

Table S5 - EGA3 super-group DEGs

Ensembl ID	Symbol	GeneName	FPKM ^a				MII:8-Cell		8-Cell:Morula		Morula:Blast		Sub-Group
			MII	8Cell	Morula	Exp. Blast	L2FC ^b	FDR ^c	L2FC	FDR	L2FC	FDR	
ENSMMUG0000000838	AGRN	Agrin	0.14	0.21	2.73	5.47	-0.47	8.12E-01	3.73	5.91E-03	-0.01	9.99E-01	EGA3-1
ENSMMUG00000013280	VWA1	Von Willebrand Factor A Domain Containing 1	0.11	0.27	1.89	3.17	-1.20	5.12E-01	4.00	5.12E-03	1.01	7.58E-01	EGA3-1
ENSMMUG00000038836	SMIM1	Small Integral Membrane Protein 1 (Vel Blood Group)	0.32	0.32	5.19	11.07	-1.07	5.75E-01	4.51	2.27E-03	0.06	9.92E-01	EGA3-1
ENSMMUG00000038181	PARK7	Parkinsonism Associated Deglycase	5.92	4.36	8.67	10.65	-0.87	2.03E-01	1.36	2.84E-02	0.49	7.10E-01	EGA3-1
ENSMMUG00000005863	NMNAT1	Nicotinamide Nucleotide Adenylyltransferase 1	0.05	0.32	1.49	1.64	1.63	3.08E-01	3.99	2.27E-03	0.27	9.53E-01	EGA3-1
ENSMMUG00000016296	UBE4B	Ubiquitination Factor E4B	8.99	5.77	13.03	14.92	-0.80	2.34E-01	1.43	1.70E-02	-0.17	9.25E-01	EGA3-1
ENSMMUG00000040221			1.03	0.71	1.48	1.46	-1.59	7.85E-02	1.88	2.97E-02	-0.65	7.32E-01	EGA3-1
ENSMMUG00000007459			0.08	0.21	1.86	2.50	0.96	5.38E-01	2.99	1.54E-02	2.15	2.51E-01	EGA3-1
ENSMMUG00000007829	CLCN6	Chloride Voltage-gated Channel 6	0.48	0.59	2.39	2.45	-0.25	8.82E-01	2.33	3.73E-02	0.23	9.51E-01	EGA3-1
ENSMMUG00000006669	UBR4	Ubiquitin Protein Ligase E3 Component N-recognin 4	6.99	6.11	13.75	14.77	-0.11	9.05E-01	1.52	1.15E-02	-0.15	9.42E-01	EGA3-1
ENSMMUG00000006891	LOC715583	Aflatoxin B1 Aldehyde Reductase Member 4	0.45	0.26	1.49	0.65	-1.71	2.13E-01	3.65	2.36E-03	-1.12	6.58E-01	EGA3-1
ENSMMUG00000008835	LOC698013	Serine/threonine-protein Kinase PINK1, Mitochondrial	3.88	1.76	17.72	27.05	-0.93	3.13E-01	3.35	8.52E-06	0.77	6.25E-01	EGA3-1
ENSMMUG00000004149	EIF4G3	Eukaryotic Translation Initiation Factor 4 Gamma 3	10.94	12.05	27.38	30.90	0.37	5.43E-01	1.28	7.74E-03	0.03	9.87E-01	EGA3-1
ENSMMUG00000017344	USP48	Ubiquitin Specific Peptidase 48	17.99	20.78	31.61	29.42	0.03	9.73E-01	1.17	4.40E-02	-0.34	8.03E-01	EGA3-1
ENSMMUG00000042211			2.42	7.29	28.24	23.97	1.39	1.08E-01	2.04	9.44E-03	-0.32	8.88E-01	EGA3-1
ENSMMUG00000040714			0.01	0.32	4.08	14.68	2.89	7.51E-02	5.06	4.34E-05	1.06	6.92E-01	EGA3-1
ENSMMUG00000043260	ADPRHL2	ADP-ribosylhydrolase Like 2	0.05	0.19	0.60	0.99	1.62	3.94E-01	3.17	4.97E-02	-0.31	9.54E-01	EGA3-1
ENSMMUG00000022499	TRAPPC3	Trafficking Protein Particle Complex 3	0.66	2.90	19.39	8.57	1.79	7.38E-02	3.53	8.36E-05	-0.99	5.87E-01	EGA3-1
ENSMMUG00000020433	MRPS15	Mitochondrial Ribosomal Protein S15	18.57	45.41	96.68	86.01	1.07	9.15E-02	1.73	2.87E-03	-1.02	2.62E-01	EGA3-1
ENSMMUG00000021561	NDUF55	NADH:ubiquinone Oxidoreductase Subunit S5	8.58	16.44	43.91	65.34	0.53	4.97E-01	1.91	2.29E-03	0.66	5.97E-01	EGA3-1
ENSMMUG00000009562	MACF1	Microtubule-actin Crosslinking Factor 1	4.17	4.41	7.57	10.18	-0.05	9.57E-01	1.25	3.23E-02	-0.27	8.54E-01	EGA3-1
ENSMMUG00000015158	SLC6A9	Solute Carrier Family 6 Member 9	0.28	0.32	1.92	0.72	-1.56	4.26E-01	3.42	3.85E-02	1.57	6.20E-01	EGA3-1
ENSMMUG00000005342	EIF2B3	Eukaryotic Translation Initiation Factor 2B Subunit Gamma	4.20	5.95	16.77	14.97	-0.42	7.24E-01	2.46	4.07E-03	1.02	5.21E-01	EGA3-1
ENSMMUG00000010773	LOC693506	NADH Dehydrogenase [ubiquinone] Iron-sulfur Protein 5	4.76	7.45	19.59	27.70	0.33	7.75E-01	1.84	2.96E-02	0.62	7.42E-01	EGA3-1
ENSMMUG00000004204	UQCRH	Ubiquinol-cytochrome C Reductase Hinge Protein	0.97	3.67	14.37	23.44	1.39	1.80E-01	1.90	4.32E-02	2.34	5.33E-02	EGA3-1
ENSMMUG00000032145			0.68	0.14	5.16	9.85	-4.24	6.12E-02	6.82	1.09E-03	1.47	7.57E-01	EGA3-1
ENSMMUG00000044018			0.44	0.40	3.06	8.08	-3.10	6.77E-02	5.29	6.60E-04	0.12	9.82E-01	EGA3-1
ENSMMUG00000001434	ZYG11B	Zyg-11 Family Member B, Cell Cycle Regulator	1.03	0.94	7.37	4.24	-0.69	6.89E-01	3.92	1.81E-03	-1.44	5.50E-01	EGA3-1
ENSMMUG00000007606	CPT2	Carnitine Palmitoyltransferase 2	0.72	0.30	3.24	2.02	-1.61	3.00E-01	3.53	8.11E-03	0.18	9.72E-01	EGA3-1
ENSMMUG00000005740	USP24	Ubiquitin Specific Peptidase 24	10.36	8.60	13.98	16.73	-0.49	3.88E-01	1.01	3.86E-02	0.10	9.52E-01	EGA3-1

ENSMMUG00000002200	PLPP3	Phospholipid Phosphatase 3	0.07	0.13	1.40	2.71	2.81	1.19E-01	3.48	2.14E-02	0.13	9.81E-01	EGA3-1
ENSMMUG00000003113	PATJ	PATJ, Crumbs Cell Polarity Complex Component	2.44	2.48	9.45	15.57	-0.53	6.70E-01	2.84	1.81E-03	-0.81	6.80E-01	EGA3-1
ENSMMUG000000010351			0.07	0.04	0.84	5.09	-2.31	1.14E-01	5.90	4.03E-06	0.55	8.78E-01	EGA3-1
ENSMMUG000000018263			0.01	0.11	2.15	1.54	2.77	2.06E-01	5.34	2.32E-03	-2.66	3.80E-01	EGA3-1
ENSMMUG000000021441	AGL	Amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase	1.05	1.26	3.63	3.56	0.13	9.18E-01	1.79	2.94E-02	-0.05	9.86E-01	EGA3-1
ENSMMUG000000015083			0.29	1.13	30.46	214.62	1.25	2.69E-01	4.66	2.71E-07	2.33	6.89E-02	EGA3-1
ENSMMUG00000000811	CD53	CD53 Molecule	0.02	0.19	9.31	28.51	2.41	1.17E-01	6.71	1.44E-08	1.63	4.68E-01	EGA3-1
ENSMMUG000000002463	DRAM2	DNA Damage Regulated Autophagy Modulator 2	9.23	8.01	18.37	12.89	-0.71	3.70E-01	1.85	5.09E-03	-0.33	8.46E-01	EGA3-1
ENSMMUG000000029348	LOC693577	26S Protease Regulatory Subunit 10B	4.31	4.05	13.81	17.41	-0.46	6.39E-01	2.18	3.38E-03	0.51	7.71E-01	EGA3-1
ENSMMUG000000000476	FMO5	Flavin Containing Monooxygenase 5	1.38	1.54	9.79	4.32	-0.53	7.52E-01	2.88	1.96E-02	0.86	7.58E-01	EGA3-1
ENSMMUG000000009024	CHD1L	Chromodomain Helicase DNA Binding Protein 1 Like	1.77	1.47	6.28	3.23	-0.26	8.26E-01	1.72	4.28E-02	-0.04	9.91E-01	EGA3-1
ENSMMUG000000008218	ADAMTSL4	ADAMTS Like 4	0.06	0.33	2.37	1.50	-0.65	8.12E-01	4.54	1.47E-02	-4.36	7.60E-02	EGA3-1
ENSMMUG000000013166	ZNF687	Zinc Finger Protein 687	0.20	0.84	3.77	3.15	0.78	6.06E-01	2.50	3.92E-02	0.61	8.37E-01	EGA3-1
ENSMMUG000000009094	MRPL9	Mitochondrial Ribosomal Protein L9	20.40	30.22	84.23	75.09	0.24	7.41E-01	2.17	1.92E-05	-0.55	5.97E-01	EGA3-1
ENSMMUG000000004441	S100A11	S100 Calcium Binding Protein A11	81.95	69.51	284.39	201.08	0.41	6.63E-01	1.69	1.89E-02	1.31	2.18E-01	EGA3-1
ENSMMUG000000005007	SLC39A1	Solute Carrier Family 39 Member 1	2.31	4.31	19.54	22.98	0.18	8.97E-01	2.63	2.16E-03	1.02	5.22E-01	EGA3-1
ENSMMUG000000023364	ATP8B2	ATPase Phospholipid Transporting 8B2	0.13	0.46	4.22	5.33	0.55	7.27E-01	4.66	2.19E-05	0.00	9.99E-01	EGA3-1
ENSMMUG000000008506	MTX1	Metaxin 1	0.51	0.66	2.64	3.46	-1.26	4.11E-01	3.37	7.78E-03	1.51	5.11E-01	EGA3-1
ENSMMUG000000008507	GBA	Glucosylceramidase Beta	1.23	0.38	2.30	6.91	-2.04	1.22E-01	4.30	2.26E-04	0.93	7.25E-01	EGA3-1
ENSMMUG000000018080	DAP3	Death Associated Protein 3	4.98	10.66	19.41	21.55	1.03	8.91E-02	1.32	1.97E-02	-0.07	9.74E-01	EGA3-1
ENSMMUG000000040660	HDGF	Heparin Binding Growth Factor	7.95	4.82	19.30	21.54	-0.31	7.65E-01	1.89	1.04E-02	0.31	8.75E-01	EGA3-1
ENSMMUG000000011342	CFAP45	Cilia And Flagella Associated Protein 45	0.02	0.03	3.14	0.83	0.66	7.75E-01	7.73	1.32E-07	-2.73	2.36E-01	EGA3-1
ENSMMUG000000040609	TAGLN2	Transgelin 2	3.73	1.80	14.82	18.11	-0.67	4.95E-01	2.18	6.01E-03	0.39	8.52E-01	EGA3-1
ENSMMUG000000004520	NDUFS2	NADH:ubiquinone Oxidoreductase Core Subunit S2	5.76	11.17	31.57	32.61	0.75	4.05E-01	1.73	2.45E-02	0.16	9.53E-01	EGA3-1
ENSMMUG000000016206	FCGR3	Fc-gamma RIII	0.09	0.25	1.89	3.28	1.24	4.02E-01	2.81	2.39E-02	2.36	1.94E-01	EGA3-1
ENSMMUG000000041308	HIST3H2A	Histone Cluster 3, H2a	0.02	0.07	1.82	1.44	0.42	9.09E-01	4.64	4.21E-02	-2.92	4.54E-01	EGA3-1
ENSMMUG000000021820	PARP1	Poly(ADP-ribose) Polymerase 1	14.20	11.34	28.86	16.61	-0.19	7.62E-01	1.21	6.00E-03	-0.87	1.77E-01	EGA3-1
ENSMMUG000000007783	IARS2	Isoleucyl-tRNA Synthetase 2, Mitochondrial	5.81	8.47	17.27	25.58	0.12	9.02E-01	1.33	2.97E-02	0.57	6.35E-01	EGA3-1
ENSMMUG000000008722	EPRS	Glutamyl-prolyl-tRNA Synthetase	33.47	22.14	40.16	42.51	-0.55	1.94E-01	1.25	7.00E-04	-0.50	4.46E-01	EGA3-1
ENSMMUG000000014167	LOC106992350	Estrogen-related Receptor Gamma-like	0.04	0.04	0.53	1.04	-0.45	6.99E-01	4.32	6.23E-08	0.71	6.92E-01	EGA3-1
ENSMMUG000000031430	TATDN3	TatD DNase Domain Containing 3	0.72	0.21	1.02	0.31	-2.56	1.10E-01	3.04	4.86E-02	-3.57	7.85E-02	EGA3-1
ENSMMUG000000002141	TMEM206	Transmembrane Protein 206	1.92	1.22	2.19	2.63	-1.70	1.42E-01	2.22	4.16E-02	-1.50	4.02E-01	EGA3-1
ENSMMUG000000019771	PPP2R5A	Protein Phosphatase 2 Regulatory Subunit B'alpha	2.47	3.86	12.54	20.20	0.63	4.72E-01	2.08	3.14E-03	0.19	9.32E-01	EGA3-1
ENSMMUG000000010174	INTS7	Integrator Complex Subunit 7	4.97	4.51	10.45	4.25	0.16	8.48E-01	1.14	4.33E-02	-1.02	2.09E-01	EGA3-1
ENSMMUG000000021591	CTSE	Cathepsin E	0.02	0.01	0.56	2.21	-2.17	3.78E-01	6.42	8.97E-04	4.85	5.71E-02	EGA3-1

ENSMMUG00000031372	SNRPE	Small Nuclear Ribonucleoprotein Polypeptide E	18.19	41.02	86.44	70.91	0.81	3.87E-01	1.62	4.77E-02	-0.09	9.74E-01	EGA3-1
ENSMMUG00000016477			2.77	3.87	14.26	6.72	-0.50	6.92E-01	2.64	4.63E-03	-0.56	8.05E-01	EGA3-1
ENSMMUG00000031357	ARL8A	ADP Ribosylation Factor Like GTPase 8A	0.63	1.07	6.77	8.46	0.43	7.88E-01	2.72	1.53E-02	1.90	2.72E-01	EGA3-1
ENSMMUG00000001929	ELF3	E74 Like ETS Transcription Factor 3	0.01	0.05	4.68	16.33	2.08	8.83E-02	5.96	3.50E-10	1.71	2.78E-01	EGA3-1
ENSMMUG00000009085	C1H1orf27	Protein Odr-4 Homolog	6.15	4.01	11.20	6.09	-1.00	1.57E-01	1.37	3.83E-02	-1.52	8.11E-02	EGA3-1
ENSMMUG00000009081	TPR	Translocated Promoter Region, Nuclear Basket Protein	25.64	37.41	75.92	48.56	0.36	5.26E-01	1.40	1.61E-03	-0.99	1.18E-01	EGA3-1
ENSMMUG00000005634			0.31	0.00	0.50	0.74	-4.95	5.99E-02	7.23	3.20E-03	-0.29	9.74E-01	EGA3-1
ENSMMUG00000012051	ACBD6	Acyl-CoA Binding Domain Containing 6	1.88	7.25	27.24	36.34	1.31	1.61E-01	2.52	2.36E-03	0.63	7.41E-01	EGA3-1
ENSMMUG00000003768	SOAT1	Sterol O-acyltransferase 1	32.21	14.31	110.10	51.98	-1.13	1.21E-01	3.55	1.44E-08	-1.31	1.83E-01	EGA3-1
ENSMMUG000000042908			0.01	0.20	0.96	5.03	3.14	1.25E-01	3.82	3.22E-02	0.24	9.71E-01	EGA3-1
ENSMMUG000000039365			3.09	1.00	11.40	9.03	-1.67	2.67E-01	3.60	5.88E-03	0.22	9.64E-01	EGA3-1
ENSMMUG00000016581	METTL18	Methyltransferase Like 18	5.79	7.85	11.14	7.10	-0.47	7.12E-01	1.92	4.84E-02	-0.54	8.12E-01	EGA3-1
ENSMMUG00000000565	UCK2	Uridine-cytidine Kinase 2	30.19	53.00	93.17	57.86	0.56	3.28E-01	1.17	1.76E-02	-0.71	3.87E-01	EGA3-1
ENSMMUG000000005247	EGLN1	Egl-9 Family Hypoxia Inducible Factor 1	0.65	0.95	4.11	3.23	-0.13	9.05E-01	3.10	4.24E-06	-0.85	5.11E-01	EGA3-1
ENSMMUG00000004566	ZNF124	Zinc Finger Protein 124	0.37	0.48	1.64	2.77	-0.26	8.36E-01	2.31	7.22E-03	2.17	6.01E-02	EGA3-1
ENSMMUG000000039874	ZNF717	Zinc Finger Protein 717	1.13	2.22	9.74	2.87	0.71	6.01E-01	3.12	2.81E-03	-2.33	1.18E-01	EGA3-1
ENSMMUG000000031115			6.45	6.97	80.77	204.45	-0.53	5.22E-01	4.28	1.83E-12	0.99	3.61E-01	EGA3-1
ENSMMUG000000020024	NIT2	Nitrilase Family Member 2	0.90	0.83	6.80	18.83	-0.07	9.71E-01	3.82	1.73E-03	1.08	6.79E-01	EGA3-1
ENSMMUG000000020025	TOMM70	Translocase Of Outer Mitochondrial Membrane 70	19.28	20.28	41.52	26.84	0.09	8.88E-01	1.07	7.27E-03	-0.88	1.18E-01	EGA3-1
ENSMMUG00000017780	TRMT10C	TRNA Methyltransferase 10C, Mitochondrial RNase P Subunit	11.45	13.95	34.40	22.27	-0.33	6.68E-01	1.49	9.91E-03	0.01	9.97E-01	EGA3-1
ENSMMUG00000000696			0.86	0.60	3.64	7.53	-1.92	1.90E-01	3.34	9.94E-03	3.14	6.91E-02	EGA3-1
ENSMMUG000000032033	LOC711695	10 KDa Heat Shock Protein, Mitochondrial Pseudogene	226.11	128.22	1484.19	2291.19	-0.96	1.78E-01	3.66	7.67E-10	0.44	7.69E-01	EGA3-1
ENSMMUG00000001592	NDUFB4	NADH:ubiquinone Oxidoreductase Subunit B4	11.52	21.39	89.55	107.97	0.81	4.16E-01	2.39	3.72E-03	-0.10	9.73E-01	EGA3-1
ENSMMUG00000001045	IQCB1	IQ Motif Containing B1	16.68	23.23	93.39	45.82	-0.69	4.97E-01	2.62	1.06E-03	-0.33	8.88E-01	EGA3-1
ENSMMUG00000007696	PDIA5	Protein Disulfide Isomerase Family A Member 5	2.11	1.02	3.41	4.63	-2.05	7.82E-02	2.32	3.83E-02	0.61	8.19E-01	EGA3-1
ENSMMUG000000032009	UMPS	Uridine Monophosphate Synthetase	6.68	6.01	14.04	15.80	-0.34	6.55E-01	1.52	7.69E-03	-0.56	6.23E-01	EGA3-1
ENSMMUG000000032005	HEG1	Heart Development Protein With EGF Like Domains 1	1.96	2.60	8.20	14.06	-0.75	4.72E-01	2.16	1.11E-02	1.30	3.46E-01	EGA3-1
ENSMMUG00000011613			0.29	0.97	6.09	6.74	0.97	4.62E-01	3.94	7.45E-05	0.06	9.87E-01	EGA3-1
ENSMMUG00000004195			3.65	1.31	9.05	12.21	-1.66	7.92E-02	2.91	7.21E-04	-0.37	8.80E-01	EGA3-1
ENSMMUG00000018321	RPN1	Ribophorin I	7.54	6.58	20.98	21.75	-0.39	6.69E-01	2.24	8.52E-04	-0.67	6.31E-01	EGA3-1
ENSMMUG000000022491			0.43	1.46	8.76	3.65	0.08	9.75E-01	3.34	3.27E-02	-0.94	8.05E-01	EGA3-1
ENSMMUG00000003943	SETD5	SET Domain Containing 5	15.18	25.68	56.84	49.25	0.70	1.80E-01	1.11	1.88E-02	0.22	8.58E-01	EGA3-1
ENSMMUG000000008616			6.83	4.96	15.83	13.88	-1.34	1.92E-01	2.42	8.36E-03	-1.30	4.05E-01	EGA3-1
ENSMMUG000000006229	ACOX2	Acyl-CoA Oxidase 2	0.16	0.02	3.08	6.92	-1.09	6.53E-01	5.13	2.92E-03	2.29	4.31E-01	EGA3-1
ENSMMUG00000000706	FLNB	Filamin B	9.39	8.24	44.51	77.20	-0.39	5.86E-01	2.60	8.78E-07	0.14	9.38E-01	EGA3-1
ENSMMUG00000019267	IL17RB	Interleukin 17 Receptor B	0.25	2.12	4.67	2.59	1.52	3.83E-01	3.04	4.43E-02	-2.26	3.40E-01	EGA3-1
ENSMMUG00000019266	CHDH	Choline Dehydrogenase	0.06	0.31	12.75	13.59	1.69	1.98E-01	5.54	3.05E-07	0.59	8.39E-01	EGA3-1
ENSMMUG00000012511	GNL3	G Protein Nucleolar 3	17.99	44.48	109.55	75.14	0.98	1.53E-01	1.49	1.74E-02	-0.49	7.19E-01	EGA3-1
ENSMMUG000000005452	AMT	Aminomethyltransferase	0.18	1.00	3.85	9.55	1.93	1.95E-01	2.79	4.10E-02	0.06	9.92E-01	EGA3-1
ENSMMUG00000010062	SHISA5	Shisa Family Member 5	13.49	6.64	69.50	191.24	-0.14	9.16E-01	2.47	3.78E-03	1.38	3.19E-01	EGA3-1
ENSMMUG00000010058	ATRIP	ATR Interacting Protein	1.72	1.37	4.54	6.26	-1.33	1.98E-01	2.64	3.86E-03	-0.25	9.32E-01	EGA3-1

