

Table S7

Gene category 5	Glomerulus cDNA clones						
ENSEMBL_gene_id	ENSEMBL_gene_name	Clone_id	log2(glo/rest_kidney)	Pvalue1	log2(glo/brain_capillary)	Pvalue2	
1	ENSMUSG00000040856	Delta-like protein precursor (DLK) (Preadipocyte factor 1) (Prel	MTG_602467820	3.84	0.00239	0.15	0.82300
2	ENSMUSG00000029761	caldesmon 1; EST AI195384. [Source:RefSeq;Acc:NM_145571	gbctl04_plate8_A07	2.65	0.00239	0.25	0.71100
3	ENSMUSG00000004891	nestin; intermediate filament protein. [Source:RefSeq;Acc:NM_	gbctl04_plate16_P09	2.6	0.00264	-0.17	0.80000
4	ENSMUSG00000031461	myomesin 2; skeletal muscle 165kD protein; skeletal muscle 1	MTG_602470266	2.43	0.00295	1.45	0.05750
5	ENSMUSG00000053198	Periaxin. [Source:Uniprot/SWISSPROT;Acc:O55103]	gbctl04_plate16_N24	2.2	0.00436	1.32	0.06030
6	ENSMUSG00000054560	H-2 class I histocompatibility antigen, Q9 alpha chain precursor	MTG_602468080	2.01	0.00305	1.64	0.07840
7	ENSMUSG00000020218	Wnt inhibitory factor 1 precursor (WIF-1). [Source:Uniprot/SWI	MTG_602139073	2	0.00246	1.2	0.09820
8	ENSMUSG00000034738	nitric oxide synthase trafficker; nostrin; Dab2-interacting protei	gbctl04_plate13_G08	1.98	0.01071	-0.06	0.94500
9	ENSMUSG00000056708	immediate early response 5. [Source:RefSeq;Acc:NM_010500	MTG_602468272	1.91	0.01132	-0.82	0.07960
10	ENSMUSG00000044258	CTLA-2-beta protein precursor (Fragment). [Source:Uniprot/SV	gbctl04_plate4_B23	1.85	0.01241	-0.86	0.39500
11	ENSMUSG00000026728	Vimentin. [Source:Uniprot/SWISSPROT;Acc:P20152]	MTG_602469128	1.81	0.00272	0.44	0.32400
12	ENSMUSG00000024451	ARF-GAP, RHO-GAP, ankyrin repeat and pleckstrin homology	gbctl04_plate3_D05	1.79	0.00476	-0.96	0.05900
13	ENSMUSG00000035954	Dedicator of cytokinesis protein 4. [Source:Uniprot/SWISSPRC	gbctl04_plate8_L22	1.79	0.00315	0.97	0.21700
14	ENSMUSG00000037679		MTG_602471444	1.77	0.00307	-0.34	0.43700
15	ENSMUSG00000060570		gbctl04_plate6_E10	1.73	0.00434	1.1	0.20100
16	ENSMUSG00000022454	Protein kinase C-binding protein NELL2 precursor (NEL-like pr	gbctl04_plate15_F21	1.72	0.00421	0.75	0.19200
17	ENSMUSG00000038175	myosin regulatory light chain interacting protein. [Source:RefSeq	gbctl04_plate10_K20	1.72	0.00516	0.78	0.07430
18	ENSMUSG00000039377	Homeobox protein HLX1. [Source:Uniprot/SWISSPROT;Acc:G	MTG_602474015	1.72	0.00272	-0.08	0.87900
19	ENSMUSG00000049775		gbctl04_plate4_H16	1.71	0.00516	-0.18	0.84100
20	ENSMUSG00000058826		MTG_602475118	1.71	0.00525	0.26	0.58700
21	ENSMUSG00000030605	Lactadherin precursor (Milk fat globule-EGF factor 8) (MFG-E8	MTG_602467177	1.69	0.02871	-0.8	0.11100
22	ENSMUSG00000063968	H-2 class I histocompatibility antigen, Q8 alpha chain precursor	MTG_602467004	1.69	0.00595	1.34	0.05070
23	ENSMUSG00000002504	Na(+)/H(+) exchange regulatory cofactor NHE-RF2 (NHERF-2	gbctl04_plate14_G16	1.68	0.00336	-0.3	0.55700
