001107	IGSF10	Immunoglobulin Superfamily Member 10	34.31	18.18	1.65	0.17	-1.55	1.09E-01	-3.09	3.53E-04	-2.61	2.13E-02	M-4
ENSMMUG00000002366	LOC704787	Glutamate Receptor Ionotropic, Delta-2	5.96	6.95	2.45	0.06	-0.67	6.32E-01	-2.84	1.02E-02	-3.71	7.23E-03	M-4
ENSMMUG00000023256	LEF1	Lymphoid Enhancer Binding Factor 1	16.28	32.65	3.92	0.09	0.25	9.05E-01	-4.08	2.37E-03	-4.36	1.08E-02	M-4
ENSMMUG00000022642			157.39	163.37	26.40	1.63	-0.33	8.01E-01	-3.63	2.54E-05	-2.48	3.19E-02	M-4

ENSMMUG00000000915	LOC705702	Leucine-rich Repeat And Guanylate Kinase Domain-containing Protein	33.28	39.88	1.76	0.31	-0.63	5.59E-01	-4.52	2.16E-08	-2.25	4.88E-02	M-4
ENSMMUG00000004598			29.95	18.43	6.04	0.62	-0.46	6.56E-01	-2.78	2.26E-04	-2.52	8.33E-03	M-4
ENSMMUG00000006244	NUB1	Negative Regulator Of Ubiquitin Like Proteins 1	59.80	37.80	19.73	4.48	-0.58	4.19E-01	-1.53	1.13E-02	-1.71	2.52E-02	M-4
ENSMMUG000000047309			2.04	13.69	0.10	0.00	1.08	6.70E-01	-7.57	1.68E-04	-16.46	5.29E-15	M-4
ENSMMUG000000011130	TRIM36	Tripartite Motif Containing 36	56.43	43.19	12.16	0.75	-0.83	3.88E-01	-3.13	5.29E-05	-2.30	2.46E-02	M-4
ENSMMUG000000013648	KCNK16	Potassium Two Pore Domain Channel Subfamily K Member 16	20.47	32.42	2.41	0.10	-0.28	8.73E-01	-5.08	6.06E-06	-3.32	4.13E-02	M-4
ENSMMUG000000015038	UNC13C	Unc-13 Homolog C	3.23	4.80	0.48	0.11	0.11	9.41E-01	-2.88	2.75E-03	-2.85	2.58E-02	M-4
ENSMMUG000000016564	HCN4	Hyperpolarization Activated Cyclic Nucleotide Gated Potassium Channel 4	7.52	9.34	1.88	0.06	-0.61	7.15E-01	-4.35	3.18E-04	-3.46	3.54E-02	M-4
ENSMMUG000000013670	ADAMTSL3	ADAMTS Like 3	12.00	8.45	0.88	0.23	-0.56	6.66E-01	-2.82	3.95E-03	-2.86	2.28E-02	M-4
ENSMMUG000000038729			5.66	1.77	0.07	0.00	-3.17	2.37E-01	-5.15	4.45E-02	-14.91	1.66E-08	M-4
ENSMMUG000000021579	DRP2	Dystrophin Related Protein 2	7.11	8.38	1.13	0.18	-0.09	9.48E-01	-1.95	2.41E-02	-2.98	3.24E-03	M-4
ENSMMUG000000029010	RNF122	Ring Finger Protein 122	156.74	106.47	17.76	1.13	-0.64	5.73E-01	-4.08	2.10E-06	-2.74	1.76E-02	M-4
ENSMMUG000000010745	RSP02	R-spondin 2	35.60	17.28	3.63	0.26	-1.49	1.55E-01	-2.93	1.67E-03	-3.07	8.21E-03	M-4
ENSMMUG000000047483			2.19	1.70	0.07	0.00	-4.40	2.33E-01	-15.25	1.82E-06	-11.69	3.74E-03	M-4
ENSMMUG000000004172	TULP3	Tubby Like Protein 3	22.19	16.95	3.53	1.41	-0.49	6.19E-01	-2.37	1.81E-03	-2.05	4.49E-02	M-4
ENSMMUG000000006347	STAB2	Stabilin 2	8.84	4.68	0.57	0.20	-1.28	1.95E-01	-2.94	6.83E-04	-2.36	4.27E-02	M-4
ENSMMUG000000012840	HVCN1	Hydrogen Voltage Gated Channel 1	7.06	9.68	0.12	0.01	1.38	4.22E-01	-6.37	8.46E-06	-5.32	8.83E-03	M-4
ENSMMUG000000042237			0.60	1.83	0.10	0.00	3.87	2.70E-01	-22.85	8.86E-16	-9.43	1.65E-02	M-4