ENSMMUG00000021918	GOLGA4	Golgin A4	29.20	29.90	52.33	47.79	-0.02	9.73E-01	0.99	1.46E-02	-0.13	9.15E-01	EGA3-1
ENSMMUG00000047517			2.19	1.33	5.84	4.29	-1.56	2.15E-01	2.69	1.84E-02	0.36	9.14E-01	EGA3-1
ENSMMUG00000009746	NDUFB5	NADH:ubiquinone Oxidoreductase Subunit B5	5.62	5.38	17.73	28.05	-0.41	7.35E-01	1.99	2.52E-02	0.38	8.72E-01	EGA3-1
ENSMMUG00000009744	MRPL47	Mitochondrial Ribosomal Protein L47	4.01	9.41	30.81	21.04	0.79	4.52E-01	2.31	7.75E-03	-0.08	9.81E-01	EGA3-1
ENSMMUG00000004079	MFN1	Mitofusin 1	13.36	9.33	26.85	22.78	-0.60	3.54E-01	1.78	9.65E-04	0.14	9.42E-01	EGA3-1
ENSMMUG00000042887			6.03	5.90	23.74	17.86	-0.23	8.85E-01	2.47	1.74E-02	-0.42	8.82E-01	EGA3-1
ENSMMUG00000042779	LOC106996987	Thioredoxin	32.47	64.65	217.82	221.27	0.07	9.53E-01	2.45	7.85E-04	0.21	9.31E-01	EGA3-1
ENSMMUG00000047426	LOC106996998	Thioredoxin Pseudogene	27.02	54.40	178.82	185.48	0.13	9.12E-01	2.35	1.82E-03	0.26	9.09E-01	EGA3-1
ENSMMUG00000003540	PPM1L	Protein Phosphatase, Mg2+/Mn2+ Dependent 1L	0.05	0.14	1.37	1.77	2.94	1.68E-01	4.31	1.55E-02	0.22	9.74E-01	EGA3-1
ENSMMUG00000023335	RNF13	Ring Finger Protein 13	10.78	9.40	20.54	11.18	-0.48	5.69E-01	1.58	2.05E-02	-0.92	4.26E-01	EGA3-1
ENSMMUG00000009036	ARHGEF26	Rho Guanine Nucleotide Exchange Factor 26	1.19	1.80	2.47	2.74	-1.55	2.03E-01	2.30	4.02E-02	-0.90	7.00E-01	EGA3-1
ENSMMUG00000041053			3.81	7.45	13.93	19.33	0.55	2.96E-01	1.27	4.95E-03	0.33	7.50E-01	EGA3-1
ENSMMUG00000023510	MFSD1	Major Facilitator Superfamily Domain Containing 1	2.48	1.73	4.56	5.78	-0.75	3.34E-01	1.70	1.05E-02	0.79	5.13E-01	EGA3-1
ENSMMUG00000046254	SATB2	SATB Homeobox 2	3.12	3.76	18.96	14.08	0.13	8.94E-01	2.30	6.95E-05	-0.64	5.83E-01	EGA3-1
ENSMMUG00000016547	MOB4	MOB Family Member 4, Phocein	49.06	53.31	335.63	449.23	-0.30	7.50E-01	3.23	6.33E-07	-0.20	9.23E-01	EGA3-1
ENSMMUG00000010489	LOC693438	Heat Shock 60kDa Protein 1 (chaperonin)-like	27.93	43.39	298.29	499.78	0.50	5.13E-01	3.05	1.53E-07	0.60	6.28E-01	EGA3-1
ENSMMUG00000003048	MRPS22	Mitochondrial Ribosomal Protein S22	24.49	29.58	65.07	50.43	-0.13	8.98E-01	1.75	6.88E-03	-0.86	4.50E-01	EGA3-1
ENSMMUG00000008664	FAIM	Fas Apoptotic Inhibitory Molecule	0.10	0.16	1.25	1.40	-0.49	8.58E-01	3.74	4.28E-02	1.70	6.37E-01	EGA3-1
ENSMMUG00000013527			5.27	10.40	23.13	20.10	0.77	3.48E-01	1.72	1.38E-02	-0.99	4.00E-01	EGA3-1
ENSMMUG00000021694			0.46	0.11	12.00	22.95	-1.35	1.64E-01	6.66	1.45E-17	1.31	3.40E-01	EGA3-1
ENSMMUG00000011270	RYK	Receptor-like Tyrosine Kinase	0.78	0.96	4.66	8.75	0.44	7.00E-01	2.43	3.36E-03	1.03	4.92E-01	EGA3-1
ENSMMUG00000047917			16.36	8.79	32.99	32.34	-0.66	4.69E-01	1.83	1.47E-02	0.45	8.03E-01	EGA3-1
ENSMMUG00000023776	TBC1D5	TBC1 Domain Family Member 5	1.13	1.50	9.79	9.97	0.96	3.57E-01	2.42	5.93E-03	0.29	9.12E-01	EGA3-1
ENSMMUG00000014069	PDCD6IP	Programmed Cell Death 6 Interacting Protein	7.37	13.73	25.52	36.24	0.66	1.56E-01	1.14	6.27E-03	0.16	8.93E-01	EGA3-1
ENSMMUG00000014905	ST6GAL1	ST6 Beta-galactoside Alpha-2,6-sialyltransferase 1	0.76	1.22	7.64	2.25	1.31	3.30E-01	3.60	1.35E-03	-1.77	3.43E-01	EGA3-1
ENSMMUG00000005298	MAN2B2	Mannosidase Alpha Class 2B Member 2	0.25	0.50	1.94	1.37	0.13	9.53E-01	2.80	4.59E-02	0.83	8.02E-01	EGA3-1
ENSMMUG00000016999	KIAA0232	KIAA0232 Ortholog	0.85	1.13	4.79	6.71	0.29	8.02E-01	2.16	6.32E-03	0.51	7.89E-01	EGA3-1
ENSMMUG00000022027	BOD1L1	Biorientation Of Chromosomes In Cell Division 1 Like 1	20.83	26.03	41.63	40.58	0.25	6.01E-01	0.85	2.50E-02	-0.01	9.92E-01	EGA3-1
ENSMMUG00000019784	SEPSECS	Sep (O-phosphoserine) TRNA:Sec (selenocysteine) TRNA Synthase	0.70	0.46	1.27	3.20	-1.46	1.49E-01	1.86	4.87E-02	2.31	5.44E-02	EGA3-1
ENSMMUG00000045964			0.10	0.34	4.35	3.08	0.86	7.02E-01	4.96	5.55E-04	0.85	8.13E-01	EGA3-1
ENSMMUG00000001485	TMEM150C	Transmembrane Protein 150C	0.07	0.06	5.75	7.68	1.53	1.46E-01	7.50	1.42E-22	0.00	9.99E-01	EGA3-1
ENSMMUG00000011639	BMP2K	BMP2 Inducible Kinase	28.36	22.14	38.46	26.26	-0.54	3.39E-01	1.04	3.63E-02	-0.52	5.78E-01	EGA3-1
ENSMMUG00000011859			1.41	1.88	9.62	10.30	-0.36	7.72E-01	3.12	1.98E-04	-0.70	7.11E-01	EGA3-1
ENSMMUG00000020919	SHROOM3	Shroom Family Member 3	2.71	1.93	5.69	5.32	-1.31	2.51E-01	2.26	2.62E-02	-1.04	5.89E-01	EGA3-1
ENSMMUG00000017501	NAAA	N-acylethanolamine Acid Amidase	0.09	0.30	1.40	0.73	1.54	4.76E-01	4.25	1.44E-02	-0.68	8.90E-01	EGA3-1

ENSMMUG0000000789	LOC705226	Mitochondrial Inner Membrane Protein COX18	0.08	0.31	1.98	1.87	1.15	3.90E-01	3.62	7.37E-04	0.86	7.27E-01	EGA3-1
ENSMMUG0000004465	RUFY3	RUN And FYVE Domain Containing 3	3.64	3.01	10.18	11.02	-0.89	3.11E-01	2.54	5.24E-04	-0.44	8.12E-01	EGA3-1
ENSMMUG00000019386			0.01	0.58	2.85	2.21	2.91	1.95E-01	4.01	3.15E-02	2.12	5.31E-01	EGA3-1
ENSMMUG0000001918	TMEM165	Transmembrane Protein 165	1.03	2.44	5.26	7.30	-0.29	8.44E-01	2.80	4.63E-03	0.27	9.34E-01	EGA3-1
ENSMMUG00000010113			0.57	0.29	1.83	7.01	-0.25	9.30E-01	3.91	2.56E-02	1.85	5.54E-01	EGA3-1
ENSMMUG00000019041	HSD17B11	Hydroxysteroid 17-beta Dehydrogenase 11	0.32	0.36	3.65	4.29	-0.07	9.73E-01	4.56	2.56E-04	2.85	1.18E-01	EGA3-1
ENSMMUG00000022242	SMARCAD1	SWI/SNF-related, Matrix-associated Actin-dependent Regulator Of Chromatin, Subfamily A, Containing DEAD/H Box 1	9.01	9.33	29.46	20.37	-0.20	7.66E-01	1.90	2.90E-05	-0.19	8.87E-01	EGA3-1
ENSMMUG00000040944			2.86	1.24	3.40	4.86	-2.60	7.41E-02	3.15	2.35E-02	0.87	7.87E-01	EGA3-1
ENSMMUG00000015759	AIMP1	Aminoacyl TRNA Synthetase Complex Interacting Multifunctional Protein 1	5.00	21.80	69.15	60.68	1.59	5.11E-02	1.80	2.15E-02	0.19	9.43E-01	EGA3-1
ENSMMUG00000011902			3.79	4.97	13.91	15.73	-1.32	2.19E-01	2.60	5.76E-03	1.34	4.08E-01	EGA3-1
ENSMMUG00000033109	MIR302D	MicroRNA 302d	0.19	0.00	31.63	58.95	-0.16	9.61E-01	5.32	4.17E-03	3.44	1.89E-01	EGA3-1
ENSMMUG00000008587	CAMK2D	Calcium/calmodulin Dependent Protein Kinase II Delta	0.09	0.23	0.94	4.77	-2.37	1.16E-01	5.45	3.11E-05	2.57	1.90E-01	EGA3-1
ENSMMUG00000003320	PLK4	Polo Like Kinase 4	1.32	1.91	18.10	10.20	-0.41	7.36E-01	3.82	6.32E-06	0.29	9.10E-01	EGA3-1
ENSMMUG00000040747	C5H4orf33	Chromosome 5 Open Reading Frame, Human C4orf33	6.63	10.81	20.70	13.96	0.74	6.01E-02	0.88	1.97E-02	-0.36	6.23E-01	EGA3-1
ENSMMUG00000007216			1.87	3.12	15.91	25.97	0.23	8.06E-01	2.86	3.46E-06	0.60	6.53E-01	EGA3-1
ENSMMUG00000004433	ABCE1	ATP Binding Cassette Subfamily E Member 1	27.71	25.46	46.65	45.27	-0.50	5.04E-01	1.26	4.30E-02	-0.21	9.06E-01	EGA3-1
ENSMMUG00000042788	LOC703336	Guanine Nucleotide-binding Protein G(I)/G(S)/G(O) Subunit Gamma-5	11.39	9.22	14.81	19.34	-1.07	1.42E-01	1.48	3.15E-02	-0.16	9.47E-01	EGA3-1
ENSMMUG00000010581	RAPGEF2	Rap Guanine Nucleotide Exchange Factor 2	5.38	3.00	8.95	11.81	-0.82	2.60E-01	1.40	3.23E-02	0.82	4.70E-01	EGA3-1
ENSMMUG00000012701	SH3RF1	SH3 Domain Containing Ring Finger 1	1.26	0.76	7.48	1.80	-1.09	3.58E-01	2.89	3.62E-03	-1.42	4.08E-01	EGA3-1
ENSMMUG00000015748	WWC2	WW And C2 Domain Containing 2	15.09	12.99	33.99	13.10	-0.70	4.71E-01	1.77	3.05E-02	-1.00	4.81E-01	EGA3-1
ENSMMUG00000030008	CLDN22	Claudin 22	0.10	0.10	4.21	1.73	-0.83	7.51E-01	4.54	1.46E-02	0.31	9.64E-01	EGA3-1
ENSMMUG00000008880			1.12	0.76	1.03	1.68	-2.42	8.49E-02	2.82	3.85E-02	0.08	9.87E-01	EGA3-1
ENSMMUG00000005272	C3H21orf33	Chromosome 3 Open Reading Frame, Human C21orf33	1.15	2.57	10.62	12.27	-1.20	3.48E-01	4.88	1.78E-06	0.14	9.72E-01	EGA3-1
ENSMMUG00000006075	HMG1	High Mobility Group Nucleosome Binding Domain 1	88.63	56.15	199.22	177.98	-0.68	3.23E-01	2.12	1.97E-04	-0.57	6.31E-01	EGA3-1
ENSMMUG00000015504	ATP5O	ATP Synthase, H+ Transporting, Mitochondrial F1 Complex, O Subunit	15.21	6.80	64.88	78.31	-0.90	2.64E-01	3.38	3.40E-07	0.17	9.43E-01	EGA3-1
ENSMMUG00000003701	DONSON	Downstream Neighbor Of SON	6.67	2.84	9.47	10.13	-1.28	1.56E-01	1.95	1.79E-02	-0.66	7.07E-01	EGA3-1
ENSMMUG00000017605	MRPL39	Mitochondrial Ribosomal Protein L39	0.04	0.01	5.74	0.61	-1.16	7.20E-01	7.01	1.87E-03	-1.51	7.71E-01	EGA3-1
ENSMMUG00000044086			0.10	0.16	1.20	3.80	-1.11	5.99E-01	4.51	4.80E-03	0.43	9.25E-01	EGA3-1
ENSMMUG00000009917	MDH2	Malate Dehydrogenase 2	5.76	9.15	41.32	44.37	0.89	2.25E-01	2.57	3.27E-05	-0.29	8.68E-01	EGA3-1
ENSMMUG00000044653	CLDN4	Claudin 4	0.03	0.07	20.11	54.36	1.46	4.84E-01	4.83	1.56E-03	2.99	1.73E-01	EGA3-1

ENSMMUG00000015272	CCT6A	Chaperonin Containing TCP1 Subunit 6A	16.20	38.17	64.84	58.44	0.79	7.33E-02	1.09	8.43E-03	0.09	9.51E-01	EGA3-1
ENSMMUG00000019992	GRB10	Growth Factor Receptor Bound Protein 10	5.96	4.72	13.57	20.60	-0.42	4.77E-01	1.65	4.19E-04	0.40	6.96E-01	EGA3-1
ENSMMUG00000019393	TNS3	Tensin 3	0.94	0.99	5.16	7.35	0.03	9.85E-01	2.45	7.29E-03	0.55	8.06E-01	EGA3-1
ENSMMUG0000002426	MYL7	Myosin Light Chain 7	0.02	0.00	2.92	1.67	-2.79	2.50E-01	4.88	2.36E-02	2.32	5.23E-01	EGA3-1
ENSMMUG0000002411	DBNL	Drebrin Like	1.19	1.28	5.81	5.24	-0.37	8.30E-01	2.76	2.15E-02	-0.06	9.91E-01	EGA3-1
ENSMMUG00000040669	LOC693813	NADH Dehydrogenase [ubiquinone] 1 Beta Subcomplex Subunit 8, Mitochondrial Pseudogene	2.91	1.01	12.84	15.62	-1.67	1.51E-01	3.58	3.86E-04	1.78	2.66E-01	EGA3-1
ENSMMUG00000023230	SNX10	Sorting Nexin 10	0.24	0.38	1.09	1.41	0.00	1.00E+00	2.96	2.16E-02	-0.10	9.84E-01	EGA3-1
ENSMMUG00000019983	IL6	Interleukin 6	0.02	0.22	14.41	5.87	-0.13	9.57E-01	7.16	1.68E-07	0.17	9.74E-01	EGA3-1
ENSMMUG0000002987	RAPGEF5	Rap Guanine Nucleotide Exchange Factor 5	0.21	0.49	5.54	7.71	1.04	4.35E-01	3.60	7.55E-04	1.10	6.14E-01	EGA3-1
ENSMMUG00000008632			8.23	6.53	33.02	72.63	-0.14	9.14E-01	2.13	1.21E-02	1.56	2.19E-01	EGA3-1
ENSMMUG00000005159	TMEM106B	Transmembrane Protein 106B	0.48	0.83	3.35	3.57	1.30	3.15E-01	3.11	3.90E-03	1.90	2.56E-01	EGA3-1
ENSMMUG00000020894	NDUFA4	NDUFA4, Mitochondrial Complex Associated	33.22	53.17	205.15	194.63	0.58	4.24E-01	2.25	1.04E-04	-0.01	9.97E-01	EGA3-1
ENSMMUG00000038690	C1GALT1	Core 1 Synthase, Glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1	1.46	6.17	16.20	5.20	1.61	5.54E-02	2.14	6.88E-03	-1.78	1.09E-01	EGA3-1
ENSMMUG0000002364	AKAP9	A-kinase Anchoring Protein 9	7.77	4.69	20.97	22.09	-0.81	2.63E-01	2.42	5.70E-05	-0.28	8.67E-01	EGA3-1
ENSMMUG00000038674			0.31	0.74	1.35	1.07	0.01	9.96E-01	2.57	4.48E-04	-0.65	6.89E-01	EGA3-1
ENSMMUG00000040007	LOC702392	Peroxisome Biogenesis Factor 1	0.94	1.37	3.20	5.75	0.02	9.85E-01	1.39	2.62E-02	0.20	9.13E-01	EGA3-1
ENSMMUG00000019157	ASNS	Asparagine Synthetase (glutamine-hydrolyzing)	5.57	2.42	21.96	16.51	-1.34	1.45E-01	3.92	6.05E-07	-1.96	8.34E-02	EGA3-1
ENSMMUG00000003429	PMPCB	Peptidase, Mitochondrial Processing Beta Subunit	6.65	4.67	31.27	43.39	-0.72	4.30E-01	3.26	5.94E-06	0.02	9.93E-01	EGA3-1
ENSMMUG00000022732	SRPK2	SRSF Protein Kinase 2	4.76	9.17	27.55	13.75	0.67	3.22E-01	1.85	1.19E-03	-1.35	9.12E-02	EGA3-1
ENSMMUG00000030218	BCAP29	B-cell Receptor Associated Protein 29	4.40	5.38	11.11	5.29	-1.08	2.87E-01	2.72	1.52E-03	0.32	9.00E-01	EGA3-1
ENSMMUG00000006564	DLD	Dihydrolipoamide Dehydrogenase	25.62	16.77	71.25	79.26	-0.61	3.39E-01	2.18	2.92E-05	0.37	7.71E-01	EGA3-1
ENSMMUG00000006567	LAMB1	Laminin Subunit Beta 1	8.11	5.65	20.85	69.63	-0.45	6.03E-01	2.01	2.75E-03	1.56	9.51E-02	EGA3-1
ENSMMUG00000006784	CAPZA2	Capping Actin Protein Of Muscle Z-line Alpha Subunit 2	0.90	1.77	10.49	14.91	0.99	3.43E-01	2.33	8.74E-03	1.16	4.57E-01	EGA3-1
ENSMMUG00000046401			5.76	4.48	9.90	9.86	-0.64	5.77E-01	1.87	4.47E-02	0.54	8.05E-01	EGA3-1
ENSMMUG00000023310	TSPAN12	Tetraspanin 12	0.31	0.03	0.77	1.56	-3.82	9.55E-02	4.29	4.98E-02	3.41	2.96E-01	EGA3-1
ENSMMUG00000010664	GPR37	G Protein-coupled Receptor 37	0.41	0.35	1.63	0.55	-0.53	6.76E-01	2.55	6.95E-03	-0.31	9.12E-01	EGA3-1
ENSMMUG00000005322	LEP	Leptin	0.01	0.00	2.11	12.44	-0.23	9.41E-01	6.61	7.60E-05	2.78	2.68E-01	EGA3-1
ENSMMUG00000001671	CHCHD3	Coiled-coil-helix-coiled-coil-helix Domain Containing 3	22.89	10.67	40.85	28.11	-1.27	9.07E-02	2.12	1.99E-03	-0.67	6.33E-01	EGA3-1
ENSMMUG00000043412	LOC100429934	Uncharacterized Protein C7orf73	15.99	9.20	45.99	29.85	-1.52	2.93E-01	2.60	4.34E-02	-0.21	9.64E-01	EGA3-1
ENSMMUG00000015282	ADCK2	AarF Domain Containing Kinase 2	2.25	2.30	14.93	10.55	0.21	8.97E-01	2.50	1.95E-02	-1.09	5.96E-01	EGA3-1
ENSMMUG00000038113			4.28	0.97	8.86	11.36	-2.08	8.37E-02	3.00	7.52E-03	0.18	9.66E-01	EGA3-1
ENSMMUG00000040650	MRPS33	Mitochondrial Ribosomal Protein S33	4.83	1.94	11.07	10.54	-1.41	1.57E-01	2.97	7.08E-04	-0.27	9.23E-01	EGA3-1
ENSMMUG00000044438			0.21	0.34	0.54	0.88	-0.03	9.80E-01	1.69	1.96E-02	0.55	7.28E-01	EGA3-1
ENSMMUG00000000767	ZNF398	Zinc Finger Protein 398	2.87	3.41	6.23	3.63	-0.01	9.92E-01	1.21	4.54E-02	-1.30	1.11E-01	EGA3-1
ENSMMUG00000018920	ACTR3B	ARP3 Actin Related Protein 3 Homolog B	5.41	1.74	7.92	2.01	-1.38	1.91E-01	2.25	1.89E-02	-2.25	8.06E-02	EGA3-1
ENSMMUG00000006331	PAXIP1	PAX Interacting Protein 1	4.32	3.34	6.89	7.48	-0.50	3.27E-01	1.11	1.14E-02	0.09	9.55E-01	EGA3-1

ENSMMUG00000010935	SLC6A19	Solute Carrier Family 6 Member 19	0.00	0.04	3.41	10.58	1.62	3.86E-01	7.16	2.69E-08	1.43	5.78E-01	EGA3-1
ENSMMUG00000004447	NDUFS6	NADH:ubiquinone Oxidoreductase Subunit S6	2.53	2.37	12.91	10.15	-0.46	7.24E-01	2.30	1.70E-02	0.00	9.99E-01	EGA3-1
ENSMMUG00000018746	FASTKD3	FAST Kinase Domains 3	1.73	2.72	10.64	8.33	-0.64	6.07E-01	2.57	7.72E-03	0.46	8.58E-01	EGA3-1
ENSMMUG00000016224	LOC701519	Threonine-tRNA Ligase, Cytoplasmic	4.12	4.74	12.51	11.43	0.52	4.07E-01	1.66	1.15E-03	-0.56	5.77E-01	EGA3-1
ENSMMUG00000030176			13.66	32.16	113.94	55.63	0.82	3.87E-01	2.13	7.29E-03	-0.18	9.49E-01	EGA3-1
ENSMMUG00000021218	FYB1	FYN Binding Protein 1	0.01	0.02	4.06	16.19	1.48	3.78E-01	6.56	1.16E-08	2.27	1.90E-01	EGA3-1
ENSMMUG00000013841	PARP8	Poly(ADP-ribose) Polymerase Family Member 8	2.12	1.41	3.36	3.70	-1.70	1.51E-01	2.31	3.71E-02	-1.43	4.43E-01	EGA3-1
ENSMMUG00000011995	ARL15	ADP Ribosylation Factor Like GTPase 15	1.71	1.39	3.21	6.46	-1.41	1.59E-01	2.14	1.94E-02	-0.36	8.87E-01	EGA3-1
ENSMMUG00000030099	PLPP1	Phospholipid Phosphatase 1	4.53	1.00	4.12	3.97	-2.46	7.64E-02	2.97	2.53E-02	-0.35	9.34E-01	EGA3-1
ENSMMUG00000030085	SETD9	SET Domain Containing 9	0.54	0.44	0.76	0.85	-2.87	6.93E-02	3.41	2.41E-02	0.17	9.74E-01	EGA3-1
ENSMMUG00000021813			1.88	7.92	26.76	13.13	1.26	3.17E-01	2.74	1.16E-02	-0.67	7.97E-01	EGA3-1
ENSMMUG00000023177	ZFYVE16	Zinc Finger FYVE-type Containing 16	0.94	1.40	3.61	3.25	1.03	2.49E-01	1.69	3.51E-02	0.83	5.77E-01	EGA3-1
ENSMMUG00000040409			67.87	129.96	263.28	346.31	-0.01	9.96E-01	1.69	1.10E-02	0.46	7.65E-01	EGA3-1
ENSMMUG00000009319	TMEM161B	Transmembrane Protein 161B	0.23	2.56	3.89	6.06	0.02	9.88E-01	2.84	4.00E-03	2.13	1.34E-01	EGA3-1
ENSMMUG00000046953			3.45	2.04	13.35	17.56	-0.88	3.95E-01	3.29	7.54E-05	0.10	9.74E-01	EGA3-1
ENSMMUG00000002062	CAST	Calpastatin	0.92	0.84	4.44	11.06	-0.52	5.58E-01	2.55	1.67E-04	1.62	9.16E-02	EGA3-1
ENSMMUG00000007844	PAM	Peptidylglycine Alpha-amidating Monooxygenase	0.59	0.17	1.98	1.36	-2.81	5.37E-02	5.70	1.38E-05	-0.79	8.13E-01	EGA3-1
ENSMMUG00000010858	P4HA2	Prolyl 4-hydroxylase Subunit Alpha 2	0.79	0.68	2.41	3.04	-2.20	1.65E-01	4.75	5.86E-04	1.01	7.54E-01	EGA3-1
ENSMMUG00000005285	PCBD2	Pterin-4 Alpha-carbinolamine Dehydratase 2	0.79	0.69	4.87	6.88	-1.29	4.90E-01	3.49	1.97E-02	2.80	2.05E-01	EGA3-1
ENSMMUG00000029774			13.01	15.57	51.42	66.37	0.06	9.64E-01	2.23	9.24E-03	0.56	7.85E-01	EGA3-1
ENSMMUG00000022869	GM2A	GM2 Ganglioside Activator	0.86	0.51	19.74	65.46	-2.05	5.71E-02	6.08	1.03E-10	1.91	2.00E-01	EGA3-1
ENSMMUG00000048691	HAVCR2	Hepatitis A Virus Cellular Receptor 2	0.05	0.11	1.21	2.98	-0.54	7.20E-01	4.68	6.82E-06	-0.63	8.11E-01	EGA3-1
ENSMMUG00000019550	CCNG1	Cyclin G1	24.83	23.56	76.60	63.37	-0.34	6.26E-01	1.93	1.99E-04	-0.55	6.00E-01	EGA3-1
ENSMMUG00000007457	WWC1	WW And C2 Domain Containing 1	0.32	1.51	9.11	10.36	0.13	9.40E-01	2.84	5.82E-03	2.67	5.04E-02	EGA3-1
ENSMMUG00000014124			0.43	0.32	1.57	0.49	-1.41	3.96E-01	2.88	4.76E-02	-2.97	1.45E-01	EGA3-1
ENSMMUG00000043362	UBTD2	Ubiquitin Domain Containing 2	7.32	3.99	9.15	3.79	-1.20	1.57E-01	1.69	3.18E-02	-1.63	1.34E-01	EGA3-1
ENSMMUG00000000144	TSPAN17	Tetraspanin 17	0.16	0.13	2.19	3.16	-2.13	1.87E-01	5.36	8.07E-05	0.76	8.20E-01	EGA3-1
ENSMMUG00000045904	TMED9	Transmembrane P24 Trafficking Protein 9	5.70	5.99	12.73	8.64	-0.15	8.94E-01	1.79	1.16E-02	-0.56	7.15E-01	EGA3-1
ENSMMUG00000013347			8.50	4.78	16.24	6.98	-1.30	2.03E-01	2.51	5.57E-03	-2.15	8.47E-02	EGA3-1
ENSMMUG00000037816	SERPINB6	Serpin Family B Member 6	0.55	0.25	6.76	10.06	-1.41	1.18E-01	4.54	2.86E-09	1.26	3.36E-01	EGA3-1
ENSMMUG00000008487	NQO2	N-ribosyldihydroquinone reductase 2	1.47	0.78	3.52	4.42	0.51	8.08E-01	3.11	3.85E-02	-0.61	8.78E-01	EGA3-1
ENSMMUG00000008483	BPHL	Biphenyl Hydrolase Like	0.54	0.55	5.11	3.31	-0.12	9.43E-01	3.20	2.45E-03	0.82	7.32E-01	EGA3-1
ENSMMUG00000017480	ZNF322	Zinc Finger Protein 322	0.70	1.12	4.82	2.76	0.59	6.32E-01	2.35	1.37E-02	-0.42	8.67E-01	EGA3-1
ENSMMUG00000040347	LOC704341	Histone H4	6.03	97.66	125.96	213.06	1.94	1.23E-01	2.35	4.49E-02	-0.14	9.74E-01	EGA3-1
ENSMMUG00000015688	POU5F1	POU Class 5 Homeobox 1	4.81	16.21	70.13	49.63	1.22	2.15E-01	2.22	1.13E-02	-0.34	8.92E-01	EGA3-1
ENSMMUG00000018432	PPT2	Palmitoyl-protein Thioesterase 2	11.88	20.90	57.60	34.43	0.88	1.00E-01	1.40	4.00E-03	-0.45	6.54E-01	EGA3-1
ENSMMUG00000037503			15.99	35.54	102.92	112.03	0.50	5.98E-01	2.00	7.12E-03	0.36	8.54E-01	EGA3-1
ENSMMUG00000023322	YIPF3	Yip1 Domain Family Member 3	2.62	5.25	13.32	15.62	0.10	9.39E-01	2.08	9.85E-03	1.53	2.03E-01	EGA3-1
ENSMMUG00000014387	AARS2	Alanyl-tRNA Synthetase 2, Mitochondrial	0.09	0.61	1.93	2.42	1.36	3.48E-01	3.17	9.55E-03	0.08	9.86E-01	EGA3-1

