

Table S5

Gene category 3 ENSEMBL_gene_id	Glomerulus cDNA clones ENSEMBL_gene_name	Clone_id	log2(glo/rest_kidney)	Pvalue1	log2(glo/brain_capillary)	Pvalue2
1 ENSMUSG00000026449	Renin 1 precursor (EC 3.4.23.15) (Angiotensinogenase) (Kidney renin). [Source:UniProt/SWISSPROT;Acc:Q91X05]	gbct104_plate17_F20	3.06	0.00307	5.79	0.00002
2 ENSMUSG00000026602	Podocin. [Source:UniProt/SWISSPROT;Acc:Q91X05]	MTG_602471477	3.4	0.00272	5.08	0.00002
3 ENSMUSG00000016458	Wilms' tumor protein homolog. [Source:UniProt/SWISSPROT;Acc:P22561]	gbct104_plate4_A_12	2.08	0.01102	5.47	0.00002
4 ENSMUSG00000006649	Nephrin precursor (Renal glomerulus-specific cell adhesion receptor). [Source:UniProt/SWISSPROT;Acc:Q91X05]	gbct104_plate13_G16	2.97	0.00239	4.2	0.00019
5 ENSMUSG00000030223	protein tyrosine phosphatase, receptor type, O. [Source:RefSeq;Acc:NM_011216]	MTG_602467963	2.43	0.00467	4.55	0.00001
6 ENSMUSG00000036390	Growth arrest and DNA-damage-inducible protein GADD45 alpha (DNA- damage inc	MTG_602468308	2.48	0.00451	4.28	0.00002
7 ENSMUSG00000050010		MTG_602138918	2.03	0.0096	4.34	0.00016
8 ENSMUSG00000024921		MTG_602471205	2.41	0.00756	3.91	0.00016
9 ENSMUSG00000024065		MTG_602467884	2.9	0.00378	3.36	0.00018
10 ENSMUSG00000030717	Nuclear protein 1 (Protein p8). [Source:UniProt/SWISSPROT;Acc:Q9WTK0]	gbct104_plate9_C21	2.77	0.01335	3.44	0.00077
11 ENSMUSG00000037664	Cyclin-dependent kinase inhibitor 1C (Cyclin-dependent kinase inhibitor p57) (p57Kl	gbct104_plate3_K18	2.88	0.00264	3.31	0.00002
12 ENSMUSG00000030513	PACE4A (Fragment). [Source:UniProt/SPTREMBL;Acc:Q62030]	MTG_602475863	1.82	0.00436	4.23	0.00001
13 ENSMUSG00000059213	MKIAA0749 protein (Fragment). [Source:UniProt/SPTREMBL;Acc:Q80TS7]	MTG_602467382	1.92	0.00467	4.12	0.00058
14 ENSMUSG00000021904		MTG_602468143	2.99	0.00239	2.83	0.00011
15 ENSMUSG00000046714	Forkhead box protein C2 (Forkhead-related protein FKHL14) (Mesenchyme fork hea	gbct104_plate17_L12	2.66	0.00272	3.14	0.00055
16 ENSMUSG00000043079	Synaptopodin. [Source:UniProt/SWISSPROT;Acc:Q8CC35]	MTG_602138940	2.91	0.00258	2.84	0.00067
17 ENSMUSG00000029061	matrix metalloproteinase 23; cysteine array matrix metalloproteinase. [Source:RefSe	gbct104_plate17_D12	2.09	0.00272	3.55	0.00043
18 ENSMUSG00000026185	Insulin-like growth factor binding protein 5 precursor (IGFBP-5) (IBP- 5) (IGF-binding	MTG_602468305	1.83	0.00239	3.78	0.00001
19 ENSMUSG00000035333	protease inhibitor 15; cysteine-rich secreted protein. [Source:RefSeq;Acc:NM_05319	MTG_602472831	1.68	0.00541	3.85	0.00002
20 ENSMUSG00000033502	Dual-specificity phosphatase homolog (Fragment). [Source:UniProt/SPTREMBL;Acc:	MTG_602476009	1.89	0.01032	3.49	0.00005
21 ENSMUSG00000034111	Ras-related protein Rab-3B. [Source:UniProt/SWISSPROT;Acc:Q9CZT8]	gbct104_plate7_I24	2.25	0.00239	3.08	0.00031
22 ENSMUSG00000022580	Rhopilin 1 (GTP-Rho binding protein 1). [Source:UniProt/SWISSPROT;Acc:Q61085	MTG_602470139	2.44	0.00272	2.86	0.00167
