

## Table S3

Gene category 1	Glomerulus cDNA clones	Clone_id	log2(glo/rest_kidney)	Pvalue
ENSEMBL_gene_id	ENSEMBL_gene_name			
1 ENSMUSG00000040856	Delta-like protein precursor (DLK) (Preadipocyte factor 1) (Pref-1) (Adipocyte differentiation inhibitor protein) [Contains: Fc	MTG_602467820	3.84	0.00239
2 ENSMUSG00000026602	Podocin. [Source:Uniprot/SWISSPROT;Acc:Q91X05]	MTG_602471477	3.4	0.00272
3 ENSMUSG00000024065		MTG_602469138	3.1	0.00315
4 ENSMUSG00000026449	Renin 1 precursor (EC 3.4.23.15) (Angiotensinogenase) (Kidney renin). [Source:Uniprot/SWISSPROT;Acc:P06281]	gbctt04_plate11_D20	3.09	0.00306
5 ENSMUSG00000006649	Nephrin precursor (Renal glomerulus-specific cell adhesion receptor). [Source:Uniprot/SWISSPROT;Acc:Q9QZS7]	MTG_602468008	3.04	0.00239
6 ENSMUSG00000021904		MTG_602468143	2.99	0.00239
7 ENSMUSG00000041378	Claudin-5 (Brain endothelial cell clone 1 protein) (Lung-specific membrane protein). [Source:Uniprot/SWISSPROT;Acc:O	MTG_602469286	2.96	0.00306
8 ENSMUSG00000043079	Synaptopodin. [Source:Uniprot/SWISSPROT;Acc:Q8CC35]	MTG_602138940	2.91	0.00258
9 ENSMUSG00000037664	Cyclin-dependent kinase inhibitor 1C (Cyclin-dependent kinase inhibitor p57) (p57KIP2). [Source:Uniprot/SWISSPROT;A	gbctt04_plate3_K18	2.88	0.00264
10 ENSMUSG00000022580	Rhophilin 1 (GTP-Rho binding protein 1). [Source:Uniprot/SWISSPROT;Acc:Q61085]	MTG_602469483	2.84	0.00264
11 ENSMUSG00000030717	Nuclear protein 1 (Protein p8). [Source:Uniprot/SWISSPROT;Acc:Q9WTK0]	gbctt04_plate9_C21	2.77	0.01335
12 ENSMUSG00000015093	Chloride intracellular channel protein 3. [Source:Uniprot/SWISSPROT;Acc:Q9D7P7]	gbctt04_plate13_A02	2.71	0.00358
13 ENSMUSG00000028713	Cytochrome P450 4B1 (EC 1.14.14.1) (CYP1VB1). [Source:Uniprot/SWISSPROT;Acc:Q64462]	gbctt04_plate14_F18	2.71	0.00239
14 ENSMUSG00000022206	Atrial natriuretic peptide clearance receptor precursor (ANP-C) (ANPRC) (NPR-C) (Atrial natriuretic peptide C-type recept	MTG_602473088	2.7	0.00305
15 ENSMUSG00000046714	Forkhead box protein C2 (Forkhead-related protein FKHL14) (Mesenchyme fork head protein 1) (MFH-1 protein) (Transcr	gbctt04_plate17_L12	2.66	0.00272
16 ENSMUSG00000029761	caldesmon 1; EST A1195384. [Source:RefSeq;Acc:NM_145575]	gbctt04_plate8_A07	2.65	0.00239
17 ENSMUSG00000028031	Dickkopf related protein-2 precursor (Dkk-2) (Dickkopf-2) (mDkk-2). [Source:Uniprot/SWISSPROT;Acc:Q9QYZ8]	gbctt04_plate15_H23	2.64	0.00373
18 ENSMUSG00000004891	nestin; intermediate filament protein. [Source:RefSeq;Acc:NM_016701]	gbctt04_plate16_P09	2.6	0.00264
19 ENSMUSG00000056492		MTG_602473220	2.51	0.00272
20 ENSMUSG00000036390	Growth arrest and DNA-damage-inducible protein GADD45 alpha (DNA- damage inducible transcript 1) (DDIT1). [Source	MTG_602468308	2.48	0.00451
21 ENSMUSG00000035929	H-2 class I histocompatibility antigen, Q10 alpha chain precursor. [Source:Uniprot/SWISSPROT;Acc:P01898]	MTG_602139046	2.47	0.01132
22 ENSMUSG000000031461	myomesin 2; skeletal muscle 165kD protein; skeletal muscle 165kDa protein. [Source:RefSeq;Acc:NM_008664]	MTG_602470266	2.43	0.00295
23 ENSMUSG00000024921		MTG_602471205	2.41	0.00756
24 ENSMUSG00000054690	endomucin; mucin 14, endothelial. [Source:RefSeq;Acc:NM_016885]	gbctt04_plate16_F07	2.41	0.00272
25 ENSMUSG00000006205	Serine protease HTRA1 precursor (EC 3.4.21.-). [Source:Uniprot/SWISSPROT;Acc:Q9R118]	MTG_602469553	2.37	0.00331
26 ENSMUSG00000057123	Gap junction alpha-5 protein (Connexin 40) (Cx40). [Source:Uniprot/SWISSPROT;Acc:Q01231]	MTG_602477362	2.35	0.01206
27 ENSMUSG00000029648	Vascular endothelial growth factor receptor 1 precursor (EC 2.7.1.112) (VEGFR-1) (Tyrosine-protein kinase receptor FLT	MTG_602471154	2.28	0.00272
28 ENSMUSG00000004105	Angiopoietin-related protein 2 precursor (Angiopoietin-like 2). [Source:Uniprot/SWISSPROT;Acc:Q9R045]	MTG_602468751	2.25	0.00239
29 ENSMUSG00000003411	Ras-related protein Rab-3B. [Source:Uniprot/SWISSPROT;Acc:Q9CZT8]	gbctt04_plate7_I24	2.25	0.00239
30 ENSMUSG000000031538	Tissue-type plasminogen activator precursor (EC 3.4.21.68) (tPA) (t- PA) (t-plasminogen activator). [Source:Uniprot/SWIS	gbctt04_plate3_E13	2.23	0.00302
31 ENSMUSG00000064196		gbctt04_plate10_H24	2.22	0.00239
32 ENSMUSG00000053198	Periaxin. [Source:Uniprot/SWISSPROT;Acc:O55103]	gbctt04_plate16_N24	2.2	0.00436
33 ENSMUSG00000025608	Podocalyxin-like protein 1 precursor. [Source:Uniprot/SWISSPROT;Acc:Q9R0M4]	MTG_602468601	2.2	0.00265
34 ENSMUSG00000026185	Insulin-like growth factor binding protein 5 precursor (IGFBP-5) (IBP- 5) (IGF-binding protein 5). [Source:Uniprot/SWISSP	gbctt04_plate13_H09	2.18	0.00239
35 ENSMUSG00000048376	Proteinase activated receptor 1 precursor (PAR-1) (Thrombin receptor). [Source:Uniprot/SWISSPROT;Acc:P30558]	gbctt04_plate9_J02	2.17	0.00358
36 ENSMUSG00000017446	C1q and tumor necrosis factor related protein 1; putative secreted protein ZSIG37. [Source:RefSeq;Acc:NM_019959]	MTG_602477592	2.17	0.00340
37 ENSMUSG00000029061	matrix metalloproteinase 23; cysteine array matrix metalloproteinase. [Source:RefSeq;Acc:NM_011985]	gbctt04_plate17_D12	2.09	0.00272
38 ENSMUSG00000016458	Wilms' tumor protein homolog. [Source:Uniprot/SWISSPROT;Acc:P22561]	gbctt04_plate4_A12	2.08	0.01102
39 ENSMUSG00000025810	Neuropilin-1 precursor (A5 protein). [Source:Uniprot/SWISSPROT;Acc:P97333]	gbctt04_plate14_H09	2.06	0.00239
40 ENSMUSG00000050010		MTG_602138918	2.03	0.00960
41 ENSMUSG00000020520	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10; UDP-N-acetyl-alpha-D-galactos	gbctt04_plate13_B21	2.02	0.00239
42 ENSMUSG00000035566		MTG_602477729	2.01	0.00415
43 ENSMUSG00000030223	protein tyrosine phosphatase, receptor type, O. [Source:RefSeq;Acc:NM_011216]	MTG_602469836	2.01	0.00440
44 ENSMUSG00000054560	H-2 class I histocompatibility antigen, Q9 alpha chain precursor (Fragment). [Source:Uniprot/SWISSPROT;Acc:P14431]	MTG_602468080	2.01	0.00305
45 ENSMUSG00000020218	Wnt inhibitory factor 1 precursor (WIF-1). [Source:Uniprot/SWISSPROT;Acc:Q9WUA1]	MTG_602139073	2	0.00246
46 ENSMUSG00000017309		MTG_602471842	1.98	0.00239