ENSMMUG00000011905	TNFRSF21	TNF Receptor Superfamily Member 21	0.15	0.58	8.04	4.91	1.55	1.88E-01	3.13	2.26E-03	1.16	5.54E-01	EGA3-1
ENSMMUG00000021149	MCM3	Minichromosome Maintenance Complex Component 3	16.25	13.86	24.16	18.64	-0.02	9.75E-01	1.04	2.56E-02	-1.00	1.20E-01	EGA3-1
ENSMMUG00000029608	LOC712599	60S Ribosomal Protein L37 Pseudogene	211.62	291.37	586.61	377.29	0.47	3.28E-01	0.97	2.05E-02	-0.22	8.30E-01	EGA3-1
ENSMMUG00000009060	FAM135A	Family With Sequence Similarity 135 Member A	3.63	5.77	12.83	11.23	0.17	8.26E-01	1.11	3.79E-02	0.31	8.04E-01	EGA3-1
ENSMMUG00000043152	LOC717879	Cytochrome C Oxidase Subunit 7A2, Mitochondrial	6.62	16.68	62.58	64.07	0.78	4.39E-01	2.81	5.43E-04	-0.03	9.92E-01	EGA3-1
ENSMMUG00000017186	PHIP	Pleckstrin Homology Domain Interacting Protein	1.53	3.53	10.00	16.25	1.19	1.66E-01	1.74	2.81E-02	0.89	5.36E-01	EGA3-1
ENSMMUG00000010749	IBTK	Inhibitor Of Bruton Tyrosine Kinase	6.22	6.54	21.02	18.36	0.03	9.75E-01	2.01	1.49E-04	0.00	9.99E-01	EGA3-1
ENSMMUG00000047198	UBE2J1	Ubiquitin Conjugating Enzyme E2 J1	0.32	0.26	2.75	10.43	-0.48	6.52E-01	3.85	3.65E-07	1.96	6.71E-02	EGA3-1
ENSMMUG00000044648			1.29	0.99	3.51	1.29	0.18	9.08E-01	2.53	9.28E-03	-1.41	4.01E-01	EGA3-1
ENSMMUG00000040918			0.42	0.29	2.71	2.30	-0.81	6.52E-01	2.93	3.40E-02	0.46	9.05E-01	EGA3-1
ENSMMUG00000029511	GTF2H5	General Transcription Factor IIF Subunit 5	8.30	8.46	22.84	29.06	-0.92	3.66E-01	2.31	6.97E-03	0.66	7.32E-01	EGA3-1
ENSMMUG00000011171	TFB1M	Transcription Factor B1, Mitochondrial	4.38	2.97	11.15	11.52	-1.16	2.09E-01	2.67	8.80E-04	-0.10	9.73E-01	EGA3-1
ENSMMUG00000011172	CLDN20	Claudin 20	0.05	0.11	0.83	2.15	-0.45	8.78E-01	6.36	4.11E-04	2.06	5.58E-01	EGA3-1
ENSMMUG00000004893	SASH1	SAM And SH3 Domain Containing 1	1.01	0.94	8.45	6.88	0.07	9.61E-01	3.49	2.85E-05	-1.28	3.78E-01	EGA3-1
ENSMMUG00000029445	CITED2	Cbp/p300 Interacting Transactivator With Glu/Asp Rich Carboxy-terminal Domain 2	4.85	5.98	22.31	44.00	-0.88	4.79E-01	2.49	1.49E-02	0.31	9.19E-01	EGA3-1
ENSMMUG00000000224	REPS1	RALBP1 Associated Eps Domain Containing 1	3.25	7.68	32.61	31.01	0.66	5.57E-01	2.79	1.47E-03	-0.22	9.43E-01	EGA3-1
ENSMMUG00000008869	TNFAIP3	TNF Alpha Induced Protein 3	0.56	0.17	4.81	2.53	-2.88	8.85E-02	6.74	5.00E-06	-0.12	9.84E-01	EGA3-1
ENSMMUG00000009092			0.37	1.21	29.25	202.12	1.20	3.54E-01	3.26	2.20E-03	2.35	1.20E-01	EGA3-1
ENSMMUG00000004293	TRMT11	TRNA Methyltransferase 11 Homolog	4.20	1.95	10.28	10.41	-1.04	3.36E-01	2.38	9.81E-03	0.58	7.96E-01	EGA3-1
ENSMMUG00000004291	HINT3	Histidine Triad Nucleotide Binding Protein 3	0.23	0.40	3.94	1.25	2.41	1.91E-01	3.35	4.38E-02	-1.16	7.57E-01	EGA3-1
ENSMMUG00000015317	HDDC2	HD Domain Containing 2	6.29	12.62	50.62	14.96	0.67	5.72E-01	2.02	3.59E-02	-0.91	6.30E-01	EGA3-1
ENSMMUG00000000628	UBE3A	Ubiquitin Protein Ligase E3A	1.82	4.49	9.55	8.07	0.63	4.58E-01	1.53	3.32E-02	-0.19	9.35E-01	EGA3-1
ENSMMUG00000020939	LPCAT4	Lysophosphatidylcholine Acyltransferase 4	2.61	0.81	7.57	8.17	-1.42	1.25E-01	2.72	9.64E-04	1.02	5.08E-01	EGA3-1
ENSMMUG00000004158			1.95	1.92	9.62	2.01	-0.63	6.67E-01	2.57	2.12E-02	-1.64	3.69E-01	EGA3-1
ENSMMUG00000014539	VPS18	VPS18, CORVET/HOPS Core Subunit	0.76	0.79	2.61	3.85	-0.08	9.58E-01	2.09	2.81E-02	1.13	5.06E-01	EGA3-1
ENSMMUG00000008169	ITPKA	Inositol-trisphosphate 3-kinase A	0.05	0.08	1.29	0.98	0.80	7.21E-01	3.62	2.35E-02	1.37	6.81E-01	EGA3-1
ENSMMUG00000013803	TYRO3	TYRO3 Protein Tyrosine Kinase	2.69	1.71	11.74	7.61	-1.59	1.26E-01	2.76	3.26E-03	-0.88	6.49E-01	EGA3-1
ENSMMUG00000006498	UBR1	Ubiquitin Protein Ligase E3 Component N-recognin 1	4.89	3.75	5.83	9.27	-0.66	3.00E-01	1.34	1.50E-02	-0.21	8.91E-01	EGA3-1
ENSMMUG00000006507	TMEM62	Transmembrane Protein 62	0.57	0.52	2.35	4.60	-0.90	4.56E-01	2.66	6.95E-03	1.74	2.47E-01	EGA3-1
ENSMMUG00000001682	PDIA3	Protein Disulfide Isomerase Family A Member 3	26.07	48.25	117.99	169.54	0.89	9.87E-02	1.30	9.41E-03	0.31	7.98E-01	EGA3-1
ENSMMUG00000016898			19.90	16.33	34.82	23.21	-0.54	3.25E-01	1.34	3.75E-03	-0.87	2.18E-01	EGA3-1
ENSMMUG00000039846			5.20	10.51	40.22	73.66	0.88	2.85E-01	1.94	6.21E-03	1.47	1.50E-01	EGA3-1
ENSMMUG00000010798	CCPG1	Cell Cycle Progression 1	7.65	29.12	80.58	61.28	1.52	8.20E-02	2.12	9.01E-03	-1.35	2.91E-01	EGA3-1

ENSMMUG00000010797	PIGB	Phosphatidylinositol Glycan Anchor Biosynthesis Class B	2.35	0.45	3.51	3.64	-1.84	8.61E-02	2.49	1.33E-02	0.32	9.13E-01	EGA3-1
ENSMMUG00000029638	C7H15orf65	Chromosome 7 C15orf65 Homolog	0.98	0.70	3.96	6.10	-1.10	2.79E-01	3.26	1.19E-04	-0.11	9.73E-01	EGA3-1
ENSMMUG00000019021			4.57	3.81	22.26	35.02	0.19	9.01E-01	2.29	1.93E-02	0.86	6.70E-01	EGA3-1
ENSMMUG00000011677	COX5A	Cytochrome C Oxidase Subunit 5A	26.24	30.78	132.86	171.22	0.10	8.98E-01	2.40	9.12E-07	-0.06	9.76E-01	EGA3-1
ENSMMUG00000013669	SH3GL3	SH3 Domain Containing GRB2 Like 3, Endophilin A3	0.03	0.12	1.30	4.13	3.55	6.28E-02	3.92	2.13E-02	0.55	9.10E-01	EGA3-1
ENSMMUG00000011486	SEC11A	SEC11 Homolog A, Signal Peptidase Complex Subunit	4.24	5.36	18.03	16.34	0.26	7.97E-01	1.87	6.81E-03	0.33	8.53E-01	EGA3-1
ENSMMUG00000014992	RAB2B	RAB2B, Member RAS Oncogene Family	5.73	3.22	7.86	4.38	-1.23	1.82E-01	1.91	2.38E-02	-0.72	6.79E-01	EGA3-1
ENSMMUG00000006007	PSMB5	Proteasome Subunit Beta 5	20.11	12.03	35.58	33.02	-1.01	2.54E-01	2.00	9.66E-03	-0.81	5.89E-01	EGA3-1
ENSMMUG00000012726	NUBPL	Nucleotide Binding Protein Like	0.11	0.15	3.95	2.54	0.19	9.26E-01	5.31	8.67E-06	-0.96	7.32E-01	EGA3-1
ENSMMUG00000016512	FKBP3	FK506 Binding Protein 3	2.93	2.35	13.89	15.40	-0.34	6.85E-01	2.96	7.37E-07	0.01	9.97E-01	EGA3-1
ENSMMUG00000016009			5.79	13.96	32.81	50.30	0.97	1.76E-01	1.51	2.11E-02	-0.15	9.46E-01	EGA3-1
ENSMMUG00000014249			0.68	0.17	3.03	8.06	-2.16	7.74E-02	3.62	1.22E-03	-0.37	9.10E-01	EGA3-1
ENSMMUG00000018200	RTRAF	RNA Transcription, Translation And Transport Factor	48.50	55.29	103.99	66.75	-0.30	6.98E-01	1.42	1.39E-02	-0.53	6.53E-01	EGA3-1
ENSMMUG00000049010			7.94	5.51	20.49	28.47	-0.63	4.57E-01	1.90	5.79E-03	0.81	5.31E-01	EGA3-1
ENSMMUG00000003565	LGALS3	Galectin 3	0.54	0.68	1.10	0.30	-1.15	6.07E-01	3.71	3.88E-02	-3.43	1.99E-01	EGA3-1
ENSMMUG00000008205	PPP2R5E	Protein Phosphatase 2 Regulatory Subunit B'epsilon	2.29	2.90	9.03	7.33	0.21	7.94E-01	1.62	3.67E-03	-0.50	6.69E-01	EGA3-1
ENSMMUG00000044485			6.51	3.26	11.08	8.35	-0.96	9.16E-02	2.23	9.33E-06	-0.62	5.32E-01	EGA3-1
ENSMMUG00000001319	MTHFD1	Methylenetetrahydrofolate Dehydrogenase, Cyclohydrolase And Formyltetrahydrofolate Synthetase 1	3.23	9.98	28.26	27.88	1.24	1.52E-01	2.20	4.52E-03	-0.81	5.97E-01	EGA3-1
ENSMMUG00000004747			0.06	0.05	1.80	1.74	-0.95	7.17E-01	6.88	8.83E-05	-1.30	7.39E-01	EGA3-1
ENSMMUG00000010767	ACTN1	Actinin Alpha 1	0.31	0.98	18.59	49.53	1.09	2.35E-01	4.49	2.15E-09	1.26	3.30E-01	EGA3-1
ENSMMUG00000011089	SYNJ2BP	Synaptojanin 2 Binding Protein	10.21	7.34	27.98	17.55	-1.05	3.11E-01	2.81	1.31E-03	-0.68	7.35E-01	EGA3-1
ENSMMUG00000006563	NPC2	NPC Intracellular Cholesterol Transporter 2	4.01	7.87	97.17	201.42	0.25	8.53E-01	4.19	7.92E-07	0.31	9.04E-01	EGA3-1
ENSMMUG00000042742			10.62	13.91	261.08	437.86	-0.44	7.47E-01	5.48	1.90E-09	0.53	8.28E-01	EGA3-1
ENSMMUG00000001095	POMT2	Protein O-mannosyltransferase 2	0.49	0.51	2.60	3.71	-0.11	9.40E-01	2.68	3.46E-03	0.04	9.91E-01	EGA3-1
ENSMMUG00000013556	SPTLC2	Serine Palmitoyltransferase Long Chain Base Subunit 2	1.64	5.73	40.23	26.29	1.40	1.46E-01	3.26	9.95E-05	-0.61	7.64E-01	EGA3-1
ENSMMUG00000047571			9.91	5.93	12.14	13.70	-1.01	2.31E-01	1.60	3.76E-02	-0.04	9.89E-01	EGA3-1
ENSMMUG00000019898	FOXN3	Forkhead Box N3	2.15	2.06	12.48	7.12	-1.98	1.62E-01	3.22	1.19E-02	0.79	7.99E-01	EGA3-1
ENSMMUG00000000321	TTC7B	Tetratricopeptide Repeat Domain 7B	1.72	2.49	7.73	12.63	-0.69	5.59E-01	2.02	3.71E-02	-0.52	8.22E-01	EGA3-1
ENSMMUG000000022428	NDUFB1	NADH:ubiquinone Oxidoreductase Subunit B1	33.40	35.43	80.37	73.82	0.07	9.47E-01	2.07	1.40E-03	-0.95	3.95E-01	EGA3-1
ENSMMUG00000042148	PRIMA1	Proline Rich Membrane Anchor 1	0.00	0.01	0.52	1.27	-0.10	9.74E-01	7.36	2.05E-05	1.13	7.82E-01	EGA3-1
ENSMMUG00000040090	LOC706584	Uncharacterized LOC706584	0.00	0.01	1.32	2.42	1.55	6.15E-01	6.06	6.22E-03	1.46	7.71E-01	EGA3-1
ENSMMUG00000042349	IFI27L2	Interferon Alpha Inducible Protein 27 Like 2	0.39	0.07	0.31	0.63	-2.33	1.30E-01	3.52	1.31E-02	0.09	9.86E-01	EGA3-1

ENSMMUG00000006218			9.14	8.09	28.29	20.36	-0.38	7.71E-01	2.21	1.74E-02	-0.02	9.95E-01	EGA3-1
ENSMMUG00000005780	DYNC1H1	Dynein Cytoplasmic 1 Heavy Chain 1	2.78	3.45	14.14	25.12	0.39	6.30E-01	1.88	2.38E-03	0.66	5.87E-01	EGA3-1
ENSMMUG00000001273	CLBA1	Clathrin Binding Box Of Aftiphilin Containing 1	0.15	0.09	1.01	0.62	-2.92	1.02E-01	5.12	1.28E-03	0.13	9.83E-01	EGA3-1
ENSMMUG000000021677			0.16	0.04	4.13	0.83	-1.95	3.04E-01	4.66	3.27E-03	0.17	9.75E-01	EGA3-1
ENSMMUG00000005063	CDKL5	Cyclin Dependent Kinase Like 5	8.18	8.96	22.81	6.35	-0.54	5.31E-01	2.31	5.13E-04	-1.65	7.62E-02	EGA3-1
ENSMMUG00000008224			9.72	20.73	76.00	76.75	0.63	5.57E-01	2.82	7.11E-04	-0.12	9.69E-01	EGA3-1
ENSMMUG000000026869	MIR221	MicroRNA 221	0.00	0.00	3.02	0.43	-4.74	5.37E-01	#####	1.07E-05	-7.67	4.79E-01	EGA3-1
ENSMMUG000000046063			0.88	0.74	5.24	1.87	-0.65	6.19E-01	2.70	7.57E-03	-1.90	2.10E-01	EGA3-1
ENSMMUG00000004547	TIMM17B	Translocase Of Inner Mitochondrial Membrane 17B	0.53	1.42	4.76	8.79	-0.23	9.26E-01	3.19	4.58E-02	1.54	6.07E-01	EGA3-1
ENSMMUG000000023024	PRICKLE3	Prickle Planar Cell Polarity Protein 3	0.05	0.08	0.95	0.90	-1.55	5.00E-01	7.73	4.02E-06	-0.27	9.64E-01	EGA3-1
ENSMMUG000000006362	HUWE1	HECT, UBA And WWE Domain Containing 1, E3 Ubiquitin Protein Ligase	15.03	18.76	53.98	56.31	0.47	3.48E-01	1.55	1.72E-04	0.01	9.94E-01	EGA3-1
ENSMMUG000000014678	KLF8	Kruppel Like Factor 8	0.37	1.03	30.50	16.00	2.17	9.39E-02	4.54	6.92E-05	-0.33	9.31E-01	EGA3-1
ENSMMUG000000049034			0.14	0.13	0.75	0.80	-1.16	4.71E-01	3.27	1.36E-02	0.16	9.74E-01	EGA3-1
ENSMMUG000000015653	MSN	Moesin	21.35	37.29	77.92	37.29	0.48	5.20E-01	1.42	1.89E-02	-0.41	7.68E-01	EGA3-1
ENSMMUG000000037523			37.58	58.40	120.48	86.33	0.49	4.15E-01	1.09	3.44E-02	-0.22	8.70E-01	EGA3-1
ENSMMUG000000015861			36.11	40.75	151.65	134.72	0.56	4.65E-01	2.08	7.21E-04	-0.44	7.60E-01	EGA3-1
ENSMMUG000000001687	HMGNS	High Mobility Group Nucleosome Binding Domain 5	0.88	0.42	4.52	3.65	-1.12	3.55E-01	3.70	1.74E-04	-0.15	9.69E-01	EGA3-1
ENSMMUG000000000379	FAM133A	Family With Sequence Similarity 133 Member A	0.30	0.31	2.99	6.90	1.18	6.95E-01	4.53	4.08E-02	2.82	4.53E-01	EGA3-1
ENSMMUG000000040061			0.10	0.61	2.91	2.55	1.72	3.46E-01	3.33	1.73E-02	1.07	7.34E-01	EGA3-1
ENSMMUG000000004674	PRPS1	Phosphoribosyl Pyrophosphate Synthetase 1	3.14	8.50	36.24	12.66	0.82	3.34E-01	2.69	1.12E-04	-1.34	2.20E-01	EGA3-1
ENSMMUG000000013204	NXT2	Nuclear Transport Factor 2 Like Export Factor 2	3.25	2.53	10.28	3.02	-0.70	5.18E-01	2.14	1.45E-02	-1.66	2.00E-01	EGA3-1
ENSMMUG000000004188	ACSL4	Acyl-CoA Synthetase Long Chain Family Member 4	5.14	10.54	26.24	28.36	0.38	7.70E-01	2.02	3.41E-02	0.51	8.22E-01	EGA3-1
ENSMMUG000000044294			3.44	3.50	18.51	33.04	0.41	7.50E-01	2.14	2.38E-02	1.05	5.42E-01	EGA3-1
ENSMMUG000000038252	LOC720015	10 KDa Heat Shock Protein, Mitochondrial	244.50	137.11	1595.92	2328.61	-1.02	1.63E-01	3.65	3.48E-09	0.39	8.06E-01	EGA3-1
ENSMMUG000000004954	AIFM1	Apoptosis Inducing Factor Mitochondria Associated 1	10.73	7.63	13.28	10.58	-0.83	1.68E-01	1.20	3.03E-02	-0.45	6.96E-01	EGA3-1
ENSMMUG000000003475	STK26	Serine/threonine Kinase 26	0.46	0.26	1.95	1.06	-1.20	4.87E-01	3.36	1.80E-02	-0.88	7.95E-01	EGA3-1
ENSMMUG000000037506	FAM122C	Family With Sequence Similarity 122C	0.93	0.64	1.52	0.98	-1.25	2.61E-01	2.43	1.29E-02	-1.58	3.08E-01	EGA3-1
ENSMMUG000000008108	ZNF449	Zinc Finger Protein 449	4.51	1.28	10.19	2.78	-1.82	8.14E-02	3.10	1.11E-03	-1.13	5.30E-01	EGA3-1
ENSMMUG000000003375			2.67	4.21	13.19	11.40	0.47	7.27E-01	2.02	4.70E-02	0.49	8.45E-01	EGA3-1
ENSMMUG000000013668	FLNA	Filamin A	4.96	7.92	25.65	20.09	0.85	1.98E-01	1.39	1.97E-02	0.27	8.63E-01	EGA3-1
ENSMMUG000000009015	UBL4A	Ubiquitin Like 4A	0.28	0.12	1.24	2.83	1.15	5.57E-01	4.35	3.41E-03	-0.85	8.14E-01	EGA3-1
ENSMMUG000000015095	VBP1	VHL Binding Protein 1	10.15	4.26	23.24	10.72	-1.69	7.90E-02	2.82	1.32E-03	-0.68	7.34E-01	EGA3-1
ENSMMUG000000042893			36.26	17.89	75.76	59.80	-1.10	1.64E-01	2.30	9.36E-04	-0.69	6.31E-01	EGA3-1
ENSMMUG000000018668	AGPAT5	1-acylglycerol-3-phosphate O-acyltransferase 5	0.97	1.97	7.72	7.38	1.37	1.87E-01	2.43	8.41E-03	-0.56	8.03E-01	EGA3-1
ENSMMUG000000043748	SLC25A37	Solute Carrier Family 25 Member 37	0.32	0.22	1.70	2.84	-2.05	8.02E-02	4.69	4.25E-06	2.65	6.11E-02	EGA3-1
ENSMMUG000000046186			2.85	3.23	14.28	7.59	-1.13	1.59E-01	2.83	4.05E-05	0.03	9.93E-01	EGA3-1
ENSMMUG000000003212	BRF2	BRF2, RNA Polymerase III Transcription Initiation Factor Subunit	2.07	0.63	2.46	0.97	-2.25	6.63E-02	2.44	4.03E-02	-0.71	8.00E-01	EGA3-1
ENSMMUG000000003591	PLEKHA2	Pleckstrin Homology Domain Containing A2	0.14	0.15	2.30	4.75	0.34	8.64E-01	3.63	5.28E-03	2.28	2.57E-01	EGA3-1

