

Table S6

Gene category 4		Glomerulus cDNA clones				
ENSEMBL_gene_id	ENSEMBL_gene_name	Clone_id	log2(glo/rest_kidney)	Pvalue1	log2(glo/brain_capillary)	Pvalue2
1 ENSMUSG00000041378	Claudin-5 (Brain endothelial cell clone 1 protein) (Lung-specific membra	MTG_602469286	2.96	0.00306	-2.81	0.00043
2 ENSMUSG00000029648	Vascular endothelial growth factor receptor 1 precursor (EC 2.7.1.112) (MTG_602474378	1.64	0.00422	-2.19	0.00115
3 ENSMUSG00000028978	Nitric-oxide synthase, endothelial (EC 1.14.13.39) (EC-NOS) (NOS, type	MTG_602475506	1.11	0.00373	-2.69	0.00011
4 ENSMUSG00000002885	CD97 antigen precursor. [Source:Uniprot/SWISSPROT;Acc:Q9Z0M6]	MTG_602467822	1.23	0.00976	-2.46	0.00226
5 ENSMUSG000000033960		gbctI04_plate6_H24	1.34	0.03567	-2.33	0.00120
6 ENSMUSG00000016934	DNA topoisomerase I (EC 5.99.1.2). [Source:Uniprot/SWISSPROT;Acc:	MTG_602471490	1.1	0.01392	-2.47	0.00013
7 ENSMUSG00000001123	Galectin-9. [Source:Uniprot/SWISSPROT;Acc:O08573]	MTG_602472684	1.95	0.00269	-1.51	0.00819
8 ENSMUSG00000009687	FX1D domain-containing ion transport regulator 5 precursor (Oncoprote	MTG_602472810	1.66	0.02679	-1.72	0.03080
9 ENSMUSG00000020717	Platelet endothelial cell adhesion molecule precursor (PECAM-1) (CD31	gbctI04_plate10_B08	1.26	0.01303	-2.03	0.00064
10 ENSMUSG00000045092	Sphingosine 1-phosphate receptor Edg-1 (Lysophospholipid receptor B1	MTG_602467520	1.07	0.00772	-2.22	0.00245
11 ENSMUSG000000062960	Vascular endothelial growth factor receptor 2 precursor (EC 2.7.1.112) (gbctI04_plate8_K20	1.87	0.00421	-1.4	0.00222
12 ENSMUSG000000016087	Friend leukemia integration 1 transcription factor (Retroviral integration	MTG_602469456	1.78	0.02219	-1.47	0.03170
13 ENSMUSG000000024168		gbctI04_plate5_N09	1.54	0.00387	-1.67	0.00158
14 ENSMUSG00000018845	cardiomyopathy associated 4; striated muscle UNC45. [Source:RefSeq;]	MTG_602475484	1.52	0.00316	-1.66	0.00577
15 ENSMUSG000000031805	Janus kinase 3. [Source:RefSeq;Acc:NM_010589]	MTG_602471519	1.08	0.00812	-2.06	0.00096
16 ENSMUSG000000044562		MTG_602471891	1.68	0.00272	-1.43	0.00588
17 ENSMUSG000000032562	Guanine nucleotide-binding protein G(i), alpha-2 subunit (Adenylate cycl	gbctI04_plate3_H08	1.02	0.02499	-2.07	0.01500
18 ENSMUSG00000000530	Serine/threonine-protein kinase receptor R3 precursor (EC 2.7.1.37) (Sk	MTG_602471210	1.02	0.00768	-2.05	0.00034
19 ENSMUSG00000016494	Hematopoietic progenitor cell antigen CD34 precursor. [Source:Uniprot/	gbctI04_plate8_G22	1.53	0.00272	-1.53	0.00187
20 ENSMUSG000000041445	elastin microfibril interfacier 3. [Source:RefSeq;Acc:NM_153127]	MTG_602469476	1.18	0.00375	-1.83	0.00025
21 ENSMUSG000000024440	Protocadherin 12 precursor (Vascular cadherin-2) (Vascular endothelial	MTG_602468710	1.69	0.00420	-1.27	0.00382
22 ENSMUSG000000026921	vascular endothelial statin isoform 1 precursor; NEU1 protein; vascular	MTG_602476194	1.25	0.00380	-1.71	0.00056
23 ENSMUSG00000001029	Intercellular adhesion molecule-2 precursor (ICAM-2) (CD102) (Lympho	gbctI04_plate8_G19	1.28	0.03408	-1.59	0.00446
24 ENSMUSG000000006445	Ephrin type-A receptor 2 precursor (EC 2.7.1.112) (Tyrosine-protein kin	MTG_602473722	1.29	0.00884	-1.56	0.00881
25 ENSMUSG000000022220	Adenylate cyclase, type IV (EC 4.6.1.1) (ATP pyrophosphate-lyase) (Ad	MTG_602470186	1.03	0.00436	-1.82	0.00095
26 ENSMUSG000000020099	unc-5 homolog B; unc5 homolog (C. elegans) 2. [Source:RefSeq;Acc:NM	MTG_602468418	1.46	0.00357	-1.33	0.00632
27 ENSMUSG000000005583	myocyte enhancer factor 2C. [Source:RefSeq;Acc:NM_025282]	MTG_602310658	1.29	0.02051	-1.35	0.04190
28 ENSMUSG000000024238	Transcription factor 8 (Zinc finger homeobox protein 1a) (MEB1) (Delta	MTG_602475969	1.4	0.00365	-1.13	0.00777
29 ENSMUSG000000026796	Niban-like protein. [Source:Uniprot/SWISSPROT;Acc:Q8R1F1]	MTG_602475412	1.3	0.00452	-1.19	0.00902
30 ENSMUSG000000010034	SOX-13 protein. [Source:Uniprot/SWISSPROT;Acc:Q04891]	MTG_602476517	1.21	0.00421	-1.27	0.03080
31 ENSMUSG000000041308	Beta-2-syntrophin (59 kDa dystrophin-associated protein A1, basic com	MTG_602475755	1.17	0.01013	-1.31	0.01550
32 ENSMUSG000000031824		MTG_602472654	1.34	0.00418	-1.03	0.01890
33 ENSMUSG000000038387	Ras-related protein R-Ras (P23). [Source:Uniprot/SWISSPROT;Acc:P1	gbctI04_plate6_H16	1.24	0.01327	-1.02	0.01040
34 ENSMUSG000000034422		gbctI04_plate7_N11	1.1	0.00801	-1.08	0.01500
1	EST	gbctI04_plate16_O03	1.21	0.02310	-1.44	0.02040

Table S6

List of category 4 genes in Fig. 1C.