47 ENSMUSG00000034738	nitric oxide synthase trafficker; nostrin; Dab2-interacting protein 2. [Source:RefSeq;Acc:NM_181547]	gbctt04_plate13_G08	1.98	0.01071
48 ENSMUSG00000038831	Ral guanine nucleotide exchange factor RalGPS1A. [Source:RefSeq;Acc:NM_175211]	gbctt04_plate3_I06	1.96	0.00264
49 ENSMUSG00000001123	Galectin-9. [Source:Uniprot/SWISSPROT;Acc:O08573]	MTG_602472684	1.95	0.00269
50 ENSMUSG00000026768	integrin alpha 8. [Source:RefSeq;Acc:NM_001001309]	MTG_602467867	1.95	0.01076
51 ENSMUSG00000027834	Neuroserpin precursor (Protease inhibitor 17). [Source:Uniprot/SWISSPROT;Acc:O35684]	MTG_602467339	1.95	0.00453
52 ENSMUSG00000021759	Lipid phosphate phosphohydrolase 1 (EC 3.1.3.4) (Phosphatidic acid phosphatase 2a) (Phosphatidate phosphohydrolase	MTG_602138959	1.94	0.01596

53	ENSMUSG00000015745	TNF intracellular domain-interacting protein; CK2 interacting protein 1. [Source:RefSeq;Acc:NM_023320]	gbct04_plate12_N03	1.93	0.00395
54	ENSMUSG00000059213	MKIAA0749 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q80TS7]	MTG_602467382	1.92	0.00467
55	ENSMUSG00000056708	immediate early response 5. [Source:RefSeq;Acc:NM_010500]	MTG_602468272	1.91	0.01132
56	ENSMUSG00000052516	Roundabout homolog 2 precursor. [Source:Uniprot/SWISSPROT;Acc:Q7TPD3]	MTG_602470037	1.9	0.00436
57	ENSMUSG00000033502	Dual-specificity phosphatase homolog (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q8BZ66]	MTG_602476009	1.89	0.01032
58	ENSMUSG00000008384	SERTA domain-containing protein 1 (Transcriptional regulator interacting with the PHD-bromodomain 1) (TRIP-Br1) (CDK	MTG_602472022	1.88	0.04680
59	ENSMUSG00000026249	Glia derived nexin precursor (GDN) (Protease nexin I) (PN-1) (Serine protease-inhibitor-4). [Source:Uniprot/SWISSPROT	MTG_602468479	1.88	0.00297
60	ENSMUSG00000062960	Vascular endothelial growth factor receptor 2 precursor (EC 2.7.1.112) (VEGFR-2) (Protein-tyrosine kinase receptor flk-1)	gbct04_plate8_K20	1.87	0.00421
61	ENSMUSG00000031029	Eukaryotic translation initiation factor 3 subunit 5 (eIF-3 epsilon) (eIF3 p47 subunit) (eIF3f). [Source:Uniprot/SWISSPROT	MTG_602471221	1.86	0.00816
62	ENSMUSG00000044258	CTLA-2-beta protein precursor (Fragment). [Source:Uniprot/SWISSPROT;Acc:P12400]	gbct04_plate4_B23	1.85	0.01241
63	ENSMUSG00000011263		MTG_602467554	1.82	0.00239
64	ENSMUSG00000030513	PACE4A (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q62030]	MTG_602475863	1.82	0.00436
65	ENSMUSG00000026728	Vimentin. [Source:Uniprot/SWISSPROT;Acc:P20152]	MTG_602469128	1.81	0.00272
66	ENSMUSG00000018411	Microtubule-associated protein tau (Neurofibrillary tangle protein) (Paired helical filament-tau) (PHF-tau). [Source:Uniprot/	MTG_602474179	1.8	0.00264
67	ENSMUSG00000035954	Dedicator of cytokinesis protein 4. [Source:Uniprot/SWISSPROT;Acc:P59764]	gbct04_plate8_L22	1.79	0.00315
68	ENSMUSG00000024451	ARF-GAP, RHO-GAP, ankyrin repeat and pleckstrin homology domains-containing protein 3; dual-specificity Rho- and Ar	gbct04_plate3_D05	1.79	0.00476
69	ENSMUSG00000016087	Friend leukemia integration 1 transcription factor (Retroviral integration site protein Fli-1). [Source:Uniprot/SWISSPROT;A	MTG_602469456	1.78	0.02219
70	ENSMUSG00000022272		MTG_602469704	1.78	0.02084
71	ENSMUSG00000037679		MTG_602471444	1.77	0.00307
72	ENSMUSG00000018593	SPARC precursor (Secreted protein acidic and rich in cysteine) (Osteonectin) (ON) (Basement membrane protein BM-40)	gbct04_plate13_B15	1.74	0.00239
73	ENSMUSG00000050493		gbct04_plate3_L03	1.74	0.01526
74	ENSMUSG00000060570		gbct04_plate6_E10	1.73	0.00434
75	ENSMUSG00000034786	G-protein signalling modulator 3 (AGS3-like, C. elegans). [Source:RefSeq;Acc:NM_134116]	MTG_602469668	1.73	0.00538
76	ENSMUSG00000005501	Ubiquitin carboxyl-terminal hydrolase 40 (EC 3.1.2.15) (Ubiquitin thiolesterase 40) (Ubiquitin-specific processing protease	gbct04_plate11_P15	1.72	0.00378
77	ENSMUSG00000022454	Protein kinase C-binding protein NELL2 precursor (NEL-like protein 2) (MEL91 protein). [Source:Uniprot/SWISSPROT;Ac	gbct04_plate15_F21	1.72	0.00421
78	ENSMUSG00000032679	CD59A glycoprotein precursor (Membrane attack complex inhibition factor) (MACIF) (MAC-inhibitory protein) (MAC-IP) (P	MTG_602477476	1.72	0.00272
79	ENSMUSG00000038175	myosin regulatory light chain interacting protein. [Source:RefSeq;Acc:NM_153789]	gbct04_plate10_K20	1.72	0.00516
80	ENSMUSG00000054435	immune associated nucleotide 1 isoform b. [Source:RefSeq;Acc:NM_175048]	MTG_602467472	1.72	0.00272
81	ENSMUSG00000039377	Homeobox protein HLX1. [Source:Uniprot/SWISSPROT;Acc:Q61670]	MTG_602474015	1.72	0.00272
82	ENSMUSG00000049775		gbct04_plate4_H16	1.71	0.00516
83	ENSMUSG00000058826		MTG_602475118	1.71	0.00525
84	ENSMUSG00000030605	Lactadherin precursor (Milk fat globule-EGF factor 8) (MFG-E8) (MFGM) (Sperm surface protein SP47) (MP47). [Source:l	MTG_602467177	1.69	0.02871
85	ENSMUSG00000063968	H-2 class I histocompatibility antigen, Q8 alpha chain precursor. [Source:Uniprot/SWISSPROT;Acc:P14430]	MTG_602467004	1.69	0.00595
86	ENSMUSG00000024440	Protocadherin 12 precursor (Vascular cadherin-2) (Vascular endothelial cadherin-2) (VE-cadherin-2) (VE-cad-2). [Source:	MTG_602468710	1.69	0.00420
87	ENSMUSG00000035333	protease inhibitor 15; cysteine-rich secreted protein. [Source:RefSeq;Acc:NM_053191]	MTG_602472831	1.68	0.00541
88	ENSMUSG00000044562		MTG_602473656	1.68	0.00255
89	ENSMUSG00000002504	Na(+)/H(+) exchange regulatory cofactor NHE-RF2 (NHERF-2) (Tyrosine kinase activator protein 1) (TKA-1) (SRY interac	gbct04_plate14_G16	1.68	0.00336
90	ENSMUSG00000021453	Growth arrest and DNA-damage-inducible protein GADD45 gamma (Cytokine responsive protein CR6). [Source:Uniprot/S	MTG_602467360	1.67	0.02043
91	ENSMUSG00000025902	Transcription factor SOX-17. [Source:Uniprot/SWISSPROT;Acc:Q61473]	MTG_602468677	1.67	0.00993
92	ENSMUSG00000029641		MTG_602476673	1.67	0.00264
93	ENSMUSG00000024998	phospholipase C, epsilon. [Source:RefSeq;Acc:NM_019588]	MTG_602471769	1.66	0.01307
94	ENSMUSG00000022090	PDZ and LIM domain 2; hypothetical protein MGC37634. [Source:RefSeq;Acc:NM_145978]	MTG_602477137	1.66	0.01022
