

Table S3 - EGA1 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	
ENSMMUG00000042049			0.00	0.45	0.30	0.84	38.25	5.83E-10	-25.14	9.21E-05	6.55	6.25E-01	EGA-1
ENSMMUG00000038367	SOX11	SRY-box 11	0.00	6.71	1.00	0.03	31.98	3.53E-26	-9.63	3.76E-03	-0.51	9.68E-01	EGA-1
ENSMMUG00000045213			0.00	2.64	1.23	0.89	31.25	6.41E-07	-18.80	4.66E-03	9.28	4.20E-01	EGA-1
ENSMMUG00000048067			0.07	0.61	0.56	0.56	30.80	1.02E-06	-14.24	3.94E-02	-0.93	9.69E-01	EGA-1
ENSMMUG00000008094			0.00	0.83	0.61	2.33	28.09	7.27E-28	-7.51	6.51E-03	11.93	1.57E-04	EGA-2
ENSMMUG00000019401			0.01	8.27	0.00	2.07	23.45	5.89E-07	-19.35	5.10E-05	22.01	5.90E-05	EGA-2
ENSMMUG00000035757			0.03	4.21	0.41	2.04	23.05	8.57E-09	-23.37	7.81E-09	18.75	7.84E-05	EGA-2
ENSMMUG00000045115			0.34	12.37	0.00	0.63	16.27	2.36E-05	-26.59	9.83E-13	25.88	3.33E-10	EGA-2
ENSMMUG00000048947			0.05	11.59	0.64	2.99	13.02	4.31E-03	-12.63	4.93E-03	5.19	5.36E-01	EGA-1
ENSMMUG00000044514	PSORS1C2	Psoriasis Susceptibility 1 Candidate 2	0.01	4.34	0.90	1.12	12.88	8.95E-05	-7.59	2.58E-02	8.54	5.15E-02	EGA-1
ENSMMUG00000046387	LOC708657	Putative Protein SSX6	0.01	19.25	3.34	0.08	11.23	2.97E-08	-5.20	1.12E-02	-4.10	2.07E-01	EGA-1
ENSMMUG00000014885	LOC100424340	Uncharacterized Protein CXorf49	0.01	11.00	2.15	0.78	11.21	8.03E-12	-6.04	5.67E-05	3.71	1.02E-01	EGA-1
ENSMMUG00000043314	LOC709052	Protein SSX8	0.02	30.68	3.00	0.11	11.12	5.54E-13	-6.07	3.63E-05	-2.71	2.89E-01	EGA-1
ENSMMUG00000018513	IRF4	Interferon Regulatory Factor 4	0.00	4.72	0.27	0.02	10.94	8.84E-14	-6.81	1.69E-06	-2.92	2.00E-01	EGA-1
ENSMMUG00000002545	LOC705514	Putative Zinc Finger And SCAN Domain-containing Protein 5C	0.01	16.22	0.39	0.70	10.86	2.27E-15	-5.00	1.12E-04	-0.24	9.64E-01	EGA-1
ENSMMUG00000046769	LOC106996150	Putative Protein SSX6	0.05	85.84	2.04	0.45	10.75	2.79E-16	-8.35	5.83E-11	0.00	9.99E-01	EGA-1
ENSMMUG00000041263	LOC106995205	Putative Protein SSX6	0.12	179.90	7.49	0.86	10.47	1.82E-24	-7.44	1.09E-12	0.07	9.86E-01	EGA-1
ENSMMUG00000038283	LOC106995824	Putative Protein SSX6	0.12	157.88	6.92	0.74	10.42	6.03E-24	-7.32	3.94E-12	-0.21	9.61E-01	EGA-1
ENSMMUG00000041925	LOC106995770	Putative Protein SSX6	0.12	157.17	6.91	0.72	10.42	6.52E-24	-7.35	3.45E-12	-0.27	9.47E-01	EGA-1
ENSMMUG00000039486			0.04	2.28	1.91	0.02	10.37	2.08E-03	-8.28	1.42E-02	2.05	8.00E-01	EGA-1
ENSMMUG00000046900	LOC100430341	Putative Protein SSX6	0.05	69.70	2.00	0.34	10.35	6.80E-18	-7.99	2.46E-11	-0.16	9.74E-01	EGA-1
ENSMMUG00000012619	LOC697148	Cancer/testis Antigen 47B-like	0.02	12.11	4.31	0.23	10.20	3.60E-09	-3.76	2.94E-02	-2.47	4.10E-01	EGA-1
ENSMMUG00000010112	LOC709149	Protein SSX2-like	0.00	5.39	0.64	0.02	10.19	4.80E-07	-6.07	2.04E-03	-0.73	9.04E-01	EGA-1
ENSMMUG00000013667	TKTL1	Transketolase Like 1	0.04	26.65	3.08	0.57	10.15	9.35E-10	-8.09	1.30E-06	2.04	5.37E-01	EGA-1
ENSMMUG00000017405	LOC701497	Cancer/testis Antigen 1	0.02	13.54	1.45	0.22	10.09	2.71E-11	-3.55	1.39E-02	-3.04	1.94E-01	EGA-1
ENSMMUG00000021135	SLC34A2	Solute Carrier Family 34 Member 2	0.05	42.63	3.47	8.15	10.00	3.28E-42	-4.34	1.10E-08	1.14	4.10E-01	EGA-1
ENSMMUG00000003068			0.10	9.47	2.39	0.06	9.94	1.20E-03	-9.29	2.07E-03	-2.17	7.60E-01	EGA-1
ENSMMUG00000048019			0.05	69.35	7.77	0.46	9.91	8.54E-15	-5.57	1.50E-05	-1.24	6.66E-01	EGA-1
ENSMMUG00000007788	DUXA	Double Homeobox A	0.10	130.85	32.81	1.48	9.84	2.62E-17	-2.65	3.62E-02	-3.41	3.42E-02	EGA-3
ENSMMUG00000040722	LOC722781	PRAME Family Member 5	0.06	63.85	9.02	1.74	9.80	1.90E-21	-3.04	5.14E-03	-1.88	2.78E-01	EGA-1
ENSMMUG00000005986	KLF17	Kruppel Like Factor 17	0.06	83.48	14.22	1.86	9.80	4.68E-19	-4.28	1.64E-04	-1.99	2.88E-01	EGA-1
ENSMMUG00000043184	LOC706956	Nuclear Nucleic Acid-binding Protein C1D Pseudogene	0.07	55.56	5.60	3.41	9.77	1.15E-16	-2.94	9.71E-03	-1.38	5.21E-01	EGA-1
ENSMMUG00000042623			0.04	63.57	2.64	1.33	9.76	1.57E-10	-7.16	2.09E-06	1.35	6.87E-01	EGA-1
ENSMMUG00000000414			0.02	30.09	0.61	0.24	9.74	5.12E-05	-9.60	5.88E-05	3.71	3.49E-01	EGA-1
ENSMMUG00000012549	TBX20	T-box 20	0.01	3.51	1.57	0.46	9.72	1.03E-09	-3.04	4.80E-02	-0.43	9.29E-01	EGA-1
ENSMMUG00000019164	LOC100424446	Protein SSX3-like	0.02	12.56	3.45	0.08	9.70	3.10E-08	-4.90	3.15E-03	-3.40	2.16E-01	EGA-1

ENSMMUG0000004301	LOC106997598	EF-hand Calcium-binding Domain-containing Protein 10	0.22	7.73	0.71	0.40	9.67	2.88E-04	-7.04	9.68E-03	0.19	9.86E-01	EGA-1
ENSMMUG00000041248			0.01	4.40	1.10	0.03	9.56	6.06E-08	-5.01	5.03E-03	-1.72	6.77E-01	EGA-1
ENSMMUG0000000710	LOC698764	Inosine-5'-monophosphate Dehydrogenase 1	0.01	2.62	0.37	0.28	9.52	4.76E-09	-3.52	3.34E-02	-1.07	7.85E-01	EGA-1