24	ENSMUSG00000025902	Transcription factor SOX-17. [Source:Uniprot/SWISSPROT;Ac	MTG_602468677	1.67	0.00993	-0.96	0.31300
25	ENSMUSG00000022090	PDZ and LIM domain 2; hypothetical protein MGC37634. [Sou	MTG_602477137	1.66	0.01022	0.72	0.15800
26	ENSMUSG00000024998	phospholipase C, epsilon. [Source:RefSeq;Acc:NM_019588]	MTG_602471769	1.66	0.01307	0.98	0.03160
27	ENSMUSG00000004951	Heat-shock protein beta-1 (HspB1) (Heat shock 27 kDa protei	MTG_602474453	1.64	0.01087	0.22	0.76800
28	ENSMUSG00000027858	Tetraspanin 2 (Tspan-2). [Source:Uniprot/SWISSPROT;Acc:Q	MTG_602472661	1.6	0.00495	0.91	0.04410
29	ENSMUSG00000018381	ABI gene family, member 3. [Source:RefSeq;Acc:NM_025659]	MTG_602473624	1.59	0.00272	0.02	0.97400
30	ENSMUSG00000021806	Nidogen-2 precursor (NID-2) (Entactin-2). [Source:Uniprot/SW	gbctl04_plate7_F17	1.58	0.00346	-0.08	0.92500
31	ENSMUSG00000032231	Annexin A2 (Annexin II) (Lipocortin II) (Calpactin I heavy chain	gbctl04_plate16_I05	1.58	0.01400	-0.32	0.54100
32	ENSMUSG00000022661	OX-2 membrane glycoprotein precursor (MRC OX-2 antigen). [MTG_602469306	1.57	0.00517	-1.03	0.23400
33	ENSMUSG00000026360	Regulator of G-protein signaling 2 (RGS2). [Source:Uniprot/SV	gbctl04_plate6_G14	1.57	0.00272	-0.79	0.04660
34	ENSMUSG00000027684	Ecotropic virus integration 1 site protein. [Source:Uniprot/SWIS	MTG_602469307	1.56	0.00542	-0.58	0.28100
35	ENSMUSG00000033170	Caspase recruitment domain protein 10 (Bcl10-interacting MA	MTG_602471055	1.56	0.00649	-0.15	0.82300
36	ENSMUSG00000043984		gbctl04_plate15_G20	1.55	0.01929	0.26	0.81700
37	ENSMUSG00000032125	Roundabout homolog 4 precursor. [Source:Uniprot/SWISSPRC	MTG_602470736	1.54	0.01524	-1.07	0.13500
38	ENSMUSG00000032220	Myosin Ii. [Source:Uniprot/SWISSPROT;Acc:P70248]	MTG_602477359	1.52	0.00342	0.58	0.37200
39	ENSMUSG00000033355	28 kDa interferon responsive protein. [Source:Uniprot/SWISSF	MTG_602472011	1.52	0.00944	0.82	0.10200
40	ENSMUSG00000053344		MTG_602474446	1.52	0.00272	0.43	0.49900
41	ENSMUSG00000059588	Calcitonin gene-related peptide type 1 receptor precursor (CGI	MTG_602467069	1.52	0.00272	0.93	0.08850
42	ENSMUSG00000026480	neutrophil cytosolic factor 2; NADPH oxidase subunit (67 kD);	MTG_602467813	1.51	0.00976	0.1	0.89300
43	ENSMUSG00000029484	Annexin A3 (Annexin III) (Lipocortin III) (Placental anticoagular	MTG_602467721	1.51	0.00272	0.21	0.83800
44	ENSMUSG00000035227	Microsomal signal peptidase 25 kDa subunit (EC 3.4.-.-) (SPa	MTG_602467122	1.51	0.03673	-0.03	0.96500
45	ENSMUSG00000054364	Transforming protein RhoB (H6). [Source:Uniprot/SWISSPRO	MTG_602475026	1.51	0.01248	0.32	0.56900
46	ENSMUSG00000024074	Cysteine-rich repeat-containing protein CRIM1 precursor (Frag	MTG_602474546	1.49	0.00312	0.4	0.55400
47	ENSMUSG00000052713	zinc finger protein 608. [Source:RefSeq;Acc:NM_175751]	MTG_602471485	1.49	0.01357	0.78	0.38200