95	ENSMUSG00000035403	5930402A21 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q80YA8]	MTG_602470415	1.65	0.00264
96	ENSMUSG00000004951	Heat-shock protein beta-1 (HspB1) (Heat shock 27 kDa protein) (HSP 27) (Growth-related 25 kDa protein) (P25) (HSP25)	MTG_602474453	1.64	0.01087
97	ENSMUSG00000023959	Chloride intracellular channel protein 5. [Source:Uniprot/SWISSPROT;Acc:Q8BXK9]	MTG_602467168	1.64	0.00272
98	ENSMUSG00000039910	Cbp/p300-interacting transactivator 2 (MSG-related protein 1) (MRG1 protein). [Source:Uniprot/SWISSPROT;Acc:O3574]	gbct04_plate15_M02	1.62	0.02959
99	ENSMUSG00000027210	Homeobox protein Meis2 (Meis1-related protein 1). [Source:Uniprot/SWISSPROT;Acc:P97367]	MTG_602139087	1.61	0.00302
100	ENSMUSG00000027800	Transmembrane 4 superfamily member 1 (Tumor-associated antigen L6) (Membrane component, surface marker 1) (M3	MTG_602472291	1.61	0.00373
101	ENSMUSG00000022894	ADAMTS-5 precursor (EC 3.4.24.-) (A disintegrin and metalloproteinase with thrombospondin motifs 5) (ADAM-TS 5) (AD	MTG_602469049	1.6	0.01184
102	ENSMUSG00000027858	Tetraspanin 2 (Tspan-2). [Source:Uniprot/SWISSPROT;Acc:Q922J6]	MTG_602472661	1.6	0.00495
103	ENSMUSG00000006403	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4; aggrecanase-1. [Source:Ref	gbct04_plate3_H19	1.59	0.03715
104	ENSMUSG00000018381	ABI gene family, member 3. [Source:RefSeq;Acc:NM_025659]	MTG_602473624	1.59	0.00272
105	ENSMUSG00000021806	Nidogen-2 precursor (NID-2) (Entactin-2). [Source:Uniprot/SWISSPROT;Acc:O88322]	gbct04_plate7_F17	1.58	0.00346
106	ENSMUSG00000032231	Annexin A2 (Annexin II) (Lipocortin II) (Calpactin I heavy chain) (Chromobindin B) (P36) (Protein I) (Placental anticoagula	gbct04_plate16_I05	1.58	0.01400
107	ENSMUSG00000026152	procollagen, type IV, alpha 3. [Source:RefSeq;Acc:NM_007734]	gbct04_plate6_O08	1.57	0.00406
108	ENSMUSG00000022661	OX-2 membrane glycoprotein precursor (MRC OX-2 antigen). [Source:Uniprot/SWISSPROT;Acc:O54901]	MTG_602469306	1.57	0.00517

109	ENSMUSG00000026360	Regulator of G-protein signaling 2 (RGS2). [Source:Uniprot/SWISSPROT;Acc:O08849]	gbctt04_plate6_G14	1.57	0.00272
110	ENSMUSG00000027684	Ecotropic virus integration 1 site protein. [Source:Uniprot/SWISSPROT;Acc:P14404]	MTG_602469307	1.56	0.00542
111	ENSMUSG00000033170	Caspase recruitment domain protein 10 (Bcl10-interacting MAGUK protein 1) (Bimp1). [Source:Uniprot/SWISSPROT;Acc:MTG_602471055]	MTG_602471055	1.56	0.00649
112	ENSMUSG00000036879		MTG_602296393	1.56	0.00297
113	ENSMUSG00000031824		MTG_602472128	1.56	0.00337
114	ENSMUSG00000043984		gbctt04_plate15_G20	1.55	0.01929
115	ENSMUSG00000018995		gbctt04_plate11_G20	1.54	0.02540
116	ENSMUSG00000032125	Roundabout homolog 4 precursor. [Source:Uniprot/SWISSPROT;Acc:Q8C310]	MTG_602470736	1.54	0.01524
117	ENSMUSG00000024168		gbctt04_plate5_N09	1.54	0.00387
118	ENSMUSG00000009687	FXYD domain-containing ion transport regulator 5 precursor (Oncoprotein-induced protein 2) (Ion channel homolog RIC) (	gbctt04_plate12_L22	1.54	0.02478
119	ENSMUSG00000016494	Hematopoietic progenitor cell antigen CD34 precursor. [Source:Uniprot/SWISSPROT;Acc:Q64314]	gbctt04_plate8_G22	1.53	0.00272
120	ENSMUSG00000020431	Adenylyl cyclase type I (EC 4.6.1.1) (Fragment). [Source:Uniprot/SPTREMBL;Acc:O88444]	MTG_602477447	1.53	0.00272
121	ENSMUSG00000026584	ezrin-binding partner PACE-1. [Source:RefSeq;Acc:NM_028776]	MTG_602471190	1.52	0.00354
122	ENSMUSG00000033355	28 kDa interferon responsive protein. [Source:Uniprot/SWISSPROT;Acc:Q9ER80]	MTG_602472011	1.52	0.00944
123	ENSMUSG00000053344		MTG_602474446	1.52	0.00272
124	ENSMUSG00000059588	Calcitonin gene-related peptide type 1 receptor precursor (CGRP type 1 receptor) (Calcitonin receptor-like receptor). [Sou	MTG_602467069	1.52	0.00272
125	ENSMUSG00000018845	cardiomyopathy associated 4; striated muscle UNC45. [Source:RefSeq;Acc:NM_178680]	MTG_602475484	1.52	0.00316
126	ENSMUSG00000032220	Myosin If. [Source:Uniprot/SWISSPROT;Acc:P70248]	MTG_602477359	1.52	0.00342
127	ENSMUSG00000029484	Annexin A3 (Annexin III) (Lipocortin III) (Placental anticoagulant protein III) (PAP-III) (35-alpha calcimedlin). [Source:Unipr	MTG_602467721	1.51	0.00272
128	ENSMUSG00000030127	COP9 (constitutive photomorphogenic) homolog, subunit 7a; COP9 (constitutive photomorphogenic), subunit 7a (Arabido	MTG_602471313	1.51	0.01359
129	ENSMUSG00000035227	Microsomal signal peptidase 25 kDa subunit (EC 3.4.-.-) (SPase 25 kDa subunit) (SPC25). [Source:Uniprot/SWISSPROT	MTG_602467122	1.51	0.03673
130	ENSMUSG00000039503		gbctt04_plate13_N06	1.51	0.03356
131	ENSMUSG00000054364	Transforming protein RhoB (H6). [Source:Uniprot/SWISSPROT;Acc:P01121]	MTG_602475026	1.51	0.01248
132	ENSMUSG00000026480	neutrophil cytosolic factor 2; NADPH oxidase subunit (67 kD); NADPH oxidase subunit (67kDa). [Source:RefSeq;Acc:NM	MTG_602467813	1.51	0.00976
133	ENSMUSG00000020458	Reticulon 4 (Neurite outgrowth inhibitor) (Nogo protein). [Source:Uniprot/SWISSPROT;Acc:Q99P72]	gbctt04_plate17_A09	1.5	0.01599
134	ENSMUSG00000031217	Ephrin-B1 precursor (EPH-related receptor tyrosine kinase ligand 2) (LERK-2) (ELK ligand) (ELK-L) (STRA1 protein) (CEI	gbctt04_plate10_J04	1.5	0.01527
135	ENSMUSG00000029579	1110002J19Rik protein (High density lipoprotein binding protein 1). [Source:Uniprot/SPTREMBL;Acc:Q9D1N2]	gbctt04_plate16_F15	1.49	0.01692
136	ENSMUSG00000024074	Cysteine-rich repeat-containing protein CRIM1 precursor (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q9JLL0]	MTG_602474546	1.49	0.00312
137	ENSMUSG00000048878	cardiac lineage protein 1. [Source:RefSeq;Acc:NM_138753]	MTG_602470118	1.49	0.00900
138	ENSMUSG00000052713	zinc finger protein 608. [Source:RefSeq;Acc:NM_175751]	MTG_602471485	1.49	0.01357
139	ENSMUSG00000027996	secreted frizzled-related sequence protein 2; stromal cell derived factor 5; secreted frizzled-related sequence protein 5. [S	gbctt04_plate14_O17	1.49	0.01206
140	ENSMUSG00000037003	C1 domain-containing phosphatase and tensin-like protein; tensin 2. [Source:RefSeq;Acc:NM_153533]	MTG_602467043	1.48	0.01566