ENSMMUG00000014906	RAB39A	RAB39A, Member RAS Oncogene Family	0.01	6.10	0.74	3.82	9.46	7.17E-08	-3.88	1.90E-02	2.72	2.96E-01	EGA-1
ENSMMUG00000012585	OVOL1	Ovo Like Transcriptional Repressor 1	0.00	1.99	1.95	0.99	9.45	4.57E-08	-5.56	9.77E-04	2.65	3.34E-01	EGA-1
ENSMMUG00000030814			0.00	1.00	0.29	0.22	9.44	6.11E-08	-3.48	3.85E-02	-0.52	9.16E-01	EGA-1
ENSMMUG00000015532	LOC705401	Zinc Finger And SCAN Domain-containing Protein 5B	0.12	103.43	9.04	1.05	9.36	6.01E-26	-4.09	9.19E-06	-2.31	8.67E-02	EGA-1
ENSMMUG00000017058	UNCX	UNC Homeobox	0.00	3.71	0.57	0.02	9.33	2.99E-06	-6.34	1.37E-03	-0.19	9.82E-01	EGA-1
ENSMMUG00000016732	ANKRD35	Ankyrin Repeat Domain 35	0.00	4.68	0.36	0.06	9.30	3.96E-10	-4.86	6.24E-04	-0.98	7.85E-01	EGA-1
ENSMMUG00000023372	RCSD1	RCSD Domain Containing 1	0.01	2.19	0.54	0.50	9.18	8.72E-07	-5.80	1.30E-03	3.40	2.29E-01	EGA-1
ENSMMUG00000028908	LOC705273	Putative Methyl-CpG-binding Domain Protein 3-like 5	0.03	42.23	7.50	3.21	9.14	1.86E-09	-6.71	5.37E-06	1.17	7.35E-01	EGA-1
ENSMMUG00000020044			0.01	4.10	0.89	0.09	9.14	3.56E-06	-6.54	7.01E-04	-0.34	9.64E-01	EGA-1
ENSMMUG00000035585			0.38	7.93	3.16	4.47	9.14	5.19E-03	-11.61	2.04E-04	7.48	8.63E-02	EGA-1
ENSMMUG00000044300	LOC695155	Melanoma-associated Antigen 1	0.01	3.85	0.21	0.18	9.12	3.88E-05	-5.28	1.51E-02	0.98	8.67E-01	EGA-1
ENSMMUG00000041090	LOC718749	Tripartite Motif-containing Protein 43	0.11	118.10	6.27	1.67	9.11	6.17E-13	-5.46	2.81E-05	-0.88	7.89E-01	EGA-1
ENSMMUG00000043608	LOC718749	Tripartite Motif-containing Protein 43	0.14	129.20	6.26	1.87	9.05	2.09E-13	-5.40	2.25E-05	-0.77	8.13E-01	EGA-1
ENSMMUG00000039775			0.07	62.01	2.79	0.82	8.90	1.78E-06	-7.13	1.97E-04	1.45	7.44E-01	EGA-1
ENSMMUG00000016054	HFE2	Hemochromatosis Type 2 (juvenile)	0.00	3.50	0.29	0.08	8.82	1.27E-05	-5.90	2.32E-03	3.87	1.92E-01	EGA-1
ENSMMUG00000045019	LOC700765	Lysine-specific Demethylase 4E-like	0.04	24.68	0.35	0.48	8.76	9.93E-06	-6.50	1.47E-03	1.77	6.85E-01	EGA-1
ENSMMUG00000042532	LEUTX	Leucine Twenty Homeobox	0.15	160.56	18.71	1.58	8.72	4.46E-14	-6.50	3.99E-08	-0.41	9.12E-01	EGA-1
ENSMMUG00000008686	S1PR5	Sphingosine-1-phosphate Receptor 5	0.02	12.06	4.96	1.73	8.72	7.68E-16	-2.50	3.12E-02	0.15	9.71E-01	EGA-1
ENSMMUG00000014800	SLC17A7	Solute Carrier Family 17 Member 7	0.03	20.81	3.06	0.42	8.72	1.56E-14	-3.21	8.42E-03	-2.51	1.64E-01	EGA-1
ENSMMUG00000017200	SALL1	Spalt Like Transcription Factor 1	0.01	3.49	0.14	0.80	8.70	4.91E-10	-6.65	2.57E-06	3.18	1.27E-01	EGA-1
ENSMMUG00000018573			0.09	35.28	4.35	1.65	8.64	5.54E-13	-4.04	8.05E-04	-0.23	9.61E-01	EGA-1
ENSMMUG00000001178	CCNA1	Cyclin A1	0.04	25.56	2.71	0.28	8.63	4.08E-16	-4.29	1.08E-04	-2.06	2.47E-01	EGA-1
ENSMMUG00000045561			0.13	4.75	0.31	0.34	8.59	2.54E-07	-6.88	3.41E-05	0.94	8.29E-01	EGA-1
ENSMMUG00000002613	IRX1	Iroquois Homeobox 1	0.01	3.14	6.30	0.17	8.43	2.09E-06	-4.27	1.55E-02	0.27	9.67E-01	EGA-1
ENSMMUG00000002219			0.04	11.30	0.91	0.12	8.41	2.63E-05	-6.77	6.10E-04	-1.94	6.47E-01	EGA-1
ENSMMUG00000005550	SLFN12L	Schlafen Family Member 12 Like	0.00	1.50	0.85	0.05	8.37	5.98E-06	-4.67	1.01E-02	-0.59	9.13E-01	EGA-1
ENSMMUG00000028958			0.15	199.42	26.99	5.33	8.33	3.65E-07	-6.21	2.18E-04	1.40	7.13E-01	EGA-1
ENSMMUG00000028727			0.00	2.98	0.12	0.07	8.26	8.19E-03	-6.92	2.76E-02	0.59	9.59E-01	EGA-1
ENSMMUG00000019257	TNP1	Transition Protein 1	0.01	4.30	0.25	0.07	8.23	2.23E-02	-20.47	4.42E-10	13.94	5.81E-04	EGA-2

ENSMMUG00000045175	LOC715953	PRAME Family Member 17	0.05	44.16	2.51	0.36	8.20	1.64E-15	-3.76	4.06E-04	-3.60	8.43E-03	EGA-3
ENSMMUG00000005591	LOC705142	Putative Methyl-CpG-binding Domain Protein 3-like 5	0.02	25.15	9.37	1.83	8.16	2.31E-08	-4.48	2.21E-03	-0.36	9.46E-01	EGA-1
ENSMMUG00000045332			0.05	41.81	2.97	1.02	8.12	4.39E-07	-6.28	1.42E-04	1.42	6.95E-01	EGA-1
ENSMMUG00000015212			0.03	16.42	1.50	0.01	8.07	5.38E-05	-6.77	1.13E-03	-3.17	3.65E-01	EGA-1
ENSMMUG00000037555	LOC715706	Schlafen Family Member 13	0.03	14.60	2.22	0.18	8.05	1.31E-09	-3.83	6.44E-03	-3.51	6.87E-02	EGA-1
ENSMMUG00000047834			1.24	113.34	8.83	1.26	8.03	2.99E-06	-4.65	1.10E-02	-2.52	4.33E-01	EGA-1
ENSMMUG00000039594			0.03	2.28	0.01	0.18	8.00	9.75E-04	-6.57	8.04E-03	2.23	6.73E-01	EGA-1
ENSMMUG00000048723			0.28	72.15	7.43	19.06	7.88	3.41E-07	-3.61	2.09E-02	1.17	7.51E-01	EGA-1
ENSMMUG00000002413	PLVAP	Plasmalemma Vesicle Associated Protein	0.16	33.20	3.58	0.22	7.88	1.39E-15	-5.66	3.32E-08	-2.03	2.25E-01	EGA-1
ENSMMUG00000043376			1.27	125.02	10.50	1.27	7.87	2.44E-06	-4.20	1.95E-02	-2.98	2.99E-01	EGA-1
ENSMMUG00000039934			1.27	125.00	10.54	1.27	7.87	2.44E-06	-4.20	1.95E-02	-2.98	2.99E-01	EGA-1
ENSMMUG00000015273	NMRK2	Nicotinamide Riboside Kinase 2	0.04	2.59	0.19	1.09	7.84	2.06E-04	-8.62	5.29E-05	6.75	1.45E-02	EGA-2