23 ENSMUSG00000025810	Neuropilin-1 precursor (A5 protein). [Source:UniProt/SWISSPROT;Acc:P97333]	gbct104_plate6_O15	2.54	0.00457	2.72	0.00030
24 ENSMUSG00000015093	Chloride intracellular channel protein 3. [Source:UniProt/SWISSPROT;Acc:Q9D7P7]	gbct104_plate13_A02	2.71	0.00358	2.44	0.00784
25 ENSMUSG00000027996	secreted frizzled-related sequence protein 2; stromal cell derived factor 5; secreted fi	gbct104_plate14_O17	1.49	0.01206	3.63	0.00029
26 ENSMUSG00000035929	H-2 class I histocompatibility antigen, Q10 alpha chain precursor. [Source:UniProt/S	MTG_602139046	2.47	0.01132	2.64	0.00689
27 ENSMUSG00000027210	Homeobox protein Meis2 (Meis1-related protein 1). [Source:UniProt/SWISSPROT;Ac	MTG_602139087	1.61	0.00302	3.49	0.00004
28 ENSMUSG00000026768	integrin alpha 8. [Source:RefSeq;Acc:NM_001001309]	MTG_602467867	1.95	0.01076	3.01	0.00564
29 ENSMUSG00000022206	Atrial natriuretic peptide clearance receptor precursor (ANP-C) (ANPRC) (NPR-C) (A	MTG_602310638	2.56	0.00307	2.29	0.00053
30 ENSMUSG00000064196		gbct104_plate10_H24	2.22	0.00239	2.49	0.01820
31 ENSMUSG00000028031	Dickkopf related protein-2 precursor (Dkk-2) (Dickkopf-2) (mDkk-2). [Source:UniProt/	gbct104_plate15_H23	2.64	0.00373	1.98	0.04230
32 ENSMUSG00000062515	Fatty acid-binding protein, adipocyte (AFABP) (Adipocyte lipid-binding protein) (ALBI	MTG_602474869	1.47	0.01581	3.12	0.00092
33 ENSMUSG00000020552	D-glycosaminyl 3-O-sulfotransferase-3B. [Source:RefSeq;Acc:NM_018805]	gbct104_plate16_J03	1.38	0.04309	3.19	0.00040
34 ENSMUSG00000023959	Chloride intracellular channel protein 5. [Source:UniProt/SWISSPROT;Acc:Q8BXK9]	MTG_602468931	1.76	0.00423	2.8	0.00129
35 ENSMUSG00000033060		MTG_602472430	1.31	0.0048	3.2	0.00045
36 ENSMUSG00000025608	Podocalyxin-like protein 1 precursor. [Source:UniProt/SWISSPROT;Acc:Q9R0M4]	MTG_602468601	2.2	0.00265	2.26	0.00167
37 ENSMUSG000000057123	Gap junction alpha-5 protein (Connexin 40) (Cx40). [Source:UniProt/SWISSPROT;Ac	MTG_602477362	2.35	0.01206	2.11	0.00217
38 ENSMUSG00000056492		MTG_602473220	2.51	0.00272	1.83	0.00167
39 ENSMUSG00000029641		MTG_602476673	1.67	0.00264	2.66	0.00029
40 ENSMUSG00000032679	CD59A glycoprotein precursor (Membrane attack complex inhibition factor) (MACIF)	MTG_602477476	1.72	0.00272	2.59	0.00048
41 ENSMUSG000000008384	SERTA domain-containing protein 1 (Transcriptional regulator interacting with the P-	MTG_602472022	1.88	0.0468	2.42	0.00134
42 ENSMUSG00000054690	endomucin; mucin 14, endothelial. [Source:RefSeq;Acc:NM_016885]	gbct104_plate14_M07	2.38	0.00339	1.85	0.00235
43 ENSMUSG00000018899	Interferon regulatory factor 1 (IRF-1). [Source:UniProt/SWISSPROT;Acc:P15314]	MTG_602473423	1.04	0.01018	3.18	0.00234
44 ENSMUSG00000038831	Ral guanine nucleotide exchange factor RalGPS1A. [Source:RefSeq;Acc:NM_17521	gbct104_plate3_I06	1.96	0.00264	2.16	0.00496