ENSMMUG00000015360	MCM4	Minichromosome Maintenance Complex Component 4	7.66	10.82	18.39	20.19	0.55	3.00E-01	1.03	2.97E-02	-0.29	7.91E-01	EGA3-1
ENSMMUG00000040487			25.08	14.81	36.45	42.85	-1.11	8.82E-02	1.48	1.61E-02	0.39	7.85E-01	EGA3-1
ENSMMUG00000013157	LYPLA1	Lysophospholipase I	0.81	4.10	21.32	43.11	1.90	6.72E-02	2.97	1.88E-03	0.83	6.89E-01	EGA3-1
ENSMMUG00000005539	MRPL15	Mitochondrial Ribosomal Protein L15	2.92	13.04	31.86	36.57	1.05	4.10E-01	2.34	3.22E-02	-0.22	9.53E-01	EGA3-1
ENSMMUG00000014149	LYN	LYN Proto-oncogene, Src Family Tyrosine Kinase	6.11	2.13	21.39	39.20	-1.41	5.86E-02	3.45	2.18E-07	0.56	7.17E-01	EGA3-1
ENSMMUG00000046464	CHCHD7	Coiled-coil-helix-coiled-coil-helix Domain Containing 7	6.19	5.81	24.82	9.31	0.10	9.31E-01	1.64	3.40E-02	-0.89	5.19E-01	EGA3-1
ENSMMUG00000014650	IMPAD1	Inositol Monophosphatase Domain Containing 1	3.51	8.20	21.03	25.93	1.16	2.46E-01	1.79	4.84E-02	0.16	9.62E-01	EGA3-1
ENSMMUG00000001100	UBXN2B	UBX Domain Protein 2B	0.58	0.99	1.98	3.55	-1.10	3.76E-01	2.92	4.78E-03	0.90	6.86E-01	EGA3-1
ENSMMUG00000017296	SDCBP	Syndecan Binding Protein	27.35	13.13	37.35	53.74	-0.82	2.10E-01	1.43	1.46E-02	-0.07	9.74E-01	EGA3-1
ENSMMUG00000014424	ARFGEF1	ADP Ribosylation Factor Guanine Nucleotide Exchange Factor 1	11.30	18.73	38.72	42.27	0.72	1.55E-01	0.95	4.76E-02	0.07	9.67E-01	EGA3-1
ENSMMUG00000041773	FABP5	Fatty Acid Binding Protein 5	8.88	9.73	99.42	266.72	-0.36	6.72E-01	3.69	9.52E-10	1.34	1.51E-01	EGA3-1
ENSMMUG00000006370	LRRCC1	Leucine Rich Repeat And Coiled-coil Centrosomal Protein 1	1.84	2.85	6.36	6.78	-0.21	8.71E-01	2.24	9.52E-03	-0.47	8.28E-01	EGA3-1
ENSMMUG00000006308	CPNE3	Copine 3	0.71	0.71	9.23	19.74	-1.15	2.82E-01	5.24	1.44E-09	0.07	9.85E-01	EGA3-1
ENSMMUG00000014518	OSGIN2	Oxidative Stress Induced Growth Inhibitor Family Member 2	0.77	0.86	6.29	4.36	-0.01	9.97E-01	3.51	1.73E-04	-0.13	9.72E-01	EGA3-1
ENSMMUG00000014519	NBN	Nibrin	5.64	4.22	19.11	11.44	-0.40	6.28E-01	2.36	1.22E-04	-0.98	3.51E-01	EGA3-1
ENSMMUG00000005557	FAM92A	Family With Sequence Similarity 92 Member A	0.89	0.93	8.52	15.21	0.26	8.61E-01	3.60	1.18E-04	0.14	9.69E-01	EGA3-1
ENSMMUG00000014802			0.22	0.19	1.84	1.13	-0.86	5.00E-01	3.63	2.37E-04	0.18	9.63E-01	EGA3-1
ENSMMUG00000008804	LOC701223	Cytochrome B-c1 Complex Subunit 7	2.96	6.58	38.75	36.23	0.25	8.75E-01	3.09	2.95E-03	0.67	7.90E-01	EGA3-1
ENSMMUG00000008926	LOC702648	Lysosomal-associated Transmembrane Protein 4B-like	69.02	71.19	202.68	144.13	0.05	9.43E-01	1.57	6.43E-05	-0.42	5.98E-01	EGA3-1
ENSMMUG00000000165	LOC703685	Cytochrome C Oxidase Subunit 6C	68.28	63.13	205.20	222.79	-0.70	4.26E-01	2.47	4.36E-04	0.32	8.67E-01	EGA3-1
ENSMMUG00000040361			1.18	0.52	1.12	4.64	-1.99	6.32E-02	2.06	4.98E-02	1.44	4.00E-01	EGA3-1
ENSMMUG00000012559	EFR3A	EFR3 Homolog A	8.18	4.36	23.47	23.53	-0.58	5.24E-01	2.74	9.59E-05	-0.01	9.97E-01	EGA3-1
ENSMMUG00000003154	SLC39A4	Solute Carrier Family 39 Member 4	2.06	2.08	44.38	51.49	-0.13	9.38E-01	4.97	3.08E-07	1.78	2.64E-01	EGA3-1
ENSMMUG00000040870	LOC721815	10 KDa Heat Shock Protein, Mitochondrial Pseudogene	199.88	108.84	1271.35	1935.50	-1.10	1.24E-01	3.73	9.83E-10	0.32	8.52E-01	EGA3-1
ENSMMUG00000004470	CD9	CD9 Molecule	2.77	3.48	10.74	18.62	0.39	6.78E-01	1.93	6.45E-03	0.51	7.55E-01	EGA3-1
ENSMMUG00000000377	TNFRSF1A	TNF Receptor Superfamily Member 1A	0.63	0.16	3.93	3.78	-1.94	9.94E-02	3.41	1.37E-03	0.91	6.93E-01	EGA3-1
ENSMMUG00000010210			0.77	5.92	13.79	34.57	2.26	5.05E-02	2.28	4.27E-02	1.29	5.20E-01	EGA3-1
ENSMMUG00000005082	MAGOHB	Mago Homolog B, Exon Junction Complex Core Component	3.42	3.61	21.14	15.85	-0.09	9.53E-01	3.19	7.35E-04	-0.69	7.54E-01	EGA3-1
ENSMMUG00000013655	DNM1L	Dynamin 1 Like	8.13	6.06	15.92	15.94	-0.59	3.66E-01	1.74	1.17E-03	-0.27	8.52E-01	EGA3-1
ENSMMUG00000000595	PKP2	Plakophilin 2	1.14	3.94	12.27	44.36	-1.02	4.48E-01	3.94	2.37E-04	0.96	6.81E-01	EGA3-1
ENSMMUG00000020269			5.10	8.23	24.64	46.60	0.64	2.86E-01	1.61	1.52E-03	0.94	2.31E-01	EGA3-1
ENSMMUG00000000152	TFCP2	Transcription Factor CP2	8.48	3.94	16.87	8.75	-1.75	5.56E-02	2.79	9.69E-04	-1.32	3.49E-01	EGA3-1
ENSMMUG00000000329	SPRYD3	SPRY Domain Containing 3	0.36	0.77	2.40	1.32	0.09	9.61E-01	3.42	2.17E-03	1.10	6.30E-01	EGA3-1
ENSMMUG00000013225	METTL7B	Methyltransferase Like 7B	0.06	0.12	2.43	2.92	-2.15	3.19E-01	7.03	4.58E-05	1.29	7.33E-01	EGA3-1

ENSMMUG00000031838	LOC710137	Myosin, Light Chain 6, Alkali, Smooth Muscle And Non-muscle-like	4.69	8.09	23.15	40.25	0.65	5.32E-01	1.83	3.12E-02	1.19	3.97E-01	EGA3-1
ENSMMUG00000043982			8.83	9.76	57.47	97.29	-0.45	6.21E-01	3.25	1.11E-06	0.07	9.76E-01	EGA3-1
ENSMMUG00000005893	TSFM	Ts Translation Elongation Factor, Mitochondrial	4.43	3.46	11.77	8.09	-0.04	9.73E-01	2.02	3.81E-03	-0.92	4.61E-01	EGA3-1
ENSMMUG00000016621	TMBIM4	Transmembrane BAX Inhibitor Motif Containing 4	3.93	1.63	17.75	26.97	-1.23	4.45E-01	3.16	1.87E-02	1.29	6.25E-01	EGA3-1
ENSMMUG00000031761			0.25	0.60	2.15	1.31	0.80	6.41E-01	2.67	4.82E-02	-0.46	9.03E-01	EGA3-1
ENSMMUG00000014187	SLC35E3	Solute Carrier Family 35 Member E3	0.21	0.41	1.65	0.86	-0.70	5.35E-01	2.98	6.55E-04	-1.01	5.44E-01	EGA3-1
ENSMMUG00000006814			8.84	9.99	70.55	124.72	0.05	9.57E-01	3.04	1.11E-07	0.64	5.90E-01	EGA3-1
ENSMMUG00000047369			3.65	2.37	16.47	9.10	-2.90	5.91E-02	3.43	1.99E-02	-1.50	5.93E-01	EGA3-1
ENSMMUG00000016805	MRPL42	Mitochondrial Ribosomal Protein L42	11.43	13.13	40.45	32.48	0.08	9.53E-01	2.10	1.43E-02	-0.58	7.71E-01	EGA3-1
ENSMMUG00000009302	SNRPF	Small Nuclear Ribonucleoprotein Polypeptide F	16.21	8.12	22.27	15.58	-1.19	9.64E-02	2.12	1.06E-03	-0.39	8.10E-01	EGA3-1
ENSMMUG00000023036	SLC25A3	Solute Carrier Family 25 Member 3	20.61	34.93	135.27	118.56	0.54	5.92E-01	2.27	3.46E-03	-0.18	9.47E-01	EGA3-1
ENSMMUG00000017129	SLC41A2	Solute Carrier Family 41 Member 2	4.38	12.57	43.47	35.37	1.42	5.45E-02	1.92	5.60E-03	0.22	9.17E-01	EGA3-1
ENSMMUG00000000512	CORO1C	Coronin 1C	16.14	10.76	43.29	35.57	-0.43	2.97E-01	2.07	5.58E-10	-0.22	8.03E-01	EGA3-1
ENSMMUG00000011665	MMAB	Methylmalonic Aciduria (cobalamin Deficiency) CblB Type	1.61	0.60	3.01	0.88	-2.17	6.18E-02	3.13	3.92E-03	-2.14	1.88E-01	EGA3-1
ENSMMUG00000002223	SH2B3	SH2B Adaptor Protein 3	3.17	1.39	3.52	2.32	-1.74	5.33E-02	2.17	1.13E-02	-0.48	8.18E-01	EGA3-1
ENSMMUG00000001906	MED13L	Mediator Complex Subunit 13 Like	16.02	15.60	28.49	26.76	-0.24	7.64E-01	1.33	2.27E-02	-0.21	8.96E-01	EGA3-1
ENSMMUG00000020601	COQ5	Coenzyme Q5, Methyltransferase	0.47	0.73	3.69	3.66	0.77	5.26E-01	2.70	5.25E-03	-0.86	6.77E-01	EGA3-1
ENSMMUG00000047962	TMED2	Transmembrane P24 Trafficking Protein 2	34.50	28.86	82.41	33.51	-0.46	5.05E-01	1.54	5.36E-03	-0.95	2.71E-01	EGA3-1
ENSMMUG00000009207	ATP5C1	ATP Synthase, H+ Transporting, Mitochondrial F1 Complex, Gamma Polypeptide 1	19.87	20.68	78.60	84.37	0.48	5.25E-01	1.97	7.84E-04	-0.39	7.84E-01	EGA3-1
ENSMMUG00000023632	PROSER2	Proline And Serine Rich 2	0.11	0.30	2.09	1.26	-0.37	8.89E-01	3.56	4.03E-02	1.76	5.93E-01	EGA3-1
ENSMMUG00000017173	HSPA14	Heat Shock Protein Family A (Hsp70) Member 14	19.46	13.38	25.80	20.35	-0.84	1.98E-01	1.62	4.80E-03	-0.78	4.38E-01	EGA3-1
ENSMMUG00000023647	SKIDA1	SKI/DACH Domain Containing 1	0.17	0.04	3.22	2.64	-1.35	4.20E-01	5.66	1.64E-05	0.28	9.53E-01	EGA3-1
ENSMMUG00000005076	PDSS1	Decaprenyl Diphosphate Synthase Subunit 1	5.69	2.24	12.77	15.74	-1.54	8.74E-02	2.44	3.20E-03	-0.13	9.67E-01	EGA3-1
ENSMMUG00000040316	OSTC	Oligosaccharyltransferase Complex Non-catalytic Subunit	2.24	1.18	9.35	12.32	-1.52	1.52E-01	2.90	1.95E-03	1.33	4.13E-01	EGA3-1
ENSMMUG00000000567	BAMBI	BMP And Activin Membrane Bound Inhibitor	0.82	0.85	7.80	8.16	1.01	3.87E-01	3.12	1.05E-03	0.16	9.65E-01	EGA3-1
ENSMMUG00000030631	LOC696316	10 KDa Heat Shock Protein, Mitochondrial	234.95	140.18	1533.53	2331.57	-0.93	2.06E-01	3.58	4.58E-09	0.40	8.02E-01	EGA3-1
ENSMMUG00000002711	LOC700258	Cyclin-Y-like Protein 2	0.55	0.41	1.64	1.24	-1.73	3.67E-01	3.30	4.84E-02	-0.25	9.67E-01	EGA3-1
ENSMMUG00000022075			10.70	15.99	62.39	92.29	0.41	5.33E-01	2.19	1.40E-05	0.08	9.67E-01	EGA3-1
ENSMMUG00000046605			18.65	29.06	99.50	143.81	0.32	7.71E-01	1.62	4.64E-02	0.36	8.64E-01	EGA3-1
ENSMMUG00000008694			0.16	0.01	0.43	1.64	-3.86	6.51E-02	4.27	3.65E-02	3.21	2.84E-01	EGA3-1
ENSMMUG00000020825	AP3M1	Adaptor Related Protein Complex 3 Mu 1 Subunit	18.93	10.77	24.80	24.67	-0.87	1.23E-01	1.13	3.38E-02	0.44	6.92E-01	EGA3-1
ENSMMUG00000006414	ATAD1	ATPase Family, AAA Domain Containing 1	4.02	4.48	7.23	10.48	-0.34	5.39E-01	0.94	3.93E-02	1.12	5.64E-02	EGA3-1
ENSMMUG00000029151			3.06	1.72	5.69	5.46	-1.34	1.92E-01	2.09	2.62E-02	0.21	9.49E-01	EGA3-1

ENSMMUG00000001874	TM9SF3	Transmembrane 9 Superfamily Member 3	5.92	8.36	24.54	23.94	0.23	8.22E-01	1.83	8.13E-03	0.05	9.84E-01	EGA3-1
ENSMMUG000000030508			12.25	19.92	45.51	73.10	0.11	9.21E-01	1.93	7.48E-03	0.49	7.74E-01	EGA3-1
ENSMMUG000000010827	BLOC1S2	Biogenesis Of Lysosomal Organelles Complex 1 Subunit 2	0.89	0.64	4.12	8.27	-0.50	7.05E-01	3.02	1.57E-03	0.39	8.87E-01	EGA3-1
ENSMMUG000000010817	SCD	Stearoyl-CoA Desaturase	24.18	43.65	131.21	139.66	0.78	1.79E-01	1.81	3.62E-04	-0.19	9.02E-01	EGA3-1
ENSMMUG000000006636			10.38	6.07	41.68	56.29	-0.77	5.85E-01	2.65	1.87E-02	0.35	9.14E-01	EGA3-1
ENSMMUG000000003000	CUEDC2	CUE Domain Containing 2	0.42	0.48	1.55	1.38	-1.17	5.27E-01	3.35	2.71E-02	-0.44	9.23E-01	EGA3-1
ENSMMUG000000046241			7.92	15.87	26.78	31.41	0.77	2.99E-01	1.46	2.62E-02	-0.35	8.28E-01	EGA3-1
ENSMMUG000000015324	SLK	STE20 Like Kinase	13.73	6.14	16.98	19.72	-1.04	1.10E-01	1.26	4.19E-02	0.42	7.62E-01	EGA3-1
ENSMMUG000000015117	XPNPEP1	X-prolyl Aminopeptidase 1	0.62	1.70	9.66	18.96	1.85	1.18E-01	2.89	7.55E-03	1.35	4.86E-01	EGA3-1
ENSMMUG000000010485	OAT	Ornithine Aminotransferase	23.00	22.73	135.25	59.91	-0.20	8.32E-01	2.43	1.04E-04	-1.44	1.16E-01	EGA3-1
ENSMMUG000000008541	BCCIP	BRCA2 And CDKN1A Interacting Protein	24.86	15.24	36.56	37.00	-0.68	1.10E-01	1.19	2.09E-03	0.31	7.25E-01	EGA3-1
ENSMMUG000000046481	ECHS1	Enoyl-CoA Hydratase, Short Chain 1	0.84	0.50	2.87	3.33	-1.83	1.01E-01	3.34	8.52E-04	-0.04	9.92E-01	EGA3-1
ENSMMUG000000013257			0.82	0.75	19.62	55.80	-0.74	5.50E-01	5.28	1.17E-08	1.87	2.01E-01	EGA3-1
ENSMMUG000000003525	PKP3	Plakophilin 3	0.00	0.00	0.24	2.48	1.43	5.91E-01	5.54	2.25E-03	3.48	1.90E-01	EGA3-1
ENSMMUG000000002917	SIGIRR	Single Ig And TIR Domain Containing	0.08	0.01	0.80	1.83	-2.60	3.72E-01	6.40	8.43E-03	1.36	8.16E-01	EGA3-1
ENSMMUG000000000511	CARS	Cysteinyl-tRNA Synthetase	2.00	2.66	7.46	6.16	0.29	8.05E-01	2.33	4.12E-03	-1.41	2.65E-01	EGA3-1
ENSMMUG000000010124			1.50	2.83	7.43	5.61	-0.33	8.49E-01	3.08	7.78E-03	-1.97	2.75E-01	EGA3-1
ENSMMUG000000015932	SSH3	Slingshot Protein Phosphatase 3	0.23	0.10	0.40	0.74	-3.38	1.10E-01	4.05	4.24E-02	1.99	5.91E-01	EGA3-1
ENSMMUG000000019016	CFL1	Cofilin 1	51.61	78.39	128.31	132.25	0.54	2.28E-01	0.86	3.44E-02	-0.20	8.46E-01	EGA3-1
ENSMMUG0000000031168	SAC3D1	SAC3 Domain Containing 1	0.05	0.24	4.06	3.04	1.97	3.46E-01	4.55	6.06E-03	1.42	6.92E-01	EGA3-1
ENSMMUG000000017803	ESRRA	Estrogen Related Receptor Alpha	0.15	0.02	2.25	2.75	-3.52	6.75E-02	6.91	5.01E-05	0.91	8.33E-01	EGA3-1
ENSMMUG000000046758			0.00	0.04	1.77	0.85	13.43	5.91E-02	#####	8.80E-07	-16.25	7.15E-02	EGA3-1
ENSMMUG000000006598	EEF1G	Eukaryotic Translation Elongation Factor 1 Gamma	22.30	44.06	114.45	218.46	0.89	7.32E-02	1.45	1.55E-03	0.86	2.23E-01	EGA3-1
ENSMMUG000000015281	SDHAF2	Succinate Dehydrogenase Complex Assembly Factor 2	2.91	2.69	8.68	10.08	-0.95	4.04E-01	2.40	1.19E-02	0.14	9.68E-01	EGA3-1
ENSMMUG000000048841			0.00	0.00	1.22	1.34	0.00	1.00E+00	#####	2.12E-02	13.85	1.48E-01	EGA3-1
ENSMMUG000000006447	APIP	APAF1 Interacting Protein	1.44	0.92	7.49	3.52	-1.36	3.63E-01	3.64	3.66E-03	-1.92	3.53E-01	EGA3-1
ENSMMUG000000047823	LOC694178	Protein S100-A11	60.04	50.02	218.84	149.95	0.28	7.83E-01	1.99	5.01E-03	1.26	2.48E-01	EGA3-1
ENSMMUG000000020956			2.03	3.21	8.87	7.07	0.20	8.62E-01	2.21	2.97E-03	-0.08	9.76E-01	EGA3-1
ENSMMUG000000016387	ADM	Adrenomedullin	1.07	0.34	3.46	6.37	-2.46	9.35E-02	2.78	4.97E-02	1.45	5.80E-01	EGA3-1
ENSMMUG000000023636	IPO7	Importin 7	10.24	20.68	47.33	50.73	0.71	2.58E-01	1.48	6.96E-03	-0.25	8.64E-01	EGA3-1
ENSMMUG000000007745			1.69	1.51	4.18	16.20	-2.57	1.00E-01	4.06	4.21E-03	3.24	1.01E-01	EGA3-1
ENSMMUG000000000335	TRIM5	Tripartite Motif Containing 5	0.13	0.05	1.31	3.58	-1.61	1.98E-01	6.30	7.67E-10	1.79	2.92E-01	EGA3-1
ENSMMUG000000010456	LOC718378	Folate Receptor Gamma-like	0.08	0.14	0.50	0.74	-3.32	1.01E-01	4.79	1.10E-02	0.85	8.52E-01	EGA3-1
ENSMMUG000000000506	MOGAT2	Monoacylglycerol O-acyltransferase 2	0.06	0.15	3.20	3.05	1.51	4.05E-01	5.11	1.12E-04	0.69	8.41E-01	EGA3-1
ENSMMUG000000018174	CAPN5	Calpain 5	0.95	0.32	2.73	3.31	-1.04	4.31E-01	2.46	2.70E-02	0.67	8.02E-01	EGA3-1
ENSMMUG000000007842	RAB30	RAB30, Member RAS Oncogene Family	1.65	0.76	3.35	1.52	-0.87	4.76E-01	2.09	4.19E-02	-1.50	3.59E-01	EGA3-1
ENSMMUG000000017730	HIKESHI	Hikeshi, Heat Shock Protein Nuclear Import Factor	5.71	3.00	10.88	17.34	-1.55	1.70E-01	2.27	2.92E-02	0.06	9.87E-01	EGA3-1
ENSMMUG000000030892	LOC701661	Cytochrome C Oxidase Subunit 5B, Mitochondrial	15.08	20.48	61.84	91.24	0.36	7.47E-01	1.95	1.77E-02	0.76	6.49E-01	EGA3-1

ENSMMUG00000014866	HMBS	Hydroxymethylbilane Synthase	0.08	0.17	2.57	2.39	0.10	9.67E-01	4.13	4.22E-03	0.82	8.17E-01	EGA3-1
ENSMMUG00000030886	MRPL40	Mitochondrial Ribosomal Protein L40	7.60	6.97	22.08	15.33	-0.49	7.02E-01	2.17	2.57E-02	-0.06	9.86E-01	EGA3-1
ENSMMUG00000002919	UBASH3B	Ubiquitin Associated And SH3 Domain Containing B	0.93	1.10	17.57	31.68	-0.81	3.98E-01	4.51	1.52E-09	0.59	7.43E-01	EGA3-1
ENSMMUG00000008481	NRGN	Neurogranin	0.16	0.09	5.66	5.35	-1.09	5.93E-01	6.16	4.28E-05	-0.26	9.64E-01	EGA3-1
ENSMMUG00000018029	APLP2	Amyloid Beta Precursor Like Protein 2	22.54	15.38	43.45	68.81	-0.60	3.18E-01	1.49	3.43E-03	0.24	8.61E-01	EGA3-1
ENSMMUG00000039972	STEAP3	STEAP3 Metalloreductase	0.00	0.16	0.85	4.12	2.29	2.74E-01	4.17	1.02E-02	3.46	1.24E-01	EGA3-1
ENSMMUG00000005633	MMADHC	Methylmalonic Aciduria And Homocystinuria, CbID Type	4.62	6.00	31.49	29.29	0.16	9.23E-01	2.75	6.88E-03	0.28	9.32E-01	EGA3-1
ENSMMUG00000044949	RBM43	RNA Binding Motif Protein 43	0.19	0.17	1.27	1.17	-1.57	2.82E-01	4.98	2.76E-05	1.70	4.31E-01	EGA3-1
ENSMMUG00000010527	STAM2	Signal Transducing Adaptor Molecule 2	10.09	6.07	12.68	6.26	-0.97	1.10E-01	1.36	1.53E-02	-0.86	3.45E-01	EGA3-1
ENSMMUG00000010812	PRPF40A	Pre-mRNA Processing Factor 40 Homolog A	22.54	31.89	46.07	28.65	0.32	5.35E-01	0.84	4.98E-02	-0.75	2.24E-01	EGA3-1
ENSMMUG00000004897	GPD2	Glycerol-3-phosphate Dehydrogenase 2	2.54	1.17	17.48	28.44	-1.28	7.54E-02	3.94	3.97E-10	0.73	5.67E-01	EGA3-1
ENSMMUG00000011906	PSMD14	Proteasome 26S Subunit, Non-ATPase 14	5.80	7.61	18.25	19.13	0.28	7.70E-01	1.41	4.91E-02	0.57	6.96E-01	EGA3-1
ENSMMUG00000009400	COBLL1	Cordon-bleu WH2 Repeat Protein Like 1	22.88	10.61	37.69	26.30	-1.08	8.39E-02	1.90	7.87E-04	-0.75	4.63E-01	EGA3-1
ENSMMUG00000007092	OLA1	Obg Like ATPase 1	3.17	12.28	24.46	45.06	1.35	3.00E-01	2.51	2.82E-02	-0.13	9.75E-01	EGA3-1
ENSMMUG00000003954	LOC696144	ATP Synthase, H+ Transporting, Mitochondrial Fo Complex, Subunit C3 (subunit 9)-like	20.37	17.14	152.66	183.58	-0.41	7.27E-01	3.92	1.36E-06	0.13	9.68E-01	EGA3-1
ENSMMUG00000010185	MTX2	Metaxin 2	0.93	3.70	11.28	16.01	1.12	4.37E-01	2.59	3.42E-02	0.45	8.94E-01	EGA3-1
ENSMMUG000000038947			9.19	6.78	19.31	23.07	-1.02	2.40E-01	2.07	6.55E-03	0.25	9.10E-01	EGA3-1
ENSMMUG00000008069	UBE2E3	Ubiquitin Conjugating Enzyme E2 E3	20.58	8.50	24.01	19.86	-1.27	2.43E-01	2.27	1.92E-02	-0.63	7.79E-01	EGA3-1
ENSMMUG00000014394	DNAJC10	DnaJ Heat Shock Protein Family (Hsp40) Member C10	3.39	2.21	10.55	6.98	-0.73	4.93E-01	1.97	2.51E-02	1.28	3.73E-01	EGA3-1
ENSMMUG00000014397	NCKAP1	NCK Associated Protein 1	19.21	11.30	36.67	40.28	-0.68	2.95E-01	1.73	1.65E-03	0.36	7.85E-01	EGA3-1
ENSMMUG00000042304			0.92	0.64	1.94	1.79	-1.47	9.65E-02	2.10	1.17E-02	-1.02	4.94E-01	EGA3-1
ENSMMUG00000014316	ORMDL1	ORMDL Sphingolipid Biosynthesis Regulator 1	5.12	2.17	5.61	5.81	-1.67	1.11E-01	2.09	3.50E-02	-0.04	9.91E-01	EGA3-1
ENSMMUG000000023682			0.27	0.21	2.24	5.11	-1.16	3.84E-01	3.29	2.78E-03	1.34	5.09E-01	EGA3-1
ENSMMUG000000021152			11.16	5.03	14.72	21.61	-1.60	5.92E-02	2.28	4.13E-03	-0.36	8.67E-01	EGA3-1
ENSMMUG00000001053	INO80D	INO80 Complex Subunit D	2.79	4.03	8.43	6.74	0.20	8.21E-01	1.77	2.84E-03	-1.35	1.06E-01	EGA3-1
ENSMMUG000000022446			11.62	19.05	36.98	32.24	0.48	4.22E-01	1.12	2.77E-02	-0.10	9.52E-01	EGA3-1
ENSMMUG00000022602	METTL21A	Methyltransferase Like 21A	7.33	5.21	20.94	16.16	-1.28	1.74E-01	2.59	1.76E-03	-0.02	9.96E-01	EGA3-1
ENSMMUG000000022808	ARPC2	Actin Related Protein 2/3 Complex Subunit 2	24.76	20.23	40.90	49.03	-0.33	7.08E-01	1.36	4.06E-02	-0.35	8.30E-01	EGA3-1
ENSMMUG000000022817	TMBIM1	Transmembrane BAX Inhibitor Motif Containing 1	3.78	6.48	32.25	30.41	-0.63	5.51E-01	4.07	2.26E-07	-1.07	4.68E-01	EGA3-1
ENSMMUG00000015268	CTDSP1	CTD Small Phosphatase 1	0.33	0.69	6.03	7.57	1.94	1.49E-01	2.98	1.43E-02	0.67	8.22E-01	EGA3-1
ENSMMUG00000009793	CAB39	Calcium Binding Protein 39	12.61	13.54	60.72	71.43	0.01	9.94E-01	2.48	7.21E-06	0.18	9.19E-01	EGA3-1
ENSMMUG000000022150	TIGD1	Tigger Transposable Element Derived 1	0.21	0.19	0.65	0.88	-0.57	7.72E-01	3.10	3.07E-02	0.13	9.81E-01	EGA3-1
ENSMMUG00000012216	NGEF	Neuronal Guanine Nucleotide Exchange Factor	0.02	0.01	3.77	9.94	0.82	6.56E-01	8.23	9.44E-14	0.69	8.03E-01	EGA3-1
ENSMMUG00000009772	INPP5D	Inositol Polyphosphate-5-phosphatase D	0.12	0.21	0.45	1.18	-1.34	4.12E-01	3.36	1.40E-02	2.48	2.28E-01	EGA3-1

