

## Supplementary Materials for

### **Single-cell molecular profiling of all three components of the HPA axis reveals adrenal ABCB1 as a regulator of stress adaptation**

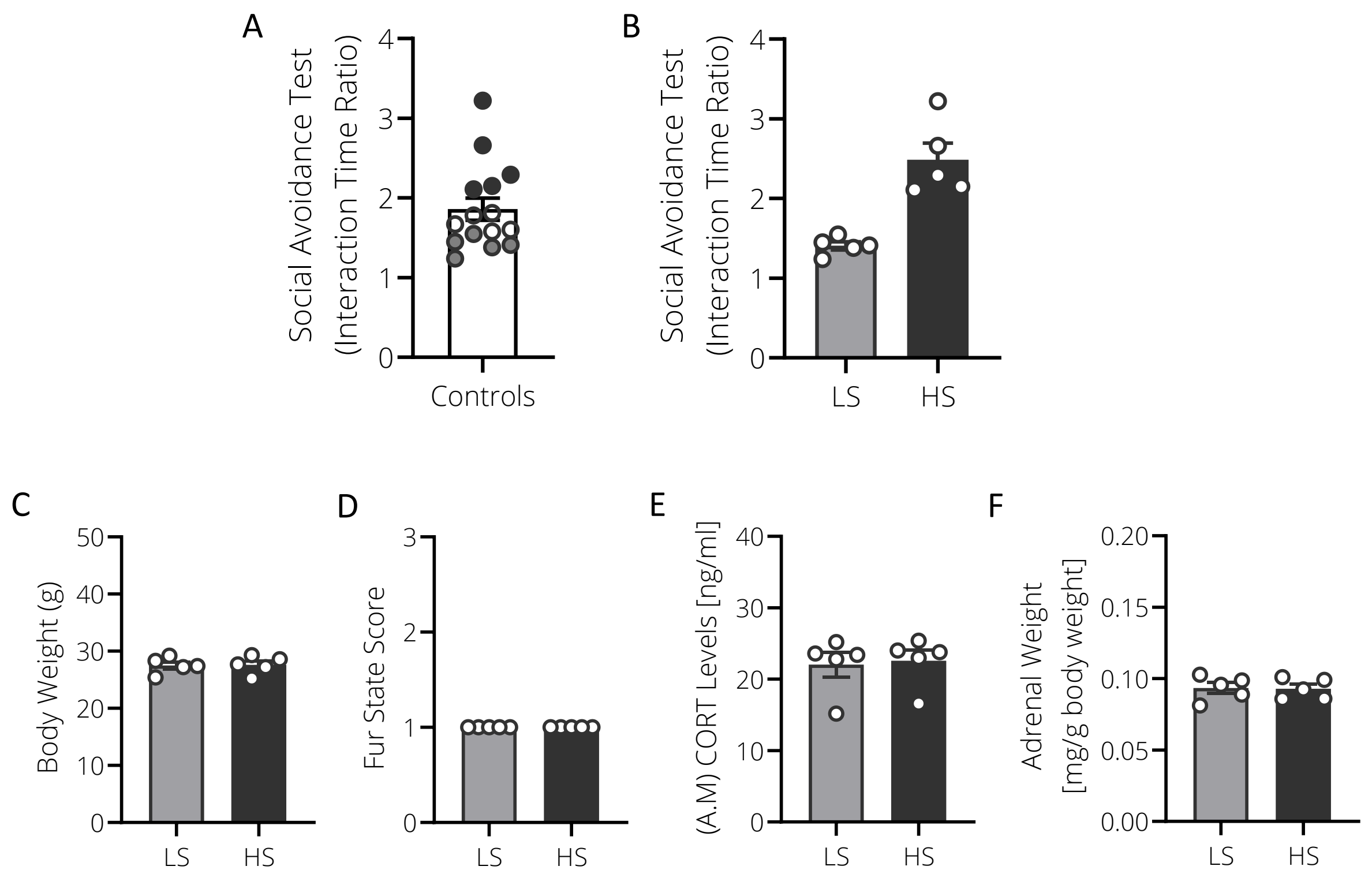
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Published 27 January 2021, *Sci. Adv.* 7, eabe4497 (2021)  
DOI: 10.1126/sciadv.abe4497

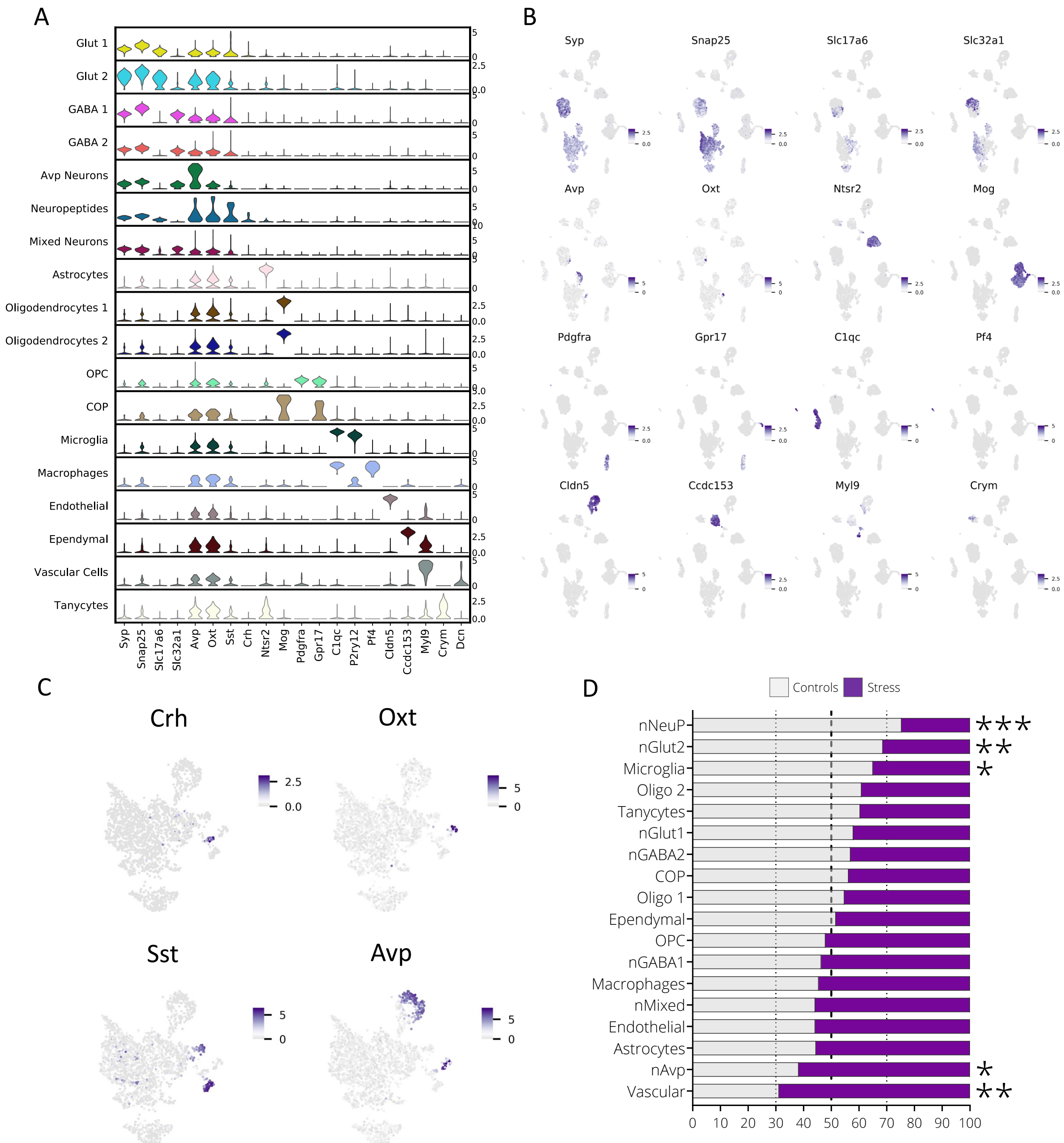
#### **This PDF file includes:**

Figs. S1 to S5  
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**Fig S1. Controls – Split by Social Interaction Scores.** (A) Interaction ratios in control mice during the social avoidance test. (B) High-social controls (Top 5) (N=5) and [2] Low-social controls (Bottom 5) (N=5). (C-H) There are no significant differences between the low-social (LS) and high-social (HS) controls among any of the stress variables tested: body weight, fur state, adrenal weight, CORT levels, adrenal *Abcb1* or *Sbsn* mRNA levels.