ENSMMUG00000047420	KLF18	Kruppel Like Factor 18	1.28	208.01	6.35	0.40	7.84	1.57E-08	-6.26	1.08E-05	-2.80	2.12E-01	EGA-1
ENSMMUG00000044603	ZFP36L1	ZFP36 Ring Finger Protein Like 1	0.09	5.69	2.27	4.97	7.80	8.92E-23	-3.77	3.98E-06	3.98	2.93E-05	EGA-2
ENSMMUG00000013598	LOC693602	Putative Tripartite Motif-containing Protein 64B	0.04	46.42	2.55	0.64	7.78	1.56E-04	-8.29	7.64E-05	3.43	3.19E-01	EGA-1
ENSMMUG00000003927	PAQR9	Progesterone And AdipoQ Receptor Family Member 9	0.01	2.13	0.33	0.21	7.77	6.27E-07	-4.68	2.88E-03	1.16	7.52E-01	EGA-1
ENSMMUG00000045637	ZSCAN5A	Zinc Finger And SCAN Domain Containing 5A	0.07	11.17	0.78	0.45	7.76	5.87E-23	-4.18	2.87E-07	-0.28	9.13E-01	EGA-1
ENSMMUG00000004055	CD300LF	CD300 Molecule Like Family Member F	0.03	6.74	1.41	0.11	7.74	2.96E-07	-3.41	2.64E-02	-1.45	6.51E-01	EGA-1
ENSMMUG00000001923	LMOD1	Leiomodin 1	0.07	2.08	0.21	0.38	7.61	2.30E-05	-5.66	2.02E-03	4.47	8.99E-02	EGA-1
ENSMMUG00000002159	RFPL4B	Ret Finger Protein Like 4B	0.05	40.78	12.20	1.55	7.60	7.26E-11	-2.59	4.33E-02	-2.89	9.32E-02	EGA-1
ENSMMUG00000043227	S100A14	S100 Calcium Binding Protein A14	0.00	0.84	0.32	16.11	7.56	2.81E-07	-4.04	2.22E-03	7.59	4.07E-08	EGA-2
ENSMMUG00000046249			0.23	67.33	5.33	0.81	7.31	3.89E-10	-7.65	3.29E-10	0.50	8.88E-01	EGA-1
ENSMMUG00000022316			0.03	3.29	0.47	0.30	7.30	1.29E-10	-2.62	2.15E-02	3.48	2.25E-02	EGA-2
ENSMMUG00000011469	GCNA	Germ Cell Nuclear Acidic Peptidase	0.08	7.14	0.56	0.30	7.23	3.61E-07	-4.17	5.56E-03	-0.18	9.74E-01	EGA-1
ENSMMUG00000020616	ELAVL3	ELAV Like RNA Binding Protein 3	0.03	9.53	1.34	0.07	7.00	1.35E-06	-5.20	4.62E-04	-2.20	4.00E-01	EGA-1
ENSMMUG00000005335	ZSCAN4	Zinc Finger And SCAN Domain Containing 4	0.77	57.89	11.05	2.09	6.97	1.66E-10	-4.30	1.67E-04	-0.58	8.52E-01	EGA-1
ENSMMUG00000009612	FAM71F1	Family With Sequence Similarity 71 Member F1	0.07	7.32	0.66	0.34	6.96	4.39E-06	-5.14	7.84E-04	0.57	9.02E-01	EGA-1
ENSMMUG00000044172	LOC106995837	RNA Polymerase II Transcription Factor SIII Subunit A3-like	0.03	7.55	2.45	0.28	6.93	9.12E-03	-7.36	5.08E-03	4.08	3.36E-01	EGA-1
ENSMMUG00000043738			0.03	7.31	2.35	0.28	6.91	8.91E-03	-7.01	7.35E-03	3.97	3.51E-01	EGA-1
ENSMMUG00000008430	CACNB3	Calcium Voltage-gated Channel Auxiliary Subunit Beta 3	0.35	27.79	3.46	0.67	6.83	3.75E-09	-3.98	1.10E-03	-0.37	9.22E-01	EGA-1
ENSMMUG00000039325			0.07	8.89	1.57	0.54	6.77	3.61E-05	-3.93	2.17E-02	-0.28	9.65E-01	EGA-1
ENSMMUG00000020697	LTB4R	Leukotriene B4 Receptor	0.03	3.40	0.48	0.12	6.74	1.95E-04	-3.69	4.59E-02	2.23	5.07E-01	EGA-1
ENSMMUG00000038544			0.05	10.52	0.39	0.28	6.68	6.48E-03	-6.83	4.91E-03	-0.06	9.95E-01	EGA-1

ENSMMUG0000000500	FNDC1	Fibronectin Type III Domain Containing 1	0.27	2.57	0.14	0.06	6.53	2.21E-05	-6.64	2.73E-05	-0.36	9.50E-01	EGA-1
ENSMMUG00000046109	HNRNPCL1	Heterogeneous Nuclear Ribonucleoprotein C-like 1	0.30	43.10	1.68	0.97	6.44	1.85E-15	-3.91	4.31E-06	-1.75	2.03E-01	EGA-1
ENSMMUG00000018924	RPRD1B	Regulation Of Nuclear Pre-mRNA Domain Containing 1B	0.33	9.75	3.19	6.19	6.32	3.04E-12	-2.30	1.61E-02	1.34	4.13E-01	EGA-1
ENSMMUG00000047988			0.25	7.15	0.30	0.57	6.31	7.44E-05	-5.86	2.35E-04	3.19	2.09E-01	EGA-1
ENSMMUG00000009443	ENO2	Enolase 2	0.25	10.06	1.10	0.25	6.30	1.03E-03	-5.28	7.02E-03	-3.57	2.36E-01	EGA-1
ENSMMUG00000008822	KTI12	KTI12 Chromatin Associated Homolog	0.32	5.19	2.03	2.25	6.28	3.02E-06	-3.08	2.48E-02	2.73	1.89E-01	EGA-1
ENSMMUG00000022205	PCBP4	Poly(rC) Binding Protein 4	0.05	1.06	0.19	0.09	6.08	3.86E-06	-4.83	3.59E-04	0.36	9.36E-01	EGA-1
ENSMMUG00000014601	MYC	MYC Proto-oncogene, BHLH Transcription Factor	0.44	17.79	10.79	7.34	6.05	6.22E-12	-2.18	2.58E-02	1.45	3.59E-01	EGA-1
ENSMMUG00000009648	PAX9	Paired Box 9	0.79	2.30	0.08	0.29	5.85	7.55E-03	-6.54	1.80E-03	2.72	4.81E-01	EGA-1
ENSMMUG00000000925	HOXC10	Homeobox C10	0.03	15.13	0.97	2.25	5.78	2.60E-02	-10.62	2.14E-05	9.76	7.63E-04	EGA-2
ENSMMUG00000012586	ZNF878	Zinc Finger Protein 878	0.40	23.18	9.45	5.91	5.70	1.70E-13	-1.77	4.31E-02	-0.78	6.56E-01	EGA-1
ENSMMUG00000019949	PRNP	Prion Protein	0.41	15.88	3.84	0.22	5.69	1.25E-07	-3.00	9.85E-03	-3.64	1.28E-02	EGA-3
ENSMMUG00000011863	RFPL1	Ret Finger Protein Like 1	0.72	67.17	7.27	1.62	5.67	1.31E-05	-7.19	3.37E-08	1.43	5.94E-01	EGA-1
ENSMMUG00000008364	ZNF771	Zinc Finger Protein 771	0.11	4.90	0.42	0.15	5.64	1.23E-02	-7.92	3.20E-04	3.09	4.23E-01	EGA-1
ENSMMUG00000042907	PMVK	Phosphomevalonate Kinase	0.10	1.17	0.19	1.63	5.64	5.73E-04	-4.45	7.74E-03	2.73	2.93E-01	EGA-1
ENSMMUG00000007653	SYT5	Synaptotagmin 5	0.25	9.02	0.44	0.40	5.53	3.02E-03	-6.21	4.48E-04	2.72	3.92E-01	EGA-1