48	ENSMUSG00000037003	C1 domain-containing phosphatase and tensin-like protein; ter	MTG_602467043	1.48	0.01566	0.08	0.91200
49	ENSMUSG00000043505	Immunity-associated nucleotide 4-like 1 protein (Immunity-ass	MTG_602476926	1.48	0.00728	-0.22	0.69600
50	ENSMUSG00000035353	RAS guanyl releasing protein 3. [Source:RefSeq;Acc:NM_207;	gbctl04_plate11_F24	1.47	0.00421	-0.32	0.68900
51	ENSMUSG00000040212	Epithelial membrane protein-3 (EMP-3) (YMP protein) (Hemat	MTG_602470466	1.47	0.01045	-0.8	0.14100
52	ENSMUSG00000046546		MTG_602471228	1.47	0.01132	-0.95	0.23600
53	ENSMUSG00000026813	sialyltransferase 7 ((alpha-N-acetylneuraminy) 2,3-betagalactos	gbctl04_plate16_I24	1.46	0.00442	1.16	0.08270
54	ENSMUSG00000028517	Lipid phosphate phosphohydrolase 3 (EC 3.1.3.4) (Phosphatid	MTG_602467668	1.46	0.00307	0.85	0.13000
55	ENSMUSG00000038604	MKIAA1930 protein (Fragment). [Source:Uniprot/SPTREMBL;]	MTG_602474744	1.44	0.00269	0.06	0.90100
56	ENSMUSG00000025492	interferon induced transmembrane protein 3; fragilis. [Source:F	MTG_602476412	1.43	0.03754	0.92	0.19900
57	ENSMUSG00000053468	Early B-cell factor. [Source:Uniprot/SPTREMBL;Acc:Q8C955]	MTG_602467757	1.43	0.03407	1	0.15100
58	ENSMUSG00000046186	CD109 antigen; GPI-anchored alpha 2 macroglobulin-related f	gbctl04_plate11_O11	1.42	0.00265	0.37	0.34800
59	ENSMUSG00000019843	Proto-oncogene tyrosine-protein kinase FYN (EC 2.7.1.112) (F	MTG_602469292	1.41	0.00272	0.28	0.49100
60	ENSMUSG00000042745	DNA-binding protein inhibitor ID-1 (ID). [Source:Uniprot/SWISS	MTG_602474003	1.41	0.02691	0.09	0.93600

61	ENSMUSG0000001240	Receptor activity-modifying protein 2 precursor. [Source:Uniprot	MTG_602470934	1.4	0.01700	-0.77	0.44800
62	ENSMUSG00000019970	Serine/threonine-protein kinase Sgk1 (EC 2.7.1.37) (Serum/glu	MTG_602468044	1.4	0.00367	0.1	0.83800
63	ENSMUSG00000024190	Dual specificity protein phosphatase 1 (EC 3.1.3.48) (EC 3.1.3	MTG_602474213	1.4	0.01290	-0.47	0.29600
64	ENSMUSG00000043421		MTG_602472721	1.4	0.01658	0.02	0.97700
65	ENSMUSG00000013611		gbctl04_plate6_E16	1.39	0.00963	0.47	0.48900
66	ENSMUSG00000029436	Matrix metalloproteinase-17 precursor (EC 3.4.24.-) (MMP-17)	MTG_602471826	1.39	0.00272	-0.81	0.10700
67	ENSMUSG00000031393	Methyl-CpG-binding protein 2 (MeCP-2 protein) (MeCP2). [So	gbctl04_plate8_H02	1.39	0.00272	0.35	0.31500
68	ENSMUSG00000032035	C-ets-1 protein (p54). [Source:Uniprot/SWISSPROT;Acc:P275	MTG_602475030	1.39	0.01359	-0.21	0.75500
69	ENSMUSG00000020077	Secretory granule proteoglycan core protein precursor (Mastoc	gbctl04_plate6_N15	1.38	0.00436	-0.62	0.10400
70	ENSMUSG00000021912	polybromo 1. [Source:RefSeq;Acc:NM_025847]	gbctl04_plate10_M23	1.38	0.00302	-0.48	0.28200
71	ENSMUSG00000030846	Nucleolysin TIAR (TIA-1 related protein). [Source:Uniprot/SWI	MTG_602467656	1.38	0.00339	0.31	0.48100