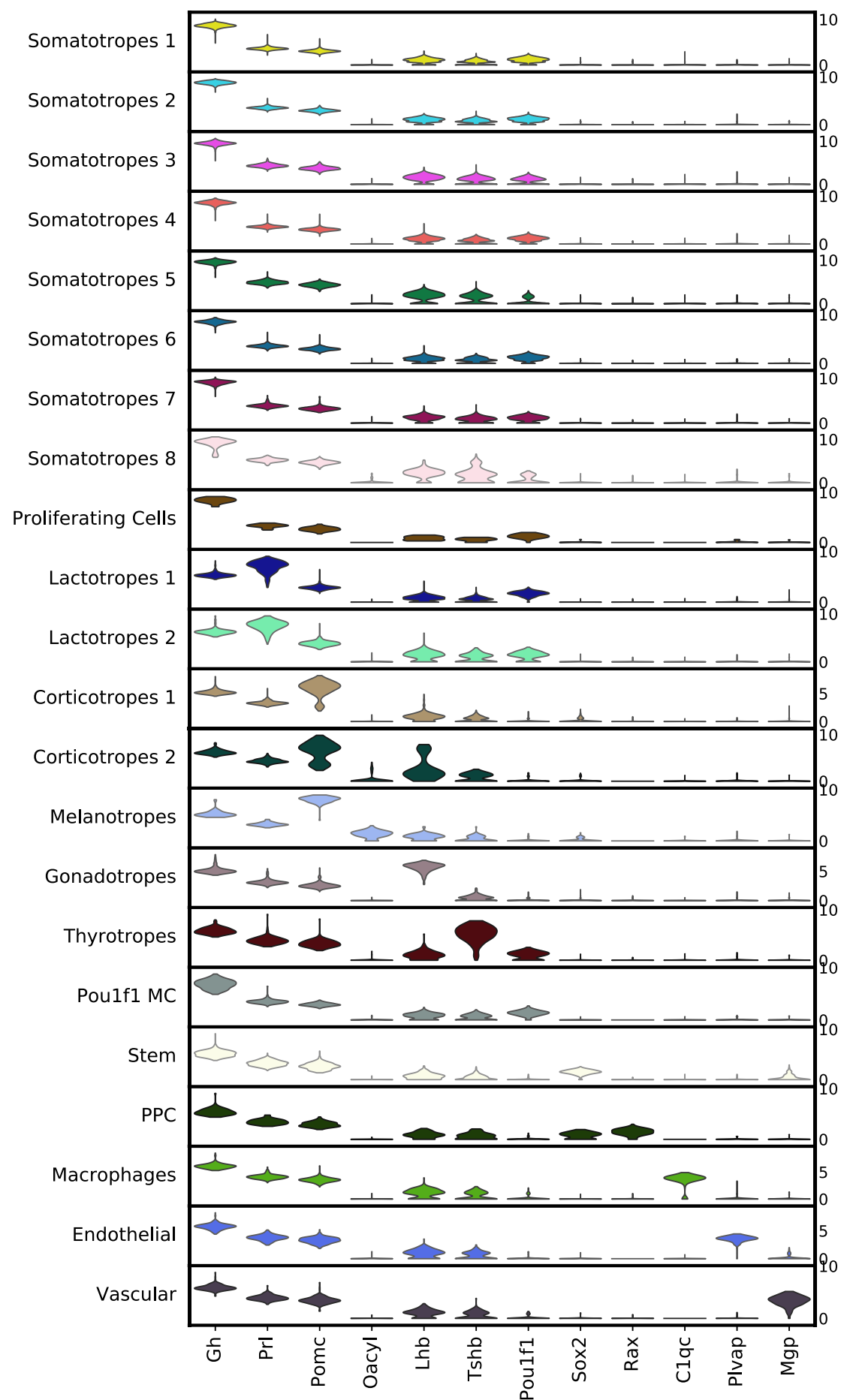
Fig. S2



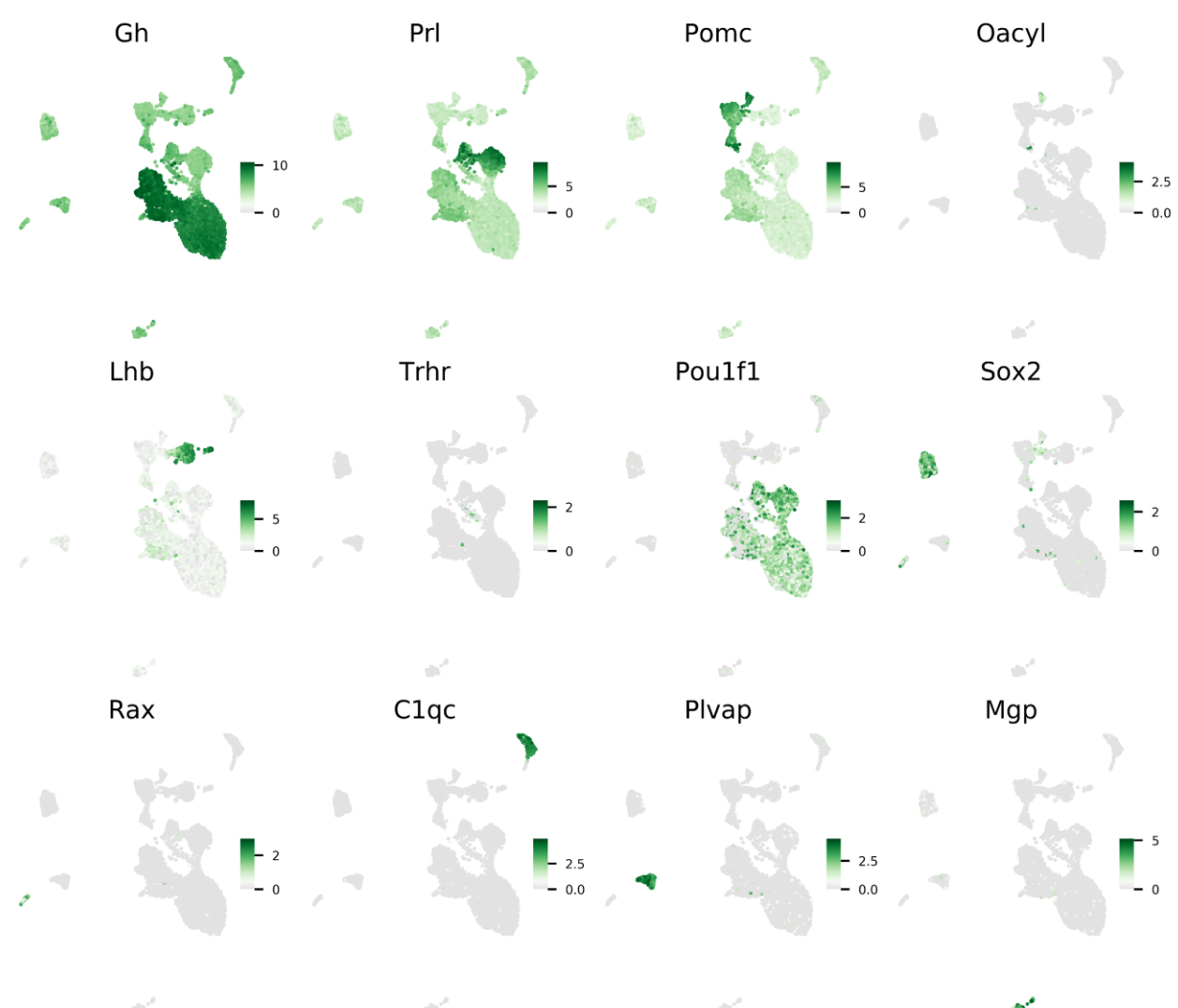
**Fig. S2: Identity of clusters – PVN.** (A) Stacked violin plots and (B) dimensionality reduction Uniform Manifold Approximation and Projection (UMAP) plots showing the expression of cell-type-specific markers. All neurons (*Syp*, *Snap25*), glutamatergic neurons (*Slc17a6*), GABAergic neurons (*Slc32a1*), neuropeptide neurons (*Avp*, *Oxt*, *Sst*, *Crh*), astrocytes (*Ntsr2*), oligodendrocytes (*Mog*), OPCs (*Pdgfra*), COPs (*Gpr17*), microglia (*C1qc*, *P2ry12*), macrophages (*Pf4*, *P2ry12*), endothelial cells (*Cldn5*), ependymal cells (*Ccgc153*), vascular cells (*Myl9*, *Dcn*), tanycytes (*Crym*). (C) UMAP plots depicting the expression of known neuropeptides (*Crh*, *Oxt*, *Avp*, and *Sst*) in the PVN. (D) Distribution of *Nr3c1* positive cells by cluster in each condition (control vs. stress). Bars represent the percentage of *Nr3c1* positive cells from the control and stressed group per cluster (0-100%). All controls (grey) and PVN (purple). Fisher's exact test \* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$ .