ENSMMUG000000003747	CNNM2	Cyclin And CBS Domain Divalent Metal Cation Transport Mediator 2	198.48	209.04	38.70	3.86	-0.07	9.57E-01	-3.53	1.35E-05	-2.26	4.12E-02	M-4
ENSMMUG000000005512	CCDC87	Coiled-coil Domain Containing 87	6.77	2.52	0.37	0.04	-2.20	1.05E-01	-3.35	9.62E-03	-3.72	2.95E-02	M-4
ENSMMUG000000018316	HRASLS5	HRAS Like Suppressor Family Member 5	14.42	6.69	0.54	0.04	-1.41	3.26E-01	-3.90	1.76E-03	-4.48	6.89E-03	M-4
ENSMMUG000000020430	LUZP2	Leucine Zipper Protein 2	28.47	28.74	6.40	0.12	-0.11	9.43E-01	-4.07	6.34E-06	-2.70	2.70E-02	M-4
ENSMMUG000000006375	CCDC15	Coiled-coil Domain Containing 15	46.12	21.25	6.95	0.79	-1.53	7.34E-02	-1.73	3.61E-02	-2.81	3.13E-03	M-4
ENSMMUG000000048333	HYLS1	HYLS1, Centriolar And Ciliogenesis Associated	43.83	42.04	11.64	2.47	-0.06	9.58E-01	-1.80	1.73E-02	-2.01	3.78E-02	M-4
ENSMMUG000000043816			228.49	170.54	19.49	0.67	-1.03	4.16E-01	-4.42	1.37E-05	-3.12	2.30E-02	M-4
ENSMMUG000000014396	FRZB	Frizzled Related Protein	73.09	90.90	14.07	0.44	-0.84	5.47E-01	-4.83	4.94E-06	-3.79	4.20E-03	M-4
ENSMMUG000000041782			2.07	1.65	0.11	0.02	-2.81	4.19E-01	-16.09	1.52E-08	-12.98	1.29E-04	M-4
ENSMMUG000000016731	CCDC171	Coiled-coil Domain Containing 171	6.52	7.24	1.73	0.26	0.19	8.80E-01	-2.24	6.17E-03	-2.70	6.89E-03	M-4
ENSMMUG000000019761	GNA14	G Protein Subunit Alpha 14	38.09	23.00	2.72	0.46	-1.52	2.15E-01	-3.99	1.80E-04	-3.28	2.43E-02	M-4
ENSMMUG000000010272	SLC30A3	Solute Carrier Family 30 Member 3	5.59	5.96	1.99	0.15	-0.04	9.79E-01	-2.45	1.94E-02	-3.61	4.03E-03	M-4
ENSMMUG000000046375			2.08	1.17	0.03	0.00	-3.40	2.98E-01	-6.39	3.64E-02	-12.30	2.69E-04	M-4
ENSMMUG000000048609			21.85	2.75	2.11	0.01	-3.02	5.76E-02	-4.07	1.37E-02	-4.76	3.50E-02	M-4
ENSMMUG000000009995	ALOX15B	Arachidonate 15-lipoxygenase, Type B	3.30	33.54	0.07	0.00	0.99	7.06E-01	-22.03	1.03E-30	-13.79	4.48E-10	M-4
ENSMMUG000000041445			2.06	0.55	2.73	0.00	-4.26	8.07E-02	-14.95	1.05E-10	-12.36	2.98E-06	M-4
ENSMMUG000000019226	CASKIN1	CASK Interacting Protein 1	1.28	1.12	0.10	0.02	-1.43	3.58E-01	-2.92	4.22E-02	-4.39	1.60E-02	M-4
ENSMMUG000000015689	ADGRG1	Adhesion G Protein-coupled Receptor G1	9.53	6.37	0.21	0.06	-1.47	2.00E-01	-4.46	8.52E-06	-2.95	3.79E-02	M-4
ENSMMUG000000015690	ADGRG3	Adhesion G Protein-coupled Receptor G3	6.44	29.02	4.09	0.23	2.09	1.74E-01	-3.19	2.51E-02	-3.80	4.17E-02	M-4
ENSMMUG000000006862	FHOD3	Formin Homology 2 Domain Containing 3	52.43	34.92	3.46	0.19	-1.06	2.97E-01	-3.59	1.92E-05	-3.39	9.19E-04	M-4
ENSMMUG000000032205	ODF3L2	Outer Dense Fiber Of Sperm Tails 3 Like 2	8.31	2.68	0.96	0.01	-2.80	5.84E-02	-3.64	1.32E-02	-4.09	4.74E-02	M-4