ENSMMUG00000013808	SH3BP4	SH3 Domain Binding Protein 4	0.17	0.27	3.78	11.33	-0.37	8.19E-01	4.89	3.44E-06	2.57	9.02E-02	EGA3-1
ENSMMUG00000018482	UBE2F	Ubiquitin Conjugating Enzyme E2 F (putative)	7.04	9.26	32.94	9.50	0.55	5.96E-01	1.79	3.22E-02	-1.28	3.33E-01	EGA3-1
ENSMMUG00000018487	KLHL30	Kelch Like Family Member 30	0.51	0.23	2.68	0.40	-2.12	5.18E-02	4.64	2.10E-06	-2.20	1.38E-01	EGA3-1
ENSMMUG00000041988	TMEM250	Transmembrane Protein 250	0.06	0.11	4.50	2.09	0.55	8.06E-01	4.75	1.25E-03	0.62	8.78E-01	EGA3-1
ENSMMUG00000018468	SETX	Senataxin	13.13	13.18	23.46	15.27	-0.24	6.99E-01	1.28	5.42E-03	-0.97	1.42E-01	EGA3-1
ENSMMUG00000006057	NTMT1	N-terminal Xaa-Pro-Lys N-methyltransferase 1	1.12	2.28	7.92	2.47	-0.06	9.71E-01	2.29	3.88E-02	-0.07	9.86E-01	EGA3-1
ENSMMUG00000011765	MIGA2	Mitoguardin 2	0.20	0.39	2.20	0.63	-0.91	5.05E-01	3.38	1.66E-03	-1.86	2.76E-01	EGA3-1
ENSMMUG00000013024			1.40	2.22	49.56	78.55	0.46	7.71E-01	5.20	9.47E-07	0.31	9.30E-01	EGA3-1
ENSMMUG00000005595			4.25	6.66	18.54	16.75	0.29	8.18E-01	1.83	4.15E-02	0.20	9.49E-01	EGA3-1
ENSMMUG00000031992			1.92	8.44	30.85	30.58	1.19	2.68E-01	2.63	4.12E-03	1.24	4.46E-01	EGA3-1
ENSMMUG00000010322	TXN	Thioredoxin	42.14	82.17	314.84	312.35	0.09	9.35E-01	2.71	1.02E-04	0.07	9.77E-01	EGA3-1
ENSMMUG00000002361	PALM2	Paralemmin 2	5.02	5.87	12.98	22.16	0.35	5.61E-01	1.27	8.57E-03	0.46	6.35E-01	EGA3-1
ENSMMUG00000002669	FKTN	Fukutin	0.62	1.44	4.38	8.80	1.41	2.03E-01	2.03	4.60E-02	1.97	1.71E-01	EGA3-1
ENSMMUG00000020608	ABCA1	ATP Binding Cassette Subfamily A Member 1	4.50	4.39	9.86	20.53	-0.06	9.57E-01	1.46	4.85E-02	0.84	5.19E-01	EGA3-1
ENSMMUG00000004628	IARS	Isoleucyl-tRNA Synthetase	10.72	14.83	30.78	23.19	0.41	5.39E-01	1.42	7.95E-03	-0.85	3.24E-01	EGA3-1
ENSMMUG00000013881	WNK2	WNK Lysine Deficient Protein Kinase 2	0.52	0.83	4.55	2.38	1.37	1.57E-01	1.78	4.98E-02	-0.43	8.52E-01	EGA3-1
ENSMMUG00000009493	FAM120A	Family With Sequence Similarity 120A	5.25	4.25	17.50	38.73	-0.60	4.23E-01	2.40	5.35E-05	0.74	5.14E-01	EGA3-1
ENSMMUG00000008667			0.44	0.34	1.94	1.80	-1.80	1.65E-01	3.78	8.65E-04	-0.83	7.57E-01	EGA3-1
ENSMMUG00000017886	FBXO10	F-box Protein 10	13.54	7.60	21.46	9.98	-0.43	6.12E-01	1.47	2.69E-02	-1.26	1.92E-01	EGA3-1
ENSMMUG00000016337	HINT2	Histidine Triad Nucleotide Binding Protein 2	8.59	3.60	14.21	23.16	-1.98	5.02E-02	2.49	9.71E-03	-0.38	8.87E-01	EGA3-1
ENSMMUG000000031830	RPP25L	Ribonuclease P/MRP Subunit P25 Like	0.18	0.69	3.81	3.81	1.32	4.07E-01	3.64	3.86E-03	0.09	9.86E-01	EGA3-1
ENSMMUG00000013466	TTC39B	Tetratricopeptide Repeat Domain 39B	1.60	4.53	7.18	9.81	0.18	9.08E-01	2.49	1.05E-02	-0.57	8.10E-01	EGA3-1
ENSMMUG00000019570			2.73	0.84	3.57	8.59	-1.97	8.49E-02	2.32	3.39E-02	2.01	2.05E-01	EGA3-1
ENSMMUG00000009020	RIC1	RIC1 Homolog, RAB6A GEF Complex Partner 1	0.48	0.57	3.32	4.91	0.10	9.51E-01	3.24	9.16E-04	2.06	1.56E-01	EGA3-1
ENSMMUG00000003780	TJP2	Tight Junction Protein 2	9.85	11.17	25.77	32.39	-0.04	9.68E-01	1.73	3.23E-03	-0.52	6.79E-01	EGA3-1
ENSMMUG00000008346	SMC5	Structural Maintenance Of Chromosomes 5	9.93	6.53	14.19	17.02	-0.51	5.46E-01	1.45	3.38E-02	-0.08	9.75E-01	EGA3-1
ENSMMUG00000003718	TLE1	Transducin Like Enhancer Of Split 1	5.99	11.94	31.32	31.26	0.53	3.26E-01	1.73	8.87E-05	0.01	9.97E-01	EGA3-1
ENSMMUG000000027013	MIR7-1	MicroRNA 7-1	0.07	0.02	4.09	8.03	0.06	9.87E-01	4.92	4.94E-02	2.41	6.09E-01	EGA3-1
ENSMMUG00000003411			20.17	42.29	135.79	144.31	0.24	8.30E-01	2.39	1.42E-03	0.12	9.65E-01	EGA3-1
ENSMMUG00000015798	AUH	AU RNA Binding Methylglutaconyl-CoA Hydratase	2.83	3.01	17.56	19.48	-0.21	8.73E-01	2.39	5.67E-03	-0.42	8.53E-01	EGA3-1
ENSMMUG00000031580	LOC710026	10 KDa Heat Shock Protein, Mitochondrial Pseudogene	227.82	129.91	1522.40	2340.88	-0.95	1.82E-01	3.69	5.89E-10	0.42	7.79E-01	EGA3-1
ENSMMUG00000008295	AAED1	AhpC/TSA Antioxidant Enzyme Domain Containing 1	1.25	1.19	28.39	4.01	0.39	7.86E-01	2.95	2.93E-03	-1.61	3.21E-01	EGA3-1
ENSMMUG00000046127			102.27	56.65	670.06	1076.73	-0.95	1.72E-01	3.75	1.24E-10	0.49	7.22E-01	EGA3-1
ENSMMUG00000014475	RNASEH1	Ribonuclease H1	13.94	12.30	29.79	16.05	-0.35	7.17E-01	1.66	1.97E-02	-0.77	5.60E-01	EGA3-1
ENSMMUG00000022785	PQLC3	PQ Loop Repeat Containing 3	5.73	5.59	32.60	20.32	-0.86	4.62E-01	3.17	6.46E-04	-0.42	8.70E-01	EGA3-1
ENSMMUG00000012056	SMC6	Structural Maintenance Of Chromosomes 6	11.75	9.78	27.22	23.97	-0.46	5.11E-01	1.94	3.91E-04	-0.32	8.19E-01	EGA3-1
ENSMMUG00000001283	TP53I3	Tumor Protein P53 Inducible Protein 3	0.12	0.17	0.81	1.99	-3.20	1.12E-01	3.90	4.52E-02	-0.55	9.18E-01	EGA3-1
ENSMMUG00000020838	NCOA1	Nuclear Receptor Coactivator 1	9.58	7.01	19.09	17.57	-0.57	4.18E-01	1.74	2.56E-03	-0.79	4.40E-01	EGA3-1
ENSMMUG00000030911			3.97	2.42	9.00	14.54	-1.05	2.81E-01	2.05	1.65E-02	0.76	6.64E-01	EGA3-1

ENSMMUG00000021816			18.81	12.71	29.32	25.67	-0.96	1.67E-01	1.43	2.57E-02	-0.11	9.63E-01	EGA3-1
ENSMMUG00000040310	SLC35F6	Solute Carrier Family 35 Member F6	1.08	0.54	5.07	11.57	0.25	8.84E-01	2.53	2.81E-02	0.71	7.91E-01	EGA3-1
ENSMMUG00000003908	MEMO1	Mediator Of Cell Motility 1	8.39	4.11	18.79	22.13	-1.36	1.09E-01	2.82	1.85E-04	-0.53	7.71E-01	EGA3-1
ENSMMUG000000039303	SOCS5	Suppressor Of Cytokine Signaling 5	1.40	0.48	6.78	3.19	-1.29	2.81E-01	3.42	6.96E-04	0.20	9.57E-01	EGA3-1
ENSMMUG000000011346	CLHC1	Clathrin Heavy Chain Linker Domain Containing 1	0.69	0.63	1.84	1.33	-1.68	3.37E-01	3.21	3.63E-02	-1.65	5.58E-01	EGA3-1
ENSMMUG000000030833	MTIF2	Mitochondrial Translational Initiation Factor 2	24.82	23.66	80.17	49.03	-0.25	7.64E-01	2.23	7.04E-05	-0.66	5.53E-01	EGA3-1
ENSMMUG00000007003	PNPT1	Polyribonucleotide Nucleotidyltransferase 1	5.49	11.15	50.97	27.33	0.67	4.77E-01	2.66	3.34E-04	-0.59	7.32E-01	EGA3-1
ENSMMUG00000006941	XPO1	Exportin 1	14.25	21.40	37.89	36.39	0.53	3.23E-01	1.02	2.84E-02	0.08	9.64E-01	EGA3-1
ENSMMUG000000013973	CCT4	Chaperonin Containing TCP1 Subunit 4	6.78	20.04	98.51	85.01	1.30	8.94E-02	2.42	4.38E-04	-0.16	9.50E-01	EGA3-1
ENSMMUG000000013797	GFPT1	Glutamine-fructose-6-phosphate Transaminase 1	4.56	10.34	33.80	28.25	1.34	9.54E-02	2.20	2.68E-03	-1.28	2.65E-01	EGA3-1
ENSMMUG00000007959	PCYOX1	Prenylcysteine Oxidase 1	4.82	7.46	24.81	27.34	0.78	3.84E-01	1.83	1.61E-02	-0.08	9.76E-01	EGA3-1
ENSMMUG00000007961	SNRPG	Small Nuclear Ribonucleoprotein Polypeptide G	13.40	37.24	93.38	59.15	1.04	2.46E-01	1.83	2.22E-02	-0.15	9.60E-01	EGA3-1
ENSMMUG00000000908	SUCLG1	Succinate-CoA Ligase Alpha Subunit	9.44	9.92	28.01	29.56	0.09	9.41E-01	1.89	1.02E-02	-0.11	9.68E-01	EGA3-1
ENSMMUG000000020134	TCF7L1	Transcription Factor 7 Like 1	0.31	0.61	6.03	14.48	1.74	1.70E-01	4.33	6.44E-05	0.00	9.99E-01	EGA3-1
ENSMMUG000000014248			24.45	29.63	63.56	27.30	-0.35	7.45E-01	1.74	2.97E-02	-1.89	7.30E-02	EGA3-1
ENSMMUG000000044883			0.09	0.36	1.24	2.32	1.14	5.02E-01	2.93	2.69E-02	2.47	2.18E-01	EGA3-1
ENSMMUG000000007590	CNNM4	Cyclin And CBS Domain Divalent Metal Cation Transport Mediator 4	0.83	0.67	4.54	1.87	-0.63	6.24E-01	3.33	5.98E-04	-1.52	3.51E-01	EGA3-1
ENSMMUG000000007596			0.05	0.03	1.14	1.05	-2.20	3.63E-01	5.75	3.45E-03	2.31	4.87E-01	EGA3-1
ENSMMUG000000049088	COA5	Protein C2orf64	2.23	1.51	8.61	3.84	-0.24	8.72E-01	2.71	5.70E-03	-0.57	8.12E-01	EGA3-1
ENSMMUG000000030696			36.14	31.40	114.95	90.19	0.40	6.78E-01	1.66	2.35E-02	1.65	9.56E-02	EGA3-1
ENSMMUG000000019682	MRPS9	Mitochondrial Ribosomal Protein S9	25.83	14.97	40.20	19.18	-0.83	1.04E-01	1.41	2.48E-03	-0.77	3.04E-01	EGA3-1
ENSMMUG0000000039390			90.24	202.45	1175.21	434.98	1.22	5.57E-02	1.56	9.47E-03	-1.06	2.49E-01	EGA3-1
ENSMMUG000000012115	ANAPC1	Anaphase Promoting Complex Subunit 1	19.77	8.99	33.34	29.95	-0.81	2.70E-01	1.83	3.61E-03	0.07	9.75E-01	EGA3-1
ENSMMUG000000019777	IL1A	Interleukin 1 Alpha	0.06	0.08	1.63	0.91	-2.26	3.19E-01	5.71	2.66E-03	-4.12	1.31E-01	EGA3-1
ENSMMUG000000019006	LATS2	Large Tumor Suppressor Kinase 2	3.08	1.29	4.50	5.18	-1.30	1.71E-01	2.44	4.00E-03	-0.49	8.12E-01	EGA3-1
ENSMMUG000000041640			1.37	0.62	1.65	2.41	-1.63	1.10E-01	2.18	2.31E-02	0.42	8.72E-01	EGA3-1
ENSMMUG000000020835			40.58	60.79	135.29	162.20	0.44	8.23E-02	1.40	1.92E-10	0.18	7.29E-01	EGA3-1
ENSMMUG000000043480			0.00	0.36	3.57	0.83	1.83	5.41E-01	4.54	4.71E-02	-0.60	9.31E-01	EGA3-1
ENSMMUG000000009913	RFXAP	Regulatory Factor X Associated Protein	0.16	0.14	3.80	8.63	0.43	8.61E-01	5.84	6.23E-05	-0.24	9.65E-01	EGA3-1
ENSMMUG000000022585			0.35	0.07	1.80	1.68	-3.33	1.83E-01	5.06	2.57E-02	0.94	8.74E-01	EGA3-1
ENSMMUG000000017978			7.01	4.63	23.23	10.31	-0.79	5.58E-01	2.70	1.16E-02	-1.35	4.77E-01	EGA3-1
ENSMMUG000000004209	ESD	Esterase D	2.53	4.31	25.71	27.63	1.27	3.08E-01	2.67	1.35E-02	0.01	9.99E-01	EGA3-1
ENSMMUG000000007539	SUCLA2	Succinate-CoA Ligase ADP-forming Beta Subunit	7.28	14.20	32.57	36.21	-0.16	8.85E-01	1.57	3.59E-02	1.17	3.15E-01	EGA3-1
ENSMMUG000000007888	ITM2B	Integral Membrane Protein 2B	22.04	29.09	92.55	130.76	0.10	8.93E-01	2.04	7.41E-06	0.43	6.63E-01	EGA3-1
ENSMMUG000000043607			4.46	5.24	14.85	15.06	-1.02	4.07E-01	2.51	1.53E-02	1.12	5.65E-01	EGA3-1
ENSMMUG000000040500	DNAJC3	DnaJ Heat Shock Protein Family (Hsp40) Member C3	1.66	0.98	4.22	4.85	-0.81	4.31E-01	2.46	3.28E-03	0.59	7.66E-01	EGA3-1
ENSMMUG000000013625	ATP11A	ATPase Phospholipid Transporting 11A	2.47	1.78	6.22	27.11	-0.72	4.46E-01	1.68	3.67E-02	1.51	1.90E-01	EGA3-1
ENSMMUG000000019297	CUL4A	Cullin 4A	4.01	8.79	29.53	21.60	1.11	1.45E-01	2.14	1.66E-03	-0.54	7.21E-01	EGA3-1

ENSMMUG0000007439	CDC16	Cell Division Cycle 16	8.13	7.03	33.06	20.74	-0.46	5.75E-01	1.98	1.75E-03	-0.66	5.99E-01	EGA3-1
ENSMMUG00000031416	LAMA5	Laminin Subunit Alpha 5	0.20	0.34	6.24	13.39	0.97	4.08E-01	4.88	9.79E-08	-0.02	9.95E-01	EGA3-1
ENSMMUG00000017300	PFDN4	Prefoldin Subunit 4	4.76	6.00	21.45	16.66	-0.79	4.72E-01	3.30	1.28E-04	-0.52	8.14E-01	EGA3-1
ENSMMUG00000045219	CEBPB	CCAAT/enhancer Binding Protein Beta	1.21	0.49	3.90	1.58	-2.60	9.82E-02	4.31	2.41E-03	-1.90	4.70E-01	EGA3-1
ENSMMUG00000019636	CSE1L	Chromosome Segregation 1 Like	33.63	65.18	144.17	135.62	0.89	1.28E-01	1.16	3.41E-02	-0.10	9.60E-01	EGA3-1
ENSMMUG00000019635	ARFGEF2	ADP Ribosylation Factor Guanine Nucleotide Exchange Factor 2	9.04	5.97	13.10	14.40	-0.67	3.26E-01	1.23	4.22E-02	-0.26	8.67E-01	EGA3-1
ENSMMUG00000007317	ZNF334	Zinc Finger Protein 334	0.90	0.54	3.24	1.92	-1.77	2.52E-01	3.30	1.52E-02	1.26	6.47E-01	EGA3-1
ENSMMUG00000048424	SDC4	Syndecan 4	0.11	0.13	9.71	22.12	-1.65	2.86E-01	6.77	2.66E-08	1.26	5.91E-01	EGA3-1
ENSMMUG00000013206	YWHAH	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase Activation Protein Beta	42.96	30.53	71.66	71.64	-0.71	3.84E-01	1.47	3.65E-02	0.29	8.78E-01	EGA3-1
ENSMMUG00000013969	SERINC3	Serine Incorporator 3	20.01	28.10	87.45	72.30	0.71	3.57E-01	1.56	1.85E-02	-0.04	9.87E-01	EGA3-1
ENSMMUG00000013968	TTPAL	Alpha Tocopherol Transfer Protein Like	0.93	0.78	4.17	1.68	-2.20	1.74E-01	4.30	2.61E-03	-1.70	5.24E-01	EGA3-1
ENSMMUG00000003385	DHX35	DEAH-box Helicase 35	5.12	3.17	8.82	15.95	-1.63	8.24E-02	1.82	4.34E-02	1.96	1.04E-01	EGA3-1
ENSMMUG00000046563	LOC703853	60S Ribosomal Protein L37	260.68	388.56	753.13	491.68	0.62	1.72E-01	0.90	3.23E-02	-0.22	8.28E-01	EGA3-1
ENSMMUG00000010403	LOC705546	Ubiquinol-cytochrome-c Reductase Complex Assembly Factor 1	0.66	1.15	2.81	2.07	-0.16	9.15E-01	2.28	1.39E-02	-0.73	7.18E-01	EGA3-1
ENSMMUG00000017940	GSS	Glutathione Synthetase	0.98	0.71	1.73	3.27	-1.55	3.18E-01	2.89	3.53E-02	-1.11	6.96E-01	EGA3-1
ENSMMUG00000018095	EIF2S2	Eukaryotic Translation Initiation Factor 2 Subunit Beta	60.86	50.15	140.98	114.62	-0.30	6.07E-01	1.81	2.42E-05	-0.54	5.10E-01	EGA3-1
ENSMMUG00000012600	TRIB3	Tribbles Pseudokinase 3	0.01	0.01	1.43	0.37	0.36	9.09E-01	7.33	5.30E-05	-4.51	7.60E-02	EGA3-1
ENSMMUG00000021670	SLC52A3	Solute Carrier Family 52 Member 3	0.00	0.00	0.27	1.06	1.15	7.52E-01	5.21	3.95E-02	2.39	6.19E-01	EGA3-1
ENSMMUG00000003633	SLC4A11	Solute Carrier Family 4 Member 11	1.13	1.97	10.82	2.96	0.05	9.79E-01	3.48	1.72E-03	-2.64	8.86E-02	EGA3-1
ENSMMUG00000044755			3.39	8.49	17.99	12.10	1.22	8.28E-02	1.54	1.98E-02	-0.60	6.60E-01	EGA3-1
ENSMMUG00000045636			2.18	3.15	49.60	10.89	-0.29	9.02E-01	4.02	6.58E-03	-1.29	6.81E-01	EGA3-1
ENSMMUG00000021137	TMX4	Thioredoxin Related Transmembrane Protein 4	1.57	1.60	11.95	27.53	-0.26	8.68E-01	3.08	2.48E-03	0.06	9.86E-01	EGA3-1
ENSMMUG00000009201	ABHD12	Abhydrolase Domain Containing 12	3.82	7.97	37.74	57.97	0.54	7.03E-01	2.38	2.52E-02	1.38	4.47E-01	EGA3-1
ENSMMUG00000011569			1.87	2.21	6.67	6.39	-0.04	9.73E-01	1.88	1.54E-02	0.48	7.94E-01	EGA3-1
ENSMMUG00000021376	GAS2L1	Growth Arrest Specific 2 Like 1	0.07	0.46	2.81	3.37	0.43	8.20E-01	5.59	1.82E-06	1.78	3.94E-01	EGA3-1
ENSMMUG00000039346	APOBEC3G	Apolipoprotein B MRNA Editing Enzyme Catalytic Subunit 3G	0.29	0.34	3.82	4.56	-1.84	2.53E-01	4.24	2.01E-03	1.78	4.71E-01	EGA3-1
ENSMMUG00000006059	TTL12	Tubulin Tyrosine Ligase Like 12	1.08	1.31	7.21	8.46	0.19	8.45E-01	2.36	2.02E-04	0.23	9.04E-01	EGA3-1
ENSMMUG00000015446	SAMM50	SAMM50 Sorting And Assembly Machinery Component	1.88	1.83	4.61	6.70	0.09	9.30E-01	1.37	3.48E-02	0.21	9.11E-01	EGA3-1
ENSMMUG00000008331	PLXNB2	Plexin B2	0.85	1.38	7.90	8.43	0.72	5.65E-01	2.28	2.49E-02	1.13	5.44E-01	EGA3-1
ENSMMUG00000003121	CPT1B	Carnitine Palmitoyltransferase 1B	0.07	0.06	0.74	0.70	-0.75	7.40E-01	3.87	1.62E-02	0.76	8.51E-01	EGA3-1
ENSMMUG00000011341	KIF1C	Kinesin Family Member 1C	0.73	1.02	2.18	4.73	-0.34	7.82E-01	1.96	2.47E-02	0.59	7.65E-01	EGA3-1
ENSMMUG00000016266	C16H17orf49	Chromosome 16 Open Reading Frame, Human C17orf49	4.08	1.76	6.85	3.01	-1.87	1.32E-01	2.85	1.25E-02	-2.32	1.58E-01	EGA3-1
ENSMMUG00000042228			0.71	1.41	4.94	5.52	0.83	3.92E-01	2.35	2.78E-03	0.18	9.50E-01	EGA3-1
ENSMMUG00000013503			2.35	2.39	12.32	14.00	-0.44	7.46E-01	2.17	2.79E-02	1.89	1.83E-01	EGA3-1
ENSMMUG00000013513	SHBG	Sex Hormone Binding Globulin	0.05	0.26	5.11	1.29	-0.08	9.83E-01	4.79	3.31E-02	-2.00	6.53E-01	EGA3-1