ENSMMUG00000019993	SESN2	Sestrin 2	0.49	21.53	6.11	4.83	5.52	1.07E-10	-1.92	4.66E-02	-0.70	7.39E-01	EGA-1
ENSMMUG000000039682			0.11	7.91	0.93	0.27	5.47	4.95E-03	-4.08	4.28E-02	0.66	9.15E-01	EGA-1
ENSMMUG00000040877			0.08	7.99	2.45	0.76	5.34	3.62E-03	-4.72	1.29E-02	0.88	8.54E-01	EGA-1
ENSMMUG00000007826	LOC106997200	Hypothetical Protein	0.27	3.93	2.27	1.12	5.28	1.31E-03	-3.37	4.42E-02	-0.53	9.11E-01	EGA-1
ENSMMUG00000022709	SLC2A4	Solute Carrier Family 2 Member 4	0.25	11.07	0.24	0.08	5.25	4.39E-05	-6.50	8.89E-07	-1.27	6.58E-01	EGA-1
ENSMMUG00000005620	PCDH9	Protocadherin 9	0.06	13.01	2.59	0.05	5.21	2.04E-03	-5.66	7.72E-04	-1.87	5.65E-01	EGA-1
ENSMMUG00000005751	ADAT1	Adenosine Deaminase, TRNA Specific 1	0.22	16.94	1.17	4.42	5.19	1.79E-04	-3.38	1.95E-02	2.29	3.19E-01	EGA-1
ENSMMUG00000002268	AFMID	Arylformamidase	0.07	2.83	0.56	0.21	5.06	3.08E-06	-3.00	8.52E-03	0.41	9.02E-01	EGA-1
ENSMMUG00000018597	NUBP2	Nucleotide Binding Protein 2	0.50	4.91	1.48	0.90	5.05	2.28E-04	-2.99	4.02E-02	-0.03	9.97E-01	EGA-1
ENSMMUG00000009222	PLEKHA4	Pleckstrin Homology Domain Containing A4	0.19	1.70	0.15	0.27	5.04	4.72E-03	-5.47	1.95E-03	1.98	5.59E-01	EGA-1
ENSMMUG00000018814	DGKA	Diacylglycerol Kinase Alpha	0.26	12.81	0.73	0.67	5.03	5.32E-06	-4.00	4.34E-04	0.00	1.00E+00	EGA-1
ENSMMUG000000031516			0.15	5.72	5.77	2.83	5.00	2.00E-03	-3.53	3.41E-02	1.90	5.03E-01	EGA-1
ENSMMUG00000017392			0.85	12.43	3.33	2.95	4.93	3.56E-07	-2.88	4.99E-03	0.11	9.76E-01	EGA-1
ENSMMUG00000018301	ZNF707	Zinc Finger Protein 707	0.07	3.37	0.80	0.43	4.90	7.06E-05	-2.65	4.61E-02	-1.81	4.13E-01	EGA-1
ENSMMUG00000010948	PLEKHO2	Pleckstrin Homology Domain Containing O2	0.12	2.47	1.12	0.56	4.85	1.26E-03	-5.59	1.63E-04	2.83	2.20E-01	EGA-1
ENSMMUG00000004533	PC	Pyruvate Carboxylase	0.13	0.85	0.37	0.56	4.85	6.17E-04	-3.08	3.69E-02	2.27	3.23E-01	EGA-1
ENSMMUG00000004409	ZNF608	Zinc Finger Protein 608	0.49	12.91	1.72	2.26	4.79	9.22E-09	-3.14	3.17E-04	1.15	4.70E-01	EGA-1
ENSMMUG00000016753	DNAH3	Dynein Axonemal Heavy Chain 3	0.08	1.38	0.56	1.53	4.79	2.44E-06	-3.49	9.46E-04	2.41	1.06E-01	EGA-1

ENSMMUG00000030339			1.42	22.34	9.86	11.01	4.78	1.71E-07	-2.43	1.33E-02	0.27	9.30E-01	EGA-1
ENSMMUG00000046456			0.09	2.55	0.09	0.12	4.75	2.87E-03	-5.71	4.48E-04	1.37	7.23E-01	EGA-1
ENSMMUG00000000751	NLE1	Notchless Homolog 1	0.11	2.31	0.65	0.88	4.71	1.07E-04	-2.71	3.62E-02	0.73	8.13E-01	EGA-1
ENSMMUG00000006296	FLNC	Filamin C	0.02	1.47	0.38	4.20	4.66	2.49E-03	-4.44	3.45E-03	8.39	1.63E-07	EGA-2
ENSMMUG00000047155	LOC711606	Putative Zinc Finger Protein 735	2.90	95.70	13.41	2.65	4.63	3.33E-10	-2.89	1.82E-04	-1.92	8.10E-02	EGA-1
ENSMMUG00000043719	C1H1orf216	Chromosome 1 Open Reading Frame, Human C1orf216	0.03	1.09	0.08	0.16	4.55	1.20E-02	-3.71	4.55E-02	2.46	4.43E-01	EGA-1
ENSMMUG00000041575	LOC106993437	Serine/arginine-rich Splicing Factor 8-like	0.25	8.75	0.53	1.07	4.53	2.94E-04	-4.64	2.20E-04	1.07	7.01E-01	EGA-1
ENSMMUG00000015971	SORD	Sorbitol Dehydrogenase	0.13	6.43	0.53	0.85	4.53	1.97E-05	-2.62	2.05E-02	0.63	8.19E-01	EGA-1
ENSMMUG00000043930			0.18	2.97	0.07	0.19	4.48	1.52E-02	-6.15	5.87E-04	3.28	2.41E-01	EGA-1
ENSMMUG00000017690	CHRNB1	Cholinergic Receptor Nicotinic Beta 1 Subunit	0.67	8.10	0.37	0.44	4.45	3.66E-04	-6.18	1.98E-06	0.44	9.15E-01	EGA-1
ENSMMUG00000008059	ZNF625	Zinc Finger Protein 625	0.11	2.17	0.29	1.49	4.41	1.64E-03	-3.46	1.64E-02	2.73	2.00E-01	EGA-1
ENSMMUG00000048103			2.03	70.61	1.49	2.28	4.39	1.48E-02	-3.93	3.51E-02	-0.64	9.05E-01	EGA-1
ENSMMUG00000008466	LOC719477	Ankyrin Repeat Domain-containing Protein 18A-like	0.22	2.84	0.76	0.87	4.36	6.11E-08	-2.17	1.23E-02	0.06	9.86E-01	EGA-1
ENSMMUG00000049028			57.23	112.85	207.50	283.94	4.36	4.20E-03	-3.07	4.02E-02	1.94	4.99E-01	EGA-1
ENSMMUG00000047978	LOC710293	Ral-GDS-related Protein-like	0.05	0.57	0.08	0.74	4.36	1.54E-04	-3.41	4.31E-03	2.31	1.89E-01	EGA-1
ENSMMUG00000014940	PNRC1	Proline Rich Nuclear Receptor Coactivator 1	2.60	26.74	19.63	13.93	4.34	5.34E-11	-1.78	1.40E-02	0.12	9.65E-01	EGA-1
ENSMMUG00000018778	MRPL49	Mitochondrial Ribosomal Protein L49	1.32	30.13	7.66	14.28	4.31	1.95E-10	-2.06	4.80E-03	0.92	4.89E-01	EGA-1
ENSMMUG00000013376	POU2F2	POU Class 2 Homeobox 2	0.36	10.81	0.66	0.24	4.22	6.96E-05	-5.47	3.08E-07	0.30	9.36E-01	EGA-1
ENSMMUG00000046400			0.35	5.89	1.57	0.28	4.15	3.47E-02	-5.06	1.00E-02	0.92	8.54E-01	EGA-1
ENSMMUG00000009041	NSD1	Nuclear Receptor Binding SET Domain Protein 1	1.76	28.71	13.07	19.51	4.12	4.46E-21	-1.17	1.82E-02	0.92	2.06E-01	EGA-1
ENSMMUG00000017440	IRX5	Iroquois Homeobox 5	0.71	10.31	1.52	0.01	4.08	6.36E-03	-7.09	2.88E-06	-3.32	1.72E-01	EGA-1