141	ENSMUSG00000043505	Immunity-associated nucleotide 4-like 1 protein (Immunity-associated protein 3). [Source:Uniprot/SWISSPROT;Acc:Q8BV	MTG_602476926	1.48	0.00728
142	ENSMUSG00000029211	Gamma-aminobutyric-acid receptor alpha-4 subunit precursor (GABA(A) receptor). [Source:Uniprot/SWISSPROT;Acc:Q9	gbctt04_plate12_P13	1.48	0.00960
143	ENSMUSG00000040260	Disheveled associated activator of morphogenesis 2. [Source:Uniprot/SWISSPROT;Acc:Q80U19]	gbctt04_plate5_C02	1.48	0.00264
144	ENSMUSG00000039706	LIM domain binding 2. [Source:RefSeq;Acc:NM_010698]	gbctt04_plate14_N07	1.47	0.00948
145	ENSMUSG00000040212	Epithelial membrane protein-3 (EMP-3) (YMP protein) (Hematopoietic neural membrane protein) (HNMP-1). [Source:Unip	MTG_602470466	1.47	0.01045
146	ENSMUSG00000046546		MTG_602471228	1.47	0.01132
147	ENSMUSG000000062515	Fatty acid-binding protein, adipocyte (AFABP) (Adipocyte lipid-binding protein) (ALBP) (A-FABP) (P2 adipocyte protein) (F	MTG_602474869	1.47	0.01581
148	ENSMUSG00000035353	RAS guanyl releasing protein 3. [Source:RefSeq;Acc:NM_207246]	gbctt04_plate11_F24	1.47	0.00421
149	ENSMUSG00000020099	unc-5 homolog B; unc5 homolog (C. elegans) 2. [Source:RefSeq;Acc:NM_029770]	MTG_602468418	1.46	0.00357
150	ENSMUSG00000028517	Lipid phosphate phosphohydrolase 3 (EC 3.1.3.4) (Phosphatidic acid phosphatase 2b) (Phosphatidate phosphohydrolase	MTG_602467668	1.46	0.00307
151	ENSMUSG00000051978		MTG_602467162	1.46	0.00765
152	ENSMUSG00000026813	sialyltransferase 7 ((alpha-N-acetylneuraminy) 2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase	gbctt04_plate16_I24	1.46	0.00442
153	ENSMUSG00000037266		gbctt04_plate8_J22	1.45	0.01760
154	ENSMUSG00000056501	CCAAT/enhancer binding protein beta (C/EBP beta) (Interleukin-6- dependent binding protein) (IL-6DBP) (Liver-enriched	MTG_602474692	1.44	0.03063
155	ENSMUSG00000038604	MKIAA1930 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q80T73]	MTG_602474744	1.44	0.00269
156	ENSMUSG00000013833	thyroid hormone receptor associated protein 5; thyroid hormone receptor-associated protein, 95-kD subunit; thyroid horm	MTG_602469016	1.43	0.00303
157	ENSMUSG00000019857	ASF1 anti-silencing function 1 homolog A. [Source:RefSeq;Acc:NM_025541]	gbctt04_plate10_J02	1.43	0.00302
158	ENSMUSG00000025492	interferon induced transmembrane protein 3; fragilis. [Source:RefSeq;Acc:NM_025378]	MTG_602476412	1.43	0.03754
159	ENSMUSG00000053468	Early B-cell factor. [Source:Uniprot/SPTREMBL;Acc:Q8C955]	MTG_602467757	1.43	0.03407
160	ENSMUSG00000046186	CD109 antigen; GPI-anchored alpha 2 macroglobulin-related protein; Gov platelet alloantigens. [Source:RefSeq;Acc:NM	gbctt04_plate11_O11	1.42	0.00265
161	ENSMUSG000000064326	Apoptosis regulatory protein Siva (CD27-binding protein) (CD27BP). [Source:Uniprot/SWISSPROT;Acc:O54926]	MTG_602477616	1.42	0.00428
162	ENSMUSG00000019843	Proto-oncogene tyrosine-protein kinase FYN (EC 2.7.1.112) (P59-FYN). [Source:Uniprot/SWISSPROT;Acc:P39688]	MTG_602469292	1.41	0.00272
163	ENSMUSG00000042745	DNA-binding protein inhibitor ID-1 (ID). [Source:Uniprot/SWISSPROT;Acc:P20067]	MTG_602474003	1.41	0.02691
164	ENSMUSG00000001240	Receptor activity-modifying protein 2 precursor. [Source:Uniprot/SWISSPROT;Acc:Q9WUP0]	MTG_602470934	1.4	0.01700

165	ENSMUSG00000019970	Serine/threonine-protein kinase Sgk1 (EC 2.7.1.37) (Serum/glucocorticoid-regulated kinase 1). [Source:Uniprot/SWISSPF	MTG_602468044	1.4	0.00367
166	ENSMUSG00000024190	Dual specificity protein phosphatase 1 (EC 3.1.3.48) (EC 3.1.3.16) (MAP kinase phosphatase-1) (MKP-1) (Protein-tyrosin	MTG_602474213	1.4	0.01290
167	ENSMUSG00000024238	Transcription factor 8 (Zinc finger homeobox protein 1a) (MEB1) (Delta EF1). [Source:Uniprot/SWISSPROT;Acc:Q64318]	MTG_602475969	1.4	0.00365
168	ENSMUSG00000026817	Adenylate kinase isoenzyme 1 (EC 2.7.4.3) (ATP-AMP transphosphorylase) (AK1) (Myokinase). [Source:Uniprot/SWISSF	MTG_602470558	1.4	0.03148
169	ENSMUSG00000043421		MTG_602472721	1.4	0.01658
170	ENSMUSG00000031393	Methyl-CpG-binding protein 2 (MeCP-2 protein) (MeCP2). [Source:Uniprot/SWISSPROT;Acc:Q9Z2D6]	gbctt04_plate8_H02	1.39	0.00272
171	ENSMUSG00000013611		gbctt04_plate6_E16	1.39	0.00963
172	ENSMUSG00000029436	Matrix metalloproteinase-17 precursor (EC 3.4.24.-) (MMP-17) (Membrane-type matrix metalloproteinase 4) (MT-MMP 4)	MTG_602471826	1.39	0.00272
173	ENSMUSG00000032035	C-ets-1 protein (p54). [Source:Uniprot/SWISSPROT;Acc:P27577]	MTG_602475030	1.39	0.01359
174	ENSMUSG00000020077	Secretory granule proteoglycan core protein precursor (Mastocytoma proteoglycan core protein) (Serglycin). [Source:Unipr	gbctt04_plate6_N15	1.38	0.00436
175	ENSMUSG00000020552	D-glycosaminyl 3-O-sulfotransferase-3B. [Source:RefSeq;Acc:NM_018805]	gbctt04_plate16_J03	1.38	0.04309
176	ENSMUSG00000021912	polybromo 1. [Source:RefSeq;Acc:NM_025847]	gbctt04_plate10_M23	1.38	0.00302
177	ENSMUSG00000030846	Nucleolysin TIAR (TIA-1 related protein). [Source:Uniprot/SWISSPROT;Acc:P70318]	MTG_602467656	1.38	0.00339
178	ENSMUSG00000041390	kidney cell line derived transcript 1; clone 1.5. [Source:RefSeq;Acc:NM_175088]	gbctt04_plate13_F22	1.38	0.00307
179	ENSMUSG00000043298		MTG_602467115	1.38	0.01682
180	ENSMUSG00000034485	nuclear membrane binding protein NUCLING. [Source:RefSeq;Acc:NM_028283]	gbctt04_plate8_E15	1.38	0.00358
181	ENSMUSG00000020601	tribbles homolog 2. [Source:RefSeq;Acc:NM_144551]	MTG_602467572	1.37	0.00574
182	ENSMUSG00000052105		MTG_602467135	1.37	0.00708
183	ENSMUSG00000052911	Laminin beta-2 chain precursor (S-laminin) (S-LAM). [Source:Uniprot/SWISSPROT;Acc:Q61292]	MTG_602470812	1.35	0.00512
184	ENSMUSG00000054203	interferon activated gene 205; interferon-activatable protein 205-like. [Source:RefSeq;Acc:NM_172648]	MTG_602474876	1.35	0.03053
185	ENSMUSG00000022610	Mitogen-activated protein kinase 12 (EC 2.7.1.37) (Extracellular signal-regulated kinase 6) (ERK-6) (Stress-activated prot	gbctt04_plate10_M02	1.35	0.00563
186	ENSMUSG00000046916	myc target in myeloid cells 1. [Source:RefSeq;Acc:NM_026793]	gbctt04_plate3_E08	1.35	0.00639
187	ENSMUSG00000028821	GCIP-interacting protein p29; CCNDBP1 interactor. [Source:RefSeq;Acc:NM_026780]	gbctt04_plate17_H22	1.34	0.01430