72	ENSMUSG00000034485	nuclear membrane binding protein NUCLING. [Source:RefSeq	gbctl04_plate8_E15	1.38	0.00358	-0.47	0.28400
73	ENSMUSG00000041390	kidney cell line derived transcript 1; clone 1.5. [Source:RefSeq	gbctl04_plate13_F22	1.38	0.00307	1.17	0.16900
74	ENSMUSG00000022610	Mitogen-activated protein kinase 12 (EC 2.7.1.37) (Extracellul	gbctl04_plate10_M02	1.35	0.00563	-0.53	0.18000
75	ENSMUSG00000046916	myc target in myeloid cells 1. [Source:RefSeq;Acc:NM_02679	gbctl04_plate3_E08	1.35	0.00639	0.78	0.06480
76	ENSMUSG00000052911	Laminin beta-2 chain precursor (S-laminin) (S-LAM). [Source:L	MTG_602470812	1.35	0.00512	-0.34	0.41100
77	ENSMUSG00000028821	GCIP-interacting protein p29; CCNDBP1 interactor. [Source:R	gbctl04_plate17_H22	1.34	0.01430	-0.27	0.62800
78	ENSMUSG00000034265	zinc finger, DHHC domain containing 14; NEW1 domain conta	MTG_602477744	1.34	0.00421	-0.07	0.90600
79	ENSMUSG00000027221	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1. [Sourc	MTG_602471048	1.33	0.00315	-0.59	0.08360
80	ENSMUSG00000038827		MTG_602476603	1.32	0.02878	0.47	0.75900
81	ENSMUSG00000041012	Chemokine-like factor super family member 8. [Source:Uniprot	MTG_602472541	1.32	0.00415	0.62	0.19800
82	ENSMUSG00000063200	nucleolar protein 7. [Source:RefSeq;Acc:NM_023554]	MTG_602469652	1.32	0.01335	-0.45	0.47200
83	ENSMUSG00000022836	myosin, light polypeptide kinase telokin isoform; kinase-related	MTG_602472969	1.31	0.00701	-0.17	0.76100
84	ENSMUSG00000038047		gbctl04_plate15_D02	1.31	0.00302	0.05	0.93800
85	ENSMUSG00000042594	Lymphocyte specific adapter protein Lnk (Signal transduction f	MTG_602477323	1.3	0.03786	0.06	0.92900
86	ENSMUSG00000020695	mannose receptor, C type 2; novel lectin. [Source:RefSeq;Acc:	MTG_602477505	1.29	0.00293	0.04	0.94800
87	ENSMUSG00000023827	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphat	gbctl04_plate14_L16	1.29	0.03883	-0.23	0.70400
88	ENSMUSG00000033565	RNA binding motif protein 9; fox-1 homolog (C. elegans); hexa	MTG_602470921	1.29	0.00951	0.32	0.55000
89	ENSMUSG00000033788		MTG_602473878	1.29	0.00612	-0.62	0.11300
90	ENSMUSG00000033948	Zinc finger SWIM domain containing protein 5. [Source:Uniprot	gbctl04_plate7_P03	1.29	0.00739	-0.06	0.93500
91	ENSMUSG00000029218		MTG_602476156	1.28	0.00413	0.52	0.25900
92	ENSMUSG00000038517	ProSAPIp2 protein. [Source:RefSeq;Acc:NM_198100]	MTG_602475587	1.28	0.00316	-0.24	0.65600
93	ENSMUSG00000045680	Transcription factor 21 (Podocyte-expressed 1) (Pod-1) (Epica	gbctl04_plate12_P03	1.28	0.01360	-0.03	0.96000
94	ENSMUSG00000064262	immune-associated nucleotide-binding protein 9. [Source:RefS	gbctl04_plate13_H23	1.28	0.00958	0.75	0.07120
95	ENSMUSG00000040444	polymerase I and transcript release factor. [Source:RefSeq;Ac	MTG_602469152	1.27	0.00411	-0.3	0.65700