Fig. S3

A



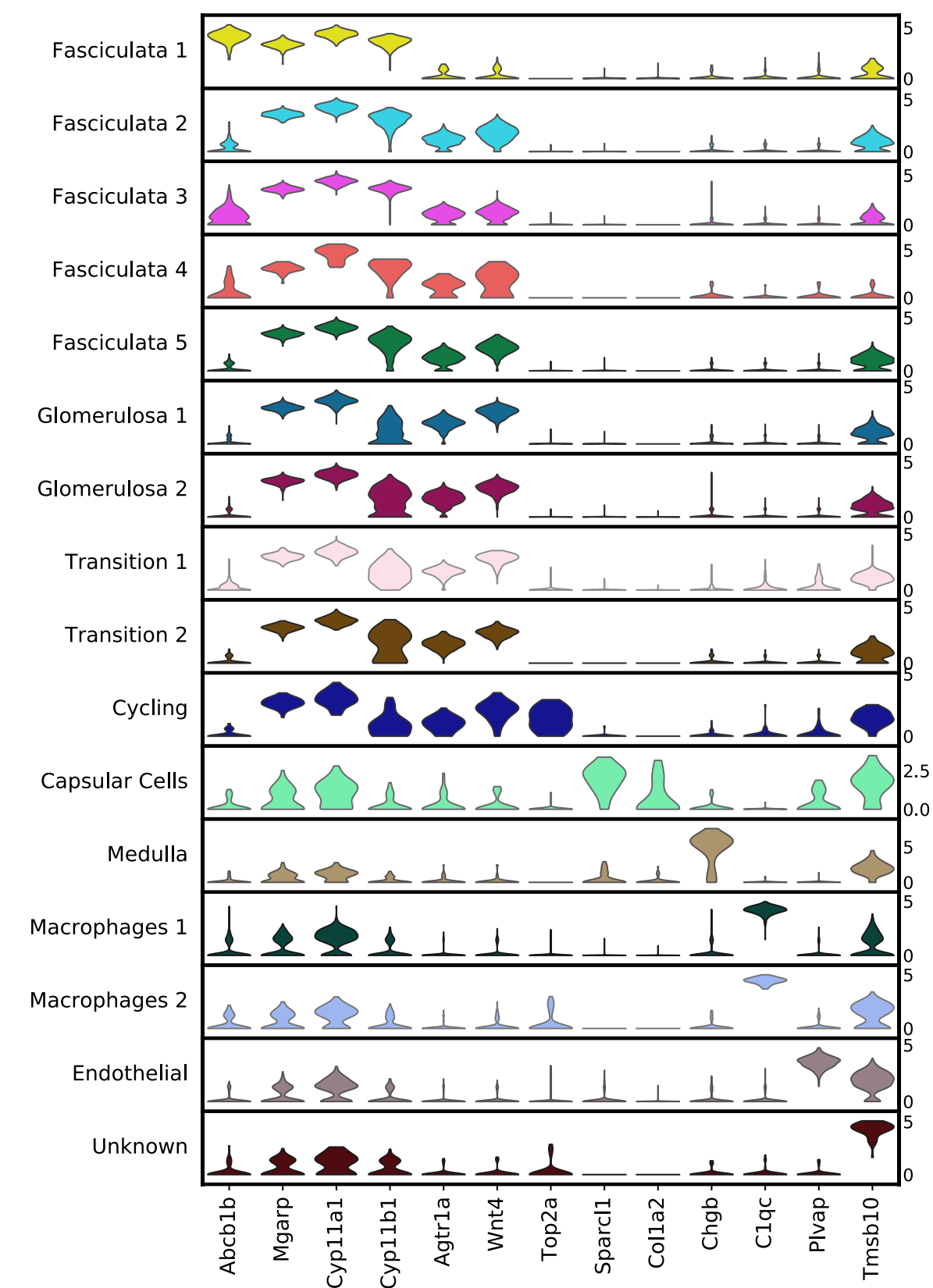
B



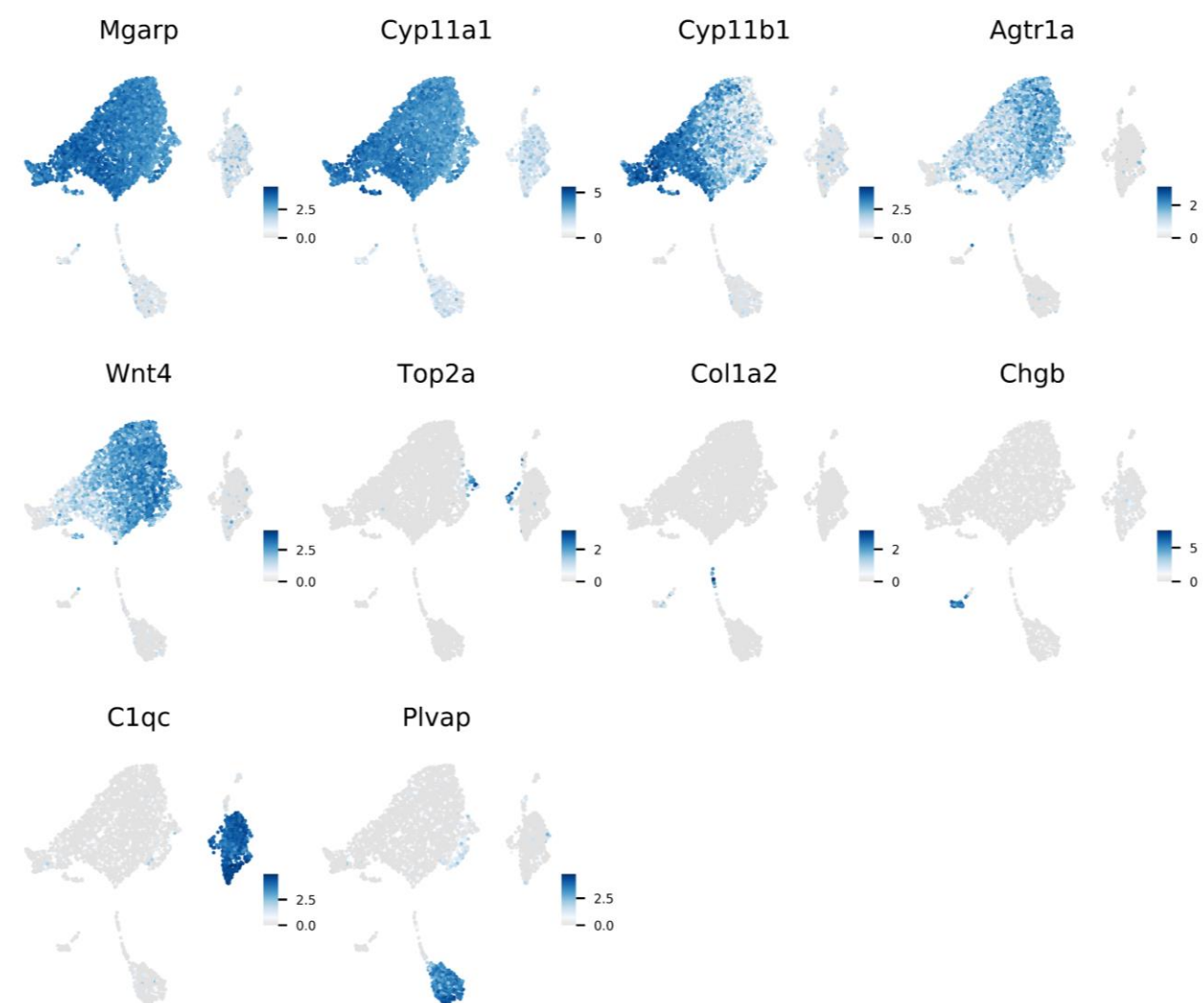
**Fig. S3: Identity of clusters – Pituitary gland.** (A) Stacked violin plots and (B) dimensionality reduction Uniform Manifold Approximation and Projection (UMAP) plots showing the expression of cell-type-specific markers. Somatotropes (*Gh*), lactotropes (*Prl*), corticotropes (*Pomc*), melanotropes (*Oacyl*), thyrotropes (*Lhb*, *Tshb*), Pou1f1-expressing mixed cells (*Pou1f1*), stem cells (*Sox2*), posterior pituitary (*Rax*, *Sox2*), macrophages (*C1qc*), endothelial cells (*Pvap*), vascular cells (*Mgp*).