ENSMMUG000000004616	PLAUR	Plasminogen Activator, Urokinase Receptor	23.07	31.22	4.62	0.25	-0.24	8.64E-01	-3.33	1.98E-04	-3.74	8.48E-04	M-4

ENSMMUG00000022163	SLC1A5	Solute Carrier Family 1 Member 5	62.62	77.21	22.05	5.45	0.16	9.15E-01	-2.02	4.00E-02	-2.53	4.12E-02	M-4
ENSMMUG00000009290	ZNF416	Zinc Finger Protein 416	16.30	21.64	10.00	1.16	0.17	8.85E-01	-2.13	3.86E-03	-2.11	2.58E-02	M-4
ENSMMUG00000028711	NLRP4	NLR Family Pyrin Domain Containing 4	#####	434.03	21.52	4.27	-1.53	5.18E-02	-4.32	4.91E-10	-2.14	2.29E-02	M-4
ENSMMUG00000021447	TNFRSF1B	TNF Receptor Superfamily Member 1B	6.76	1.17	0.43	0.05	-3.68	6.06E-03	-1.05	5.38E-01	-3.97	3.31E-02	M-5
ENSMMUG00000018170	THEMIS2	Thymocyte Selection Associated Family Member 2	6.69	6.86	0.43	0.05	-2.82	2.72E-02	-2.30	1.03E-01	-5.02	1.75E-03	M-5
ENSMMUG00000008158	CD247	CD247 Molecule	9.84	6.60	5.11	0.09	-5.44	1.55E-03	0.30	9.19E-01	-6.30	7.59E-03	M-5
ENSMMUG00000023463	MAEL	Maelstrom Spermatogenic Transposon Silencer	183.70	61.25	41.37	1.86	-1.94	6.22E-03	-1.08	1.59E-01	-2.93	2.21E-04	M-5
ENSMMUG00000023393	LYAR	Ly1 Antibody Reactive	36.11	11.15	14.20	4.71	-1.48	7.65E-04	0.26	6.62E-01	-1.83	2.97E-04	M-5
ENSMMUG00000017834			8.39	2.52	0.96	0.04	-4.18	2.70E-04	-1.61	2.50E-01	-4.27	8.61E-03	M-5
ENSMMUG00000010788	ABCB1	ATP Binding Cassette Subfamily B Member 1	8.32	0.50	1.47	0.17	-3.90	2.27E-05	1.42	1.85E-01	-3.96	3.73E-04	M-5
ENSMMUG00000015240	GRM8	Glutamate Metabotropic Receptor 8	7.64	2.44	0.53	0.07	-2.79	1.57E-02	-1.97	1.14E-01	-3.44	3.07E-02	M-5
ENSMMUG00000007720	SYCP2L	Synaptonemal Complex Protein 2 Like	10.62	3.72	0.84	0.05	-2.94	1.94E-02	-1.88	1.74E-01	-4.74	2.63E-03	M-5
ENSMMUG00000002558	STMND1	Stathmin Domain Containing 1	18.72	1.98	1.32	0.02	-3.06	2.16E-02	-1.37	3.78E-01	-4.45	1.24E-02	M-5
ENSMMUG00000002867	TFAP2D	Transcription Factor AP-2 Delta	28.04	11.74	1.85	0.16	-2.63	1.60E-02	-2.10	6.36E-02	-3.14	2.72E-02	M-5
ENSMMUG00000044497			60.09	13.72	3.20	0.28	-4.66	1.56E-04	-0.59	7.44E-01	-6.42	3.70E-05	M-5
ENSMMUG00000001423	FAM214A	Family With Sequence Similarity 214 Member A	57.65	22.83	16.11	4.06	-1.65	2.39E-02	0.01	9.96E-01	-2.19	1.20E-02	M-5
ENSMMUG00000037526	LRR1	Leucine Rich Repeat Protein 1	27.43	10.30	9.61	6.10	-1.43	1.31E-03	0.03	9.67E-01	-1.20	4.36E-02	M-5
ENSMMUG00000003567	DLGAP5	DLG Associated Protein 5	306.73	109.16	97.04	29.62	-1.32	7.85E-03	-0.09	9.00E-01	-1.91	6.18E-04	M-5
ENSMMUG00000042055			3.48	0.33	0.34	0.00	-9.83	7.00E-04	5.74	7.30E-02	-36.93	3.99E-38	M-5
ENSMMUG00000006710			33.70	6.21	1.66	0.18	-3.29	1.17E-02	-2.66	5.72E-02	-3.66	4.80E-02	M-5