96	ENSMUSG00000031886		MTG_602477770	1.27	0.00931	-0.13	0.93800
97	ENSMUSG000000062585	Cannabinoid receptor 2 (CB2) (CB-2). [Source:Uniprot/SWISS	MTG_602139076	1.27	0.00917	0.67	0.12700
98	ENSMUSG00000020057		MTG_602475937	1.26	0.02046	0.67	0.23100
99	ENSMUSG00000029823	Putative RNA-binding protein Luc7-like 2 (CGI-74 homolog). [S	MTG_602467776	1.26	0.00619	0.73	0.39600
100	ENSMUSG00000062078	quaking protein; lethal, Chr 17, U Wisconsin 1. [Source:RefSec	MTG_602467505	1.26	0.00342	0.42	0.18800
101	ENSMUSG00000007872	DNA-binding protein inhibitor ID-3 (ID-like protein inhibitor HLF	gbctl04_plate16_D23	1.25	0.00949	-0.34	0.48100
102	ENSMUSG00000034595		MTG_602472630	1.24	0.00307	-0.77	0.04270
103	ENSMUSG00000037962		MTG_602473124	1.24	0.00585	-0.22	0.65200
104	ENSMUSG00000054808	Alpha-actinin 4 (Non-muscle alpha-actinin 4) (F-actin cross link	gbctl04_plate5_P10	1.24	0.00800	-0.03	0.95900
105	ENSMUSG00000017692	Rhomboid-related protein 4 (EC 3.4.21.-) (Ventrhoid transmem	MTG_602476851	1.23	0.00382	0.27	0.81600
106	ENSMUSG00000030315	vestigial like 4; cDNA sequence BC048841. [Source:RefSeq;A	gbctl04_plate13_K20	1.23	0.00477	-0.52	0.30700
107	ENSMUSG000000037060	protein kinase C, delta binding protein. [Source:RefSeq;Acc:NI	MTG_602470050	1.23	0.02152	0.19	0.70300
108	ENSMUSG00000039646	Slit-like 2. [Source:RefSeq;Acc:NM_139307]	MTG_602468955	1.23	0.01229	0.86	0.03420
109	ENSMUSG00000029838	Pleiotrophin precursor (PTN) (Heparin-binding growth-associat	MTG_602467383	1.22	0.01613	0.4	0.39700
110	ENSMUSG00000034659	mitsugumin 23. [Source:RefSeq;Acc:NM_134142]	gbctl04_plate8_H08	1.22	0.01353	0.05	0.93600
111	ENSMUSG00000040950	macrophage galactose N-acetyl-galactosamine specific lectin ;	MTG_602472754	1.22	0.02631	0.72	0.38000
112	ENSMUSG00000041633	potassium channel tetramerisation domain containing 12b. [So	gbctl04_plate15_I06	1.22	0.00357	0.16	0.71600
113	ENSMUSG00000059013	SH2 domain containing 3C; novel SH2-containing protein 3; C;	MTG_602476181	1.22	0.00480	-0.9	0.22000
114	ENSMUSG00000050295	Forkhead box protein C1 (Forkhead-related protein FKHL7) (F	gbctl04_plate5_I03	1.21	0.01938	0.42	0.64100
115	ENSMUSG00000028917	MKIAA0842 protein (Fragment). [Source:Uniprot/SPTREMBL;#	MTG_602138970	1.2	0.03452	0.89	0.06460
116	ENSMUSG00000032698	Rhombotin-2 (Cysteine-rich protein TTG-2) (T-cell translocatio	MTG_602468175	1.2	0.01037	-0.51	0.55400
117	ENSMUSG00000040624	MKIAA1209 protein (Fragment). [Source:Uniprot/SPTREMBL;#	MTG_602468965	1.2	0.01290	0.28	0.56100
118	ENSMUSG00000058013	Septin 8. [Source:Uniprot/SWISSPROT;Acc:Q8CHH9]	MTG_602469106	1.2	0.00367	0.77	0.04910
119	ENSMUSG00000026923	Neurogenic locus notch homolog protein 1 precursor (Notch 1)	gbctl04_plate15_E15	1.19	0.00647	-0.52	0.40500