45 ENSMUSG00000039910	Cbp/p300-interacting transactivator 2 (MSG-related protein 1) (MRG1 protein). [Sou	gbct104_plate15_M02	1.62	0.02959	2.46	0.00055
46 ENSMUSG00000004105	Angiopietin-related protein 2 precursor (Angiopietin-like 2). [Source:UniProt/SWIS	MTG_602467989	1.7	0.00239	2.32	0.00033
47 ENSMUSG00000020431	Adenylyl cyclase type I (EC 4.6.1.1) (Fragment). [Source:UniProt/SPTREMBL;Acc:O:	MTG_602477447	1.53	0.002723	2.45	0.00376
48 ENSMUSG00000029273	sulfotransferase family 1D, member 1; amine N-sulfotransferase; tyrosine-ester sulfo	MTG_602469455	1.3	0.00418	2.66	0.00032
49 ENSMUSG00000027834	Neuroserpin precursor (Protease inhibitor 17). [Source:UniProt/SWISSPROT;Acc:O3	MTG_602467339	1.95	0.00453	1.98	0.00365
50 ENSMUSG00000018411	Microtubule-associated protein tau (Neurofibrillary tangle protein) (Paired helical filan	MTG_602474179	1.8	0.00264	2.12	0.00129
51 ENSMUSG00000026305	leucine rich repeat (in FLII) interacting protein 1; FLAP (FLI LRR associated protein).	gbct104_plate11_P06	1.18	0.04727	2.67	0.01920
52 ENSMUSG00000026817	Adenylate kinase isoenzyme 1 (EC 2.7.4.3) (ATP-AMP transphosphorylase) (AK1) (M	MTG_602470558	1.4	0.03148	2.41	0.00673
53 ENSMUSG00000031029	Eukaryotic translation initiation factor 3 subunit 5 (eIF-3 epsilon) (eIF3 p47 subunit) (MTG_602471221	1.86	0.00816	1.91	0.04660
54 ENSMUSG00000020458	Reticulon 4 (Neurite outgrowth inhibitor) (Nogo protein). [Source:UniProt/SWISSPRC	gbct104_plate17_A09	1.5	0.01599	2.25	0.00034

55	ENSMUSG00000048376	Proteinase activated receptor 1 precursor (PAR-1) (Thrombin receptor). [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	MTG_602470037	2.17	0.00358	1.58	0.03660
56	ENSMUSG00000052516	Roundabout homolog 2 precursor. [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	MTG_602470037	1.9	0.00436	1.83	0.01520
57	ENSMUSG00000017446	C1q and tumor necrosis factor related protein 1; putative secreted protein ZSIG37. [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	MTG_602469925	2.29	0.00379	1.42	0.01160
58	ENSMUSG00000024534	synuclein, alpha interacting protein (synphilin); synphilin-1. [Source:RefSeq;Acc:NM_001080483]	MTG_602310659	1.25	0.02005	2.45	0.00029
59	ENSMUSG00000031217	Ephrin-B1 precursor (EPH-related receptor tyrosine kinase ligand 2) (LERK-2) (ELK-2)	gbctl04_plate10_J04	1.5	0.01527	2.2	0.00163
60	ENSMUSG00000035566		MTG_602477729	2.01	0.00415	1.69	0.01120
61	ENSMUSG00000029887		MTG_602469530	1.28	0.01762	2.39	0.00433
62	ENSMUSG00000050640		MTG_602474489	1.26	0.00345	2.41	0.00451
63	ENSMUSG00000054435	immune associated nucleotide 1 isoform b. [Source:RefSeq;Acc:NM_175048]	MTG_602472679	2.08	0.00436	1.59	0.00704
64	ENSMUSG00000021759	Lipid phosphate phosphohydrolase 1 (EC 3.1.3.4) (Phosphatidic acid phosphatase 2)	MTG_602138959	1.94	0.01596	1.72	0.00313
65	ENSMUSG00000018995		gbctl04_plate11_G20	1.54	0.0254	2.09	0.00562
66	ENSMUSG00000050493		gbctl04_plate3_L03	1.74	0.01526	1.87	0.00997