ENSMMUG00000001781	LRRC23	Leucine Rich Repeat Containing 23	5.42	2.96	0.49	0.02	-3.53	1.33E-02	-1.29	4.72E-01	-5.11	8.60E-03	M-5
ENSMMUG00000000415	SCN8A	Sodium Voltage-gated Channel Alpha Subunit 8	1.15	2.00	0.66	0.11	-3.68	4.05E-03	-0.45	8.11E-01	-4.55	3.01E-03	M-5
ENSMMUG00000021329	NAV3	Neuron Navigator 3	12.45	2.51	0.57	0.17	-3.58	3.89E-04	-1.74	1.25E-01	-3.47	7.64E-03	M-5
ENSMMUG00000009655	FANK1	Fibronectin Type III And Ankyrin Repeat Domains 1	6.95	5.10	0.87	0.15	-2.76	3.15E-02	0.06	9.78E-01	-4.96	1.53E-03	M-5
ENSMMUG00000004330	PAMR1	Peptidase Domain Containing Associated With Muscle Regeneration 1	1.00	0.25	0.02	0.00	-5.78	8.56E-03	0.20	9.56E-01	-8.31	2.94E-03	M-5
ENSMMUG00000041563			44.48	12.81	4.91	0.21	-2.65	1.42E-02	-1.76	1.21E-01	-2.83	4.16E-02	M-5
ENSMMUG00000004885	QSOX2	Quiescin Sulfhydryl Oxidase 2	11.20	8.19	8.68	6.35	-2.20	4.79E-02	1.40	2.37E-01	-3.56	4.67E-03	M-5
ENSMMUG00000047670			60.75	0.91	0.46	0.13	-6.99	1.37E-16	0.04	9.79E-01	-3.01	2.69E-02	M-5
ENSMMUG00000000498	PAPOLG	Poly(A) Polymerase Gamma	39.52	18.30	21.85	10.57	-1.17	1.40E-02	0.43	4.35E-01	-1.62	3.31E-03	M-5
ENSMMUG00000016553	SLC12A5	Solute Carrier Family 12 Member 5	5.30	2.62	1.16	0.05	-5.27	9.37E-05	0.42	8.39E-01	-6.28	1.04E-04	M-5
ENSMMUG00000031231	DEFB116	Defensin Beta 116	16.35	2.48	6.87	0.01	-5.52	2.14E-02	-1.68	5.84E-01	-18.52	1.29E-13	M-5
ENSMMUG00000013261	CDS2	CDP-diacylglycerol Synthase 2	48.06	8.76	11.44	2.91	-2.87	4.90E-05	1.12	1.63E-01	-2.58	3.16E-03	M-5
ENSMMUG00000015139	SEPT3	Septin 3	7.28	1.80	4.05	0.07	-3.06	3.04E-02	2.67	6.94E-02	-7.01	1.77E-05	M-5
ENSMMUG00000043990			5.97	0.97	0.12	0.00	-8.70	1.66E-04	4.97	5.53E-02	-23.47	2.89E-22	M-5
ENSMMUG00000013529	CDH19	Cadherin 19	9.35	2.66	1.54	0.19	-2.82	2.25E-03	-0.32	8.13E-01	-2.75	2.34E-02	M-5
ENSMMUG00000023699	PLIN5	Perilipin 5	4.12	0.14	1.40	0.01	-4.70	3.10E-02	-0.21	9.53E-01	-19.93	1.48E-19	M-5
ENSMMUG00000011311	TSPAN16	Tetraspanin 16	2.29	3.34	0.17	0.03	-5.57	4.66E-03	1.17	6.63E-01	-7.99	9.88E-04	M-5
ENSMMUG00000011317	RAB3D	RAB3D, Member RAS Oncogene Family	6.39	3.10	0.86	0.17	-2.60	4.44E-02	-0.69	6.81E-01	-4.32	7.31E-03	M-5
ENSMMUG00000028766	LGALS4	Galectin 4	5.00	0.82	0.91	0.10	-5.33	1.47E-03	2.23	2.64E-01	-6.86	1.48E-03	M-5
ENSMMUG00000009787	RCN3	Reticulocalbin 3	15.38	1.75	0.25	0.16	-4.53	9.41E-06	-0.52	7.39E-01	-3.95	7.04E-03	M-5
ENSMMUG00000008029	GSTM3	Glutathione S-transferase Mu 3	42.66	10.43	1.20	0.20	-2.47	1.07E-03	-2.42	1.79E-03	-3.38	4.23E-04	M-6

ENSMMUG0000004907	FAM46C	Family With Sequence Similarity 46 Member C	119.77	36.64	12.17	0.84	-2.04	3.11E-02	-2.55	4.76E-03	-2.78	1.34E-02	M-6