Fig. S4

A

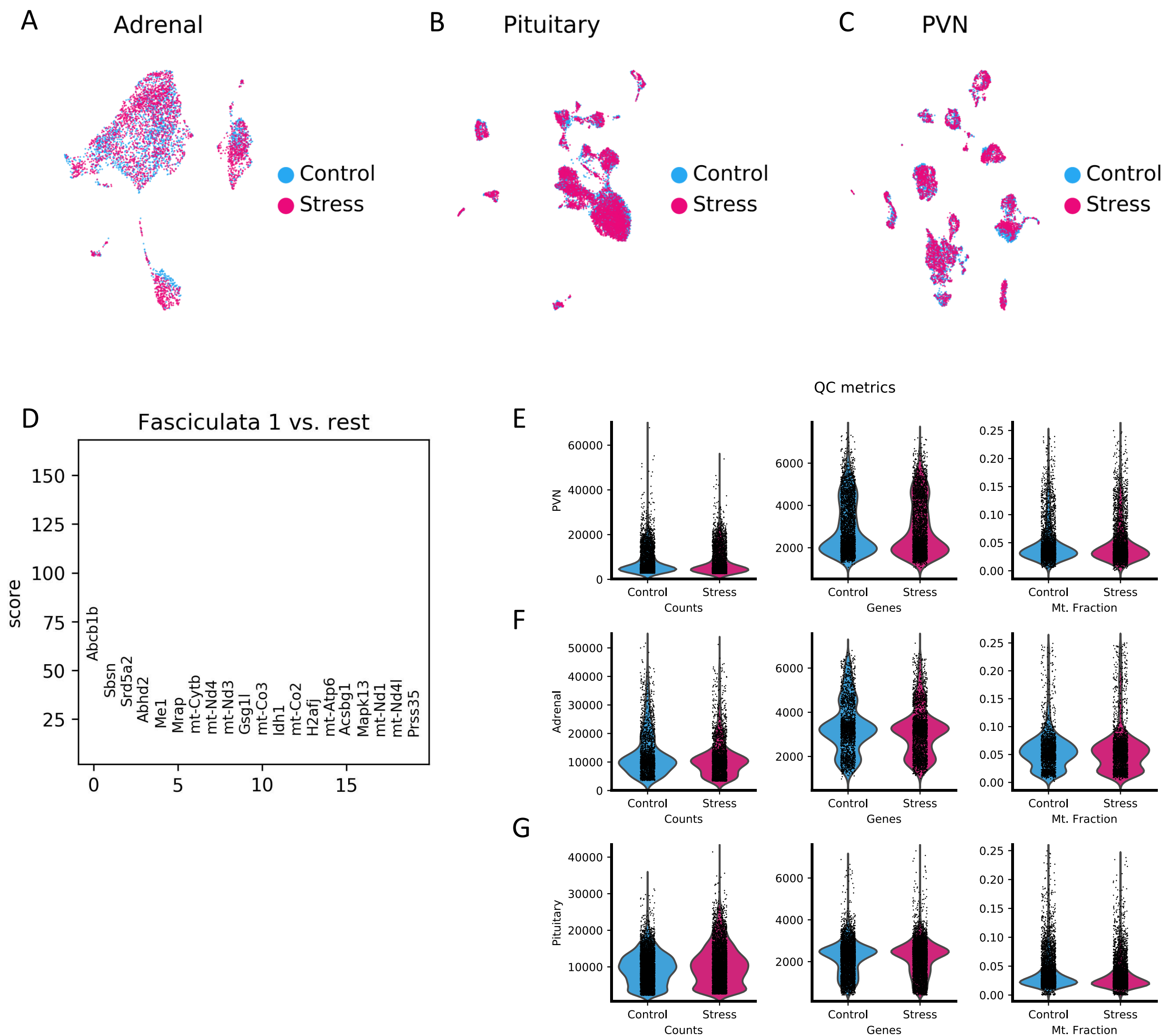


B



**Fig. S4. Identity of clusters – Adrenal gland.** (A) Stacked violin plots and (B) dimensionality reduction Uniform Manifold Approximation and Projection (UMAP) plots showing the expression of cell-type-specific markers. Adrenocortical cells (*Mgarp*, *Cyp11a1*), zona fasciculata cells (*Cyp11b1*), zona fasciculata-1 cells (*Abcb1b*), zona glomerulosa cells (*Agtr1a*, *Wnt4*), proliferating cells (*Top2a*), capsular cells (*Sparcl1*, *Col1a2*), adrenomedullary cells (*Chgb*), macrophages (*C1qc*), endothelial cells (*Plvap*).

Fig. S5



**Fig. S5. Quality Control (QC) plots.** (A-C) UMAP plots showing the distribution of all cells by condition: Control (Blue), Stress (Magenta). (D) Plot shows the top 20 genes that define the zona fasciculata 1 cluster in the adrenal gland. "Score" refers to the z-score underlying the computation of a p-value for each gene for each group (cell type) as compared to every other cell type. (E-G) Violin plots showing the distribution of number of genes, number of counts and percentage of mitochondrial fraction in all three tissues (E) PVN, (F) Pituitary, (G) Adrenal gland. Cells were filtered out if (1) less than 1,000 counts, (2) less than 400 genes detected, and (3) percentage of mitochondrial gene counts higher than 25%. Additionally, genes expressed in less than 20 cells were removed as well.

**Table S1:** Expression of the top 100 genes defining individual clusters in the PVN

PVN Clusters - Top100 Genes						
Rank	Names	Cell Type	Scores	pval	adj_pval	Log2FC
1	Gap43	Glutamatergic Neurons 1	31.54	1.40E-126	1.13E-122	2.79
2	Sncb	Glutamatergic Neurons 1	28.80	2.86E-118	1.54E-114	2.72
3	Gng3	Glutamatergic Neurons 1	28.75	3.10E-117	1.25E-113	2.48
4	Slc17a6	Glutamatergic Neurons 1	28.48	9.28E-128	1.50E-123	3.50
5	Mllt11	Glutamatergic Neurons 1	28.10	1.67E-110	3.86E-107	2.40
6	Bex1	Glutamatergic Neurons 1	27.67	2.10E-111	5.67E-108	2.34
7	Atp6v1g2	Glutamatergic Neurons 1	26.84	2.55E-108	4.58E-105	2.40
8	Fxyd7	Glutamatergic Neurons 1	26.70	2.58E-116	8.34E-113	2.86
9	Tmsb10	Glutamatergic Neurons 1	26.56	9.01E-100	1.12E-96	2.32
10	Zwint	Glutamatergic Neurons 1	26.45	4.63E-98	4.68E-95	2.33
11	Basp1	Glutamatergic Neurons 1	26.44	1.46E-102	1.97E-99	2.27
12	Serp2	Glutamatergic Neurons 1	26.42	2.78E-107	4.49E-104	2.23
13	Stmn2	Glutamatergic Neurons 1	26.38	1.35E-102	1.97E-99	2.37
14	Rab3a	Glutamatergic Neurons 1	26.29	1.27E-98	1.46E-95	2.26
15	Snrpn	Glutamatergic Neurons 1	26.27	3.51E-97	3.15E-94	2.14
16	Nap1l5	Glutamatergic Neurons 1	25.87	1.10E-96	9.36E-94	2.31
17	6330403K07Rik	Glutamatergic Neurons 1	25.77	1.43E-96	1.15E-93	2.49
18	Uchl1	Glutamatergic Neurons 1	25.77	1.69E-97	1.61E-94	2.18
19	Arhgdig	Glutamatergic Neurons 1	25.76	3.13E-109	6.33E-106	2.40
20	Stmn3	Glutamatergic Neurons 1	24.83	9.29E-90	5.78E-87	2.18
21	Camk2n2	Glutamatergic Neurons 1	24.62	1.61E-98	1.73E-95	2.19
22	Atpif1	Glutamatergic Neurons 1	24.54	5.08E-91	3.28E-88	1.79
23	Vamp2	Glutamatergic Neurons 1	24.54	1.34E-91	9.01E-89	1.94
24	Gabarapl1	Glutamatergic Neurons 1	24.42	6.91E-93	5.08E-90	1.86
25	Bex2	Glutamatergic Neurons 1	24.36	1.45E-88	7.58E-86	2.20
26	Snap25	Glutamatergic Neurons 1	24.05	5.06E-92	3.56E-89	2.30
27	Nsg2	Glutamatergic Neurons 1	24.02	5.79E-96	4.46E-93	2.19
28	Rpl22l1	Glutamatergic Neurons 1	23.99	1.48E-87	7.24E-85	1.80
29	Ywhah	Glutamatergic Neurons 1	23.85	1.56E-86	7.21E-84	1.90
30	Nrn1	Glutamatergic Neurons 1	23.68	6.63E-89	3.58E-86	4.29
31	Calm2	Glutamatergic Neurons 1	23.68	5.25E-86	2.29E-83	1.44
32	Celf4	Glutamatergic Neurons 1	23.59	2.71E-86	1.22E-83	2.15
33	Dynll2	Glutamatergic Neurons 1	23.51	2.80E-85	1.13E-82	1.77
34	Ly6h	Glutamatergic Neurons 1	23.49	3.61E-85	1.42E-82	2.21
35	Gm1673	Glutamatergic Neurons 1	23.39	2.12E-87	1.01E-84	1.93
36	Ngfrap1	Glutamatergic Neurons 1	23.30	5.35E-84	1.92E-81	1.86
37	Nsg1	Glutamatergic Neurons 1	23.29	2.57E-84	9.89E-82	1.97
38	Prkar1b	Glutamatergic Neurons 1	23.19	3.57E-89	1.99E-86	2.03
39	2210013O21Rik	Glutamatergic Neurons 1	23.13	1.17E-89	6.98E-87	1.92
40	Sult4a1	Glutamatergic Neurons 1	23.13	1.31E-89	7.59E-87	2.06