ENSMMUG00000011918	CXCR4	C-X-C Motif Chemokine Receptor 4	0.04	1.25	0.39	0.11	4.08	4.28E-02	-4.96	1.18E-02	0.34	9.64E-01	EGA-1
ENSMMUG00000018723	GPATCH3	G-patch Domain Containing 3	0.30	9.25	1.13	2.21	4.05	5.34E-04	-2.46	4.77E-02	0.85	7.59E-01	EGA-1
ENSMMUG00000003918	DCAF8L1	DDB1 And CUL4 Associated Factor 8 Like 1	0.95	7.41	12.13	0.23	4.02	2.98E-03	-3.66	7.65E-03	-0.72	8.40E-01	EGA-1
ENSMMUG00000013739	RAI14	Retinoic Acid Induced 14	0.84	9.61	1.45	4.88	4.02	3.14E-07	-3.70	3.51E-06	1.81	1.29E-01	EGA-1
ENSMMUG00000014789	CD37	CD37 Molecule	0.66	5.71	0.71	0.16	4.00	9.79E-03	-6.48	3.33E-05	0.88	8.37E-01	EGA-1
ENSMMUG00000003165			0.86	7.16	1.27	2.02	3.97	3.01E-03	-3.55	8.24E-03	2.57	1.99E-01	EGA-1
ENSMMUG00000017776			1.33	56.26	4.31	1.60	3.97	6.35E-04	-2.76	2.20E-02	0.10	9.83E-01	EGA-1
ENSMMUG00000010826	RGL3	Ral Guanine Nucleotide Dissociation Stimulator Like 3	0.09	2.31	0.08	0.10	3.94	2.09E-02	-6.04	4.48E-04	-0.03	9.97E-01	EGA-1
ENSMMUG00000019606	CGAS	Cyclic GMP-AMP Synthase	0.85	9.34	0.67	0.12	3.91	2.50E-04	-5.06	1.79E-06	-2.50	1.13E-01	EGA-1
ENSMMUG00000042663			2.54	52.30	2.82	14.46	3.91	3.73E-03	-3.17	2.33E-02	2.24	3.03E-01	EGA-1
ENSMMUG00000010078			0.17	1.02	0.12	0.49	3.86	9.70E-03	-5.19	5.45E-04	3.85	6.67E-02	EGA-1

ENSMMUG00000014309	ZNF280A	Zinc Finger Protein 280A	9.12	145.36	45.54	10.41	3.85	1.29E-09	-2.16	1.39E-03	-1.39	1.66E-01	EGA-1
ENSMMUG00000011094	SLC16A6	Solute Carrier Family 16 Member 6	0.36	14.76	0.39	1.04	3.84	1.34E-02	-4.36	4.12E-03	1.77	5.33E-01	EGA-1
ENSMMUG00000002727	WBP1	WW Domain Binding Protein 1	0.59	9.07	4.28	2.71	3.81	1.44E-04	-2.46	1.94E-02	0.17	9.66E-01	EGA-1
ENSMMUG00000003603	TRIM41	Tripartite Motif Containing 41	1.09	27.50	2.39	2.59	3.78	2.96E-05	-3.60	7.52E-05	1.25	4.54E-01	EGA-1
ENSMMUG000000045210	LOC106996634	Histone H4-like	10.42	167.21	35.13	25.99	3.75	6.79E-03	-3.60	8.93E-03	-0.45	9.12E-01	EGA-1
ENSMMUG00000010358	SLC35F2	Solute Carrier Family 35 Member F2	2.90	49.23	12.58	14.78	3.74	5.73E-07	-1.97	1.41E-02	0.53	7.80E-01	EGA-1
ENSMMUG000000047887	ZNF154	Zinc Finger Protein 154	0.21	2.05	5.26	0.18	3.73	4.87E-03	-4.10	2.25E-03	0.15	9.76E-01	EGA-1
ENSMMUG00000003819			0.58	10.10	2.08	1.15	3.73	9.28E-05	-2.80	4.69E-03	-0.32	9.14E-01	EGA-1
ENSMMUG00000010496	RBM19	RNA Binding Motif Protein 19	1.79	20.67	9.35	9.42	3.71	4.29E-09	-1.41	4.66E-02	0.28	8.81E-01	EGA-1
ENSMMUG000000022116	PIH1D1	PIH1 Domain Containing 1	0.69	6.88	0.95	3.88	3.70	3.92E-04	-3.67	4.40E-04	2.77	5.16E-02	EGA-1
ENSMMUG00000004865			1.08	15.82	2.80	3.10	3.65	5.90E-03	-2.74	4.46E-02	1.49	5.47E-01	EGA-1
ENSMMUG00000018647	KRT15	Keratin 15	1.15	8.13	0.04	0.13	3.65	3.39E-02	-10.65	8.78E-10	2.73	3.66E-01	EGA-1
ENSMMUG00000010202	C11H12orf57	Chromosome 11 Open Reading Frame, Human C12orf57	0.97	7.15	2.71	2.00	3.61	2.78E-02	-3.58	2.92E-02	0.49	9.17E-01	EGA-1
ENSMMUG00000005962	KLHL11	Kelch Like Family Member 11	3.09	37.55	16.80	4.64	3.61	1.97E-06	-2.40	2.54E-03	0.00	1.00E+00	EGA-1
ENSMMUG000000029503			0.45	7.23	0.44	1.10	3.61	3.20E-02	-4.90	2.61E-03	2.51	3.48E-01	EGA-1
ENSMMUG00000000347			2.38	28.82	10.25	10.83	3.57	1.54E-05	-1.82	4.27E-02	0.73	6.96E-01	EGA-1
ENSMMUG00000015952	KATNAL2	Katanin Catalytic Subunit A1 Like 2	0.69	3.65	0.14	0.85	3.55	4.02E-02	-6.01	3.55E-04	3.63	1.64E-01	EGA-1
ENSMMUG00000002004	CDKN2AIP	CDKN2A Interacting Protein	1.51	21.40	7.11	5.65	3.55	6.09E-05	-2.18	1.98E-02	0.81	6.80E-01	EGA-1
ENSMMUG000000041919	NRF1	Nuclear Respiratory Factor 1	0.54	6.17	1.25	2.47	3.53	1.15E-03	-2.79	1.26E-02	2.20	1.88E-01	EGA-1
ENSMMUG00000004784	LOC106999243	Snurportin-1	4.64	50.05	18.39	11.04	3.51	3.47E-10	-1.24	4.82E-02	-1.15	2.06E-01	EGA-1
ENSMMUG000000039851	LOC706446	Uncharacterized LOC706446	0.04	0.88	0.19	0.35	3.47	1.55E-02	-2.94	3.84E-02	4.12	1.74E-02	EGA-2
ENSMMUG000000039015	C4H6orf141	Chromosome 4 Open Reading Frame, Human C6orf141	0.33	4.99	1.58	1.18	3.37	8.52E-03	-3.37	8.29E-03	-0.19	9.68E-01	EGA-1
ENSMMUG000000047277			1.07	7.44	2.89	6.38	3.35	2.17E-04	-2.62	4.95E-03	2.39	5.41E-02	EGA-1
ENSMMUG00000017765	LOC703164	Uncharacterized Protein C10orf68 Homolog	0.30	5.27	0.26	0.11	3.25	8.63E-03	-5.14	2.36E-05	0.56	8.80E-01	EGA-1
ENSMMUG000000044331	ZNF471	Zinc Finger Protein 471	0.42	5.22	1.21	0.59	3.21	2.79E-05	-2.02	1.22E-02	-1.71	1.35E-01	EGA-1
ENSMMUG00000014785	SNRNP48	Small Nuclear Ribonucleoprotein U11/U12 Subunit 48	2.20	15.87	8.69	5.00	3.20	3.98E-07	-1.81	7.03E-03	0.17	9.41E-01	EGA-1
ENSMMUG00000011447	EBF3	Early B-cell Factor 3	1.81	7.34	2.03	0.07	3.14	3.21E-02	-9.78	2.56E-10	1.81	5.58E-01	EGA-1
ENSMMUG000000020898			2.56	20.65	2.89	1.61	3.10	8.90E-03	-5.30	2.01E-06	2.07	2.53E-01	EGA-1