67	ENSMUSG00000018593	SPARC precursor (Secreted protein acidic and rich in cysteine) (Osteonectin) (ON)	MTG_602469065	1.42	0.00428	2.16	0.00062
68	ENSMUSG00000028713	Cytochrome P450 4B1 (EC 1.14.14.1) (CYP1B1). [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	gbctl04_plate9_A23	1.96	0.00272	1.61	0.00118
69	ENSMUSG00000029211	Gamma-aminobutyric-acid receptor alpha-4 subunit precursor (GABA(A) receptor). [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	gbctl04_plate12_P13	1.48	0.0096	2.08	0.02730
70	ENSMUSG00000006403	a disintegrin-like and metalloprotease (repolyisin type) with thrombospondin type 1 repeats	gbctl04_plate3_H19	1.59	0.03715	1.96	0.03540
71	ENSMUSG00000020044	Metalloproteinase inhibitor 3 precursor (TIMP-3) (Tissue inhibitor of metalloproteinases)	MTG_602468343	1.4	0.01188	2.15	0.01550
72	ENSMUSG00000034786	G-protein signalling modulator 3 (AGS3-like, C. elegans). [Source:RefSeq;Acc:NM_001080483]	gbctl04_plate13_G20	1.98	0.01229	1.57	0.00551
73	ENSMUSG00000052131	Aldose reductase-related protein 1 (EC 1.1.1.21) (AR) (Aldehyde reductase) (VAS)	MTG_602472838	1.21	0.00563	2.33	0.00269
74	ENSMUSG00000008136	Skeletal muscle LIM-protein 3 (SLIM 3) (LIM-domain protein DRAL) (Four and a half LIM domains 3)	MTG_602469765	1.04	0.02239	2.49	0.00034
75	ENSMUSG00000039503		gbctl04_plate13_N06	1.51	0.03356	2.02	0.02380
76	ENSMUSG00000006205	Serine protease HTRA1 precursor (EC 3.4.21.-). [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	MTG_602469553	2.37	0.00331	1.13	0.02290
77	ENSMUSG00000017309		MTG_602471842	1.98	0.00239	1.49	0.01910
78	ENSMUSG00000022272		MTG_602469704	1.78	0.02084	1.64	0.00929
79	ENSMUSG00000057604	LIM and cysteine-rich domains protein 1. [Source:UniProt/SWISSPROT;Acc:Q8VEE7]	gbctl04_plate4_H19	1.01	0.01103	2.41	0.00335
80	ENSMUSG00000031538	Tissue-type plasminogen activator precursor (EC 3.4.21.68) (tPA) (t-plasminogen activator)	MTG_602138944	2.13	0.00415	1.27	0.01020
81	ENSMUSG000000056501	CCAAT/enhancer binding protein beta (C/EBP beta) (Interleukin-6 dependent binding protein 1)	MTG_602474692	1.44	0.03063	1.96	0.00097
82	ENSMUSG00000032666		MTG_602474473	1.12	0.02045	2.26	0.00056
83	ENSMUSG00000043298		MTG_602467115	1.38	0.01682	1.98	0.00096
84	ENSMUSG00000027800	Transmembrane 4 superfamily member 1 (Tumor-associated antigen L6) (Membrane protein L6)	gbctl04_plate10_O12	1.79	0.00958	1.56	0.00355
85	ENSMUSG00000005501	Ubiquitin carboxyl-terminal hydrolase 40 (EC 3.1.2.15) (Ubiquitin thiolesterase 40) (L)	gbctl04_plate11_P15	1.72	0.00378	1.61	0.00653
86	ENSMUSG00000051978		MTG_602467162	1.46	0.00765	1.86	0.00917
87	ENSMUSG00000021453	Growth arrest and DNA-damage-inducible protein GADD45 gamma (Cytokine response protein 1)	MTG_602467360	1.67	0.02043	1.65	0.01120
88	ENSMUSG00000011263		MTG_602467554	1.82	0.00239	1.49	0.02220
89	ENSMUSG000000026152	procollagen, type IV, alpha 3. [Source:RefSeq;Acc:NM_007734]	gbctl04_plate6_O08	1.57	0.00406	1.74	0.00601