41	Nme1	Glutamatergic Neurons 1	22.91	6.95E-84	2.39E-81	1.68
42	Impact	Glutamatergic Neurons 1	22.62	5.92E-84	2.08E-81	1.96
43	Ahi1	Glutamatergic Neurons 1	22.60	1.39E-80	3.87E-78	2.15
44	Meg3	Glutamatergic Neurons 1	22.60	3.71E-78	8.58E-76	3.12
45	Sh3bp1	Glutamatergic Neurons 1	22.55	3.71E-84	1.40E-81	1.93
46	Habp4	Glutamatergic Neurons 1	22.51	3.85E-88	1.94E-85	2.04
47	Tagln3	Glutamatergic Neurons 1	22.50	1.78E-82	5.65E-80	1.98
48	Araf	Glutamatergic Neurons 1	22.44	1.42E-81	4.33E-79	1.75
49	Ywhag	Glutamatergic Neurons 1	22.41	2.41E-83	7.97E-81	1.83
50	Nrsn2	Glutamatergic Neurons 1	22.29	2.77E-80	7.59E-78	2.10
51	2900011O08Rik	Glutamatergic Neurons 1	22.17	2.42E-85	1.00E-82	2.02
52	Atp5g3	Glutamatergic Neurons 1	22.11	5.29E-81	1.56E-78	1.67
53	Cxx1a	Glutamatergic Neurons 1	22.05	3.37E-79	8.79E-77	1.68
54	Snhg11	Glutamatergic Neurons 1	22.04	4.70E-75	9.38E-73	2.79
55	A730017C20Rik	Glutamatergic Neurons 1	21.92	4.91E-84	1.80E-81	2.04
56	Ctxn2	Glutamatergic Neurons 1	21.89	9.35E-86	3.98E-83	2.31
57	Cnih2	Glutamatergic Neurons 1	21.87	8.15E-83	2.64E-80	2.03
58	Timm8b	Glutamatergic Neurons 1	21.85	3.68E-79	9.33E-77	1.67
59	Tspyl4	Glutamatergic Neurons 1	21.67	2.45E-79	6.59E-77	1.79
60	1500011B03Rik	Glutamatergic Neurons 1	21.65	1.11E-80	3.18E-78	1.83
61	Tmem130	Glutamatergic Neurons 1	21.63	2.16E-78	5.06E-76	1.98
62	Ctxn1	Glutamatergic Neurons 1	21.58	1.92E-83	6.46E-81	2.18
63	Tbca	Glutamatergic Neurons 1	21.54	1.31E-78	3.15E-76	1.62
64	Vsnl1	Glutamatergic Neurons 1	21.53	3.71E-82	1.15E-79	2.22
65	Ywhab	Glutamatergic Neurons 1	21.49	8.69E-78	1.95E-75	1.64
66	Map7d2	Glutamatergic Neurons 1	21.47	6.47E-79	1.59E-76	1.80
67	Usmg5	Glutamatergic Neurons 1	21.45	9.27E-76	1.92E-73	1.58
68	Nrsn1	Glutamatergic Neurons 1	21.44	2.10E-81	6.27E-79	2.13
69	Stxbp1	Glutamatergic Neurons 1	21.43	2.76E-79	7.32E-77	1.88
70	Resp18	Glutamatergic Neurons 1	21.20	8.24E-75	1.62E-72	2.21
71	Necap1	Glutamatergic Neurons 1	21.11	3.69E-79	9.33E-77	1.90
72	Rab3c	Glutamatergic Neurons 1	21.10	1.12E-80	3.18E-78	2.17
73	Pnck	Glutamatergic Neurons 1	21.08	5.36E-77	1.14E-74	1.89
74	Hras	Glutamatergic Neurons 1	21.04	4.47E-77	9.63E-75	1.73
75	Thy1	Glutamatergic Neurons 1	20.94	5.71E-79	1.42E-76	2.18
76	Caly	Glutamatergic Neurons 1	20.93	3.18E-72	5.72E-70	1.96
77	Ina	Glutamatergic Neurons 1	20.92	1.48E-78	3.52E-76	2.02
78	Pfdn2	Glutamatergic Neurons 1	20.92	2.22E-73	4.12E-71	1.49
79	Napb	Glutamatergic Neurons 1	20.64	8.54E-78	1.95E-75	2.11
80	Uqcc2	Glutamatergic Neurons 1	20.63	7.64E-74	1.44E-71	1.58
81	Gpx3	Glutamatergic Neurons 1	20.58	1.13E-77	2.50E-75	2.41
82	1700037H04Rik	Glutamatergic Neurons 1	20.57	2.03E-77	4.43E-75	2.09
83	Cmas	Glutamatergic Neurons 1	20.57	4.70E-75	9.38E-73	1.78



84	Syngn3	Glutamatergic Neurons 1	20.56	4.56E-75	9.34E-73	1.90
85	Fam213b	Glutamatergic Neurons 1	20.49	5.24E-76	1.10E-73	1.91
86	Cend1	Glutamatergic Neurons 1	20.36	1.93E-74	3.75E-72	1.88
87	Mtch1	Glutamatergic Neurons 1	20.25	5.24E-70	8.83E-68	1.48
88	Rit2	Glutamatergic Neurons 1	20.24	3.65E-73	6.72E-71	1.89
89	2210016L21Rik	Glutamatergic Neurons 1	20.14	8.33E-72	1.48E-69	1.64
90	Ngb	Glutamatergic Neurons 1	20.10	3.35E-74	6.36E-72	2.49
91	Cacna2d1	Glutamatergic Neurons 1	20.08	3.31E-74	6.36E-72	2.63
92	Eef1a2	Glutamatergic Neurons 1	20.02	1.88E-69	3.08E-67	1.81
93	Pacsin1	Glutamatergic Neurons 1	19.94	2.28E-72	4.15E-70	1.87
94	Fxyd6	Glutamatergic Neurons 1	19.87	1.45E-69	2.42E-67	1.90
95	Peg3	Glutamatergic Neurons 1	19.86	8.01E-69	1.28E-66	1.78
96	Atp5g1	Glutamatergic Neurons 1	19.86	1.12E-68	1.74E-66	1.40
97	Ttc3	Glutamatergic Neurons 1	19.86	3.12E-65	4.07E-63	1.90
98	Vti1b	Glutamatergic Neurons 1	19.85	3.45E-71	6.01E-69	1.66
99	Pcsk1n	Glutamatergic Neurons 1	19.84	3.49E-67	5.18E-65	1.62
100	Fkbp3	Glutamatergic Neurons 1	19.79	1.78E-68	2.75E-66	1.52
1	Ppp1r17	Glutamatergic Neurons 2	46.46	1.23E-158	1.99E-154	6.12
2	Pdyn	Glutamatergic Neurons 2	25.95	3.81E-76	3.08E-72	5.94
3	Hap1	Glutamatergic Neurons 2	23.58	2.22E-69	7.19E-66	2.72
4	6330403K07Rik	Glutamatergic Neurons 2	23.57	2.71E-67	7.31E-64	3.08
5	Nkx2-1	Glutamatergic Neurons 2	23.32	3.23E-73	1.74E-69	4.47
6	Nptx2	Glutamatergic Neurons 2	22.05	3.34E-65	7.71E-62	4.88
7	Tmem158	Glutamatergic Neurons 2	21.56	8.41E-72	3.40E-68	3.16
8	Bex2	Glutamatergic Neurons 2	19.67	3.71E-54	6.67E-51	2.45
9	Cnih2	Glutamatergic Neurons 2	19.62	1.05E-61	2.11E-58	2.46
10	Ngfrap1	Glutamatergic Neurons 2	18.29	3.12E-50	4.59E-47	2.04
11	Rpl22l1	Glutamatergic Neurons 2	18.19	3.13E-49	4.22E-46	1.90
12	Pnmal2	Glutamatergic Neurons 2	17.77	4.75E-49	5.91E-46	2.14
13	Fam19a4	Glutamatergic Neurons 2	17.75	1.45E-46	1.12E-43	5.92
14	Cck	Glutamatergic Neurons 2	17.54	9.02E-47	7.29E-44	5.46
15	Wbp5	Glutamatergic Neurons 2	17.18	7.54E-49	8.71E-46	1.85
16	Sub1	Glutamatergic Neurons 2	17.17	2.91E-47	2.77E-44	1.64
17	Fgf13	Glutamatergic Neurons 2	17.16	2.32E-50	3.75E-47	2.92
18	Dbpht2	Glutamatergic Neurons 2	16.73	1.09E-48	1.17E-45	2.96
19	Nkx2-4	Glutamatergic Neurons 2	16.66	1.46E-47	1.48E-44	3.60
20	Fxyd6	Glutamatergic Neurons 2	16.52	5.43E-45	3.99E-42	2.11
21	Mllt11	Glutamatergic Neurons 2	16.38	4.86E-44	3.02E-41	2.06
22	Tceal3	Glutamatergic Neurons 2	16.38	4.50E-47	3.83E-44	1.99
23	Gnas	Glutamatergic Neurons 2	16.37	5.91E-45	4.15E-42	1.46
24	Plppr4	Glutamatergic Neurons 2	16.27	3.87E-47	3.47E-44	2.48
25	Npas4	Glutamatergic Neurons 2	15.98	1.08E-44	7.26E-42	3.41