ENSMMUG00000014697	NFIB	Nuclear Factor I B	0.24	2.22	0.32	0.14	3.09	1.47E-02	-4.76	8.44E-05	-0.33	9.36E-01	EGA-1
ENSMMUG000000021049	LOC705507	Ret Finger Protein-like 3	5.05	38.59	9.82	2.26	3.09	3.27E-02	-3.67	8.59E-03	-1.57	5.54E-01	EGA-1
ENSMMUG00000019961	PPP1R18	Protein Phosphatase 1 Regulatory Subunit 18	0.17	3.44	0.10	1.10	3.08	2.56E-02	-6.31	4.25E-06	4.10	1.79E-02	EGA-2
ENSMMUG000000032376			1.97	11.23	2.27	0.62	3.06	4.88E-03	-4.53	2.02E-05	-0.39	9.07E-01	EGA-1
ENSMMUG000000020821	TEX15	Testis Expressed 15, Meiosis And Synapsis Associated	0.51	4.65	0.52	0.05	3.02	4.06E-03	-4.12	4.68E-05	-1.72	3.19E-01	EGA-1
ENSMMUG000000021518	CLCN7	Chloride Voltage-gated Channel 7	0.38	4.61	0.44	1.44	3.00	1.98E-02	-3.78	2.66E-03	1.97	3.49E-01	EGA-1

ENSMMUG0000003955	PGAP2	Post-GPI Attachment To Proteins 2	3.36	27.14	3.02	3.53	2.96	1.69E-02	-2.92	1.67E-02	1.29	5.80E-01	EGA-1
ENSMMUG00000023446	TFIP11	Tuftelin Interacting Protein 11	8.03	65.63	14.52	8.57	2.93	8.93E-06	-2.05	2.84E-03	-0.84	5.11E-01	EGA-1
ENSMMUG0000002368	CCND1	Cyclin D1	1.68	13.88	0.31	0.11	2.93	3.56E-02	-6.70	1.72E-07	1.26	6.65E-01	EGA-1
ENSMMUG00000011391	YTHDF2	YTH N6-methyladenosine RNA Binding Protein 2	2.90	24.10	10.87	14.83	2.91	2.62E-06	-1.48	2.79E-02	1.14	2.61E-01	EGA-1
ENSMMUG00000009049	CFAP53	Cilia And Flagella Associated Protein 53	0.77	5.41	1.59	0.59	2.89	4.04E-02	-4.28	1.35E-03	0.80	8.10E-01	EGA-1
ENSMMUG00000041693	LCLAT1	Lysocardiolipin Acyltransferase 1	3.48	20.08	9.53	19.48	2.89	8.86E-10	-1.55	1.99E-03	1.36	4.06E-02	EGA-2
ENSMMUG00000021760	ZNF79	Zinc Finger Protein 79	1.01	6.12	0.73	0.78	2.88	2.91E-03	-3.73	6.52E-05	1.17	5.13E-01	EGA-1
ENSMMUG00000029827	CLIC1	Chloride Intracellular Channel 1	2.47	20.44	5.84	30.45	2.83	5.18E-04	-1.85	3.02E-02	2.27	3.45E-02	EGA-2
ENSMMUG00000015047	MEIOC	Meiosis Specific With Coiled-coil Domain	1.24	4.54	0.73	0.71	2.82	1.99E-02	-4.23	2.39E-04	1.68	4.18E-01	EGA-1
ENSMMUG00000019932	IRAK2	Interleukin 1 Receptor Associated Kinase 2	0.36	3.00	1.47	0.21	2.81	1.37E-02	-3.87	4.05E-04	0.56	8.50E-01	EGA-1
ENSMMUG00000015217			6.28	41.38	12.61	12.06	2.81	1.64E-03	-2.77	1.92E-03	0.20	9.49E-01	EGA-1
ENSMMUG00000021315	MOCS1	Molybdenum Cofactor Synthesis 1	0.35	1.53	0.14	0.12	2.76	3.13E-02	-3.59	4.80E-03	-2.43	2.56E-01	EGA-1
ENSMMUG00000000387	FRMD4B	FERM Domain Containing 4B	3.68	18.44	4.26	2.60	2.76	4.62E-05	-3.05	6.06E-06	-0.29	8.85E-01	EGA-1
ENSMMUG00000019245			0.59	9.09	1.02	1.25	2.75	2.48E-02	-2.53	3.92E-02	2.45	1.67E-01	EGA-1
ENSMMUG00000021324	ARL4D	ADP Ribosylation Factor Like GTPase 4D	3.03	20.67	3.50	0.56	2.75	8.85E-03	-3.76	1.97E-04	-2.27	1.34E-01	EGA-1
ENSMMUG00000009677	MED16	Mediator Complex Subunit 16	1.97	8.28	2.98	4.19	2.73	1.01E-02	-2.25	3.71E-02	0.60	8.13E-01	EGA-1
ENSMMUG00000021945	EPS8L1	EPS8 Like 1	0.30	6.65	0.42	1.08	2.67	2.69E-02	-3.87	1.01E-03	0.42	9.03E-01	EGA-1
ENSMMUG00000005204	VPS16	VPS16, CORVET/HOPS Core Subunit	4.33	17.14	2.72	7.99	2.65	3.46E-02	-2.70	2.78E-02	1.64	4.31E-01	EGA-1
ENSMMUG00000041753	ZNF528	Zinc Finger Protein 528	1.52	8.43	4.05	1.56	2.63	5.52E-05	-1.43	4.32E-02	-1.29	2.09E-01	EGA-1
ENSMMUG00000002810	TOX2	TOX High Mobility Group Box Family Member 2	14.68	77.95	2.77	0.58	2.59	1.67E-02	-5.02	4.55E-07	-1.10	5.94E-01	EGA-1
ENSMMUG00000021284	DBR1	Debranching RNA Lariats 1	3.58	30.70	7.94	4.33	2.57	9.08E-06	-1.96	1.03E-03	-0.49	7.15E-01	EGA-1
ENSMMUG00000008637	WRAP53	WD Repeat Containing Antisense To TP53	2.37	12.53	3.21	2.64	2.57	4.99E-03	-2.92	1.20E-03	0.94	6.05E-01	EGA-1
ENSMMUG00000021891	KLC3	Kinesin Light Chain 3	0.68	5.47	0.61	1.98	2.56	4.00E-02	-2.90	1.69E-02	2.39	1.82E-01	EGA-1
ENSMMUG00000044452			0.74	8.55	0.92	0.83	2.54	3.27E-02	-3.39	2.88E-03	2.27	1.94E-01	EGA-1
ENSMMUG00000003029	PRMT1	Protein Arginine Methyltransferase 1	3.71	16.54	4.60	7.01	2.50	1.98E-03	-2.34	3.86E-03	0.64	7.26E-01	EGA-1
ENSMMUG00000001768	ZNF616	Zinc Finger Protein 616	1.63	9.55	0.59	0.19	2.50	2.02E-02	-3.89	1.30E-04	-1.22	5.44E-01	EGA-1
ENSMMUG00000022767	EEF2	Eukaryotic Translation Elongation Factor 2	43.69	203.86	109.75	95.98	2.47	2.53E-12	-1.09	4.34E-03	-0.44	5.35E-01	EGA-1
ENSMMUG00000045137	PCGF2	Polycomb Group Ring Finger 2	7.75	38.65	3.18	2.60	2.47	6.98E-03	-4.82	1.52E-08	1.34	3.77E-01	EGA-1

ENSMMUG00000021998	MAML3	Mastermind Like Transcriptional Coactivator 3	1.52	4.54	2.28	6.33	2.45	4.30E-02	-2.41	4.33E-02	2.34	1.64E-01	EGA-1
ENSMMUG00000003111	CDC37	Cell Division Cycle 37	11.61	84.55	54.66	25.35	2.43	9.26E-06	-1.20	4.51E-02	-0.09	9.68E-01	EGA-1
ENSMMUG00000018945	CLNS1A	Chloride Nucleotide-sensitive Channel 1A	10.65	50.35	22.61	28.03	2.41	1.71E-03	-1.67	3.67E-02	0.28	9.00E-01	EGA-1