ENSMMUG00000012736	LOC702823	Histone H1oo	143.39	18.89	1.18	0.39	-4.82	1.08E-07	-2.36	1.98E-02	-2.79	3.24E-02	M-6
ENSMMUG00000012574	ITPR1	Inositol 1,4,5-trisphosphate Receptor Type 1	75.10	17.93	3.42	0.74	-2.35	1.91E-04	-1.89	3.28E-03	-2.49	8.61E-04	M-6
ENSMMUG00000003079	FBXW12	F-box And WD Repeat Domain Containing 12	34.50	12.08	0.73	0.08	-2.90	1.63E-02	-3.95	9.31E-04	-3.75	2.18E-02	M-6
ENSMMUG00000006704	ZAR1	Zygote Arrest 1	39.37	5.93	1.04	0.21	-4.26	4.98E-05	-2.52	3.07E-02	-3.40	1.80E-02	M-6
ENSMMUG00000003637	ZP3	Zona Pellucida Glycoprotein 3	545.07	35.37	7.87	1.48	-4.36	3.76E-09	-2.50	1.55E-03	-2.41	1.73E-02	M-6
ENSMMUG00000023470	GNAI1	G Protein Subunit Alpha 11	113.32	47.27	23.88	2.53	-1.90	2.10E-02	-1.76	3.29E-02	-2.80	3.34E-03	M-6
ENSMMUG00000041148			9.29	2.33	15.04	0.00	-6.51	3.81E-03	-11.67	4.42E-07	-21.03	6.97E-20	M-6
ENSMMUG00000041887			4.18	4.07	0.06	0.00	-9.40	7.44E-04	-8.20	6.37E-03	-12.42	2.00E-04	M-6
ENSMMUG00000022251	TGM7	Transglutaminase 7	36.44	41.43	0.95	0.36	-2.18	4.46E-02	-3.85	1.68E-04	-2.82	4.85E-02	M-6
ENSMMUG00000007646	SLC35F4	Solute Carrier Family 35 Member F4	24.79	10.76	3.18	0.10	-2.62	7.60E-03	-3.09	1.78E-03	-3.96	1.42E-03	M-6
ENSMMUG00000018330	CYP2C18	Cytochrome P450, Family 2, Subfamily C, Polypeptide 18	29.68	16.30	1.74	0.31	-2.39	1.43E-02	-2.86	2.56E-03	-2.56	4.30E-02	M-6
ENSMMUG00000019693	ACCSL	1-aminocyclopropane-1-carboxylate Synthase Homolog (inactive) Like	478.06	174.17	24.74	1.86	-1.82	2.65E-02	-4.17	1.90E-08	-2.23	2.60E-02	M-6
ENSMMUG00000007289	MFS6	Major Facilitator Superfamily Domain Containing 6	8.79	4.02	0.58	0.09	-2.50	2.47E-02	-3.15	4.04E-03	-2.95	4.53E-02	M-6
ENSMMUG00000018907	ERFE	Erythroferrone	123.79	31.75	5.12	0.77	-2.25	4.31E-03	-2.41	1.88E-03	-2.78	3.01E-03	M-6
ENSMMUG00000018394	SAXO1	Stabilizer Of Axonemal Microtubules 1	48.72	16.07	6.94	0.34	-2.17	1.61E-02	-3.12	3.33E-04	-3.21	3.62E-03	M-6
ENSMMUG00000008520	ATP8A2	ATPase Phospholipid Transporting 8A2	50.93	20.38	5.00	0.77	-2.14	7.35E-03	-2.76	3.47E-04	-2.18	3.47E-02	M-6
ENSMMUG000000038849	DEFB115	Defensin Beta 115	3.36	8.21	0.13	0.01	-8.20	1.70E-02	-7.77	2.96E-02	-15.35	5.13E-05	M-6
ENSMMUG00000018090	GLP2R	Glucagon Like Peptide 2 Receptor	69.37	9.67	3.68	0.21	-3.04	2.43E-04	-3.40	4.23E-05	-2.68	1.34E-02	M-6
ENSMMUG00000007988	NLRP11	NLR Family Pyrin Domain Containing 11	130.61	38.67	3.32	0.75	-2.37	1.29E-03	-3.36	2.23E-06	-2.05	3.61E-02	M-6

- a) FPKM: Fragments Per Kilobase of transcript per Million mapped reads.
b) L2FC: Log fold change of base 2.
c) FDR: False discovery rate. Adjusted p-value using the Benjamin-Hochberg method.