188	ENSMUSG00000033960		gbctt04_plate6_H24	1.34	0.03567
189	ENSMUSG00000034265	zinc finger, DHHC domain containing 14; NEW1 domain containing protein. [Source:RefSeq;Acc:NM_146073]	MTG_602477744	1.34	0.00421
190	ENSMUSG00000027221	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1. [Source:RefSeq;Acc:NM_023850]	MTG_602471048	1.33	0.00315
191	ENSMUSG00000035441		MTG_602139038	1.32	0.00418
192	ENSMUSG00000038827		MTG_602476603	1.32	0.02878
193	ENSMUSG00000041012	Chemokine-like factor super family member 8. [Source:Uniprot/SWISSPROT;Acc:Q9CZR4]	MTG_602472541	1.32	0.00415
194	ENSMUSG00000063200	nucleolar protein 7. [Source:RefSeq;Acc:NM_023554]	MTG_602469652	1.32	0.01335
195	ENSMUSG00000060985		MTG_602471140	1.32	0.00303
196	ENSMUSG00000022836	myosin, light polypeptide kinase telokin isoform; kinase-related protein; telokin. [Source:RefSeq;Acc:NM_139300]	MTG_602472969	1.31	0.00701
197	ENSMUSG00000033060		MTG_602472430	1.31	0.00480
198	ENSMUSG00000038047		gbctt04_plate15_D02	1.31	0.00302
199	ENSMUSG00000026796	Niban-like protein. [Source:Uniprot/SWISSPROT;Acc:Q8R1F1]	MTG_602475412	1.3	0.00452
200	ENSMUSG00000029273	sulfotransferase family 1D, member 1; amine N-sulfotransferase; tyrosine-ester sulfotransferase; N-sulfotransferase. [Sou	MTG_602469455	1.3	0.00418
201	ENSMUSG00000042594	Lymphocyte specific adapter protein Lnk (Signal transduction protein Lnk) (Lymphocyte adapter protein). [Source:Uniprot	MTG_602477323	1.3	0.03786
202	ENSMUSG00000005583	myocyte enhancer factor 2C. [Source:RefSeq;Acc:NM_025282]	MTG_602310658	1.29	0.02051
203	ENSMUSG00000006445	Ephrin type-A receptor 2 precursor (EC 2.7.1.112) (Tyrosine-protein kinase receptor ECK) (Epithelial cell kinase) (MPK-5)	MTG_602473722	1.29	0.00884
204	ENSMUSG00000023827	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, delta). [Source:RefSeq;Acc:NM_c	gbctt04_plate14_L16	1.29	0.03883
205	ENSMUSG00000033565	RNA binding motif protein 9; fox-1 homolog (C. elegans); hexaribonucleotide binding protein 2; Fyn-binding molecule 2. [S	MTG_602470921	1.29	0.00951
206	ENSMUSG00000033948	Zinc finger SWIM domain containing protein 5. [Source:Uniprot/SWISSPROT;Acc:Q80TC6]	gbctt04_plate7_P03	1.29	0.00739
207	ENSMUSG00000033788		MTG_602473878	1.29	0.00612
208	ENSMUSG00000020695	mannose receptor, C type 2; novel lectin. [Source:RefSeq;Acc:NM_008626]	MTG_602477505	1.29	0.00293
209	ENSMUSG00000029218		MTG_602476156	1.28	0.00413
210	ENSMUSG00000038517	ProSAPiP2 protein. [Source:RefSeq;Acc:NM_198100]	MTG_602475587	1.28	0.00316
211	ENSMUSG00000045680	Transcription factor 21 (Podocyte-expressed 1) (Pod-1) (Epicardin) (Capsulin). [Source:Uniprot/SWISSPROT;Acc:O3543]	gbctt04_plate12_P03	1.28	0.01360
212	ENSMUSG00000064262	immune-associated nucleotide-binding protein 9. [Source:RefSeq;Acc:NM_212486]	gbctt04_plate13_H23	1.28	0.00958
213	ENSMUSG00000029887		MTG_602469530	1.28	0.01762
214	ENSMUSG00000001029	Intercellular adhesion molecule-2 precursor (ICAM-2) (CD102) (Lymphocyte function-associated AG-1 counter-receptor).	gbctt04_plate8_G19	1.28	0.03408
215	ENSMUSG00000004044	polymerase I and transcript release factor. [Source:RefSeq;Acc:NM_008986]	MTG_602469152	1.27	0.00411
216	ENSMUSG00000031886		MTG_602477770	1.27	0.00931
217	ENSMUSG00000032625		gbctt04_plate10_N20	1.27	0.00307
218	ENSMUSG00000062585	Cannabinoid receptor 2 (CB2) (CB-2). [Source:Uniprot/SWISSPROT;Acc:P47936]	MTG_602139076	1.27	0.00917
219	ENSMUSG00000029823	Putative RNA-binding protein Luc7-like 2 (CGI-74 homolog). [Source:Uniprot/SWISSPROT;Acc:Q7TNC4]	MTG_602467776	1.26	0.00619
220	ENSMUSG00000031778	Fractalkine precursor (CX3CL1) (Neurotactin) (CX3C membrane-anchored chemokine) (Small inducible cytokine D1). [So	MTG_602476781	1.26	0.00364

221	ENSMUSG00000000934	DNA topoisomerase I. [Source:Uniprot/SPTREMBL;Acc:Q8R4U6]	gbctt04_plate17_L04	1.26	0.01487
222	ENSMUSG000000050640		MTG_602474489	1.26	0.00345
223	ENSMUSG000000026672	optineurin; TFIIIA-INTP. [Source:RefSeq;Acc:NM_181848]	MTG_602475953	1.26	0.00562
224	ENSMUSG000000062078	quaking protein; lethal, Chr 17, U Wisconsin 1. [Source:RefSeq;Acc:NM_021881]	MTG_602467505	1.26	0.00342
225	ENSMUSG000000020057		MTG_602475937	1.26	0.02046
226	ENSMUSG000000020717	Platelet endothelial cell adhesion molecule precursor (PECAM-1) (CD31 antigen). [Source:Uniprot/SWISSPROT;Acc:Q08	gbctt04_plate10_B08	1.26	0.01303
227	ENSMUSG000000007872	DNA-binding protein inhibitor ID-3 (ID-like protein inhibitor HLH 462). [Source:Uniprot/SWISSPROT;Acc:P41133]	gbctt04_plate16_D23	1.25	0.00949
228	ENSMUSG000000024534	synuclein, alpha interacting protein (synphilin); synphilin-1. [Source:RefSeq;Acc:NM_026408]	MTG_602310659	1.25	0.02005
229	ENSMUSG000000026921	vascular endothelial statin isoform 1 precursor; NEU1 protein; vascular endothelial-statin. [Source:RefSeq;Acc:NM_1784	MTG_602476194	1.25	0.00380
230	ENSMUSG000000052131	Aldose reductase-related protein 1 (EC 1.1.1.21) (AR) (Aldehyde reductase) (VAS deferens androgen-dependent protein)	MTG_602471986	1.25	0.00526
231	ENSMUSG000000022122	Endothelin B receptor precursor (ET-B) (Endothelin receptor Non- selective type). [Source:Uniprot/SWISSPROT;Acc:P48	gbctt04_plate11_C08	1.24	0.03716
232	ENSMUSG000000034595		MTG_602472630	1.24	0.00307
233	ENSMUSG000000038387	Ras-related protein R-Ras (P23). [Source:Uniprot/SWISSPROT;Acc:P10833]	gbctt04_plate6_H16	1.24	0.01327
234	ENSMUSG000000054808	Alpha-actinin 4 (Non-muscle alpha-actinin 4) (F-actin cross linking protein). [Source:Uniprot/SWISSPROT;Acc:P57780]	gbctt04_plate5_P10	1.24	0.00800
235	ENSMUSG000000058056	Strain Swiss Webster/NIH actin-associated protein palladin (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q8C306]	gbctt04_plate11_D16	1.24	0.00354
236	ENSMUSG000000037962		MTG_602473124	1.24	0.00585
237	ENSMUSG000000001493	Homeobox protein MOX-1 (Mesenchyme homeobox 1). [Source:Uniprot/SWISSPROT;Acc:P32442]	MTG_602474862	1.24	0.02044
238	ENSMUSG000000002250	Peroxisome proliferator activated receptor delta (PPAR-delta) (PPAR- beta) (Nuclear hormone receptor 1) (NUC1). [Sour	MTG_602476773	1.23	0.00422