ENSMMUG00000021673	ZFP28	ZFP28 Zinc Finger Protein	2.39	14.70	4.72	0.61	2.39	4.49E-02	-4.39	5.66E-05	-0.68	8.05E-01	EGA-1
ENSMMUG00000002970	RSRP1	Arginine And Serine Rich Protein 1	6.29	35.51	9.12	9.51	2.39	3.19E-04	-2.12	1.66E-03	0.10	9.69E-01	EGA-1
ENSMMUG00000010838	ZNF473	Zinc Finger Protein 473	5.86	30.03	7.04	4.10	2.38	1.89E-04	-2.62	3.29E-05	-0.27	8.81E-01	EGA-1
ENSMMUG00000001436	LOC720381	Zinc Finger Protein 665-like	4.18	15.78	5.74	1.75	2.37	1.11E-02	-2.40	9.46E-03	-0.50	8.29E-01	EGA-1
ENSMMUG00000040919			7.64	38.43	9.54	1.22	2.37	1.69E-02	-2.46	1.24E-02	-2.22	1.16E-01	EGA-1
ENSMMUG00000003611	LDLR	Low Density Lipoprotein Receptor	1.05	3.54	0.79	3.38	2.36	2.44E-02	-3.07	2.27E-03	2.47	7.13E-02	EGA-1
ENSMMUG00000042545			12.88	56.38	31.45	33.91	2.30	1.37E-05	-1.15	4.65E-02	-0.44	7.24E-01	EGA-1
ENSMMUG00000042014	LOC697721	Histone H4	#####	#####	347.97	111.86	2.29	2.44E-04	-2.43	8.88E-05	-1.81	2.67E-02	EGA-3
ENSMMUG00000008376	KIAA1217	KIAA1217 Ortholog	0.33	0.69	0.30	4.99	2.27	9.03E-03	-3.96	3.03E-06	6.43	7.46E-14	EGA-2
ENSMMUG00000007900	SCNM1	Sodium Channel Modifier 1	13.22	78.19	29.06	12.16	2.27	1.39E-03	-1.73	1.74E-02	-0.70	6.27E-01	EGA-1
ENSMMUG00000004645	C5H4orf46	Chromosome 5 Open Reading Frame, Human C4orf46	1.98	6.64	2.53	4.32	2.23	1.02E-02	-2.07	1.74E-02	0.84	6.23E-01	EGA-1
ENSMMUG00000014163	TICAM1	Toll Like Receptor Adaptor Molecule 1	4.68	21.33	3.28	2.79	2.18	3.92E-02	-4.38	5.72E-06	1.96	1.90E-01	EGA-1
ENSMMUG00000008133	SLC17A5	Solute Carrier Family 17 Member 5	0.29	1.36	0.55	1.68	2.15	1.14E-02	-2.13	1.26E-02	2.08	6.54E-02	EGA-1
ENSMMUG00000008418	DNALI1	Dynein Axonemal Light Intermediate Chain 1	1.28	7.21	0.60	0.38	2.14	1.98E-02	-3.44	7.49E-05	-0.86	6.47E-01	EGA-1
ENSMMUG00000018286			3.94	17.51	4.32	0.49	2.10	4.68E-02	-2.11	4.34E-02	-1.81	2.57E-01	EGA-1
ENSMMUG00000015285			21.75	132.32	25.94	16.23	2.05	4.96E-03	-2.13	3.24E-03	-0.03	9.92E-01	EGA-1
ENSMMUG00000041916	SNIP1	Smad Nuclear Interacting Protein 1	3.45	14.72	6.17	4.00	2.02	8.45E-04	-1.88	1.96E-03	0.47	7.32E-01	EGA-1
ENSMMUG00000022979	TPT1	Tumor Protein, Translationally-controlled 1	#####	#####	#####	1362.00	2.00	6.76E-11	-0.83	1.29E-02	-0.21	7.91E-01	EGA-1
ENSMMUG00000001321	SEPT9	Septin 9	1.62	6.88	2.29	13.50	1.99	4.53E-02	-3.67	5.52E-05	4.96	6.68E-07	EGA-2
ENSMMUG00000021678			16.95	73.64	18.07	3.11	1.96	1.38E-03	-2.58	1.37E-05	-2.21	2.38E-03	EGA-3
ENSMMUG00000001192	LMNB2	Lamin B2	8.85	33.98	7.97	12.65	1.93	2.80E-02	-2.31	5.94E-03	1.07	4.75E-01	EGA-1
ENSMMUG00000000314	RAPH1	Ras Association (RalGDS/AF-6) And Pleckstrin Homology Domains 1	8.89	33.61	15.51	7.86	1.87	7.29E-05	-1.50	1.99E-03	-0.42	6.89E-01	EGA-1
ENSMMUG00000010122	CSNK1E	Casein Kinase 1, Epsilon	17.03	66.02	9.79	6.45	1.85	2.29E-02	-3.44	3.97E-06	0.71	6.62E-01	EGA-1
ENSMMUG00000021026			57.41	237.32	100.01	68.10	1.84	8.93E-06	-1.54	2.68E-04	-0.17	8.95E-01	EGA-1
ENSMMUG00000003390	PRR11	Proline Rich 11	4.98	15.45	7.19	6.80	1.81	2.46E-04	-1.37	7.09E-03	0.39	7.29E-01	EGA-1
ENSMMUG00000018069	DCAF16	DDB1 And CUL4 Associated Factor 16	5.00	12.07	4.60	3.98	1.81	2.27E-03	-2.20	1.37E-04	0.09	9.69E-01	EGA-1
ENSMMUG00000040506	LOC107000817	Histone H2B Type 2-F-like	#####	299.88	100.98	112.74	1.78	4.23E-02	-1.90	2.65E-02	-0.70	6.98E-01	EGA-1
ENSMMUG00000013514	KMT5A	Lysine Methyltransferase 5A	13.89	59.63	21.16	21.40	1.77	3.00E-03	-1.78	2.70E-03	0.77	4.73E-01	EGA-1
ENSMMUG00000000869			14.36	51.43	22.29	22.32	1.75	2.11E-02	-1.59	3.72E-02	0.54	7.49E-01	EGA-1
ENSMMUG00000019995	AKT3	AKT Serine/threonine Kinase 3	35.35	113.90	53.03	12.28	1.74	6.14E-04	-1.60	1.70E-03	-1.45	2.86E-02	EGA-3

ENSMMUG00000012965	EYA3	EYA Transcriptional Coactivator And Phosphatase 3	10.58	32.07	12.38	6.95	1.73	5.22E-07	-2.06	1.97E-09	-0.25	7.75E-01	EGA-1
ENSMMUG00000004762	WDTC1	WD And Tetratricopeptide Repeats 1	16.44	54.18	11.17	8.91	1.72	6.37E-03	-2.18	3.13E-04	-0.83	4.46E-01	EGA-1
ENSMMUG00000008045	AGO2	Argonaute 2, RISC Catalytic Component	12.51	36.81	14.61	9.55	1.71	2.87E-03	-1.61	4.93E-03	-0.56	6.27E-01	EGA-1
ENSMMUG00000000868	SLC30A1	Solute Carrier Family 30 Member 1	10.96	37.00	20.47	24.97	1.65	4.80E-03	-1.19	4.90E-02	0.94	3.12E-01	EGA-1
ENSMMUG00000023075	SLU7	SLU7 Homolog, Splicing Factor	17.43	62.62	25.41	11.65	1.64	6.55E-03	-1.43	1.79E-02	-1.08	2.36E-01	EGA-1
ENSMMUG00000008033	IFRD1	Interferon Related Developmental Regulator 1	13.25	41.14	18.13	6.26	1.63	1.49E-03	-1.08	4.65E-02	-1.69	7.76E-03	EGA-3
ENSMMUG00000016903			#####	407.30	173.63	133.89	1.61	1.07E-02	-1.37	3.15E-02	0.12	9.60E-01	EGA-1
ENSMMUG00000002542	CSTF3	Cleavage Stimulation Factor Subunit 3	12.25	37.55	19.58	29.10	1.60	4.43E-03	-1.37	1.60E-02	1.10	1.85E-01	EGA-1