120	ENSMUSG00000030516	Tight junction protein ZO-1 (Zonula occludens 1 protein) (Zona	MTG_602469593	1.19	0.01209	-0.14	0.81100
121	ENSMUSG000000033392	CLASP2. [Source:Uniprot/SPTREMBL;Acc:Q99J13]	gbctl04_plate9_H02	1.19	0.00315	-0.05	0.96300
122	ENSMUSG00000035199	ADP-ribosylation factor-like 6 interacting protein 5; ADP-ribosy	gbctl04_plate6_O04	1.19	0.00315	0.65	0.44400
123	ENSMUSG00000038855	Inositol 1 (Fragment). [Source:Uniprot/SPTREMBL;Acc:Q8BKE	MTG_602476190	1.19	0.00822	-0.6	0.15300
124	ENSMUSG00000041546		gbctl04_plate4_M13	1.19	0.00807	-0.06	0.91300

125	ENSMUSG000000052660	Copine VIII. [Source:Uniprot/SWISSPROT;Acc:Q9DC53]	MTG_602477371	1.19	0.00366	-0.16	0.73700
126	ENSMUSG00000018604	T-box transcription factor TBX3 (T-box protein 3) (Fragment). [MTG_602472627	1.18	0.00707	-0.1	0.86700
127	ENSMUSG000000037369	Ubiquitously transcribed X chromosome tetratricopeptide repe	MTG_602476644	1.18	0.01547	0.56	0.39300
128	ENSMUSG000000042379	Endothelial cell-specific molecule 1 precursor (ESM-1 secretor	gbctl04_plate16_P06	1.18	0.01536	0.77	0.15800
129	ENSMUSG000000059852		gbctl04_plate6_C24	1.18	0.00497	0.87	0.08520
130	ENSMUSG000000005893	Orphan nuclear receptor TR4 (Orphan nuclear receptor TAK1)	MTG_602469936	1.17	0.00373	-0.39	0.33000
131	ENSMUSG00000026536	Interferon-activatable protein 203 (Ifi-203) (Interferon-inducible	MTG_602468593	1.17	0.01084	0.57	0.16600
132	ENSMUSG000000027312	Attractin precursor (Mahogany protein). [Source:Uniprot/SWIS	MTG_602474148	1.17	0.04513	2.18	0.07750
133	ENSMUSG000000032548	Solute carrier organic anion transporter family member 2A1 (S	MTG_602475396	1.15	0.00796	-0.85	0.05160
134	ENSMUSG000000041120	Neuroblastoma suppressor of tumorigenicity 1 precursor (Zinc	MTG_602473369	1.15	0.00413	0.07	0.92700
135	ENSMUSG000000047766		MTG_602476953	1.15	0.01160	0.79	0.10900
136	ENSMUSG000000058815	Mesoderm development candidate 1. [Source:Uniprot/SWISSF	gbctl04_plate15_J23	1.15	0.00464	-0.04	0.95200
137	ENSMUSG000000061353	Stromal cell-derived factor 1 precursor (SDF-1) (CXCL12) (Pre	gbctl04_plate12_L15	1.15	0.01184	0.46	0.70000
138	ENSMUSG000000027293	EH-domain containing protein 4 (mPAST2). [Source:Uniprot/S	MTG_602469752	1.14	0.03407	-0.1	0.91700
139	ENSMUSG000000048316		MTG_602473021	1.14	0.00428	1.27	0.09830
140	ENSMUSG000000019947	AT-rich interactive domain-containing protein 5B (ARID domain	gbctl04_plate17_A20	1.13	0.00514	0.5	0.41500
141	ENSMUSG000000034109	golgi phosphoprotein 4. [Source:RefSeq;Acc:NM_175193]	MTG_602476779	1.13	0.00443	0.6	0.13500
142	ENSMUSG000000032187	SWI/SNF related, matrix associated, actin dependent regulato	MTG_602475514	1.12	0.00598	-0.26	0.71900
143	ENSMUSG000000035176	Sphingosine 1-phosphate receptor Edg-3 (S1P receptor Edg-3	gbctl04_plate8_O08	1.12	0.01714	-0.73	0.29800