239	ENSMUSG000000030315	vestigial like 4; cDNA sequence BC048841. [Source:RefSeq;Acc:NM_177683]	gbctt04_plate13_K20	1.23	0.00477
240	ENSMUSG000000037060	protein kinase C, delta binding protein. [Source:RefSeq;Acc:NM_028444]	MTG_602470050	1.23	0.02152
241	ENSMUSG000000039646	Slit-like 2. [Source:RefSeq;Acc:NM_139307]	MTG_602468955	1.23	0.01229
242	ENSMUSG000000017692	Rhomboid-related protein 4 (EC 3.4.21.-) (Ventroid transmembrane protein). [Source:Uniprot/SWISSPROT;Acc:P58873]	MTG_602476851	1.23	0.00382
243	ENSMUSG000000002885	CD97 antigen precursor. [Source:Uniprot/SWISSPROT;Acc:Q9Z0M6]	MTG_602467822	1.23	0.00976
244	ENSMUSG000000021112	MAGUK p55 subfamily member 5 (Protein associated with Lin-7 1). [Source:Uniprot/SWISSPROT;Acc:Q9JLB2]	MTG_602468154	1.22	0.00347
245	ENSMUSG000000029838	Pleiotrophin precursor (PTN) (Heparin-binding growth-associated molecule) (HB-GAM) (Heparin-binding growth factor 8)	MTG_602467383	1.22	0.01613
246	ENSMUSG000000034659	mitsugumin 23. [Source:RefSeq;Acc:NM_134142]	gbctt04_plate8_H08	1.22	0.01353
247	ENSMUSG000000040950	macrophage galactose N-acetyl-galactosamine specific lectin 2; macrophage galactose-type C-type lectin 2. [Source:Ref	MTG_602472754	1.22	0.02631
248	ENSMUSG000000059013	SH2 domain containing 3C; novel SH2-containing protein 3; Cas/HEF1-associated signal transducer; SH2-containing Eph	MTG_602476181	1.22	0.00480
249	ENSMUSG000000040003	Atrophin-1 interacting protein 1 (Membrane associated guanylate kinase inverted-2) (MAGI-2) (Activin receptor interacti	MTG_602469458	1.22	0.00406
250	ENSMUSG000000041633	potassium channel tetramerisation domain containing 12b. [Source:RefSeq;Acc:NM_175429]	gbctt04_plate15_I06	1.22	0.00357
251	ENSMUSG000000022817	Integrin beta-5 precursor. [Source:Uniprot/SWISSPROT;Acc:O70309]	MTG_602467875	1.22	0.00574
252	ENSMUSG000000010034	SOX-13 protein. [Source:Uniprot/SWISSPROT;Acc:Q04891]	MTG_602476517	1.21	0.00421
253	ENSMUSG000000027170	dendritic cell protein GA17. [Source:RefSeq;Acc:NM_145380]	gbctt04_plate17_F23	1.21	0.00402
254	ENSMUSG000000029070	limitrin. [Source:RefSeq;Acc:NM_024263]	MTG_602472431	1.21	0.00574
255	ENSMUSG000000029638	glucocorticoid induced transcript 1; testhymn; thymocyte/spermatocyte selection 1. [Source:RefSeq;Acc:NM_133236]	MTG_602467575	1.21	0.03079
256	ENSMUSG000000042675	Yippee-like protein 3. [Source:Uniprot/SWISSPROT;Acc:P61237]	MTG_602476328	1.21	0.02145
257	ENSMUSG000000050212		gbctt04_plate8_G02	1.21	0.00609
258	ENSMUSG000000050295	Forkhead box protein C1 (Forkhead-related protein FKHL7) (Forkhead- related transcription factor 3) (FREAC-3) (Transcr	gbctt04_plate5_I03	1.21	0.01938
259	ENSMUSG000000051855	mesoderm specific transcript; EST A1256745. [Source:RefSeq;Acc:NM_008590]	gbctt04_plate8_I13	1.21	0.01934
260	ENSMUSG000000020044	Metalloproteinase inhibitor 3 precursor (TIMP-3) (Tissue inhibitor of metalloproteinases-3). [Source:Uniprot/SWISSPROT;	MTG_602138994	1.2	0.00750
261	ENSMUSG000000028917	MKIAA0842 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q80TQ5]	MTG_602138970	1.2	0.03452
262	ENSMUSG000000032698	Rhombotin-2 (Cysteine-rich protein TTG-2) (T-cell translocation protein 2) (LIM-only protein 2). [Source:Uniprot/SWISSPF	MTG_602468175	1.2	0.01037
263	ENSMUSG000000052837	Transcription factor jun-B. [Source:Uniprot/SWISSPROT;Acc:P09450]	MTG_602472486	1.2	0.00815
264	ENSMUSG000000058013	Septin 8. [Source:Uniprot/SWISSPROT;Acc:Q8CHH9]	MTG_602469106	1.2	0.00367
265	ENSMUSG000000040624	MKIAA1209 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q80TH7]	MTG_602468965	1.2	0.01290
266	ENSMUSG000000026923	Neurogenic locus notch homolog protein 1 precursor (Notch 1) (Motch A) (mT14) (p300). [Source:Uniprot/SWISSPROT;A	gbctt04_plate15_E15	1.19	0.00647
267	ENSMUSG000000030516	Tight junction protein ZO-1 (Zonula occludens 1 protein) (Tight junction protein 1). [Source:Un	MTG_602469593	1.19	0.01209
268	ENSMUSG000000033392	CLASP2. [Source:Uniprot/SPTREMBL;Acc:Q99J13]	gbctt04_plate9_H02	1.19	0.00315
269	ENSMUSG000000035199	ADP-ribosylation factor-like 6 interacting protein 5; ADP-ribosylation-like factor 6 interacting protein 5. [Source:RefSeq;Ac	gbctt04_plate6_O04	1.19	0.00315
270	ENSMUSG000000038855	Inositol 1 (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q8BKB2]	MTG_602476190	1.19	0.00822
271	ENSMUSG000000041546		gbctt04_plate4_M13	1.19	0.00807
272	ENSMUSG000000052560	Copine VIII. [Source:Uniprot/SWISSPROT;Acc:Q9DC53]	MTG_602477371	1.19	0.00366
273	ENSMUSG000000057301		MTG_602476681	1.19	0.00367
274	ENSMUSG000000000325	Armadillo repeat protein deleted in velo-cardio-facial syndrome homolog (Fragment). [Source:Uniprot/SWISSPROT;Acc:F	MTG_602296391	1.19	0.00639
275	ENSMUSG000000037369	Ubiquitously transcribed X chromosome tetratricopeptide repeat protein (Ubiquitously transcribed TPR protein on the X of	MTG_602476644	1.18	0.01547
276	ENSMUSG000000041445	elastin microfibril interfacer 3. [Source:RefSeq;Acc:NM_153127]	MTG_602469476	1.18	0.00375

277	ENSMUSG00000042379	Endothelial cell-specific molecule 1 precursor (ESM-1 secretory protein) (ESM-1). [Source:Uniprot/SWISSPROT;Acc:Q9C	gbctt04_plate16_P06	1.18	0.01536
278	ENSMUSG00000059852		gbctt04_plate6_C24	1.18	0.00497
279	ENSMUSG00000026305	leucine rich repeat (in FLII) interacting protein 1; FLAP (FLI LRR associated protein). [Source:RefSeq;Acc:NM_008515]	gbctt04_plate11_P06	1.18	0.04727
280	ENSMUSG00000018604	T-box transcription factor TBX3 (T-box protein 3) (Fragment). [Source:Uniprot/SWISSPROT;Acc:P70324]	MTG_602472627	1.18	0.00707
281	ENSMUSG00000005893	Orphan nuclear receptor TR4 (Orphan nuclear receptor TAK1). [Source:Uniprot/SWISSPROT;Acc:P49117]	MTG_602469936	1.17	0.00373
282	ENSMUSG00000027312	Attractin precursor (Mahogany protein). [Source:Uniprot/SWISSPROT;Acc:Q9WU60]	MTG_602474148	1.17	0.04513
283	ENSMUSG00000041308	Beta-2-syntrophin (59 kDa dystrophin-associated protein A1, basic component 2) (Syntrophin 3) (SNT3) (Syntrophin-like)	MTG_602475755	1.17	0.01013