ENSMMUG00000018256	KPNA2	Karyopherin Subunit Alpha 2	83.39	207.56	100.22	56.05	1.56	2.76E-05	-1.51	5.60E-05	-0.53	4.32E-01	EGA-1
ENSMMUG00000016685	LOC718406	Importin Subunit Alpha-1-like	51.40	124.68	56.91	29.24	1.53	2.47E-04	-1.81	9.94E-06	-0.42	6.22E-01	EGA-1
ENSMMUG00000006363	MAD2L1BP	MAD2L1 Binding Protein	5.41	13.04	4.22	2.40	1.53	4.98E-02	-2.14	3.39E-03	-0.57	7.29E-01	EGA-1
ENSMMUG00000004956	RSRC1	Arginine And Serine Rich Coiled-coil 1	20.63	64.14	21.41	19.75	1.51	8.97E-03	-1.63	3.96E-03	-0.09	9.68E-01	EGA-1
ENSMMUG00000003469	LOC707320	Ubiquitin-conjugating Enzyme E2 C-like	61.64	166.76	55.91	38.37	1.49	2.67E-02	-2.54	4.42E-05	0.34	8.38E-01	EGA-1
ENSMMUG00000021023	UBE2C	Ubiquitin Conjugating Enzyme E2 C	88.54	247.32	84.48	51.89	1.49	1.22E-02	-2.35	2.30E-05	0.11	9.59E-01	EGA-1
ENSMMUG00000000966	TPX2	TPX2, Microtubule Nucleation Factor	23.91	58.99	26.30	20.17	1.45	1.04E-03	-1.51	5.56E-04	0.34	7.36E-01	EGA-1
ENSMMUG00000031435	LOC714349	Ubiquitin-conjugating Enzyme E2 C	#####	338.63	105.15	79.40	1.43	3.67E-02	-2.47	8.24E-05	0.28	8.76E-01	EGA-1
ENSMMUG00000015522	GRAMD1B	GRAM Domain Containing 1B	14.62	41.50	1.24	4.24	1.42	4.48E-02	-6.07	3.74E-23	2.63	7.21E-04	EGA-2
ENSMMUG00000005145			10.82	20.55	9.05	11.23	1.39	2.09E-02	-1.63	4.95E-03	0.66	5.48E-01	EGA-1
ENSMMUG00000049232	AMMECR1L	AMMECR1 Like	6.73	18.65	6.23	5.73	1.38	1.78E-02	-1.39	1.49E-02	-0.43	7.34E-01	EGA-1
ENSMMUG00000022199	PHC3	Polyhomeotic Homolog 3	8.39	24.35	8.78	4.07	1.38	2.82E-02	-1.49	1.46E-02	-0.93	3.46E-01	EGA-1
ENSMMUG00000010107	DOT1L	DOT1 Like Histone Lysine Methyltransferase	13.34	27.73	14.94	11.79	1.36	1.14E-03	-1.22	3.92E-03	-0.64	3.58E-01	EGA-1
ENSMMUG00000008139	HNRNPUL1	Heterogeneous Nuclear Ribonucleoprotein U Like 1	59.04	142.35	55.79	39.28	1.33	9.70E-03	-1.80	2.33E-04	-0.15	9.22E-01	EGA-1
ENSMMUG00000003921	KIAA1191	KIAA1191 Ortholog	75.89	218.46	54.15	8.04	1.31	3.67E-02	-2.97	1.62E-07	-1.84	1.31E-02	EGA-3
ENSMMUG00000030170	TMEM209	Transmembrane Protein 209	28.09	79.31	34.28	24.00	1.29	1.09E-03	-0.94	2.17E-02	-0.86	1.34E-01	EGA-1
ENSMMUG00000011523	TAF5	TATA-box Binding Protein Associated Factor 5	5.26	16.11	5.80	2.72	1.27	3.47E-02	-1.60	5.21E-03	-0.79	4.31E-01	EGA-1
ENSMMUG00000044817	NUP62	Nucleoporin 62	54.43	128.61	42.57	24.84	1.23	2.10E-02	-1.61	1.50E-03	-1.15	1.10E-01	EGA-1
ENSMMUG00000021478	RIOK3	RIO Kinase 3	44.92	92.11	25.22	15.18	1.20	4.44E-02	-2.40	9.62E-06	-0.41	7.56E-01	EGA-1
ENSMMUG00000003164	GATAD2A	GATA Zinc Finger Domain Containing 2A	47.76	115.98	47.54	39.30	1.17	1.11E-02	-1.44	1.19E-03	0.14	9.20E-01	EGA-1

ENSMMUG00000031224	CSNK2A1	Casein Kinase 2 Alpha 1	60.13	127.65	50.40	34.01	1.11	3.27E-02	-1.66	6.74E-04	-0.59	5.16E-01	EGA-1
ENSMMUG00000008155	POU2F1	POU Class 2 Homeobox 1	10.52	23.28	13.84	17.37	1.10	4.10E-03	-0.82	3.79E-02	0.07	9.59E-01	EGA-1
ENSMMUG00000028781	ZNF850	Zinc Finger Protein 850	21.41	47.43	25.58	27.34	1.09	1.26E-02	-1.09	1.18E-02	0.18	8.74E-01	EGA-1
ENSMMUG00000008149	ILF2	Interleukin Enhancer Binding Factor 2	52.46	111.30	55.51	59.75	1.08	4.21E-02	-1.04	4.77E-02	0.35	7.66E-01	EGA-1
ENSMMUG00000045683			10.80	20.70	12.94	7.81	1.07	4.45E-02	-1.10	3.83E-02	-0.51	6.26E-01	EGA-1
ENSMMUG00000022606	SF1	Splicing Factor 1	15.39	28.29	18.20	19.94	1.07	1.42E-02	-0.92	3.54E-02	0.27	7.96E-01	EGA-1
ENSMMUG00000005352	USP36	Ubiquitin Specific Peptidase 36	16.26	33.67	10.94	5.59	1.06	4.68E-02	-2.11	1.28E-05	-0.70	4.26E-01	EGA-1
ENSMMUG00000008827	API5	Apoptosis Inhibitor 5	54.82	126.12	60.06	39.42	1.04	4.33E-04	-1.16	6.40E-05	-0.16	8.37E-01	EGA-1
ENSMMUG00000018954	RBM42	RNA Binding Motif Protein 42	9.15	18.17	10.07	10.38	1.02	1.12E-02	-0.97	1.52E-02	-0.11	9.32E-01	EGA-1
ENSMMUG00000005684	TNPO2	Transportin 2	12.96	29.84	13.15	9.99	0.99	1.24E-02	-1.53	3.79E-05	0.11	9.23E-01	EGA-1
ENSMMUG00000013664	PPP1CC	Protein Phosphatase 1 Catalytic Subunit Gamma	95.17	162.32	98.34	48.19	0.96	2.81E-02	-1.21	3.58E-03	-0.21	8.48E-01	EGA-1
ENSMMUG00000011769	PSMD1	Proteasome 26S Subunit, Non-ATPase 1	34.16	66.35	41.26	52.21	0.94	7.23E-04	-0.66	2.28E-02	0.52	2.31E-01	EGA-1
ENSMMUG00000020285	RAD21	RAD21 Cohesin Complex Component	70.50	122.38	86.07	65.58	0.82	1.94E-02	-0.77	2.68E-02	-0.32	6.45E-01	EGA-1
ENSMMUG00000009788	TUBA1A	Tubulin Alpha 1a	#####	337.58	169.33	129.27	0.78	4.76E-02	-0.93	1.40E-02	-0.32	6.92E-01	EGA-1
ENSMMUG00000009987	GON4L	Gon-4 Like	25.04	38.13	16.60	11.54	0.73	1.75E-02	-1.06	2.63E-04	-0.74	6.72E-02	EGA-1
ENSMMUG00000018075	LOC719288	GON-4-like Protein	86.85	141.61	55.34	34.30	0.72	4.10E-02	-1.24	1.27E-04	-0.65	1.90E-01	EGA-1

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.