26	Ndn	Glutamatergic Neurons 2	15.95	8.25E-41	4.17E-38	2.01
27	Nrsn2	Glutamatergic Neurons 2	15.90	2.03E-42	1.13E-39	2.12
28	Slc17a6	Glutamatergic Neurons 2	15.74	2.36E-44	1.52E-41	3.09
29	Pcsk1n	Glutamatergic Neurons 2	15.62	3.64E-40	1.79E-37	1.76
30	Wdr6	Glutamatergic Neurons 2	15.56	1.00E-43	6.00E-41	1.98
31	Ttc3	Glutamatergic Neurons 2	15.50	5.95E-39	2.60E-36	2.06
32	Rpl3	Glutamatergic Neurons 2	15.50	1.65E-39	7.61E-37	1.27
33	Celf4	Glutamatergic Neurons 2	15.50	6.13E-41	3.20E-38	2.05
34	Spint2	Glutamatergic Neurons 2	15.45	6.33E-43	3.66E-40	2.10
35	Cbarp	Glutamatergic Neurons 2	15.40	8.03E-42	4.33E-39	1.96
36	Caly	Glutamatergic Neurons 2	15.32	4.62E-39	2.07E-36	1.99
37	Ly6h	Glutamatergic Neurons 2	14.92	5.73E-37	2.15E-34	1.96
38	Rorb	Glutamatergic Neurons 2	14.55	9.46E-40	4.50E-37	2.58
39	Maged1	Glutamatergic Neurons 2	14.49	1.33E-37	5.50E-35	1.68
40	Zcchc12	Glutamatergic Neurons 2	14.42	3.15E-37	1.21E-34	1.91
41	Cirbp	Glutamatergic Neurons 2	14.42	2.72E-38	1.16E-35	1.63
42	Calm2	Glutamatergic Neurons 2	14.40	3.10E-35	1.02E-32	1.23
43	Gng3	Glutamatergic Neurons 2	14.35	2.13E-37	8.61E-35	1.92
44	Ywhah	Glutamatergic Neurons 2	14.34	2.17E-35	7.30E-33	1.63
45	Snhg11	Glutamatergic Neurons 2	14.29	2.88E-34	8.62E-32	2.55
46	Gprasp2	Glutamatergic Neurons 2	14.22	7.42E-37	2.73E-34	1.81
47	Flrt3	Glutamatergic Neurons 2	14.20	1.02E-36	3.68E-34	3.03
48	Zwint	Glutamatergic Neurons 2	14.17	2.26E-34	6.88E-32	1.80
49	Prps1	Glutamatergic Neurons 2	13.99	2.20E-37	8.66E-35	1.97
50	Vamp2	Glutamatergic Neurons 2	13.95	8.79E-35	2.84E-32	1.62
51	Pnck	Glutamatergic Neurons 2	13.79	1.68E-35	5.77E-33	1.78
52	Rpl37	Glutamatergic Neurons 2	13.76	1.98E-33	5.82E-31	1.24
53	Ahi1	Glutamatergic Neurons 2	13.76	3.37E-33	9.56E-31	1.85
54	Celf3	Glutamatergic Neurons 2	13.71	5.25E-36	1.84E-33	2.28
55	Tagln3	Glutamatergic Neurons 2	13.67	1.99E-34	6.19E-32	1.77
56	Nap1l5	Glutamatergic Neurons 2	13.66	1.98E-32	5.33E-30	1.73
57	Kcnip2	Glutamatergic Neurons 2	13.48	2.56E-33	7.39E-31	3.24
58	Ap1ar	Glutamatergic Neurons 2	13.42	1.01E-34	3.21E-32	2.16
59	Rpl9	Glutamatergic Neurons 2	13.40	3.71E-32	9.68E-30	1.22
60	Rps27	Glutamatergic Neurons 2	13.34	6.14E-32	1.53E-29	1.26
61	Rpl35a	Glutamatergic Neurons 2	13.34	5.16E-32	1.30E-29	1.25
62	Fhl2	Glutamatergic Neurons 2	13.21	2.86E-31	6.51E-29	4.11
63	Eif4a2	Glutamatergic Neurons 2	13.16	8.30E-32	2.03E-29	1.22
64	Rps19	Glutamatergic Neurons 2	13.03	8.07E-31	1.70E-28	1.25
65	Gpx3	Glutamatergic Neurons 2	12.98	5.55E-33	1.55E-30	2.06
66	Syndig1	Glutamatergic Neurons 2	12.98	1.09E-31	2.63E-29	3.13
67	Gap43	Glutamatergic Neurons 2	12.96	1.92E-31	4.43E-29	1.83
68	Vat1	Glutamatergic Neurons 2	12.91	1.56E-32	4.29E-30	1.71

69	Pfdn5	Glutamatergic Neurons 2	12.89	7.21E-31	1.53E-28	1.21
70	Morf4l2	Glutamatergic Neurons 2	12.89	3.86E-32	9.89E-30	1.42
71	Ccnd2	Glutamatergic Neurons 2	12.85	2.40E-32	6.36E-30	2.49
72	Eef1g	Glutamatergic Neurons 2	12.81	1.34E-30	2.67E-28	1.20
73	Rpl17	Glutamatergic Neurons 2	12.72	7.95E-30	1.44E-27	1.16
74	Bex1	Glutamatergic Neurons 2	12.69	3.18E-31	7.14E-29	1.73
75	Syt1	Glutamatergic Neurons 2	12.63	1.41E-30	2.77E-28	1.91
76	Celf6	Glutamatergic Neurons 2	12.63	1.20E-31	2.86E-29	1.97
77	Nptxr	Glutamatergic Neurons 2	12.63	1.54E-31	3.61E-29	2.07
78	Cxx1a	Glutamatergic Neurons 2	12.62	4.33E-30	8.15E-28	1.41
79	Rpl41	Glutamatergic Neurons 2	12.59	2.62E-29	4.55E-27	1.03
80	Sh3bp1	Glutamatergic Neurons 2	12.51	1.81E-30	3.52E-28	1.63
81	Dynll2	Glutamatergic Neurons 2	12.51	1.77E-29	3.15E-27	1.41
82	Ubb	Glutamatergic Neurons 2	12.47	8.18E-30	1.47E-27	0.73
83	A730017C20Rik	Glutamatergic Neurons 2	12.45	1.32E-30	2.67E-28	1.72
84	Rogdi	Glutamatergic Neurons 2	12.42	1.24E-30	2.55E-28	1.62
85	Grm5	Glutamatergic Neurons 2	12.41	9.34E-31	1.94E-28	2.04
86	1700086L19Rik	Glutamatergic Neurons 2	12.39	2.48E-29	4.36E-27	3.05
87	Rpl13a	Glutamatergic Neurons 2	12.38	2.04E-28	3.30E-26	1.06
88	Snrpn	Glutamatergic Neurons 2	12.35	2.55E-28	4.04E-26	1.49
89	Pnmal1	Glutamatergic Neurons 2	12.32	2.20E-30	4.23E-28	1.94
90	Rpl14	Glutamatergic Neurons 2	12.31	3.15E-28	4.89E-26	1.07
91	Stmn2	Glutamatergic Neurons 2	12.29	5.35E-29	9.10E-27	1.69
92	Rab3a	Glutamatergic Neurons 2	12.28	3.18E-28	4.89E-26	1.57
93	Hs6st2	Glutamatergic Neurons 2	12.25	6.99E-30	1.28E-27	2.33
94	Syt5	Glutamatergic Neurons 2	12.23	6.02E-30	1.12E-27	1.84
95	Rpl19	Glutamatergic Neurons 2	12.21	3.67E-28	5.60E-26	1.04
96	Mrfap1	Glutamatergic Neurons 2	12.18	8.87E-29	1.49E-26	1.10
97	Sepw1	Glutamatergic Neurons 2	12.18	4.94E-28	7.33E-26	1.12
98	Rps25	Glutamatergic Neurons 2	12.12	1.13E-27	1.63E-25	1.13
99	2700029M09Rik	Glutamatergic Neurons 2	12.01	5.20E-29	8.95E-27	1.88
100	Rps24	Glutamatergic Neurons 2	12.00	2.06E-27	2.93E-25	1.16
1	Sncb	GABAergic Neurons 1	48.52	1.21E-299	1.96E-295	3.38
2	Atp6v1g2	GABAergic Neurons 1	46.57	6.81E-281	5.50E-277	3.02
3	Snap25	GABAergic Neurons 1	45.61	7.68E-260	4.14E-256	3.04
4	Gad2	GABAergic Neurons 1	41.78	1.28E-253	5.16E-250	3.28
5	Chd3os	GABAergic Neurons 1	40.82	4.94E-239	1.60E-235	2.73
6	Rab3a	GABAergic Neurons 1	38.74	6.74E-199	1.09E-195	2.49
7	Snrpn	GABAergic Neurons 1	38.68	1.36E-193	1.83E-190	2.35
8	Mllt11	GABAergic Neurons 1	38.34	4.01E-202	8.10E-199	2.52
9	Stmn3	GABAergic Neurons 1	37.60	2.66E-185	2.53E-182	2.45
10	Gng3	GABAergic Neurons 1	37.04	4.22E-199	7.58E-196	2.50

11	Nap1l5	GABAergic Neurons 1	36.94	7.50E-183	6.38E-180	2.44
12	Zwint	GABAergic Neurons 1	36.80	6.08E-182	4.92E-179	2.45
13	Usmg5	GABAergic Neurons 1	36.65	1.14E-189	1.32E-186	1.98
14	Vsnl1	GABAergic Neurons 1	36.45	1.10E-209	2.96E-206	2.76
15	Camk2n2	GABAergic Neurons 1	36.33	4.21E-203	9.71E-200	2.45
16	Cend1	GABAergic Neurons 1	35.36	1.26E-198	1.86E-195	2.40
17	Nsg2	GABAergic Neurons 1	34.97	2.52E-192	3.13E-189	2.41
18	Serp2	GABAergic Neurons 1	34.83	3.63E-187	3.67E-184	2.29
19	Atpif1	GABAergic Neurons 1	34.65	1.32E-171	6.29E-169	1.90
20	Gap43	GABAergic Neurons 1	34.46	2.69E-181	2.07E-178	2.54
21	Vamp2	GABAergic Neurons 1	34.45	2.67E-173	1.35E-170	2.08
22	Tmsb10	GABAergic Neurons 1	34.34	6.53E-171	3.02E-168	2.33
23	Ndr4	GABAergic Neurons 1	34.33	4.18E-181	3.08E-178	2.33
24	Atp5g1	GABAergic Neurons 1	34.26	8.37E-176	4.83E-173	1.77
25	Tagln3	GABAergic Neurons 1	34.19	4.08E-176	2.44E-173	2.27
26	Sult4a1	GABAergic Neurons 1	34.08	4.27E-185	3.84E-182	2.32
27	Cox5a	GABAergic Neurons 1	34.05	1.68E-179	1.09E-176	1.78
28	Syt1	GABAergic Neurons 1	33.91	4.24E-188	4.57E-185	2.83
29	Gabarapl1	GABAergic Neurons 1	33.70	3.37E-172	1.65E-169	1.96
30	Atp5g3	GABAergic Neurons 1	33.51	1.22E-173	6.39E-171	1.91
31	Basp1	GABAergic Neurons 1	33.46	8.93E-170	4.01E-167	2.24
32	Gad1	GABAergic Neurons 1	33.23	7.57E-181	5.32E-178	2.79
33	Ywhah	GABAergic Neurons 1	33.23	6.53E-161	2.25E-158	2.01
34	Ndufa4	GABAergic Neurons 1	33.08	6.11E-166	2.53E-163	1.54
35	Impact	GABAergic Neurons 1	33.02	3.80E-166	1.62E-163	2.13
36	Bend6	GABAergic Neurons 1	32.87	1.39E-180	9.40E-178	2.70
37	Dynll2	GABAergic Neurons 1	32.76	9.10E-163	3.34E-160	1.91
38	Rgs17	GABAergic Neurons 1	32.71	2.04E-178	1.27E-175	2.44
39	Nrsn1	GABAergic Neurons 1	32.65	1.53E-175	8.51E-173	2.42
40	Cox7b	GABAergic Neurons 1	32.40	2.33E-164	8.97E-162	1.79
41	Cox8a	GABAergic Neurons 1	32.36	1.68E-157	5.22E-155	1.35
42	Nrxn3	GABAergic Neurons 1	32.34	1.27E-174	6.84E-172	2.46
43	Cox5b	GABAergic Neurons 1	32.32	2.03E-161	7.30E-159	1.55
44	Stmn2	GABAergic Neurons 1	32.28	2.12E-161	7.45E-159	2.28
45	Prkar1b	GABAergic Neurons 1	32.13	4.25E-165	1.72E-162	2.15
46	Uchl1	GABAergic Neurons 1	32.04	1.94E-158	6.15E-156	2.14
47	Sh3bp1	GABAergic Neurons 1	31.61	1.23E-160	4.13E-158	2.09
48	Thy1	GABAergic Neurons 1	31.44	1.11E-168	4.87E-166	2.54
49	Atp5j2	GABAergic Neurons 1	31.34	3.58E-153	1.07E-150	1.51
50	Nsf	GABAergic Neurons 1	31.29	1.93E-164	7.62E-162	2.16
51	Calm2	GABAergic Neurons 1	31.07	1.48E-146	3.47E-144	1.43
52	Cxx1a	GABAergic Neurons 1	31.04	4.81E-152	1.37E-149	1.82
53	2900011008Rik	GABAergic Neurons 1	31.03	5.17E-163	1.94E-160	2.21