144	ENSMUSG000000033855	Stonin 1 (Stoned B-like factor). [Source:Uniprot/SWISSPROT;	gbctl04_plate7_O10	1.11	0.00937	0.93	0.03150
145	ENSMUSG000000034341	WW domain binding protein 2 (WBP-2). [Source:Uniprot/SWIS	gbctl04_plate4_G16	1.11	0.00474	0.24	0.60300
146	ENSMUSG000000015452	Advanced glycosylation end product-specific receptor precurs	MTG_602474236	1.1	0.02749	0.29	0.60500
147	ENSMUSG000000001995	MKIAA1389 protein (Fragment). [Source:Uniprot/SPTREMBL;	MTG_602472331	1.09	0.00512	-0.84	0.05000
148	ENSMUSG000000025981		MTG_602467066	1.09	0.02586	0.95	0.07800
149	ENSMUSG000000026538	Interferon-activatable protein 204 (Ifi-204) (Interferon-inducible	gbctl04_plate11_H13	1.09	0.04098	0.92	0.09850
150	ENSMUSG000000034205	Lysyl oxidase homolog 2 (EC 1.4.3.-) (Lysyl oxidase-like protei	gbctl04_plate14_E12	1.09	0.00750	1.31	0.19000
151	ENSMUSG000000036501		MTG_602471094	1.09	0.01356	0.63	0.21500
152	ENSMUSG0000000038259	Growth/differentiation factor 5 precursor (GDF-5). [Source:Unip	MTG_602474642	1.09	0.00574	0.36	0.61100
153	ENSMUSG000000053265		MTG_602470574	1.09	0.03151	0	0.99900
154	ENSMUSG000000012017	Scavenger receptor class F member 2 precursor (Scavenger r	gbctl04_plate4_N21	1.08	0.03520	1	0.02670
155	ENSMUSG000000014778	formin homology 2 domain containing 1. [Source:RefSeq;Acc:NM	MTG_602472446	1.08	0.01491	-0.07	0.92000
156	ENSMUSG000000026814	Endoglin precursor (Cell surface MJ7/18 antigen). [Source:Unip	MTG_602472662	1.08	0.01235	-0.08	0.91100
157	ENSMUSG000000057788		gbctl04_plate8_I08	1.08	0.00457	0.55	0.15100
158	ENSMUSG000000032288	RIKEN cDNA 1190002L16; U3 snoRNP protein 3 homolog (ye	gbctl04_plate15_H09	1.07	0.03237	1.35	0.11800
159	ENSMUSG000000041189	Acetylcholine receptor protein, beta chain precursor. [Source:U	gbctl04_plate10_G17	1.07	0.01615	0.03	0.99200
160	ENSMUSG000000044345	MARVEL (membrane-associating) domain containing 1. [Source:U	MTG_602474161	1.07	0.00825	0.46	0.53000
161	ENSMUSG000000058070		MTG_602476271	1.07	0.03529	0.33	0.55200
162	ENSMUSG000000006362	core-binding factor, runt domain, alpha subunit 2; translocated	gbctl04_plate3_E12	1.05	0.00419	-0.26	0.57100
163	ENSMUSG000000029163	EMILIN 1 precursor (Elastin microfibril interface-located proteir	MTG_602471761	1.05	0.00756	0.98	0.06750
164	ENSMUSG000000040407	A kinase (PRKA) anchor protein (yotiao) 9. [Source:RefSeq;Acc	gbctl04_plate13_E06	1.05	0.01235	-0.01	0.99500
165	ENSMUSG000000041921	methionine aminopeptidase-like 1. [Source:RefSeq;Acc:NM_0	MTG_602467457	1.05	0.01358	0.11	0.87100
166	ENSMUSG000000020272	Serine/threonine-protein kinase 10 (EC 2.7.1.37) (Lymphocyte	MTG_602477555	1.04	0.00563	-0.85	0.03730
167	ENSMUSG000000030096	Sodium- and chloride-dependent taurine and beta-alanine tran	gbctl04_plate12_H14	1.04	0.01036	-0.81	0.09640