90	ENSMUSG00000030127	COP9 (constitutive photomorphogenic) homolog, subunit 7a; COP9 (constitutive photomorphogenic) homolog, subunit 7b	MTG_602471313	1.51	0.01359	1.8	0.00164
91	ENSMUSG00000025402	NGFI-A binding protein 2 (EGR-1 binding protein 2). [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	MTG_602477020	1.06	0.00678	2.22	0.00017
92	ENSMUSG00000015568	Lipoprotein lipase precursor (EC 3.1.1.34) (LPL). [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	MTG_602475573	1.09	0.01788	2.15	0.00040
93	ENSMUSG00000026249	Glia derived nexin precursor (GDN) (Protease nexin I) (PN-1) (Serine protease-inhibitor)	MTG_602468479	1.88	0.00297	1.36	0.00414
94	ENSMUSG00000032625		MTG_602477667	1.47	0.01076	1.77	0.00868
95	ENSMUSG00000035441		MTG_602139038	1.32	0.00418	1.92	0.00067
96	ENSMUSG00000051855	mesoderm specific transcript; EST AI256745. [Source:RefSeq;Acc:NM_008590]	gbctl04_plate8_I13	1.21	0.01934	2.03	0.00563
97	ENSMUSG00000022231	Semaphorin 5A precursor (Semaphorin F) (Sema F). [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	gbctl04_plate17_H13	1.05	0.00574	2.16	0.00730
98	ENSMUSG00000040260	Disheveled associated activator of morphogenesis 2. [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	gbctl04_plate5_C02	1.48	0.00264	1.71	0.04710
99	ENSMUSG00000027170	dendritic cell protein GA17. [Source:RefSeq;Acc:NM_145380]	gbctl04_plate17_F23	1.21	0.00402	1.93	0.00034
100	ENSMUSG00000052062	Amyotrophic lateral sclerosis 2 chromosome region candidate gene protein 19 homolog	MTG_602468054	1.14	0.0228	1.99	0.00876
101	ENSMUSG00000036879		MTG_602296393	1.56	0.00297	1.54	0.00289
102	ENSMUSG00000031778	Fractalkine precursor (CX3CL1) (Neurotactin) (CX3C membrane-anchored chemokine)	MTG_602476781	1.26	0.00364	1.8	0.00049
103	ENSMUSG00000035403	5930402A21 protein (Fragment). [Source:UniProt/SPTREMBL;Acc:Q80YA8]	MTG_602470194	1.76	0.00328	1.28	0.00709
104	ENSMUSG00000001493	Homeobox protein MOX-1 (Mesenchyme homeobox 1). [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	MTG_602474862	1.24	0.02044	1.76	0.02040
105	ENSMUSG00000022817	Integrin beta-5 precursor. [Source:UniProt/SWISSPROT;Acc:O70309]	MTG_602467875	1.22	0.00574	1.78	0.00790
106	ENSMUSG00000037266		gbctl04_plate8_J22	1.45	0.0176	1.55	0.04280
107	ENSMUSG00000015745	TNF intracellular domain-interacting protein; CK2 interacting protein 1. [Source:RefSeq;Acc:Q7TPD3]	gbctl04_plate12_N03	1.93	0.00395	1.05	0.01250
108	ENSMUSG00000022894	ADAMTS-5 precursor (EC 3.4.24.-) (A disintegrin and metalloproteinase with thrombospondin type 1 motifs)	MTG_602469049	1.6	0.01184	1.35	0.04520
109	ENSMUSG00000058056	Strain Swiss Webster/NIH actin-associated protein palladin (Fragment). [Source:UniProt/SWISSPROT;Acc:Q7TPD3]	gbctl04_plate11_D16	1.24	0.00354	1.71	0.00126
110	ENSMUSG00000026584	ezrin-binding partner PACE-1. [Source:RefSeq;Acc:NM_028776]	MTG_602471190	1.52	0.00354	1.41	0.00165