ENSMMUG00000014039	USP43	Ubiquitin Specific Peptidase 43	2.68	2.44	10.07	15.48	-0.41	6.58E-01	2.50	2.78E-04	0.46	7.87E-01	EGA3-1
ENSMMUG00000008050	HS3ST3A1	Heparan Sulfate-glucosamine 3-sulfotransferase 3A1	0.00	0.06	0.96	0.79	2.24	3.12E-01	5.52	1.01E-03	0.35	9.52E-01	EGA3-1
ENSMMUG00000002206	PMP22	Peripheral Myelin Protein 22	0.00	0.00	0.52	1.59	1.28	6.15E-01	6.48	1.23E-04	1.80	5.71E-01	EGA3-1
ENSMMUG00000008949	TTC19	Tetratricopeptide Repeat Domain 19	3.16	1.47	9.17	9.88	-2.00	8.03E-02	3.47	8.01E-04	0.90	6.92E-01	EGA3-1
ENSMMUG00000013535	SHMT1	Serine Hydroxymethyltransferase 1	0.99	2.85	12.55	9.27	1.60	1.74E-01	2.75	9.57E-03	-1.72	3.06E-01	EGA3-1
ENSMMUG00000030279	AKAP10	A-kinase Anchoring Protein 10	2.89	3.16	9.20	10.68	-0.61	6.34E-01	2.64	7.07E-03	-0.17	9.63E-01	EGA3-1
ENSMMUG00000046171	MTMR4	Myotubularin Related Protein 4	1.94	1.53	3.99	2.42	-0.97	2.23E-01	2.03	3.35E-03	-0.61	6.82E-01	EGA3-1
ENSMMUG00000017226	XYLT2	Xylosyltransferase 2	0.29	0.40	5.10	1.62	0.26	8.87E-01	5.36	1.58E-06	-2.04	2.63E-01	EGA3-1
ENSMMUG00000008870	SLC35B1	Solute Carrier Family 35 Member B1	5.92	4.01	8.45	6.08	-0.73	2.75E-01	1.45	1.39E-02	-0.65	5.55E-01	EGA3-1
ENSMMUG00000002436	PHOSPHO1	Phosphoethanolamine/p-hosphocholine Phosphatase	2.04	4.06	18.32	20.04	1.00	3.27E-01	1.87	3.84E-02	-0.03	9.94E-01	EGA3-1
ENSMMUG00000030213			7.57	4.41	19.86	23.97	-1.67	6.38E-02	2.28	7.22E-03	0.20	9.46E-01	EGA3-1
ENSMMUG00000007799	LASP1	LIM And SH3 Protein 1	13.70	14.29	94.68	77.81	-0.27	6.98E-01	2.92	8.32E-10	-0.14	9.28E-01	EGA3-1
ENSMMUG00000001348	ERBB2	Erb-b2 Receptor Tyrosine Kinase 2	0.66	0.66	1.95	3.76	0.34	7.71E-01	1.75	3.95E-02	1.16	4.08E-01	EGA3-1
ENSMMUG00000018931	ACLY	ATP Citrate Lyase	8.61	17.57	22.90	22.74	0.55	3.08E-01	1.20	1.01E-02	-0.57	4.95E-01	EGA3-1
ENSMMUG00000008459	PLEKHM1	Pleckstrin Homology And RUN Domain Containing M1	5.95	2.84	10.17	7.83	-0.86	2.39E-01	1.98	1.58E-03	-1.10	2.66E-01	EGA3-1
ENSMMUG00000040031			0.18	0.64	1.27	1.05	0.93	5.31E-01	2.42	4.20E-02	-1.91	3.50E-01	EGA3-1
ENSMMUG00000008726	NACA2	Nascent Polypeptide Associated Complex Alpha Subunit 2	9.01	13.49	28.16	20.10	0.57	3.37E-01	1.07	4.18E-02	-0.24	8.57E-01	EGA3-1
ENSMMUG00000007242	INTS2	Integrator Complex Subunit 2	0.66	1.18	4.64	4.94	0.55	6.35E-01	2.39	7.23E-03	0.32	9.02E-01	EGA3-1
ENSMMUG00000011647	ATP5H	ATP Synthase, H+ Transporting, Mitochondrial Fo Complex Subunit D	30.55	50.73	94.43	87.54	0.62	3.36E-01	1.22	3.13E-02	-0.35	7.94E-01	EGA3-1
ENSMMUG00000021765	GALK1	Galactokinase 1	0.13	0.20	1.18	1.16	0.46	8.45E-01	4.06	8.36E-03	-1.80	5.21E-01	EGA3-1
ENSMMUG00000014172	ACOX1	Acyl-CoA Oxidase 1	2.17	3.00	5.99	6.59	-0.16	9.10E-01	1.98	3.13E-02	-0.76	6.92E-01	EGA3-1
ENSMMUG00000003452			0.30	0.24	5.05	2.80	-0.98	6.97E-01	4.65	1.01E-02	-1.78	6.18E-01	EGA3-1
ENSMMUG00000003292	SLC38A10	Solute Carrier Family 38 Member 10	0.28	0.42	1.60	2.36	0.56	6.95E-01	2.54	1.74E-02	-0.75	7.57E-01	EGA3-1
ENSMMUG00000004457	SLC25A10	Solute Carrier Family 25 Member 10	0.70	3.21	8.01	6.30	1.17	2.51E-01	1.82	4.84E-02	-0.03	9.92E-01	EGA3-1
ENSMMUG00000009242	P4HB	Prolyl 4-hydroxylase Subunit Beta	15.87	18.63	38.87	53.06	0.11	8.68E-01	1.24	5.47E-03	0.58	4.65E-01	EGA3-1
ENSMMUG00000012895	PYCR1	Pyrroline-5-carboxylate Reductase 1	0.07	0.11	0.46	1.14	-1.95	2.90E-01	3.69	1.96E-02	2.70	2.46E-01	EGA3-1
ENSMMUG00000010892	LRRC45	Leucine Rich Repeat Containing 45	0.14	0.00	0.48	1.19	-3.94	7.45E-02	6.25	1.97E-03	1.35	7.73E-01	EGA3-1
ENSMMUG0000000588	RHBDF1	Rhomboid 5 Homolog 1	0.24	0.17	0.91	1.72	-2.19	1.76E-01	4.36	2.03E-03	1.44	6.03E-01	EGA3-1
ENSMMUG00000000613	RAB11FIP3	RAB11 Family Interacting Protein 3	0.63	0.28	1.73	1.25	-1.66	2.31E-01	3.41	4.82E-03	-1.05	6.84E-01	EGA3-1
ENSMMUG00000002807			0.65	0.23	1.76	1.31	-2.37	1.31E-01	3.08	3.50E-02	1.38	6.23E-01	EGA3-1
ENSMMUG00000001890	NUDT16L1	Nudix Hydrolase 16 Like 1	0.19	0.75	2.54	1.12	-2.04	4.06E-01	5.70	4.71E-03	0.55	9.32E-01	EGA3-1
ENSMMUG00000020056	LOC713693	Mpv17-like Protein	0.44	2.82	10.36	7.53	1.13	4.39E-01	2.48	4.67E-02	-0.46	8.93E-01	EGA3-1
ENSMMUG00000006604	COQ7	Coenzyme Q7, Hydroxylase	0.29	1.37	6.14	10.48	0.71	5.57E-01	3.60	6.77E-05	1.26	4.41E-01	EGA3-1
ENSMMUG00000013331	GDE1	Glycerophosphodiester Phosphodiesterase 1	0.78	2.61	10.52	13.96	0.51	5.27E-01	3.56	2.63E-09	-0.38	8.09E-01	EGA3-1

ENSMMUG00000017304	NDUFAB1	NADH:ubiquinone Oxidoreductase Subunit AB1	7.23	4.51	8.97	6.64	-0.86	9.17E-02	1.36	3.66E-03	-0.56	5.19E-01	EGA3-1
ENSMMUG00000014271	PRKCB	Protein Kinase C Beta	0.22	0.08	1.22	1.25	-1.83	3.00E-01	3.66	1.73E-02	-0.52	9.04E-01	EGA3-1
ENSMMUG00000000707	APOBR	Apolipoprotein B Receptor	0.07	0.04	0.98	1.44	-2.95	1.09E-01	5.98	2.76E-04	-0.39	9.42E-01	EGA3-1
ENSMMUG00000008253	ZNF267	Zinc Finger Protein 267	5.56	2.35	6.45	7.20	-1.06	2.77E-01	1.98	2.13E-02	0.03	9.94E-01	EGA3-1
ENSMMUG00000011940	VPS35	VPS35, Retromer Complex Component	15.78	13.91	29.02	32.76	-0.43	4.61E-01	1.22	1.08E-02	0.08	9.64E-01	EGA3-1
ENSMMUG00000003288	GPT2	Glutamic-pyruvic Transaminase 2	1.75	0.85	6.78	6.69	-0.92	3.90E-01	3.36	1.00E-04	-0.53	8.11E-01	EGA3-1
ENSMMUG00000018978	N4BP1	NEDD4 Binding Protein 1	1.80	1.88	4.51	7.07	-0.23	8.15E-01	1.82	7.95E-03	0.12	9.62E-01	EGA3-1
ENSMMUG00000003116	PAPD5	Poly(A) RNA Polymerase D5, Non-canonical	11.22	11.04	19.81	14.41	-0.18	7.47E-01	1.25	1.40E-03	-0.94	8.66E-02	EGA3-1
ENSMMUG00000038082			3.78	4.33	15.62	37.75	-0.27	8.52E-01	2.13	3.41E-02	1.40	3.95E-01	EGA3-1
ENSMMUG00000010378	MT1L	Metallothionein 1L, Pseudogene	9.18	6.42	34.62	130.77	-1.58	1.87E-01	2.58	1.74E-02	2.50	8.88E-02	EGA3-1
ENSMMUG00000020847	CMTM3	CKLF Like MARVEL Transmembrane Domain Containing 3	0.15	0.05	0.43	1.16	-2.36	2.07E-01	4.69	3.72E-03	1.45	6.60E-01	EGA3-1
ENSMMUG00000006752	NAE1	NEDD8 Activating Enzyme E1 Subunit 1	3.28	4.26	15.67	19.48	0.04	9.73E-01	1.85	4.97E-03	0.49	7.41E-01	EGA3-1
ENSMMUG00000011896			0.25	1.18	6.62	4.79	-0.27	9.12E-01	5.59	5.52E-05	-0.33	9.48E-01	EGA3-1
ENSMMUG00000016634	TMED6	Transmembrane P24 Trafficking Protein 6	0.03	1.13	2.65	0.91	1.23	6.15E-01	4.91	7.48E-03	0.07	9.92E-01	EGA3-1
ENSMMUG00000046007			4.87	13.68	37.35	27.38	1.13	2.62E-01	2.10	1.78E-02	-0.28	9.12E-01	EGA3-1
ENSMMUG00000013086	ATMIN	ATM Interactor	21.79	18.37	35.21	26.69	-0.48	4.75E-01	1.14	4.57E-02	-0.52	6.41E-01	EGA3-1
ENSMMUG00000017161	ANKRD11	Ankyrin Repeat Domain 11	14.53	10.32	27.22	29.32	-0.50	5.61E-01	1.63	1.72E-02	-0.21	9.17E-01	EGA3-1
ENSMMUG00000047345			0.03	0.12	1.86	3.37	-0.66	8.82E-01	6.03	3.59E-02	-0.14	9.89E-01	EGA3-1
ENSMMUG00000019893	MYL12A	Myosin, Light Chain 12A, Regulatory, Non- sarcomeric	18.20	10.28	42.83	54.52	-0.58	4.28E-01	2.04	6.10E-04	0.53	6.85E-01	EGA3-1
ENSMMUG00000004054	YES1	YES Proto-oncogene 1, Src Family Tyrosine Kinase	38.29	18.36	51.81	48.08	-1.24	9.34E-02	1.73	1.22E-02	-0.48	7.60E-01	EGA3-1
ENSMMUG00000021095	DSG2	Desmoglein 2	12.31	17.65	41.36	31.11	0.04	9.51E-01	1.59	2.26E-04	-0.37	7.01E-01	EGA3-1
ENSMMUG00000000457	GALNT1	Polypeptide N- acetylgalactosaminyltran sferase 1	2.45	2.45	7.79	4.92	-0.55	6.02E-01	2.30	5.13E-03	-0.97	5.26E-01	EGA3-1
ENSMMUG00000003570	ATP5A1	ATP Synthase, H+ Transporting, Mitochondrial F1 Complex, Alpha Subunit 1, Cardiac Muscle	54.99	31.98	153.32	214.36	-0.72	1.51E-01	2.24	1.55E-07	0.39	6.81E-01	EGA3-1
ENSMMUG00000038933			20.44	28.28	156.17	410.15	0.79	4.05E-01	2.32	3.00E-03	1.75	1.15E-01	EGA3-1
ENSMMUG00000018837	RPL17	Ribosomal Protein L17	20.10	42.41	93.67	88.80	0.94	6.05E-02	1.56	6.71E-04	-0.56	5.20E-01	EGA3-1
ENSMMUG00000004431			0.62	1.62	52.10	337.18	1.15	3.27E-01	3.43	3.18E-04	2.46	5.80E-02	EGA3-1
ENSMMUG00000004408	SEC11C	SEC11 Homolog C, Signal Peptidase Complex Subunit	0.84	0.96	5.02	3.75	-0.79	5.81E-01	2.90	1.00E-02	0.02	9.97E-01	EGA3-1
ENSMMUG000000032514	LOC697334	Small Nuclear Ribonucleoprotein G Pseudogene	19.93	47.86	143.76	91.88	0.89	3.26E-01	2.15	5.35E-03	-0.27	9.05E-01	EGA3-1
ENSMMUG00000002209	KIAA1468	KIAA1468 Ortholog	1.09	2.47	5.83	11.37	1.12	1.66E-01	1.60	3.33E-02	1.23	2.80E-01	EGA3-1
ENSMMUG00000006578	KDSR	3- ketodihydrosphingosine Reductase	1.53	2.14	9.63	3.91	-1.24	1.44E-01	3.74	2.66E-07	-1.33	2.62E-01	EGA3-1
ENSMMUG00000032496			63.00	35.58	385.47	612.78	-0.95	1.75E-01	3.65	5.44E-10	0.45	7.53E-01	EGA3-1
ENSMMUG00000022104			2.67	3.10	6.01	3.82	-1.59	2.71E-01	2.55	4.96E-02	1.44	5.33E-01	EGA3-1
ENSMMUG00000009014	MBD3	Methyl-CpG Binding Domain Protein 3	0.30	1.08	3.44	7.08	0.50	6.52E-01	2.51	2.40E-03	0.80	6.38E-01	EGA3-1
ENSMMUG00000042809	MYDGF	Myeloid Derived Growth Factor	0.48	0.65	3.10	3.89	-0.35	8.03E-01	2.52	1.00E-02	2.08	1.33E-01	EGA3-1
ENSMMUG00000037584	ZNF558	Zinc Finger Protein 558	0.73	0.37	2.18	1.39	-1.20	4.21E-01	3.16	1.11E-02	-0.47	8.95E-01	EGA3-1

ENSMMUG00000007729	ILVBL	IlvB Acetolactate Synthase Like	0.64	0.50	4.48	1.89	-1.48	2.19E-01	2.86	7.04E-03	0.20	9.60E-01	EGA3-1
ENSMMUG00000015783	TPM4	Tropomyosin 4	12.77	18.12	108.65	285.05	0.83	3.83E-01	2.44	1.99E-03	1.88	8.67E-02	EGA3-1
ENSMMUG00000000195	PGLS	6-phosphogluconolactonase	0.47	0.63	2.17	5.60	-0.76	6.87E-01	3.00	3.93E-02	-1.15	7.01E-01	EGA3-1
ENSMMUG00000043638			5.18	8.21	16.45	14.34	0.10	9.11E-01	1.35	1.91E-02	0.75	4.53E-01	EGA3-1
ENSMMUG00000021690	C19H19orf12	Chromosome 19 Open Reading Frame, Human C19orf12	0.14	0.74	3.33	2.57	1.59	3.84E-01	3.22	3.92E-02	-0.42	9.31E-01	EGA3-1
ENSMMUG00000011319	KCTD15	Potassium Channel Tetramerization Domain Containing 15	0.66	0.65	1.69	1.64	-1.32	3.25E-01	2.95	1.01E-02	1.62	4.05E-01	EGA3-1
ENSMMUG00000005884	UBA2	Ubiquitin Like Modifier Activating Enzyme 2	13.38	25.00	43.67	43.46	0.36	5.54E-01	1.61	5.97E-04	-0.04	9.81E-01	EGA3-1
ENSMMUG00000019753	APLP1	Amyloid Beta Precursor Like Protein 1	0.10	0.40	2.63	7.38	1.48	3.16E-01	3.64	3.04E-03	0.61	8.51E-01	EGA3-1
ENSMMUG00000000522	POLR2I	RNA Polymerase II Subunit I	3.55	5.45	12.81	9.71	-1.03	3.40E-01	2.29	1.39E-02	-1.04	5.51E-01	EGA3-1
ENSMMUG00000000523	TBCB	Tubulin Folding Cofactor B	2.08	6.21	14.46	10.15	1.31	1.95E-01	2.51	4.75E-03	-0.92	5.99E-01	EGA3-1
ENSMMUG00000028785	ZNF146	Zinc Finger Protein 146	14.22	9.32	20.31	26.60	-0.40	5.33E-01	1.09	4.04E-02	0.18	9.03E-01	EGA3-1
ENSMMUG00000028772	PPP1R14A	Protein Phosphatase 1 Regulatory Inhibitor Subunit 14A	0.05	0.07	10.08	2.31	1.19	5.26E-01	5.66	1.67E-05	0.80	8.13E-01	EGA3-1
ENSMMUG00000028743	FKRP	Fukutin Related Protein	0.24	0.17	2.05	2.05	-1.39	3.80E-01	6.27	5.47E-07	-1.75	4.42E-01	EGA3-1
ENSMMUG00000001519	KIR2DL4	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 4	0.00	0.12	4.41	3.17	2.46	2.55E-01	5.74	6.91E-04	-1.92	5.54E-01	EGA3-1
ENSMMUG00000005266	NLRP7	NLR Family Pyrin Domain Containing 7	81.88	71.68	392.56	661.75	-0.78	2.68E-01	2.92	4.84E-07	0.32	8.36E-01	EGA3-1
ENSMMUG00000046378	ZFY	Zinc Finger Protein, Y-linked	0.05	0.26	0.59	1.96	0.94	5.67E-01	2.59	4.98E-02	1.92	3.54E-01	EGA3-1
ENSMMUG00000028699	ND1	NADH Dehydrogenase Subunit 1	7774.75	#####	#####	#####	1.18	1.11E-01	2.07	1.92E-03	-0.62	6.61E-01	EGA3-1
ENSMMUG00000028695	ND2	NADH Dehydrogenase Subunit 2	8141.42	#####	#####	#####	1.06	1.89E-01	2.55	2.43E-04	-0.91	4.80E-01	EGA3-1
ENSMMUG00000028686	COX2	Cytochrome C Oxidase Subunit II	#####	#####	#####	#####	0.98	1.71E-01	1.55	1.74E-02	0.41	7.90E-01	EGA3-1
ENSMMUG00000028683	ATP6	ATP Synthase FO Subunit 6	4706.97	#####	#####	#####	1.10	1.71E-01	2.39	6.89E-04	0.66	6.60E-01	EGA3-1
ENSMMUG00000028682	COX3	Cytochrome C Oxidase Subunit III	6019.36	#####	#####	#####	0.92	2.53E-01	1.83	9.33E-03	0.79	5.53E-01	EGA3-1
ENSMMUG00000028680	ND3	NADH Dehydrogenase Subunit 3	2084.70	5470.01	#####	#####	1.24	1.19E-01	2.85	4.56E-05	-1.21	2.91E-01	EGA3-1
ENSMMUG00000028678	ND4L	NADH Dehydrogenase Subunit 4L	#####	#####	#####	#####	0.89	2.89E-01	2.47	4.60E-04	-0.21	9.29E-01	EGA3-1
ENSMMUG00000028677	ND4	NADH Dehydrogenase Subunit 4	#####	#####	#####	#####	0.99	2.10E-01	2.39	4.08E-04	-0.25	9.00E-01	EGA3-1
ENSMMUG00000028670	CYTB	Cytochrome B	6452.39	#####	#####	#####	0.79	3.63E-01	2.11	3.90E-03	0.01	9.97E-01	EGA3-1
ENSMMUG00000038531	LOC694126	Zinc Finger Protein 257-like	19.27	38.01	63.94	52.82	0.91	7.41E-02	1.02	3.77E-02	-0.13	9.32E-01	EGA3-1
ENSMMUG00000040833			0.01	0.06	1.11	2.90	2.16	2.31E-01	5.96	9.29E-06	0.48	9.05E-01	EGA3-1
ENSMMUG00000044460			0.00	0.79	2.77	5.48	2.95	7.63E-02	4.45	6.41E-04	0.34	9.38E-01	EGA3-1
ENSMMUG00000049201			0.45	0.09	0.92	3.18	-2.63	1.22E-01	3.75	1.74E-02	1.21	7.21E-01	EGA3-1
ENSMMUG00000038665			4.49	3.91	10.41	7.90	-0.45	6.63E-01	1.66	3.98E-02	-0.50	7.92E-01	EGA3-1
ENSMMUG00000042590			3.69	1.22	5.17	6.54	-1.27	4.18E-01	2.73	4.46E-02	0.91	7.65E-01	EGA3-1
ENSMMUG00000044758			6.37	2.92	7.89	10.02	-1.37	1.32E-01	2.33	4.87E-03	-0.51	8.03E-01	EGA3-1
ENSMMUG00000042212	DUT	Deoxyuridine Triphosphatase	8.68	5.84	14.60	10.68	-0.93	1.70E-01	1.80	2.86E-03	-0.56	6.54E-01	EGA3-1
ENSMMUG00000038507	DUT	Deoxyuridine Triphosphatase	8.68	5.84	14.59	10.68	-0.93	1.69E-01	1.80	2.86E-03	-0.56	6.54E-01	EGA3-1

ENSMMUG00000047531	DUT	Deoxyuridine Triphosphatase	9.73	7.36	17.59	13.30	-0.79	2.18E-01	1.83	1.14E-03	-0.56	6.29E-01	EGA3-1
ENSMMUG00000029693			0.00	0.35	1.08	0.58	0.38	9.24E-01	6.09	9.47E-03	0.52	9.48E-01	EGA3-1
ENSMMUG00000045979			22.64	73.49	154.16	130.08	1.32	9.17E-02	1.82	1.22E-02	-0.61	6.91E-01	EGA3-1
ENSMMUG00000047065			13.31	9.68	37.00	15.44	-1.06	1.92E-01	2.57	2.55E-04	-0.88	5.10E-01	EGA3-1
ENSMMUG00000039665			0.44	0.10	1.02	1.55	-3.19	1.32E-01	4.59	1.94E-02	0.77	8.78E-01	EGA3-1
ENSMMUG00000049171			102.22	56.67	669.92	1076.21	-0.95	1.72E-01	3.75	1.24E-10	0.49	7.22E-01	EGA3-1
ENSMMUG00000040835			7.17	4.94	18.71	32.36	-0.60	6.44E-01	2.04	4.77E-02	0.99	6.14E-01	EGA3-1
ENSMMUG0000006988			9.01	21.50	40.08	66.11	1.05	5.46E-02	1.29	1.29E-02	0.53	5.99E-01	EGA3-1
ENSMMUG00000043190			13.25	15.60	51.69	66.33	0.03	9.80E-01	2.25	6.50E-03	0.47	8.16E-01	EGA3-1
ENSMMUG00000014009			45.33	62.39	394.60	1021.38	0.74	4.41E-01	2.49	1.50E-03	1.91	7.64E-02	EGA3-1
ENSMMUG00000043022			0.71	1.37	14.41	11.37	0.65	6.88E-01	4.20	1.68E-04	0.60	8.42E-01	EGA3-1
ENSMMUG00000018916			0.41	0.10	1.63	1.01	-5.92	3.91E-03	8.45	1.86E-05	-2.47	4.90E-01	EGA3-2
ENSMMUG00000041004			1.86	0.02	2.76	2.41	-6.70	4.40E-04	6.63	5.45E-04	-0.58	9.15E-01	EGA3-2
ENSMMUG00000012733	FBXO42	F-box Protein 42	2.20	0.93	2.24	5.25	-2.86	1.75E-02	2.75	2.09E-02	0.12	9.78E-01	EGA3-2
ENSMMUG00000006697	AKR7A2	Aldo-keto Reductase Family 7, Member A2 (aflatoxin Aldehyde Reductase)	3.41	0.26	3.48	5.34	-3.95	4.74E-04	4.63	2.89E-05	-0.46	8.85E-01	EGA3-2
ENSMMUG00000012700	PIGV	Phosphatidylinositol Glycan Anchor Biosynthesis Class V	0.88	0.37	1.65	1.32	-2.09	2.51E-02	2.79	1.64E-03	-0.20	9.48E-01	EGA3-2
ENSMMUG00000023397	PEF1	Penta-EF-hand Domain Containing 1	5.05	1.81	4.53	5.77	-2.94	2.60E-03	2.50	1.11E-02	0.76	7.26E-01	EGA3-2
ENSMMUG00000005992	ZMPSTE24	Zinc Metallopeptidase STE24	7.68	1.98	6.74	7.15	-1.93	1.92E-03	1.95	1.63E-03	-0.51	7.11E-01	EGA3-2
ENSMMUG00000009234	ZNF684	Zinc Finger Protein 684	2.54	0.66	1.80	1.10	-1.90	9.03E-03	1.48	4.78E-02	-0.84	5.29E-01	EGA3-2
ENSMMUG00000044175			0.14	0.14	0.63	2.64	-5.46	9.77E-03	5.08	1.73E-02	-0.35	9.64E-01	EGA3-2
ENSMMUG00000013126	PPCS	Phosphopantothenoylcysteine Synthetase	8.64	0.64	7.00	10.42	-4.80	1.86E-06	3.62	5.02E-04	0.39	8.98E-01	EGA3-2
ENSMMUG00000020049	PGM1	Phosphoglucomutase 1	0.86	0.23	4.77	5.39	-3.23	2.05E-02	5.31	3.74E-05	0.76	8.15E-01	EGA3-2
ENSMMUG00000039930			2.19	1.05	7.97	11.20	-1.62	8.46E-03	3.24	1.36E-08	0.57	6.41E-01	EGA3-2
ENSMMUG00000000931	SLC35A3	Solute Carrier Family 35 Member A3	3.35	0.78	5.63	6.05	-2.04	1.74E-02	3.25	5.03E-05	-0.81	6.26E-01	EGA3-2
ENSMMUG00000007706	DBT	Dihydrolipoamide Branched Chain Transacylase E2	1.18	0.25	2.51	3.58	-2.80	2.02E-02	2.73	2.21E-02	0.97	6.98E-01	EGA3-2
ENSMMUG00000019105	RTCA	RNA 3'-terminal Phosphate Cyclase	3.54	0.49	2.51	16.47	-4.88	5.20E-05	3.21	1.18E-02	1.95	3.32E-01	EGA3-2
ENSMMUG00000014486	RAP1A	RAP1A, Member Of RAS Oncogene Family	183.41	30.42	130.30	143.80	-2.77	5.10E-08	2.33	7.32E-06	0.25	8.65E-01	EGA3-2
ENSMMUG00000027219	MIR554	MicroRNA 554	0.26	0.00	1.46	0.28	-17.40	1.07E-02	#####	2.35E-02	15.46	9.19E-02	EGA3-2
ENSMMUG00000019547	UBE2Q1	Ubiquitin Conjugating Enzyme E2 Q1	16.22	3.47	8.77	8.83	-2.91	4.75E-05	1.94	9.72E-03	0.32	8.76E-01	EGA3-2
ENSMMUG00000023144	FDPS	Farnesyl Diphosphate Synthase	4.80	1.82	7.66	16.85	-2.09	3.88E-02	2.89	2.32E-03	1.77	2.23E-01	EGA3-2
ENSMMUG00000048590	RNF187	Ring Finger Protein 187	3.26	1.36	9.77	8.65	-1.96	4.26E-02	3.54	5.88E-05	0.57	7.97E-01	EGA3-2
ENSMMUG00000002142	NENF	Neudessin Neurotrophic Factor	1.59	0.06	2.44	6.43	-5.97	3.05E-07	5.87	4.84E-07	1.52	4.64E-01	EGA3-2
ENSMMUG00000016857	PTGS2	Prostaglandin-endoperoxide Synthase 2	2.00	0.03	0.77	0.34	-6.27	5.28E-06	4.87	5.60E-04	-0.75	8.37E-01	EGA3-2
ENSMMUG00000040608			0.44	0.13	2.00	1.20	-4.86	9.16E-05	5.38	1.09E-05	1.25	6.27E-01	EGA3-2
ENSMMUG00000005888	TTC13	Tetratricopeptide Repeat Domain 13	0.44	0.04	0.76	2.50	-4.67	8.72E-04	5.12	1.79E-04	2.49	2.30E-01	EGA3-2
ENSMMUG00000005801	GNPAT	Glyceronephosphate O-acyltransferase	5.25	1.64	4.20	1.72	-1.71	9.19E-03	1.41	3.39E-02	-1.08	2.92E-01	EGA3-2
ENSMMUG00000020334	PROS1	Protein S	0.35	0.07	0.60	2.13	-5.03	3.35E-04	4.07	4.17E-03	3.27	8.84E-02	EGA3-2
ENSMMUG00000019933	TATDN2	TatD DNase Domain Containing 2	4.30	2.41	5.84	6.69	-1.68	1.02E-02	1.83	4.18E-03	0.66	6.01E-01	EGA3-2
ENSMMUG00000018285	CRELD1	Cysteine Rich With EGF Like Domains 1	0.34	0.07	1.46	0.88	-2.90	2.47E-02	3.79	1.80E-03	1.94	3.23E-01	EGA3-2
ENSMMUG00000006120	CAMK1	Calcium/calmodulin Dependent Protein Kinase I	4.04	0.35	3.48	5.07	-4.18	6.14E-03	4.17	5.70E-03	0.20	9.71E-01	EGA3-2