168	ENSMUSG000000032771	Casein kinase II, alpha chain (CK II) (EC 2.7.1.37). [Source:Un	gbctl04_plate10_N08	1.04	0.00433	-0.27	0.59600
169	ENSMUSG000000037933	Cytoskeleton-like bicaudal D protein homolog 2. [Source:Unipr	MTG_602471366	1.04	0.00688	-0.46	0.44100
170	ENSMUSG000000031921	Telomeric repeat binding factor 2 (TTAGGG repeat binding fac	MTG_602473337	1.03	0.00580	-0.19	0.62900
171	ENSMUSG000000034842	Ecto-ADP-ribosyltransferase 3 precursor (EC 2.4.2.31) (NAD(F	MTG_602468540	1.03	0.01582	-0.47	0.32300
172	ENSMUSG000000047710		gbctl04_plate12_P02	1.03	0.00594	0.06	0.92700
173	ENSMUSG000000062606		MTG_602476016	1.03	0.01599	0.65	0.26100
174	ENSMUSG000000064174		MTG_602468773	1.03	0.00810	0	0.99600
175	ENSMUSG000000005397	Nidogen precursor (Entactin). [Source:Uniprot/SWISSPROT;A	gbctl04_plate13_A07	1.02	0.00884	-0.04	0.93800
176	ENSMUSG000000006304	Adult male stomach cDNA, RIKEN full-length enriched library,	MTG_602470332	1.02	0.02388	0.72	0.09510
177	ENSMUSG000000022198	Polyadenylate-binding protein 2 (Poly(A)-binding protein 2) (Pc	MTG_602467596	1.02	0.00638	0.57	0.11800
178	ENSMUSG000000032724		MTG_602474313	1.02	0.01811	0.7	0.05810
179	ENSMUSG000000002732	FK506-binding protein 7 precursor (EC 5.2.1.8) (Peptidyl-proly	gbctl04_plate4_J09	1.01	0.02165	0.5	0.32600
180	ENSMUSG000000024975	programmed cell death 4. [Source:RefSeq;Acc:NM_011050]	MTG_602469293	1.01	0.01209	0.68	0.21200
1	EST		MTG_602470946	2.45	0.00265	1.37	0.11500
2	EST		gbctl04_plate17_M02	2.16	0.00264	1.39	0.09680
3	EST		gbctl04_plate12_L06	2.12	0.00356	-0.42	0.47500
4	EST		MTG_602469828	1.69	0.00352	-0.14	0.80100
5	EST		MTG_602472183	1.67	0.00239	0.03	0.96500
6	EST		gbctl04_plate17_C23	1.66	0.00302	0.38	0.32300
7	EST		MTG_602471158	1.56	0.00466	-0.97	0.04840
8	EST		MTG_602475451	1.54	0.00255	-0.17	0.79200

9	EST	MTG_602467608	1.51	0.00297	0.13	0.80000
10	EST	MTG_602467143	1.44	0.01876	-0.21	0.74200
11	EST	MTG_602474159	1.31	0.01290	-0.14	0.79100
12	EST	MTG_602470220	1.28	0.00934	0.39	0.54400
13	EST	gbctl04_plate13_H24	1.27	0.00474	1.22	0.13700
14	EST	MTG_602475577	1.19	0.00627	-0.11	0.86700
15	EST	gbctl04_plate3_I10	1.17	0.01023	0.29	0.61300
16	EST	MTG_602468043	1.17	0.00917	0.5	0.45000
17	EST	MTG_602296454	1.15	0.03824	0.9	0.22700
18	EST	MTG_602467551	1.13	0.00406	0.16	0.86700
19	EST	MTG_602473648	1.13	0.01130	0.63	0.28500
20	EST	MTG_602471148	1.11	0.02053	-0.21	0.73100
21	EST	MTG_602467367	1.11	0.00495	0.15	0.90000
22	EST	MTG_602469635	1.11	0.01734	0.99	0.02390
23	EST	MTG_602475978	1.08	0.00781	-0.42	0.41600
24	EST	gbctl04_plate5_G03	1.06	0.01132	0.89	0.03920
25	EST	MTG_602467001	1.04	0.04592	-0.3	0.50900
26	EST	MTG_602472533	1.03	0.00748	-0.51	0.23500
27	EST	MTG_602467781	1.01	0.01448	0.7	0.24800
28	EST	MTG_602475963	1.01	0.00438	1.36	0.14500

Table S7

List of category 5 genes in Fig. 1C.