54	Celf4	GABAergic Neurons 1	30.81	1.40E-150	3.85E-148	2.22
55	Peg3	GABAergic Neurons 1	30.71	4.22E-152	1.22E-149	2.08
56	Slc32a1	GABAergic Neurons 1	30.67	2.98E-159	9.63E-157	2.67
57	Atp1b1	GABAergic Neurons 1	30.61	1.94E-145	4.24E-143	2.41
58	Chchd10	GABAergic Neurons 1	30.55	6.45E-147	1.53E-144	2.17
59	Nsg1	GABAergic Neurons 1	30.55	5.01E-146	1.14E-143	2.01
60	Vstm2l	GABAergic Neurons 1	30.47	7.42E-160	2.45E-157	2.69
61	Meg3	GABAergic Neurons 1	30.47	1.05E-141	2.10E-139	3.26
62	Ndufa5	GABAergic Neurons 1	30.40	6.38E-147	1.53E-144	1.65
63	Stxbp1	GABAergic Neurons 1	30.38	1.48E-154	4.52E-152	2.06
64	Ywhab	GABAergic Neurons 1	30.35	6.98E-149	1.79E-146	1.76
65	Fkbp3	GABAergic Neurons 1	30.32	3.62E-148	9.14E-146	1.75
66	Tspyl4	GABAergic Neurons 1	30.31	5.64E-153	1.66E-150	1.97
67	Snhg11	GABAergic Neurons 1	30.18	4.58E-139	8.45E-137	2.97
68	Bex2	GABAergic Neurons 1	30.13	1.10E-140	2.15E-138	2.12
69	Tpi1	GABAergic Neurons 1	30.06	4.11E-146	9.48E-144	1.72
70	Nme1	GABAergic Neurons 1	30.01	2.38E-145	5.13E-143	1.71
71	Ywhag	GABAergic Neurons 1	30.00	6.64E-151	1.85E-148	1.95
72	Nrsn2	GABAergic Neurons 1	29.96	3.55E-144	7.36E-142	2.21
73	Hras	GABAergic Neurons 1	29.75	1.75E-150	4.71E-148	1.91
74	Bex1	GABAergic Neurons 1	29.54	1.51E-145	3.34E-143	2.08
75	Rpl22l1	GABAergic Neurons 1	29.42	3.46E-137	6.22E-135	1.72
76	Fxyd6	GABAergic Neurons 1	29.37	6.58E-146	1.48E-143	2.18
77	2210016L21Rik	GABAergic Neurons 1	29.36	6.06E-145	1.27E-142	1.82
78	Ctxn2	GABAergic Neurons 1	29.22	1.87E-150	4.97E-148	2.43
79	Prdx5	GABAergic Neurons 1	29.19	7.71E-142	1.56E-139	1.63
80	Scn1b	GABAergic Neurons 1	29.15	9.61E-150	2.51E-147	2.27
81	Ndufb8	GABAergic Neurons 1	29.14	1.58E-139	3.00E-137	1.47
82	Cox6b1	GABAergic Neurons 1	29.11	4.60E-139	8.45E-137	1.35
83	Habp4	GABAergic Neurons 1	29.05	5.84E-148	1.45E-145	2.11
84	Eef1a2	GABAergic Neurons 1	29.05	2.81E-139	5.28E-137	2.01
85	Pnmal2	GABAergic Neurons 1	28.98	3.69E-137	6.56E-135	2.00
86	Ina	GABAergic Neurons 1	28.88	3.97E-147	9.72E-145	2.22
87	Gm1673	GABAergic Neurons 1	28.77	1.82E-137	3.31E-135	1.88
88	Map7d2	GABAergic Neurons 1	28.70	9.58E-141	1.89E-138	1.90
89	Tmem91	GABAergic Neurons 1	28.62	3.10E-145	6.60E-143	2.28
90	Ndufab1	GABAergic Neurons 1	28.59	9.25E-136	1.61E-133	1.57
91	Ngfrap1	GABAergic Neurons 1	28.48	4.55E-131	7.00E-129	1.79
92	Cycs	GABAergic Neurons 1	28.32	1.44E-136	2.52E-134	1.63
93	Timm8b	GABAergic Neurons 1	28.31	8.01E-134	1.32E-131	1.68
94	Ndufc1	GABAergic Neurons 1	28.31	1.51E-134	2.57E-132	1.62
95	Araf	GABAergic Neurons 1	28.30	9.43E-133	1.48E-130	1.74
96	6330403K07Rik	GABAergic Neurons 1	28.20	2.63E-128	3.83E-126	2.15

97	Cox6c	GABAergic Neurons 1	28.20	5.01E-131	7.65E-129	1.29
98	Ttc3	GABAergic Neurons 1	28.13	8.13E-125	1.08E-122	2.06
99	Eno2	GABAergic Neurons 1	28.09	8.02E-140	1.54E-137	2.13
100	Ndufa11	GABAergic Neurons 1	27.97	2.02E-130	3.03E-128	1.49
1	Gap43	GABAergic Neurons 2	24.27	2.68E-79	4.33E-75	2.61
2	Bex2	GABAergic Neurons 2	22.28	2.06E-69	5.56E-66	2.37
3	Rpl22l1	GABAergic Neurons 2	21.98	8.72E-70	2.82E-66	1.97
4	Nap1l5	GABAergic Neurons 2	21.65	6.78E-67	1.22E-63	2.30
5	Nrsn2	GABAergic Neurons 2	21.54	4.83E-70	1.95E-66	2.38
6	6330403K07Rik	GABAergic Neurons 2	21.51	3.25E-67	6.57E-64	2.49
7	Bex1	GABAergic Neurons 2	21.40	2.89E-71	2.03E-67	2.23
8	Hap1	GABAergic Neurons 2	21.26	1.13E-68	2.62E-65	2.24
9	Zcchc12	GABAergic Neurons 2	21.03	3.77E-71	2.03E-67	2.36
10	Ly6h	GABAergic Neurons 2	20.58	5.88E-64	8.65E-61	2.31
11	Ngfrap1	GABAergic Neurons 2	20.35	2.65E-62	2.85E-59	1.93
12	Mllt11	GABAergic Neurons 2	20.05	2.07E-63	2.79E-60	2.14
13	Caly	GABAergic Neurons 2	19.53	1.34E-59	1.21E-56	2.15
14	Celf4	GABAergic Neurons 2	19.52	2.08E-60	1.98E-57	2.15
15	Spint2	GABAergic Neurons 2	19.50	2.18E-65	3.53E-62	2.25
16	Tagln3	GABAergic Neurons 2	19.49	1.10E-62	1.27E-59	2.10
17	Zwint	GABAergic Neurons 2	19.46	3.53E-58	3.00E-55	2.09
18	A730017C20Rik	GABAergic Neurons 2	18.89	2.73E-61	2.76E-58	2.04
19	Ngb	GABAergic Neurons 2	18.88	3.74E-63	4.65E-60	2.40
20	Uchl1	GABAergic Neurons 2	18.69	7.51E-57	5.78E-54	1.96
21	Ywhah	GABAergic Neurons 2	18.67	3.27E-55	1.99E-52	1.79
22	Ndn	GABAergic Neurons 2	18.57	6.70E-55	3.87E-52	2.02
23	Tmem130	GABAergic Neurons 2	18.26	4.44E-57	3.59E-54	2.03
24	Rab3a	GABAergic Neurons 2	18.13	7.51E-54	3.57E-51	1.94
25	Resp18	GABAergic Neurons 2	18.13	1.73E-54	9.63E-52	2.26
26	Pnck	GABAergic Neurons 2	18.03	1.64E-56	1.15E-53	1.93
27	Snrpn	GABAergic Neurons 2	18.00	2.82E-52	1.23E-49	1.81
28	Gm1673	GABAergic Neurons 2	17.91	3.32E-55	1.99E-52	1.84
29	Gng3	GABAergic Neurons 2	17.91	2.02E-54	1.09E-51	1.97
30	Pcsk1n	GABAergic Neurons 2	17.82	3.49E-53	1.61E-50	1.76
31	Ctxn1	GABAergic Neurons 2	17.73	1.05E-56	7.69E-54	2.08
32	Snhg11	GABAergic Neurons 2	17.72	4.90E-50	1.93E-47	2.70
33	Wbp5	GABAergic Neurons 2	17.68	6.54E-54	3.21E-51	1.64
34	Sh3bp1	GABAergic Neurons 2	17.63	4.70E-54	2.45E-51	1.85
35	Cnih2	GABAergic Neurons 2	17.61	4.04E-56	2.72E-53	2.05
36	Ahi1	GABAergic Neurons 2	17.52	1.10E-50	4.43E-48	2.01
37	Gpx3	GABAergic Neurons 2	17.39	1.58E-55	1.02E-52	2.33
38	Stmn3	GABAergic Neurons 2	17.32	1.96E-49	6.88E-47	1.87