ENSMMUG00000004734	SUMF1	Sulfatase Modifying Factor 1	0.80	0.30	2.41	5.52	-4.01	6.97E-03	6.30	6.82E-06	-0.85	8.09E-01	EGA3-2
ENSMMUG00000017370	SPCS1	Signal Peptidase Complex Subunit 1	20.39	7.89	62.50	72.66	-1.69	4.95E-02	3.64	2.59E-06	-0.17	9.52E-01	EGA3-2
ENSMMUG00000003650	TMEM42	Transmembrane Protein 42	0.88	0.29	4.81	2.07	-4.18	4.31E-03	7.18	2.25E-07	-2.93	1.80E-01	EGA3-2
ENSMMUG00000010552	DCUN1D1	Defective In Cullin Neddylation 1 Domain Containing 1	6.87	2.03	19.59	7.28	-1.85	1.95E-02	2.10	6.30E-03	-0.61	7.17E-01	EGA3-2
ENSMMUG00000037938	C2H3orf33	Chromosome 2 Open Reading Frame, Human C3orf33	0.76	0.24	0.58	0.36	-3.03	1.53E-03	2.99	1.81E-03	-1.58	3.04E-01	EGA3-2
ENSMMUG00000045385			3.84	0.95	4.23	3.99	-2.27	1.55E-04	2.70	4.50E-06	-0.04	9.87E-01	EGA3-2
ENSMMUG00000001443	CMTM6	CKLF Like MARVEL Transmembrane Domain Containing 6	14.46	2.46	6.91	17.48	-2.79	4.97E-04	1.88	2.49E-02	0.44	8.28E-01	EGA3-2
ENSMMUG00000009091	MTPP	Microsomal Triglyceride Transfer Protein	0.06	0.01	0.11	1.12	-6.33	5.45E-04	7.02	1.06E-04	3.18	2.49E-01	EGA3-2
ENSMMUG00000001841	SETD7	SET Domain Containing Lysine Methyltransferase 7	0.75	0.40	0.72	1.07	-3.65	2.09E-02	3.58	1.99E-02	2.20	3.76E-01	EGA3-2
ENSMMUG00000041723			1.04	0.60	9.42	0.47	-5.47	1.65E-02	6.65	2.43E-03	-2.94	4.58E-01	EGA3-2
ENSMMUG00000046352	PTTG1IP	PTTG1 Interacting Protein	10.19	5.38	14.52	12.92	-1.45	2.15E-02	1.51	1.46E-02	0.71	5.33E-01	EGA3-2
ENSMMUG00000004173	PFKL	Phosphofructokinase, Liver Type	0.57	0.19	7.80	15.23	-3.31	5.66E-03	7.75	8.61E-13	1.57	4.31E-01	EGA3-2
ENSMMUG00000003961	IFNAR1	Interferon Alpha And Beta Receptor Subunit 1	2.13	0.49	7.30	5.00	-2.94	7.03E-03	4.24	3.76E-05	0.93	6.79E-01	EGA3-2
ENSMMUG00000015545	ZDHHC4	Zinc Finger DHHC-type Containing 4	1.64	0.72	2.35	2.63	-3.72	5.30E-03	2.86	3.62E-02	1.62	4.92E-01	EGA3-2
ENSMMUG00000023063	BCL7B	BCL Tumor Suppressor 7B	6.91	1.95	8.47	6.68	-2.10	2.79E-02	2.09	2.59E-02	0.35	8.93E-01	EGA3-2
ENSMMUG00000001143	CLDN3	Claudin 3	0.20	0.25	5.60	17.15	-6.26	1.23E-02	6.90	4.95E-03	0.53	9.48E-01	EGA3-2
ENSMMUG00000032597			0.73	0.16	5.95	12.57	-2.47	4.42E-02	4.94	6.07E-06	1.98	2.37E-01	EGA3-2
ENSMMUG00000003433	SLC26A5	Solute Carrier Family 26 Member 5	0.51	0.04	0.68	0.88	-3.60	1.81E-02	3.67	1.39E-02	1.08	7.45E-01	EGA3-2
ENSMMUG00000007097	TES	Testin LIM Domain Protein	32.67	11.19	37.61	22.92	-1.51	2.11E-02	1.36	3.69E-02	-0.66	5.90E-01	EGA3-2
ENSMMUG00000002273	ATP6V0E2	ATPase H+ Transporting V0 Subunit E2	1.48	0.16	0.32	0.50	-5.26	1.10E-05	2.71	3.71E-02	-0.07	9.87E-01	EGA3-2
ENSMMUG00000020456	SLC4A2	Solute Carrier Family 4 Member 2	2.03	0.63	3.30	4.73	-1.82	7.40E-03	2.73	2.25E-05	-0.41	8.03E-01	EGA3-2
ENSMMUG00000015040	SREK1IP1	SREK1 Interacting Protein 1	50.23	21.97	52.01	16.07	-2.09	2.55E-02	2.09	2.38E-02	-1.61	2.47E-01	EGA3-2
ENSMMUG00000007683	ERBIN	ErbB2 Interacting Protein	16.76	7.95	15.21	14.71	-1.09	1.98E-02	1.14	1.29E-02	-0.42	6.58E-01	EGA3-2
ENSMMUG00000023513	ANKRA2	Ankyrin Repeat Family A Member 2	7.61	0.82	3.45	3.28	-4.72	4.72E-05	3.10	1.09E-02	-0.29	9.45E-01	EGA3-2
ENSMMUG00000006144	POLK	DNA Polymerase Kappa	1.54	0.67	2.26	3.96	-1.46	4.59E-02	1.63	2.14E-02	1.23	2.50E-01	EGA3-2
ENSMMUG00000018974	LYSMD3	LysM Domain Containing 3	5.26	1.49	7.41	6.82	-2.39	7.47E-03	2.87	8.65E-04	-0.36	8.83E-01	EGA3-2
ENSMMUG00000001209	ARSK	Arylsulfatase Family Member K	1.63	0.14	0.41	0.33	-4.25	2.10E-05	2.30	3.54E-02	-0.76	7.51E-01	EGA3-2
ENSMMUG00000040124	LOC698520	Glycine Cleavage System H Protein, Mitochondrial	5.10	1.26	55.21	95.63	-3.69	3.11E-05	6.97	5.07E-17	1.39	3.29E-01	EGA3-2
ENSMMUG00000001376	YTHDC2	YTH Domain Containing 2	12.09	3.30	5.56	5.89	-2.49	3.49E-04	1.58	3.21E-02	-0.91	4.75E-01	EGA3-2
ENSMMUG00000008738	COMMD10	COMM Domain Containing 10	2.05	0.98	5.59	9.64	-3.00	2.86E-02	2.94	2.89E-02	3.26	6.46E-02	EGA3-2
ENSMMUG00000033828			0.02	0.05	5.51	4.21	-14.86	2.85E-07	#####	5.56E-16	3.19	5.67E-01	EGA3-2
ENSMMUG00000007087	SLC22A5	Solute Carrier Family 22 Member 5	0.81	0.06	0.87	1.06	-4.53	1.06E-04	4.38	1.80E-04	1.49	4.92E-01	EGA3-2
ENSMMUG00000009396	HSPA4	Heat Shock Protein Family A (Hsp70) Member 4	36.77	12.30	37.74	36.68	-1.58	1.13E-03	1.73	2.62E-04	-0.01	9.94E-01	EGA3-2

ENSMMUG00000019817	GRK6	G Protein-coupled Receptor Kinase 6	2.05	0.50	1.87	2.16	-5.45	1.04E-03	3.71	3.17E-02	1.95	5.18E-01	EGA3-2
ENSMMUG00000011031	PSMG4	Proteasome Assembly Chaperone 4	1.97	0.21	1.77	3.26	-6.08	4.29E-05	5.81	8.58E-05	0.03	9.96E-01	EGA3-2
ENSMMUG00000045668	ZFP57	ZFP57 Zinc Finger Protein	0.51	2.10	5.28	5.10	-4.24	5.90E-03	6.70	4.31E-06	-2.43	3.08E-01	EGA3-2
ENSMMUG00000003858	RXRβ	Retinoid X Receptor Beta	2.76	0.60	3.53	4.26	-4.08	1.91E-04	3.92	3.11E-04	1.05	6.43E-01	EGA3-2
ENSMMUG00000021734	LEMD2	LEM Domain Containing 2	0.88	0.19	1.26	1.98	-3.65	4.36E-03	4.10	9.55E-04	1.21	6.37E-01	EGA3-2
ENSMMUG00000005675	UBR2	Ubiquitin Protein Ligase E3 Component N-recogin 2	7.61	2.04	11.10	8.19	-1.88	5.74E-03	2.59	6.61E-05	-0.90	4.48E-01	EGA3-2
ENSMMUG00000005340	FBXO9	F-box Protein 9	16.12	5.36	9.61	8.05	-1.40	1.37E-02	1.23	3.09E-02	-1.02	2.29E-01	EGA3-2
ENSMMUG00000001659	FBXL4	F-box And Leucine Rich Repeat Protein 4	2.66	0.68	2.47	1.86	-4.20	1.74E-04	3.21	5.20E-03	0.56	8.51E-01	EGA3-2
ENSMMUG00000022287	ASCC3	Activating Signal Cointegrator 1 Complex Subunit 3	11.56	4.00	13.00	23.03	-1.51	9.79E-03	1.65	3.84E-03	0.61	5.83E-01	EGA3-2
ENSMMUG00000041812			1.84	0.19	6.03	1.66	-3.53	7.35E-03	3.66	5.10E-03	-0.66	8.44E-01	EGA3-2
ENSMMUG00000017558	DCBLD1	Discoidin, CUB And LCCL Domain Containing 1	9.20	2.92	6.79	4.50	-2.13	2.10E-02	1.92	3.80E-02	-1.19	4.50E-01	EGA3-2
ENSMMUG00000000535	AMD1	Adenosylmethionine Decarboxylase 1	76.58	22.23	57.06	37.98	-1.91	3.74E-07	1.27	1.28E-03	0.02	9.89E-01	EGA3-2
ENSMMUG00000018332	FAM98B	Family With Sequence Similarity 98 Member B	7.77	1.53	6.90	10.28	-3.00	1.68E-03	3.22	5.98E-04	1.04	5.73E-01	EGA3-2
ENSMMUG00000009867	REC114	REC114 Meiotic Recombination Protein	6.97	3.20	8.08	12.24	-2.44	9.30E-04	2.47	7.21E-04	1.52	1.66E-01	EGA3-2
ENSMMUG00000008213	RCN2	Reticulocalbin 2	3.06	0.54	9.58	17.34	-2.82	6.63E-03	5.18	9.33E-08	0.05	9.91E-01	EGA3-2
ENSMMUG00000011838	IDH3A	Isocitrate Dehydrogenase 3 (NAD(+)) Alpha	9.73	3.18	13.46	31.48	-2.13	1.97E-03	2.04	2.86E-03	1.45	1.44E-01	EGA3-2
ENSMMUG00000010740	PSMA4	Proteasome Subunit Alpha 4	7.69	3.02	7.98	13.23	-1.61	4.30E-02	1.84	1.66E-02	1.08	4.06E-01	EGA3-2
ENSMMUG00000039812			0.11	0.00	2.22	3.20	-18.85	2.08E-07	#####	4.26E-10	4.06	5.80E-01	EGA3-2
ENSMMUG00000000040	EGLN3	Egl-9 Family Hypoxia Inducible Factor 3	6.81	3.02	10.08	7.00	-2.27	1.69E-02	3.10	5.97E-04	-1.49	3.12E-01	EGA3-2
ENSMMUG00000049154	BEX3	Brain Expressed X-linked 3	1.79	0.36	5.97	9.13	-6.42	2.92E-05	6.33	3.33E-05	3.60	1.05E-01	EGA3-2
ENSMMUG00000009012	FAM3A	Family With Sequence Similarity 3 Member A	0.67	0.15	0.47	1.80	-3.75	1.26E-02	3.47	2.34E-02	-0.29	9.55E-01	EGA3-2
ENSMMUG00000006307	RMDN1	Regulator Of Microtubule Dynamics 1	5.19	0.97	4.89	10.25	-3.27	2.23E-03	2.52	2.10E-02	2.49	9.16E-02	EGA3-2
ENSMMUG00000046292			1.09	0.79	4.87	11.43	-4.45	1.27E-02	3.83	3.19E-02	3.28	1.90E-01	EGA3-2
ENSMMUG00000014666	PYCR3	Pyrroline-5-carboxylate Reductase 3	0.12	0.05	1.05	0.96	-5.26	3.48E-02	7.80	7.84E-04	0.93	8.93E-01	EGA3-2
ENSMMUG00000000203	PUS7L	Pseudouridylate Synthase 7 Like	2.61	0.41	19.25	6.39	-2.77	9.14E-03	3.17	2.12E-03	1.47	4.12E-01	EGA3-2
ENSMMUG00000021655	HDAC7	Histone Deacetylase 7	0.44	0.05	7.38	2.09	-3.62	1.12E-03	7.74	4.40E-14	-0.68	7.97E-01	EGA3-2
ENSMMUG00000006288			0.44	0.03	0.31	1.43	-5.17	3.67E-03	4.38	1.46E-02	3.27	2.03E-01	EGA3-2
ENSMMUG00000046478	WASHC3	WASH Complex Subunit 3	2.44	0.54	2.44	4.15	-2.42	7.33E-03	2.47	5.59E-03	-0.09	9.77E-01	EGA3-2
ENSMMUG00000023469	HSP90B1	Heat Shock Protein 90 Beta Family Member 1	202.19	94.36	449.81	752.10	-1.47	3.71E-02	2.58	6.41E-05	0.80	5.15E-01	EGA3-2
ENSMMUG00000017133			50.17	22.36	79.53	39.68	-2.21	9.33E-03	2.19	8.99E-03	0.53	7.90E-01	EGA3-2
ENSMMUG00000031493	RILPL2	Rab Interacting Lysosomal Protein Like 2	2.62	0.23	1.54	0.53	-9.05	9.08E-06	5.37	1.52E-02	2.74	5.02E-01	EGA3-2
ENSMMUG00000010696	KLF6	Kruppel Like Factor 6	4.11	1.20	8.25	19.04	-2.95	6.91E-03	4.24	4.19E-05	1.12	5.94E-01	EGA3-2
ENSMMUG00000019780	ANXA11	Annexin A11	20.08	5.61	47.52	69.66	-2.14	7.03E-04	2.41	1.00E-04	0.92	4.00E-01	EGA3-2
ENSMMUG00000015708	ANXA7	Annexin A7	9.26	3.00	8.46	11.37	-1.96	4.63E-04	1.85	9.59E-04	0.85	3.76E-01	EGA3-2
ENSMMUG00000014715	FRA10AC1	Fragile Site, Folic Acid Type, Rare, Fra(10)(q23.3) Or Fra(10)(q24.2) Candidate 1	9.13	1.30	2.10	1.70	-4.41	7.73E-07	2.74	3.74E-03	-0.89	6.48E-01	EGA3-2

ENSMMUG00000006751	DPCD	Deleted In Primary Ciliary Dyskinesia Homolog (mouse)	17.05	3.60	11.21	6.89	-2.53	2.06E-02	2.24	4.18E-02	-1.92	2.36E-01	EGA3-2
ENSMMUG00000007660	BORCS7	BLOC-1 Related Complex Subunit 7	1.67	0.41	4.65	2.36	-3.11	6.27E-03	4.52	2.68E-05	-0.27	9.46E-01	EGA3-2
ENSMMUG00000008291	SFXN4	Sideroflexin 4	2.18	0.64	9.63	10.16	-2.70	3.38E-02	4.75	4.72E-05	-0.99	7.09E-01	EGA3-2
ENSMMUG00000008294	PRDX3	Peroxiredoxin 3	13.62	5.33	18.08	26.31	-1.54	3.80E-02	1.90	7.22E-03	0.68	6.37E-01	EGA3-2
ENSMMUG00000022443	PPP2R2D	Protein Phosphatase 2 Regulatory Subunit Bdelta	9.48	2.44	10.15	7.33	-2.71	2.93E-07	2.53	2.22E-06	-0.33	8.13E-01	EGA3-2
ENSMMUG00000021659	HRAS	HRas Proto-oncogene, GTPase	0.76	0.27	1.65	2.38	-2.88	1.75E-02	3.65	1.63E-03	0.59	8.45E-01	EGA3-2
ENSMMUG00000010784	TPCN2	Two Pore Segment Channel 2	0.76	0.12	0.65	3.08	-5.04	1.75E-05	4.24	3.76E-04	2.29	2.04E-01	EGA3-2
ENSMMUG00000031214	RHOD	Ras Homolog Family Member D	1.41	0.26	1.96	1.49	-3.60	7.22E-03	5.01	6.86E-05	0.06	9.89E-01	EGA3-2
ENSMMUG00000012320	SNX15	Sorting Nexin 15	5.55	0.93	2.48	2.06	-3.81	3.44E-04	2.47	2.80E-02	-1.57	3.97E-01	EGA3-2
ENSMMUG00000031120			1.05	0.05	7.96	14.98	-4.58	2.40E-05	7.38	1.24E-12	0.85	6.79E-01	EGA3-2
ENSMMUG00000043402			1.73	0.10	1.73	10.85	-4.28	5.19E-05	3.48	1.41E-03	2.68	6.58E-02	EGA3-2
ENSMMUG00000000316	LOC699465	Gamma-butyrobetaine Dioxygenase	0.21	0.05	3.71	0.91	-5.08	1.09E-03	7.86	7.25E-08	2.76	2.51E-01	EGA3-2
ENSMMUG00000040016			7.72	0.45	1.32	3.00	-5.55	1.06E-06	2.63	4.25E-02	-1.27	5.89E-01	EGA3-2
ENSMMUG00000016444	COPB1	Coatomer Protein Complex Subunit Beta 1	9.13	5.26	20.75	25.14	-1.26	2.79E-02	2.44	2.98E-06	0.03	9.87E-01	EGA3-2
ENSMMUG00000046692			6.07	2.93	12.72	28.57	-1.12	3.37E-02	2.41	4.04E-07	0.84	2.86E-01	EGA3-2
ENSMMUG00000022682	TRIM68	Tripartite Motif Containing 68	1.66	0.18	1.04	0.48	-5.96	2.97E-04	3.54	4.41E-02	-0.09	9.89E-01	EGA3-2
ENSMMUG00000021282	LAMTOR1	Late Endosomal/Lysosomal Adaptor, MAPK And MTOR Activator 1	4.73	2.10	8.82	10.15	-2.60	2.30E-02	2.85	9.91E-03	1.28	5.30E-01	EGA3-2
ENSMMUG00000013094	LIPT2	Lipoyl(octanoyl) Transferase 2	4.14	0.10	2.44	2.27	-6.05	3.93E-05	4.26	5.22E-03	0.81	8.27E-01	EGA3-2
ENSMMUG00000007008	DCUN1D5	Defective In Cullin Neddylation 1 Domain Containing 5	18.12	6.86	19.92	12.04	-1.48	2.29E-02	1.29	4.87E-02	-0.29	8.62E-01	EGA3-2
ENSMMUG00000014883			9.49	1.28	9.55	9.43	-3.47	5.26E-03	3.16	1.12E-02	-0.47	8.93E-01	EGA3-2
ENSMMUG00000008476	SIAE	Sialic Acid Acetyltransferase	0.28	0.02	0.54	2.14	-3.46	2.90E-02	3.71	1.52E-02	3.21	1.16E-01	EGA3-2
ENSMMUG00000007103	THYN1	Thymocyte Nuclear Protein 1	4.20	0.95	2.89	2.46	-3.27	4.00E-04	2.14	2.80E-02	-1.66	2.56E-01	EGA3-2
ENSMMUG00000013925			1.57	0.38	3.78	4.46	-2.44	2.36E-02	3.43	7.72E-04	0.38	8.98E-01	EGA3-2
ENSMMUG00000002370	ITGA6	Integrin Subunit Alpha 6	42.00	11.15	36.99	59.35	-1.79	2.90E-03	1.43	1.92E-02	1.20	1.75E-01	EGA3-2
ENSMMUG00000001861	NFE2L2	Nuclear Factor, Erythroid 2 Like 2	2.76	1.32	5.70	10.45	-1.87	1.24E-02	3.10	8.59E-06	0.86	5.20E-01	EGA3-2
ENSMMUG00000023168	MAIP1	Matrix AAA Peptidase Interacting Protein 1	6.68	0.84	5.41	6.37	-3.89	2.64E-05	3.55	1.48E-04	-0.26	9.34E-01	EGA3-2
ENSMMUG00000005393	ACSL3	Acyl-CoA Synthetase Long Chain Family Member 3	46.63	16.05	44.71	59.85	-1.35	2.06E-02	1.38	1.55E-02	0.42	7.44E-01	EGA3-2
ENSMMUG00000011516	ARL4C	ADP Ribosylation Factor Like GTPase 4C	1.73	0.33	5.62	21.70	-4.41	4.73E-04	4.84	1.23E-04	-0.39	9.15E-01	EGA3-2
ENSMMUG00000005042	RABL6	RAB, Member RAS Oncogene Family Like 6	3.78	0.93	3.03	8.13	-2.75	3.77E-03	2.19	2.35E-02	1.39	3.83E-01	EGA3-2
ENSMMUG00000041459			1.10	0.00	0.34	0.08	-31.52	3.55E-19	#####	1.48E-09	3.60	6.61E-01	EGA3-2
ENSMMUG00000017214	VAV2	Vav Guanine Nucleotide Exchange Factor 2	0.72	0.30	2.04	2.65	-2.63	4.90E-02	3.10	1.48E-02	1.13	6.64E-01	EGA3-2
ENSMMUG00000009327	SPTAN1	Spectrin Alpha, Non-erythrocytic 1	13.13	2.77	8.88	12.44	-2.60	1.18E-05	2.31	1.23E-04	-0.46	7.46E-01	EGA3-2
ENSMMUG00000044073	NDUFA8	NADH:ubiquinone Oxidoreductase Subunit A8	3.29	1.33	6.72	8.48	-1.68	2.34E-02	2.47	3.69E-04	-0.18	9.40E-01	EGA3-2
ENSMMUG00000015024	SLC44A1	Solute Carrier Family 44 Member 1	0.88	0.27	7.35	19.19	-2.60	1.75E-02	6.04	1.24E-09	0.35	9.10E-01	EGA3-2