111	ENSMUSG00000039706	LIM domain binding 2. [Source:RefSeq;Acc:NM_010698]	gbctl04_plate14_N07	1.47	0.00948	1.46	0.00324
112	ENSMUSG00000020601	tribbles homolog 2. [Source:RefSeq;Acc:NM_144551]	MTG_602467572	1.37	0.00574	1.52	0.01990

113	ENSMUSG00000013833	thyroid hormone receptor associated protein 5; thyroid hormone receptor-associated	MTG_602469016	1.43	0.00303	1.4	0.00369
114	ENSMUSG00000022579	1110002J19Rik protein (High density lipoprotein binding protein 1). [Source:Uniprot/	gbctl04_plate15_B13	1.37	0.0401	1.46	0.04120
115	ENSMUSG00000019857	ASF1 anti-silencing function 1 homolog A. [Source:RefSeq;Acc:NM_025541	gbctl04_plate10_J02	1.43	0.00302	1.39	0.01260
116	ENSMUSG00000064326	Apoptosis regulatory protein Siva (CD27-binding protein) (CD27BP). [Source:Uniprot	MTG_602477616	1.42	0.00428	1.39	0.01100
117	ENSMUSG00000020520	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyl[galactosaminyl]transferase	MTG_602475529	1.74	0.0026	1.05	0.00624
118	ENSMUSG00000052837	Transcription factor jun-B. [Source:Uniprot/SWISSPROT;Acc:P09450]	MTG_602472486	1.2	0.00815	1.58	0.00829
119	ENSMUSG00000048878	cardiac lineage protein 1. [Source:RefSeq;Acc:NM_138753]	MTG_602470118	1.49	0.009	1.27	0.01990
120	ENSMUSG00000057301		MTG_602476681	1.19	0.00367	1.57	0.00510
121	ENSMUSG00000002250	Peroxisome proliferator activated receptor delta (PPAR-delta) (PPAR- beta) (Nuclear	MTG_602476773	1.23	0.00422	1.5	0.00125
122	ENSMUSG00000058799	Nucleosome assembly protein 1-like 1 (NAP-1 related protein) (Brain protein DN38).	MTG_602469448	1.13	0.01946	1.59	0.00322
123	ENSMUSG00000026672	optineurin; TFIIIA-INTP. [Source:RefSeq;Acc:NM_181848]	MTG_602296315	1.16	0.00635	1.45	0.00893
124	ENSMUSG00000039628		MTG_602467022	1.06	0.01288	1.54	0.00666
125	ENSMUSG00000008348	Ubiquitin. [Source:Uniprot/SWISSPROT;Acc:P02248]	gbctl04_plate6_P06	1.15	0.00569	1.45	0.00133
126	ENSMUSG00000020121	SLIT-ROBO Rho GTPase activating protein 1 (srGAP1) (Rho-GTPase- activating pro	gbctl04_plate12_O13	1.05	0.00772	1.54	0.01290
127	ENSMUSG00000052105		MTG_602467135	1.37	0.00708	1.2	0.01630
128	ENSMUSG00000040003	Atrophen-1 interacting protein 1 (Membrane associated guanylate kinase inverted-2)	MTG_602473284	1.33	0.00426	1.22	0.01440
129	ENSMUSG00000021112	MAGUK p55 subfamily member 5 (Protein associated with Lin-7 1). [Source:Uniprot/	MTG_602468154	1.22	0.00347	1.32	0.00496
130	ENSMUSG00000042675	Yippee-like protein 3. [Source:Uniprot/SWISSPROT;Acc:P61237]	MTG_602476328	1.21	0.02145	1.32	0.02920
131	ENSMUSG00000050212		gbctl04_plate8_G02	1.21	0.00609	1.29	0.00568
132	ENSMUSG00000022122	Endothelin B receptor precursor (ET-B) (Endothelin receptor Non- selective type). [S	gbctl04_plate11_C08	1.24	0.03716	1.23	0.02950
133	ENSMUSG00000000934	DNA topoisomerase I. [Source:Uniprot/SPTREMBL;Acc:Q8R4U6]	MTG_602476161	1.17	0.0278	1.29	0.02810