284	ENSMUSG00000026536	Interferon-activatable protein 203 (Ifi-203) (Interferon-inducible protein p203). [Source:Uniprot/SWISSPROT;Acc:O35368]	MTG_602468593	1.17	0.01084
285	ENSMUSG00000008348	Ubiquitin. [Source:Uniprot/SWISSPROT;Acc:P02248]	gbctt04_plate6_P06	1.15	0.00569
286	ENSMUSG00000032548	Solute carrier organic anion transporter family member 2A1 (Solute carrier family 21 member 2) (Prostaglandin transporte	MTG_602475396	1.15	0.00796
287	ENSMUSG000000041120	Neuroblastoma suppressor of tumorigenicity 1 precursor (Zinc finger protein DAN) (N03). [Source:Uniprot/SWISSPROT;A	MTG_602473369	1.15	0.00413
288	ENSMUSG00000058815	Mesoderm development candidate 1. [Source:Uniprot/SWISSPROT;Acc:Q9ERE8]	gbctt04_plate15_J23	1.15	0.00464
289	ENSMUSG00000047766		MTG_602476953	1.15	0.01160
290	ENSMUSG00000061353	Stromal cell-derived factor 1 precursor (SDF-1) (CXCL12) (Pre-B cell growth stimulating factor) (PBSF) (12-O-tetradecan	gbctt04_plate12_L15	1.15	0.01184
291	ENSMUSG00000048316		MTG_602473021	1.14	0.00428
292	ENSMUSG00000052062	Amyotrophic lateral sclerosis 2 chromosome region candidate gene protein 19 homolog (Partitioning-defective 3-like prote	MTG_602468054	1.14	0.02280
293	ENSMUSG00000027293	EH-domain containing protein 4 (mPAST2). [Source:Uniprot/SWISSPROT;Acc:Q9EQP2]	MTG_602469752	1.14	0.03407
294	ENSMUSG00000019947	AT-rich interactive domain-containing protein 5B (ARID domain- containing protein 5B) (Mrf1-like) (Modulator recognition	gbctt04_plate17_A20	1.13	0.00514
295	ENSMUSG00000034109	golgi phosphoprotein 4. [Source:RefSeq;Acc:NM_175193]	MTG_602476779	1.13	0.00443
296	ENSMUSG00000027777	schwannomin interacting protein 1; neurofibromatosis 2 interacting protein. [Source:RefSeq;Acc:NM_013928]	MTG_602468512	1.12	0.00443
297	ENSMUSG00000032187	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4. [Source:RefSeq;Acc	MTG_602475514	1.12	0.00598
298	ENSMUSG00000032666		MTG_602474473	1.12	0.02045
299	ENSMUSG000000035176	Sphingosine 1-phosphate receptor Edg-3 (S1P receptor Edg-3) (Endothelial differentiation G-protein-coupled receptor 3)	gbctt04_plate8_O08	1.12	0.01714
300	ENSMUSG00000028978	Nitric-oxide synthase, endothelial (EC 1.14.13.39) (EC-NOS) (NOS, type III) (NOSIII) (Endothelial NOS) (eNOS) (Constitu	MTG_602475506	1.11	0.00373
301	ENSMUSG00000033855	Stonin 1 (Stoned B-like factor). [Source:Uniprot/SWISSPROT;Acc:Q8CDJ8]	gbctt04_plate7_O10	1.11	0.00937
302	ENSMUSG00000034341	WW domain binding protein 2 (WBP-2). [Source:Uniprot/SWISSPROT;Acc:P97765]	gbctt04_plate4_G16	1.11	0.00474
303	ENSMUSG00000016934	DNA topoisomerase I (EC 5.99.1.2). [Source:Uniprot/SWISSPROT;Acc:Q04750]	MTG_602471490	1.1	0.01392
304	ENSMUSG00000034422		gbctt04_plate7_N11	1.1	0.00801
305	ENSMUSG00000015452	Advanced glycosylation end product-specific receptor precursor (Receptor for advanced glycosylation end products). [Sou	MTG_602474236	1.1	0.02749
306	ENSMUSG00000001995	MKIAA1389 protein (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q80TE4]	MTG_602472331	1.09	0.00512
307	ENSMUSG00000018899	Interferon regulatory factor 1 (IRF-1). [Source:Uniprot/SWISSPROT;Acc:P15314]	MTG_602471913	1.09	0.00628
308	ENSMUSG00000025981		MTG_602467066	1.09	0.02586
309	ENSMUSG00000026538	Interferon-activatable protein 204 (Ifi-204) (Interferon-inducible protein p204). [Source:Uniprot/SWISSPROT;Acc:P15092]	gbctt04_plate11_H13	1.09	0.04098
310	ENSMUSG00000034205	Lysyl oxidase homolog 2 (EC 1.4.3.-) (Lysyl oxidase-like protein 2) (Fragment). [Source:Uniprot/SWISSPROT;Acc:P5802	gbctt04_plate14_E12	1.09	0.00750
311	ENSMUSG00000036501		MTG_602471094	1.09	0.01356
312	ENSMUSG00000053265		MTG_602470574	1.09	0.03151
313	ENSMUSG00000015568	Lipoprotein lipase precursor (EC 3.1.1.34) (LPL). [Source:Uniprot/SWISSPROT;Acc:P11152]	MTG_602475573	1.09	0.01788
314	ENSMUSG00000038259	Growth/differentiation factor 5 precursor (GDF-5). [Source:Uniprot/SWISSPROT;Acc:P43027]	MTG_602474642	1.09	0.00574
315	ENSMUSG00000057788		gbctt04_plate8_I08	1.08	0.00457
316	ENSMUSG00000012017	Scavenger receptor class F member 2 precursor (Scavenger receptor expressed by endothelial cells 2 protein) (SREC-II)	gbctt04_plate4_N21	1.08	0.03520
317	ENSMUSG00000014778	formin homology 2 domain containing 1. [Source:RefSeq;Acc:NM_177699]	MTG_602472446	1.08	0.01491
318	ENSMUSG00000026814	Endoglin precursor (Cell surface MJ7/18 antigen). [Source:Uniprot/SWISSPROT;Acc:Q63961]	MTG_602472662	1.08	0.01235
319	ENSMUSG000000031805	Janus kinase 3. [Source:RefSeq;Acc:NM_010589]	MTG_602471519	1.08	0.00812
320	ENSMUSG00000032288	RIKEN cDNA 1190002L16; U3 snoRNP protein 3 homolog (yeast). [Source:RefSeq;Acc:NM_133976]	gbctt04_plate15_H09	1.07	0.03237
321	ENSMUSG000000041189	Acetylcholine receptor protein, beta chain precursor. [Source:Uniprot/SWISSPROT;Acc:P09690]	gbctt04_plate10_G17	1.07	0.01615
322	ENSMUSG00000044345	MARVEL (membrane-associating) domain containing 1. [Source:RefSeq;Acc:NM_183195]	MTG_602474161	1.07	0.00825
323	ENSMUSG00000058070		MTG_602476271	1.07	0.03529
324	ENSMUSG00000045092	Sphingosine 1-phosphate receptor Edg-1 (Lysophospholipid receptor B1). [Source:Uniprot/SWISSPROT;Acc:O08530]	MTG_602467520	1.07	0.00772
325	ENSMUSG00000025402	NGFI-A binding protein 2 (EGR-1 binding protein 2). [Source:Uniprot/SWISSPROT;Acc:Q61127]	MTG_602477020	1.06	0.00678
326	ENSMUSG00000058799	Nucleosome assembly protein 1-like 1 (NAP-1 related protein) (Brain protein DN38). [Source:Uniprot/SWISSPROT;Acc:P	gbctt04_plate11_G04	1.06	0.01856
327	ENSMUSG00000039628		MTG_602467022	1.06	0.01288
328	ENSMUSG00000006362	core-binding factor, runt domain, alpha subunit 2; translocated to, 3 homolog; CBF2T3 identified gene homolog (human)	gbctt04_plate3_E12	1.05	0.00419
329	ENSMUSG00000020121	SLIT-ROBO Rho GTPase activating protein 1 (srGAP1) (Rho-GTPase- activating protein 13) (Fragment). [Source:Uniprot	gbctt04_plate12_O13	1.05	0.00772
330	ENSMUSG00000022231	Semaphorin 5A precursor (Semaphorin F) (Sema F). [Source:Uniprot/SWISSPROT;Acc:Q62217]	gbctt04_plate17_H13	1.05	0.00574