ENSMMUG00000045930	GRHPR	Glyoxylate And Hydroxypyruvate Reductase	2.47	0.70	2.35	3.06	-3.10	3.77E-02	3.32	2.25E-02	-1.18	6.99E-01	EGA3-2
ENSMMUG00000016323	ARHGEF39	Rho Guanine Nucleotide Exchange Factor 39	2.99	0.79	5.43	5.62	-2.32	4.81E-02	2.86	1.05E-02	0.76	7.71E-01	EGA3-2
ENSMMUG00000012472	PIP5K1B	Phosphatidylinositol-4-phosphate 5-kinase Type 1 Beta	9.82	3.79	11.71	11.08	-2.93	5.80E-03	2.57	1.56E-02	-1.52	3.95E-01	EGA3-2
ENSMMUG00000013003	LOC706167	Centrosomal Protein Of 78 KDa	2.23	0.75	3.08	2.21	-2.03	1.22E-02	2.37	2.41E-03	-0.34	8.74E-01	EGA3-2
ENSMMUG00000017053	DAPK1	Death Associated Protein Kinase 1	3.12	0.24	2.19	9.08	-3.50	2.22E-03	2.95	1.12E-02	2.85	6.15E-02	EGA3-2
ENSMMUG00000020440	HPCAL1	Hippocalcin Like 1	1.53	0.60	5.89	8.47	-2.64	2.55E-02	5.20	1.32E-06	0.14	9.74E-01	EGA3-2
ENSMMUG00000012058	GEN1	GEN1, Holliday Junction 5' Flap Endonuclease	4.47	1.87	6.40	9.99	-1.86	6.31E-03	2.18	9.65E-04	1.32	1.85E-01	EGA3-2
ENSMMUG00000014083	NT5C1B	5'-nucleotidase, Cytosolic IB	1.70	0.56	1.72	1.27	-2.41	2.61E-02	2.35	2.79E-02	-0.16	9.68E-01	EGA3-2
ENSMMUG00000001570			2.21	0.10	2.05	4.04	-4.70	6.50E-03	4.58	8.93E-03	1.27	7.40E-01	EGA3-2
ENSMMUG00000014458	RBKS	Ribokinase	8.34	0.20	2.10	3.83	-5.67	2.80E-06	2.79	3.57E-02	0.50	8.88E-01	EGA3-2
ENSMMUG00000010640	ERLEC1	Endoplasmic Reticulum Lectin 1	11.56	4.08	14.61	16.67	-2.19	2.90E-04	2.68	5.88E-06	-0.16	9.37E-01	EGA3-2
ENSMMUG00000013541	SPTBN1	Spectrin Beta, Non-erythrocytic 1	24.05	11.07	59.28	72.56	-1.47	4.42E-03	2.83	4.58E-09	-0.25	8.53E-01	EGA3-2
ENSMMUG00000048757	FAM136A	Family With Sequence Similarity 136 Member A	14.30	4.37	13.74	5.34	-2.01	2.26E-03	1.40	4.10E-02	-0.07	9.77E-01	EGA3-2
ENSMMUG00000009485	SPR	Sepiapterin Reductase	14.57	5.04	9.14	9.74	-2.07	1.17E-02	1.85	2.48E-02	-0.94	5.26E-01	EGA3-2
ENSMMUG00000016730			1.79	0.12	1.61	0.93	-5.82	1.20E-03	4.21	2.38E-02	-0.81	8.65E-01	EGA3-2
ENSMMUG00000021746	RNASEH2B	Ribonuclease H2 Subunit B	2.65	1.51	6.44	8.30	-2.51	2.74E-02	2.33	3.88E-02	2.26	1.52E-01	EGA3-2
ENSMMUG00000021459	MYCBP2	MYC Binding Protein 2, E3 Ubiquitin Protein Ligase	8.50	2.54	33.65	32.91	-1.62	1.96E-03	3.68	2.85E-14	0.15	9.30E-01	EGA3-2
ENSMMUG00000005841	DNAJC3	DnaJ Heat Shock Protein Family (Hsp40) Member C3	1.41	0.52	1.02	0.95	-3.00	1.64E-03	2.01	4.56E-02	0.28	9.29E-01	EGA3-2
ENSMMUG00000020711	SLC2A4RG	SLC2A4 Regulator	2.73	0.38	0.46	2.11	-7.08	7.41E-09	3.68	5.40E-03	2.24	2.65E-01	EGA3-2
ENSMMUG00000022589	PMEPA1	Prostate Transmembrane Protein, Androgen Induced 1	0.36	0.07	0.48	1.86	-4.91	3.54E-03	3.52	4.22E-02	3.91	8.30E-02	EGA3-2
ENSMMUG00000016555	NCOA5	Nuclear Receptor Coactivator 5	8.52	2.26	9.71	7.67	-1.88	1.14E-02	2.19	2.36E-03	-0.33	8.63E-01	EGA3-2
ENSMMUG00000031253	DYNLRB1	Dynein Light Chain Roadblock-type1	35.57	11.37	47.59	44.06	-2.34	1.80E-02	2.48	1.01E-02	-0.73	7.33E-01	EGA3-2
ENSMMUG00000020799	BID	BH3 Interacting Domain Death Agonist	2.66	0.36	5.49	2.38	-3.95	2.96E-03	6.14	9.85E-07	-2.61	1.82E-01	EGA3-2
ENSMMUG00000020999	GGT1	Gamma-glutamyltransferase 1	0.61	0.07	0.49	0.61	-5.08	2.23E-03	4.18	1.23E-02	-0.52	9.14E-01	EGA3-2
ENSMMUG00000010839	SGSM1	Small G Protein Signaling Modulator 1	1.02	0.13	0.79	0.76	-4.27	5.73E-05	2.73	1.53E-02	-0.76	7.64E-01	EGA3-2
ENSMMUG00000009945	YWHAH	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase Activation Protein Eta	40.16	14.77	39.41	49.31	-1.49	2.19E-02	1.67	8.14E-03	-0.34	8.33E-01	EGA3-2
ENSMMUG00000005221	TEF	TEF, PAR BZIP Transcription Factor	0.22	0.09	3.83	0.29	-4.94	3.84E-02	8.95	3.91E-05	-3.85	2.92E-01	EGA3-2
ENSMMUG00000020524	PAFAH1B1	Platelet Activating Factor Acetylhydrolase 1b Regulatory Subunit 1	16.34	8.78	26.18	21.01	-0.90	2.28E-02	1.44	8.81E-05	-0.32	6.94E-01	EGA3-2
ENSMMUG00000023390	TAX1BP3	Tax1 Binding Protein 3	4.26	0.60	6.73	29.44	-4.07	1.77E-03	4.27	8.79E-04	1.06	7.10E-01	EGA3-2
ENSMMUG00000021409	DRG2	Developmentally Regulated GTP Binding Protein 2	2.57	2.66	10.13	11.58	-2.33	6.55E-03	3.98	6.06E-07	1.15	4.29E-01	EGA3-2
ENSMMUG00000001026	BLMH	Bleomycin Hydrolase	8.79	2.06	7.41	9.10	-3.06	4.72E-05	2.23	4.22E-03	0.84	5.74E-01	EGA3-2
ENSMMUG00000018222	RHOT1	Ras Homolog Family Member T1	6.36	2.62	10.13	5.69	-1.51	6.09E-03	2.14	4.23E-05	-0.86	3.26E-01	EGA3-2

ENSMMUG00000018752	SPOP	Speckle Type BTB/POZ Protein	15.86	2.29	8.20	2.90	-2.83	7.13E-05	2.39	1.03E-03	-1.70	9.97E-02	EGA3-2
ENSMMUG0000004005	SMARCE1	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily E, Member 1	21.73	13.17	19.98	21.51	-1.02	4.02E-02	1.02	3.75E-02	0.08	9.64E-01	EGA3-2
ENSMMUG00000009376			0.35	0.04	1.31	0.93	-3.32	3.93E-02	4.25	5.05E-03	1.83	4.95E-01	EGA3-2
ENSMMUG00000016797	TUBG1	Tubulin Gamma 1	1.65	1.36	2.50	2.14	-2.50	9.88E-03	2.42	1.14E-02	0.81	6.88E-01	EGA3-2
ENSMMUG00000020975	KIF19	Kinesin Family Member 19	1.06	0.02	0.68	0.09	-5.47	9.44E-05	4.96	5.74E-04	-1.68	5.29E-01	EGA3-2
ENSMMUG00000003381	CDK3	Cyclin Dependent Kinase 3	1.65	0.08	0.89	1.25	-5.41	1.87E-06	3.83	1.19E-03	0.54	8.62E-01	EGA3-2
ENSMMUG00000000258	MCRIP1	MAPK Regulated Corepressor Interacting Protein 1	4.68	0.07	1.57	1.79	-8.02	6.13E-08	5.01	1.41E-03	-0.60	8.91E-01	EGA3-2
ENSMMUG00000013088			3.09	1.22	34.41	53.78	-2.76	5.66E-03	6.13	1.57E-11	1.53	3.21E-01	EGA3-2
ENSMMUG00000041581	CMIP	C-Maf Inducing Protein	9.82	2.72	5.65	12.68	-3.36	2.49E-05	2.06	1.43E-02	-0.22	9.34E-01	EGA3-2
ENSMMUG00000014326			0.53	0.39	1.08	3.20	-3.78	3.67E-02	3.98	2.50E-02	3.53	1.44E-01	EGA3-2
ENSMMUG00000020328	ANKRD29	Ankyrin Repeat Domain 29	0.31	0.10	0.80	1.10	-3.30	2.96E-02	4.07	4.55E-03	0.88	8.02E-01	EGA3-2
ENSMMUG00000014915	ZADH2	Zinc Binding Alcohol Dehydrogenase Domain Containing 2	0.27	0.04	0.46	1.12	-3.96	7.59E-03	3.16	3.80E-02	-0.03	9.97E-01	EGA3-2
ENSMMUG00000021183	ISYNA1	Inositol-3-phosphate Synthase 1	0.78	0.60	1.74	6.31	-2.63	3.51E-02	2.45	4.90E-02	2.14	2.39E-01	EGA3-2
ENSMMUG00000011291	USF2	Upstream Transcription Factor 2, C-fos Interacting	7.52	3.36	8.17	8.72	-2.18	6.72E-03	1.63	4.83E-02	1.11	4.21E-01	EGA3-2
ENSMMUG00000028763			2.22	0.93	21.71	38.77	-3.25	2.00E-03	6.45	2.83E-11	1.68	2.80E-01	EGA3-2
ENSMMUG00000020797	SHKBP1	SH3KBP1 Binding Protein 1	1.55	0.59	3.33	2.59	-2.48	1.06E-02	3.21	5.58E-04	-0.22	9.47E-01	EGA3-2
ENSMMUG00000014591	LIG1	DNA Ligase 1	12.05	4.27	7.58	11.81	-3.13	7.54E-04	2.26	1.89E-02	-0.79	6.96E-01	EGA3-2
ENSMMUG00000023531	ETFB	Electron Transfer Flavoprotein Beta Subunit	0.76	0.16	2.56	2.78	-4.67	5.62E-06	6.11	1.90E-09	-2.32	1.26E-01	EGA3-2
ENSMMUG00000003115	NLRP2	NLR Family Pyrin Domain Containing 2	133.39	60.03	235.45	475.48	-1.30	1.65E-02	1.97	1.03E-04	0.66	4.88E-01	EGA3-2
ENSMMUG00000044934			5.59	0.29	5.50	11.41	-6.44	1.28E-06	3.90	6.22E-03	0.85	7.97E-01	EGA3-2
ENSMMUG00000047049			24.96	3.56	5.85	4.55	-4.52	1.52E-06	2.74	6.03E-03	-0.86	6.87E-01	EGA3-2
ENSMMUG00000039011	LOC106995492	Cell Growth Regulator With RING Finger Domain Protein 1-like	1.79	0.18	1.96	1.78	-3.48	3.02E-02	3.89	1.15E-02	1.39	6.55E-01	EGA3-2
ENSMMUG000000039683			2.62	0.00	0.03	0.36	-24.63	1.18E-04	#####	1.21E-02	4.39	7.82E-01	EGA3-2
ENSMMUG00000032219	LOC704623	Interferon-induced Transmembrane Protein 3	1.93	1.86	24.31	91.27	-1.79	1.89E-01	4.58	7.49E-05	3.49	1.97E-02	EGA3-3
ENSMMUG00000000694	PHLDB2	Pleckstrin Homology Like Domain Family B Member 2	0.01	0.10	1.75	7.76	2.11	1.28E-01	3.07	9.42E-03	5.37	3.82E-05	EGA3-3
ENSMMUG00000016072	C2H3orf52	Chromosome 2 Open Reading Frame, Human C3orf52	0.23	1.16	9.96	21.22	1.07	3.97E-01	3.66	3.06E-04	2.84	3.58E-02	EGA3-3
ENSMMUG00000010495	MAPKAPK3	Mitogen-activated Protein Kinase-activated Protein Kinase 3	0.17	0.11	3.10	4.60	-1.07	5.18E-01	3.82	3.36E-03	3.45	4.01E-02	EGA3-3
ENSMMUG00000023099	LRPAP1	LDL Receptor Related Protein Associated Protein 1	4.43	3.71	17.40	131.60	-0.33	7.87E-01	1.80	3.89E-02	3.18	9.88E-04	EGA3-3
ENSMMUG00000021887	S100P	S100 Calcium Binding Protein P	0.10	0.55	36.59	298.21	1.09	4.85E-01	5.52	4.37E-07	3.73	6.17E-03	EGA3-3
ENSMMUG00000038129			0.19	0.33	8.33	82.26	-0.16	9.47E-01	3.07	2.81E-02	5.60	6.91E-05	EGA3-3
ENSMMUG00000014557			0.74	3.07	4.87	8.78	-1.53	3.46E-01	2.99	3.13E-02	3.69	3.25E-02	EGA3-3
ENSMMUG00000020442	ATCB8	ATP Binding Cassette Subfamily B Member 8	0.09	0.03	0.32	1.07	-1.51	3.56E-01	3.08	2.57E-02	3.92	1.81E-02	EGA3-3

ENSMMUG00000010615	GALNT10	Polypeptide N-acetylgalactosaminyltransferase 10	0.33	0.83	2.48	3.24	-1.45	2.71E-01	2.82	1.39E-02	3.72	6.29E-03	EGA3-3
ENSMMUG00000017607	N4BP3	NEDD4 Binding Protein 3	0.00	0.00	0.31	2.29	-0.16	9.51E-01	5.16	4.64E-04	5.82	4.78E-04	EGA3-3
ENSMMUG00000019438	UTRN	Utrophin	1.29	0.70	4.11	17.53	-0.74	4.62E-01	1.95	2.05E-02	3.89	1.43E-05	EGA3-3
ENSMMUG00000014983	ANPEP	Alanyl Aminopeptidase, Membrane	0.12	0.36	7.70	81.56	-0.94	5.78E-01	3.43	9.62E-03	6.85	7.19E-07	EGA3-3
ENSMMUG00000011345	PRPS2	Phosphoribosyl Pyrophosphate Synthetase 2	0.11	0.10	0.89	3.24	1.24	3.20E-01	2.35	2.97E-02	2.84	3.74E-02	EGA3-3
ENSMMUG00000001618	ATP6V0D2	ATPase H+ Transporting V0 Subunit D2	0.17	0.33	5.32	34.21	1.03	3.31E-01	1.95	3.58E-02	4.02	4.29E-05	EGA3-3
ENSMMUG00000017631	GPRC5A	G Protein-coupled Receptor Class C Group 5 Member A	0.76	0.13	2.39	40.45	-1.13	3.24E-01	2.35	1.72E-02	5.89	1.79E-09	EGA3-3
ENSMMUG00000012223	BCAT1	Branched Chain Amino Acid Transaminase 1	0.99	1.74	11.50	32.32	-0.41	8.22E-01	2.68	4.07E-02	3.48	3.12E-02	EGA3-3
ENSMMUG00000002163	KRT8	Keratin 8	0.75	2.60	64.09	477.36	1.41	1.40E-01	4.01	8.56E-07	2.23	4.80E-02	EGA3-3
ENSMMUG00000031911	LOC700569	Keratin, Type I Cytoskeletal 18	0.55	3.74	80.28	648.37	1.56	1.24E-01	4.73	3.87E-08	2.95	7.76E-03	EGA3-3
ENSMMUG000000038601			0.16	0.31	13.61	97.94	1.16	6.43E-01	4.70	6.38E-03	4.30	4.54E-02	EGA3-3
ENSMMUG00000015070	TBX3	T-box 3	1.93	0.77	14.38	55.33	-0.95	3.93E-01	2.39	1.10E-02	2.90	1.12E-02	EGA3-3
ENSMMUG000000039892			1.44	2.67	13.51	94.55	-0.88	5.75E-01	2.71	3.11E-02	5.52	3.33E-05	EGA3-3
ENSMMUG00000013256	LOC697564	Interferon-induced Transmembrane Protein 3	3.70	3.06	40.29	193.35	-1.37	2.24E-01	4.09	1.57E-05	3.53	2.19E-03	EGA3-3
ENSMMUG00000018360	RCN1	Reticulocalbin 1	2.56	2.21	18.12	68.39	-1.00	4.34E-01	3.90	1.14E-04	2.81	3.87E-02	EGA3-3
ENSMMUG00000017781	NMI	N-myc And STAT Interactor	0.68	1.35	11.52	41.09	-1.07	5.11E-01	5.54	4.96E-06	4.03	8.83E-03	EGA3-3
ENSMMUG00000017143	LRP2	LDL Receptor Related Protein 2	0.07	0.14	9.41	138.38	0.40	7.88E-01	3.94	6.47E-05	6.46	4.48E-10	EGA3-3
ENSMMUG000000037943			0.35	0.84	21.36	212.70	-0.14	9.51E-01	4.82	5.62E-05	4.50	6.40E-04	EGA3-3
ENSMMUG00000001304	TGFBR1	Transforming Growth Factor Beta Receptor 1	0.30	0.48	4.11	7.47	-0.15	9.38E-01	2.63	2.59E-02	3.23	2.62E-02	EGA3-3
ENSMMUG00000028608			0.41	3.40	39.34	356.70	1.72	3.00E-01	2.85	2.98E-02	5.64	5.09E-05	EGA3-3
ENSMMUG000000031017	LOC100430243	Interferon-induced Transmembrane Protein 3 Pseudogene	1.20	2.06	12.79	63.85	-1.64	1.75E-01	3.89	1.38E-04	4.13	4.23E-04	EGA3-3
ENSMMUG000000030326	LOC717105	Interferon-induced Transmembrane Protein 3	2.69	5.01	23.97	113.86	-0.66	6.54E-01	2.97	7.29E-03	4.24	7.76E-04	EGA3-3
ENSMMUG00000012889	PCYT2	Phosphate Cytidylyltransferase 2, Ethanolamine	0.21	2.05	1.88	5.05	-2.08	1.17E-01	3.94	7.12E-04	3.52	1.69E-02	EGA3-3
ENSMMUG000000031339			0.23	1.55	49.92	296.84	0.13	9.53E-01	3.79	5.92E-03	5.18	8.55E-04	EGA3-3
ENSMMUG000000039694			0.15	0.39	15.35	169.97	-0.07	9.76E-01	4.35	5.73E-04	4.97	3.43E-04	EGA3-3
ENSMMUG00000012185	ATF3	Activating Transcription Factor 3	0.33	0.61	4.96	0.40	0.02	9.93E-01	4.13	8.59E-03	-4.19	3.98E-02	EGA3-4
ENSMMUG000000039900			0.15	0.32	3.68	0.49	-0.41	8.72E-01	4.78	3.93E-03	-5.04	1.63E-02	EGA3-4
ENSMMUG00000015163	SCAF8	SR-related CTD Associated Factor 8	5.32	8.59	13.22	8.92	0.49	3.21E-01	1.07	1.16E-02	-1.22	2.13E-02	EGA3-4
ENSMMUG00000008934	MARCKS	Myristoylated Alanine Rich Protein Kinase C Substrate	2.13	3.69	38.09	23.01	1.09	2.27E-01	4.02	8.08E-08	-2.19	3.09E-02	EGA3-4
ENSMMUG000000008297	HOMER2	Homer Scaffolding Protein 2	2.67	1.51	8.69	1.86	-1.10	9.18E-02	3.09	6.00E-08	-2.60	1.11E-04	EGA3-4
ENSMMUG00000013865	WARS	Tryptophanyl-tRNA Synthetase	5.39	6.43	32.93	15.55	-0.25	8.06E-01	2.94	1.42E-05	-2.15	1.41E-02	EGA3-4
ENSMMUG000000005143			4.35	3.55	10.22	2.76	-0.34	7.41E-01	1.97	7.64E-03	-2.09	2.54E-02	EGA3-4
ENSMMUG000000022185	OSR2	Odd-skipped Related Transcription Factor 2	0.35	1.39	3.97	0.17	-0.30	9.15E-01	4.93	5.93E-03	-7.57	2.21E-04	EGA3-4
ENSMMUG00000015491	TATDN1	TatD DNase Domain Containing 1	2.06	1.40	3.98	2.23	-0.70	4.07E-01	1.90	6.63E-03	-1.94	3.10E-02	EGA3-4
ENSMMUG00000021759	TRIB1	Tribbles Pseudokinase 1	2.02	5.06	18.68	5.40	1.14	1.42E-01	1.96	5.25E-03	-1.94	3.12E-02	EGA3-4
ENSMMUG00000008557	ZNF618	Zinc Finger Protein 618	0.78	0.31	2.16	0.64	-2.94	7.50E-02	5.45	2.98E-04	-4.50	2.74E-02	EGA3-4

ENSMMUG00000010834	REL	REL Proto-oncogene, NF-kB Subunit	4.59	3.23	19.23	1.91	-0.61	6.48E-01	3.06	2.16E-03	-3.26	8.33E-03	EGA3-4
ENSMMUG00000010279	SLC1A4	Solute Carrier Family 1 Member 4	0.98	0.79	2.59	0.46	-1.17	4.14E-01	2.75	2.56E-02	-5.18	1.89E-04	EGA3-4
ENSMMUG00000016258	PPARA	Peroxisome Proliferator Activated Receptor Alpha	0.75	1.36	8.14	1.66	1.39	1.13E-01	2.69	5.79E-04	-2.09	4.74E-02	EGA3-4
ENSMMUG00000011278	CRELD2	Cysteine Rich With EGF Like Domains 2	2.41	1.86	14.49	5.87	-1.60	2.00E-01	4.76	6.55E-06	-3.14	2.54E-02	EGA3-4
ENSMMUG00000030333	KCNAB3	Potassium Voltage-gated Channel Subfamily A Regulatory Beta Subunit 3	0.33	0.08	1.92	0.06	-3.01	7.85E-02	4.78	2.61E-03	-5.57	5.69E-03	EGA3-4
ENSMMUG00000027066	MIR519D	MicroRNA 519d	0.00	0.00	3.66	1.08	2.84	7.62E-01	#####	5.62E-11	-19.18	2.29E-02	EGA3-4
ENSMMUG00000015084	LAMC1	Laminin Subunit Gamma 1	16.13	4.84	28.79	123.95	-1.49	4.60E-02	2.35	6.80E-04	2.16	1.40E-02	EGA3-5
ENSMMUG00000044194			0.07	0.00	3.22	5.78	-14.92	1.23E-10	#####	8.32E-21	14.28	1.34E-08	EGA3-5
ENSMMUG00000022094			1.19	0.63	2.87	4.30	-2.01	1.43E-02	3.38	8.16E-06	2.09	4.30E-02	EGA3-5
ENSMMUG00000011719	SERPINB9	Serpin Family B Member 9	0.96	0.17	4.39	55.84	-4.72	1.61E-04	5.32	1.50E-05	5.30	1.75E-04	EGA3-5
ENSMMUG00000002797	JDP2	Jun Dimerization Protein 2	0.88	0.33	1.52	8.45	-3.79	3.75E-02	3.72	3.71E-02	4.50	4.10E-02	EGA3-5
ENSMMUG00000015740	PIR	Pirin	0.83	0.02	0.20	0.83	-7.11	2.97E-08	3.42	1.79E-02	4.95	2.06E-03	EGA3-5
ENSMMUG00000012762	ATP6AP2	ATPase H+ Transporting Accessory Protein 2	4.38	1.02	5.70	17.47	-2.18	1.72E-02	1.85	4.50E-02	2.85	8.33E-03	EGA3-5
ENSMMUG00000008911	SLC16A9	Solute Carrier Family 16 Member 9	1.04	0.23	1.36	7.56	-4.07	1.90E-03	2.94	3.48E-02	4.21	5.76E-03	EGA3-5
ENSMMUG00000041316			0.98	0.04	0.14	1.61	-6.29	8.38E-08	2.87	2.75E-02	4.77	1.06E-03	EGA3-5
ENSMMUG00000022608	ATP12A	ATPase H+/K+ Transporting Non-gastric Alpha2 Subunit	0.18	0.02	0.74	25.09	-3.43	9.54E-03	3.68	4.02E-03	5.86	1.20E-05	EGA3-5
ENSMMUG00000023551	PXMP4	Peroxisomal Membrane Protein 4	1.18	0.03	0.79	2.27	-5.10	8.78E-05	2.87	4.33E-02	3.84	1.83E-02	EGA3-5
ENSMMUG00000012349	TST	Thiosulfate Sulfurtransferase	0.55	0.04	0.69	4.33	-3.84	1.69E-02	4.28	5.57E-03	4.77	1.19E-02	EGA3-5
ENSMMUG00000019239	TBC1D19	TBC1 Domain Family Member 19	0.78	0.57	2.42	0.12	-4.33	3.43E-02	5.98	2.27E-03	-8.04	6.26E-04	EGA3-6
ENSMMUG00000007310	SLC25A12	Solute Carrier Family 25 Member 12	4.05	0.91	2.95	0.78	-2.93	6.69E-03	2.96	5.67E-03	-2.97	3.11E-02	EGA3-6
ENSMMUG00000018791	MOCOS	Molybdenum Cofactor Sulfurase	4.13	1.33	1.48	0.28	-3.00	5.38E-03	2.41	3.12E-02	-4.01	2.22E-03	EGA3-6

- a) FPKM: Fragments Per Kilobase of transcript per Million mapped reads.
b) L2FC: Log fold change of base 2. Positive values indicate an increase in GVII vs. GV.
c) FDR: False discovery rate. Adjusted p-value using the Benjamin-Hochberg method.