134	ENSMUSG00000054203	interferon activated gene 205; interferon-activatable protein 205-like. [Source:RefSeq	MTG_602474876	1.35	0.03053	1.11	0.03050
135	ENSMUSG00000029070	limitrin. [Source:RefSeq;Acc:NM_024263]	MTG_602469209	1.17	0.00597	1.27	0.00298
136	ENSMUSG00000060985		MTG_602471140	1.32	0.00303	1.03	0.04660
137	ENSMUSG00000029638	glucocorticoid induced transcript 1; testhymim; thymocyte/spermatocyte selection 1. [MTG_602467575	1.21	0.03079	1.11	0.03240
138	ENSMUSG00000056748		gbctl04_plate12_K16	1.05	0.02941	1.22	0.00879
139	ENSMUSG00000058865		MTG_602467063	1.07	0.02394	1.19	0.01270
140	ENSMUSG00000022505	Epithelial membrane protein-2 (EMP-2) (XMP protein). [Source:Uniprot/SWISSPROT	MTG_602475342	1.05	0.00556	1.16	0.00902
141	ENSMUSG00000000325	Armadillo repeat protein deleted in velo-cardio-facial syndrome homolog (Fragment).	MTG_602296391	1.19	0.00639	1.01	0.04840
142	ENSMUSG00000027777	schwannomin interacting protein 1; neurofibromatosis 2 interacting protein. [Source:F	MTG_602472953	1.1	0.00665	1.09	0.02290
143	ENSMUSG00000026712	mannose receptor, C type 1. [Source:RefSeq;Acc:NM_008625]	MTG_602467778	1.04	0.00551	1.12	0.00342
1	EST		gbctl04_plate7_K14	2.49	0.006303	3.26	0.00018
2	EST		gbctl04_plate5_L23	2.45	0.013272	3.09	0.00057
3	EST		MTG_602469520	2.27	0.00239	3.2	0.00003
4	EST		MTG_602310626	1.02	0.045325	4.23	0.00006
5	EST		gbctl04_plate4_O08	2.24	0.009017	2.95	0.00033
6	EST		MTG_602467023	2.28	0.002723	2.79	0.00079
7	EST		gbctl04_plate3_L22	1.99	0.01192	2.99	0.00033
8	EST		gbctl04_plate15_K17	2.7	0.00239	2.01	0.02950
9	EST		gbctl04_plate10_D02	2.09	0.003032	2.43	0.00006
10	EST		MTG_602473406	2.06	0.00239	2.45	0.00473
11	EST		gbctl04_plate8_M14	2.19	0.002642	2.25	0.00465
12	EST		gbctl04_plate5_M19	2.49	0.00239	1.91	0.00145
13	EST		MTG_602471429	1.5	0.00302	2.67	0.00388
14	EST		MTG_602474109	2.2	0.002577	1.92	0.02240
15	EST		MTG_602470178	1.93	0.020682	1.98	0.00243
16	EST		gbctl04_plate13_C03	1.71	0.009746	2.13	0.01180
17	EST		MTG_602473630	1.55	0.030634	2.14	0.00853
18	EST		gbctl04_plate3_L13	1.82	0.027714	1.85	0.01930
19	EST		gbctl04_plate6_O05	2.15	0.00239	1.45	0.00879
20	EST		gbctl04_plate14_K23	1.6	0.006993	1.73	0.00091
21	EST		MTG_602476601	1.41	0.025245	1.87	0.04820
22	EST		MTG_602471282	1.56	0.002723	1.7	0.03220
23	EST		MTG_602473845	1.53	0.002723	1.63	0.00343
24	EST		MTG_602470345	1.26	0.003671	1.88	0.03860
25	EST		MTG_602138935	1.14	0.031845	1.93	0.00258
26	EST		MTG_602474350	1.73	0.004031	1.32	0.03490
27	EST		MTG_602467858	1.53	0.003055	1.41	0.01210

28	EST	MTG_602477647	1.16	0.049493	1.65	0.00823
29	EST	gbctI04_plate14_F05	1.34	0.01129	1.46	0.01150
30	EST	MTG_602467148	1.43	0.003032	1.33	0.00484
31	EST	MTG_602476817	1.04	0.009021	1.46	0.00187
32	EST	MTG_602471153	1.21	0.004895	1.25	0.01320
33	EST	MTG_602468449	1.19	0.009021	1.13	0.02520
34	EST	MTG_602473237	1.09	0.008067	1.2	0.00817

Table S5

List of category 3 genes in Fig.1C.