331	ENSMUSG000000029163	EMILIN 1 precursor (Elastin microfibril interface-located protein 1) (Elastin microfibril interfacer 1). [Source:Uniprot/SWIS	MTG_602471761	1.05	0.00756
332	ENSMUSG00000040407	A kinase (PRKA) anchor protein (yotiao) 9. [Source:RefSeq;Acc:NM_194462]	gbctt04_plate13_E06	1.05	0.01235

333	ENSMUSG00000041921	methionine aminopeptidase-like 1. [Source:RefSeq;Acc:NM_025633]	MTG_602467457	1.05	0.01358
334	ENSMUSG00000056748		gbctl04_plate12_K16	1.05	0.02941
335	ENSMUSG00000058865		gbctl04_plate11_E06	1.05	0.02189
336	ENSMUSG00000022505	Epithelial membrane protein-2 (EMP-2) (XMP protein). [Source:Uniprot/SWISSPROT;Acc:O88662]	MTG_602475342	1.05	0.00556
337	ENSMUSG00000008136	Skeletal muscle LIM-protein 3 (SLIM 3) (LIM-domain protein DRAL) (Four and a half LIM domains protein 2) (FHL-2). [Source:Uniprot/SWISSPROT;Acc:Q55010]	MTG_602469765	1.04	0.02239
338	ENSMUSG00000020272	Serine/threonine-protein kinase 10 (EC 2.7.1.37) (Lymphocyte-oriented kinase). [Source:Uniprot/SWISSPROT;Acc:O55010]	MTG_602477555	1.04	0.00563
339	ENSMUSG00000026712	mannose receptor, C type 1. [Source:RefSeq;Acc:NM_008625]	MTG_602467778	1.04	0.00551
340	ENSMUSG00000030096	Sodium- and chloride-dependent taurine and beta-alanine transporter. [Source:Uniprot/SWISSPROT;Acc:O35316]	gbctl04_plate12_H14	1.04	0.01036
341	ENSMUSG00000032771	Casein kinase II, alpha chain (CK II) (EC 2.7.1.37). [Source:Uniprot/SWISSPROT;Acc:Q60737]	gbctl04_plate10_N08	1.04	0.00433
342	ENSMUSG00000037933	Cytoskeleton-like bicaudal D protein homolog 2. [Source:Uniprot/SWISSPROT;Acc:Q921C5]	MTG_602471366	1.04	0.00688
343	ENSMUSG00000031921	Telomeric repeat binding factor 2 (TTAGGG repeat binding factor 2) (Telomeric DNA binding protein). [Source:Uniprot/SWISSPROT;Acc:Q921C5]	MTG_602473337	1.03	0.00580
344	ENSMUSG00000047710		gbctl04_plate12_P02	1.03	0.00594
345	ENSMUSG00000062606		MTG_602476016	1.03	0.01599
346	ENSMUSG00000034842	Ecto-ADP-ribosyltransferase 3 precursor (EC 2.4.2.31) (NAD(P)(+)-arginine ADP-ribosyltransferase 3) (Mono(ADP-ribosyltransferase 3)). [Source:Uniprot/SWISSPROT;Acc:Q921C5]	MTG_602468540	1.03	0.01582
347	ENSMUSG00000064174		MTG_602468773	1.03	0.00810
348	ENSMUSG00000022220	Adenylate cyclase, type IV (EC 4.6.1.1) (ATP pyrophosphate-lyase) (Adenylyl cyclase). [Source:Uniprot/SWISSPROT;Acc:Q921C5]	MTG_602470186	1.03	0.00436
349	ENSMUSG00000005397	Nidogen precursor (Entactin). [Source:Uniprot/SWISSPROT;Acc:P10493]	gbctl04_plate13_A07	1.02	0.00884
350	ENSMUSG00000006304	Adult male stomach cDNA, RIKEN full-length enriched library, clone:2210023N03 product:actin related protein 2/3 complex	MTG_602470332	1.02	0.02388
351	ENSMUSG00000022198	Polyadenylate-binding protein 2 (Poly(A)-binding protein 2) (PolyA binding protein II) (PABII) (Polyadenylate-binding nucleoprotein 2). [Source:Uniprot/SWISSPROT;Acc:Q921C5]	MTG_602467596	1.02	0.00638
352	ENSMUSG00000032562	Guanine nucleotide-binding protein G(i), alpha-2 subunit (Adenylate cyclase-inhibiting G alpha protein). [Source:Uniprot/SWISSPROT;Acc:Q921C5]	gbctl04_plate3_H08	1.02	0.02499
353	ENSMUSG00000032724		MTG_602474313	1.02	0.01811
354	ENSMUSG00000000530	Serine/threonine-protein kinase receptor R3 precursor (EC 2.7.1.37) (SKR3) (Activin receptor-like kinase 1) (ALK-1) (TGF-beta type I receptor kinase-1). [Source:Uniprot/SWISSPROT;Acc:Q921C5]	MTG_602471210	1.02	0.00768
355	ENSMUSG00000002732	FK506-binding protein 7 precursor (EC 5.2.1.8) (Peptidyl-prolyl cis- trans isomerase) (PPIase) (Rotamase) (FKBP-23). [Source:Uniprot/SWISSPROT;Acc:Q921C5]	gbctl04_plate4_J09	1.01	0.02165
356	ENSMUSG00000024975	programmed cell death 4. [Source:RefSeq;Acc:NM_011050]	MTG_602469293	1.01	0.01209
357	ENSMUSG00000057604	LIM and cysteine-rich domains protein 1. [Source:Uniprot/SWISSPROT;Acc:Q8VEE1]	gbctl04_plate4_H19	1.01	0.01103
1	EST		gbctl04_plate15_K17	2.7	0.00239
2	EST		gbctl04_plate7_K14	2.49	0.00630
3	EST		gbctl04_plate5_M19	2.49	0.00239
4	EST		MTG_602470946	2.45	0.00265
5	EST		gbctl04_plate5_I23	2.45	0.01327
6	EST		MTG_602467023	2.28	0.00272
7	EST		MTG_602469520	2.27	0.00239
8	EST		gbctl04_plate4_O08	2.24	0.00902
9	EST		MTG_602474109	2.2	0.00258
10	EST		gbctl04_plate8_M14	2.19	0.00264
11	EST		gbctl04_plate17_M02	2.16	0.00264
12	EST		gbctl04_plate6_O05	2.15	0.00239
13	EST		gbctl04_plate12_L06	2.12	0.00356
14	EST		gbctl04_plate10_D02	2.09	0.00303
15	EST		MTG_602473406	2.06	0.00239
16	EST		gbctl04_plate3_I22	1.99	0.01192
17	EST		MTG_602470178	1.93	0.02068
18	EST		gbctl04_plate3_I13	1.82	0.02771
19	EST		MTG_602474350	1.73	0.00403
20	EST		gbctl04_plate13_C03	1.71	0.00975
21	EST		MTG_602469828	1.69	0.00352
22	EST		MTG_602472183	1.67	0.00239
23	EST		gbctl04_plate17_C23	1.66	0.00302
24	EST		gbctl04_plate14_K23	1.6	0.00699
25	EST		MTG_602471158	1.56	0.00466
26	EST		MTG_602471282	1.56	0.00272
27	EST		MTG_602473630	1.55	0.03063
28	EST		MTG_602475451	1.54	0.00255
29	EST		MTG_602467858	1.53	0.00305
30	EST		MTG_602473845	1.53	0.00272
31	EST		MTG_602467608	1.51	0.00297

32	EST	MTG_602471429	1.5	0.00302
33	EST	MTG_602467143	1.44	0.01876
34	EST	MTG_602467148	1.43	0.00303
35	EST	MTG_602476601	1.41	0.02524
36	EST	gbctl04_plate14_F05	1.34	0.01129
37	EST	MTG_602474159	1.31	0.01290
38	EST	MTG_602470220	1.28	0.00934
39	EST	gbctl04_plate13_H24	1.27	0.00474
40	EST	MTG_602470345	1.26	0.00367
41	EST	gbctl04_plate16_O03	1.21	0.02310
42	EST	MTG_602471153	1.21	0.00489
43	EST	MTG_602468449	1.19	0.00902
44	EST	MTG_602475577	1.19	0.00627
45	EST	MTG_602468043	1.17	0.00917
46	EST	gbctl04_plate3_I10	1.17	0.01023
47	EST	MTG_602477647	1.16	0.04949
48	EST	MTG_602296454	1.15	0.03824
49	EST	MTG_602138935	1.14	0.03185
50	EST	MTG_602473648	1.13	0.01130
51	EST	MTG_602467551	1.13	0.00406
52	EST	MTG_602471148	1.11	0.02053
53	EST	MTG_602467367	1.11	0.00495
54	EST	MTG_602469635	1.11	0.01734
55	EST	MTG_602473237	1.09	0.00807
56	EST	MTG_602475978	1.08	0.00781
57	EST	gbctl04_plate5_G03	1.06	0.01132
58	EST	MTG_602476817	1.04	0.00902
59	EST	MTG_602467001	1.04	0.04592
60	EST	MTG_602472533	1.03	0.00748
61	EST	MTG_602310626	1.02	0.04533
62	EST	MTG_602475963	1.01	0.00438
63	EST	MTG_602467781	1.01	0.01448

Table S3  
*List of category 1 genes in Fig. 1C.*