39	Fxyd6	GABAergic Neurons 2	17.31	1.00E-51	4.26E-49	1.94
40	Calm2	GABAergic Neurons 2	17.16	4.80E-49	1.58E-46	1.26
41	Nrsn1	GABAergic Neurons 2	17.16	6.27E-54	3.17E-51	2.10
42	Prkar1b	GABAergic Neurons 2	17.13	2.04E-52	9.14E-50	1.86
43	Ttc3	GABAergic Neurons 2	17.09	5.21E-48	1.50E-45	1.95
44	Rpl3	GABAergic Neurons 2	17.03	3.60E-49	1.24E-46	1.21
45	Vamp2	GABAergic Neurons 2	17.02	7.06E-50	2.65E-47	1.68
46	Nsg1	GABAergic Neurons 2	16.97	4.37E-49	1.47E-46	1.77
47	Pnmal2	GABAergic Neurons 2	16.83	6.62E-49	2.14E-46	1.81
48	Stmn2	GABAergic Neurons 2	16.64	1.55E-48	4.72E-46	1.89
49	Npas4	GABAergic Neurons 2	16.62	1.01E-50	4.20E-48	3.08
50	Rit2	GABAergic Neurons 2	16.61	5.25E-50	2.02E-47	1.85
51	Eif4a2	GABAergic Neurons 2	16.56	5.30E-48	1.50E-45	1.31
52	Araf	GABAergic Neurons 2	16.54	3.53E-48	1.04E-45	1.60
53	Tmsb10	GABAergic Neurons 2	16.48	1.27E-46	3.12E-44	1.81
54	Scg2	GABAergic Neurons 2	16.45	1.07E-48	3.38E-46	2.35
55	Sub1	GABAergic Neurons 2	16.41	2.20E-47	5.83E-45	1.38
56	Nrxn3	GABAergic Neurons 2	16.38	1.03E-49	3.77E-47	1.98
57	Zcchc18	GABAergic Neurons 2	16.37	1.11E-46	2.77E-44	1.70
58	Gad2	GABAergic Neurons 2	16.33	1.60E-49	5.76E-47	2.24
59	Eef1a2	GABAergic Neurons 2	16.30	2.01E-47	5.41E-45	1.78
60	Serp2	GABAergic Neurons 2	16.20	2.27E-48	6.80E-46	1.81
61	Podxl2	GABAergic Neurons 2	16.16	7.89E-47	1.99E-44	1.75
62	Eef1g	GABAergic Neurons 2	16.09	7.17E-46	1.68E-43	1.28
63	Nme1	GABAergic Neurons 2	16.09	4.10E-46	9.89E-44	1.46
64	Nenf	GABAergic Neurons 2	16.05	4.21E-47	1.10E-44	1.48
65	Atpif1	GABAergic Neurons 2	16.04	2.16E-45	4.93E-43	1.47
66	Celf6	GABAergic Neurons 2	16.04	1.33E-48	4.13E-46	2.01
67	Arhgdig	GABAergic Neurons 2	16.00	1.34E-47	3.73E-45	1.83
68	Tmx4	GABAergic Neurons 2	15.84	4.52E-46	1.07E-43	1.68
69	Hpcal1	GABAergic Neurons 2	15.81	1.78E-47	4.86E-45	2.34
70	Pfdn2	GABAergic Neurons 2	15.70	3.25E-44	7.01E-42	1.37
71	Pcp4	GABAergic Neurons 2	15.64	7.72E-47	1.98E-44	2.34
72	Rpl9	GABAergic Neurons 2	15.58	4.99E-43	9.96E-41	1.23
73	Dynll2	GABAergic Neurons 2	15.55	1.83E-43	3.74E-41	1.48
74	Gad1	GABAergic Neurons 2	15.50	2.55E-45	5.73E-43	2.11
75	Impact	GABAergic Neurons 2	15.49	4.65E-44	9.90E-42	1.68
76	Prmt2	GABAergic Neurons 2	15.41	5.03E-44	1.06E-41	1.56
77	Pnmal1	GABAergic Neurons 2	15.39	1.26E-45	2.92E-43	1.98
78	Peg3	GABAergic Neurons 2	15.39	1.58E-43	3.28E-41	1.69
79	Rgs17	GABAergic Neurons 2	15.34	2.84E-45	6.29E-43	1.94
80	2900011008Rik	GABAergic Neurons 2	15.33	6.84E-45	1.49E-42	1.79
81	Gprasp2	GABAergic Neurons 2	15.23	6.57E-43	1.29E-40	1.66

82	Snap47	GABAergic Neurons 2	15.12	1.51E-42	2.90E-40	1.53
83	Cirbp	GABAergic Neurons 2	14.99	4.59E-42	8.34E-40	1.42
84	Nsg2	GABAergic Neurons 2	14.99	7.00E-43	1.36E-40	1.76
85	Cxx1a	GABAergic Neurons 2	14.96	4.31E-41	7.42E-39	1.42
86	Gabarapl1	GABAergic Neurons 2	14.92	2.12E-41	3.69E-39	1.45
87	Pcbd1	GABAergic Neurons 2	14.90	2.92E-43	5.91E-41	1.93
88	B630019K06Rik	GABAergic Neurons 2	14.88	4.33E-42	7.95E-40	1.74
89	Rtn1	GABAergic Neurons 2	14.85	1.58E-39	2.37E-37	1.03
90	Cbarp	GABAergic Neurons 2	14.84	1.58E-41	2.77E-39	1.67
91	Basp1	GABAergic Neurons 2	14.80	1.22E-40	1.97E-38	1.65
92	Rpl35a	GABAergic Neurons 2	14.80	1.61E-39	2.39E-37	1.18
93	Atp6v1g2	GABAergic Neurons 2	14.74	8.54E-41	1.42E-38	1.73
94	Pianp	GABAergic Neurons 2	14.72	3.99E-42	7.42E-40	1.75
95	Mtch1	GABAergic Neurons 2	14.71	9.28E-40	1.43E-37	1.30
96	Rpl17	GABAergic Neurons 2	14.69	4.72E-39	6.75E-37	1.14
97	Rpl37	GABAergic Neurons 2	14.68	1.74E-39	2.56E-37	1.15
98	Usmg5	GABAergic Neurons 2	14.67	9.71E-40	1.48E-37	1.34
99	RP23-407N2.2	GABAergic Neurons 2	14.66	1.04E-41	1.84E-39	1.76
100	Syt4	GABAergic Neurons 2	14.66	1.21E-40	1.97E-38	1.78
1	mt-Nd1	Mixed Neurons	59.07	0.00E+00	0.00E+00	1.96
2	Gaa	Mixed Neurons	51.67	0.00E+00	0.00E+00	2.92
3	mt-Co3	Mixed Neurons	48.72	0.00E+00	0.00E+00	1.53
4	Syp	Mixed Neurons	48.21	0.00E+00	0.00E+00	2.87
5	mt-Cytb	Mixed Neurons	47.65	0.00E+00	0.00E+00	1.55
6	mt-Nd4	Mixed Neurons	46.65	0.00E+00	0.00E+00	1.62
7	Meg3	Mixed Neurons	44.75	1.68E-258	6.04E-256	3.92
8	Atp1b1	Mixed Neurons	44.62	5.19E-277	2.27E-274	2.94
9	Serinc1	Mixed Neurons	44.43	7.63E-292	4.57E-289	1.93
10	Snhg11	Mixed Neurons	44.28	4.59E-258	1.55E-255	3.61
11	Tmem59l	Mixed Neurons	43.86	5.88E-292	3.80E-289	2.69
12	Clstn3	Mixed Neurons	43.78	2.90E-296	2.13E-293	2.89
13	Ttc3	Mixed Neurons	41.98	4.77E-246	1.26E-243	2.59
14	Chgb	Mixed Neurons	40.78	6.64E-269	2.62E-266	2.79
15	Atp1a3	Mixed Neurons	40.65	7.84E-268	3.02E-265	2.67
16	Rtn1	Mixed Neurons	40.44	1.70E-240	4.15E-238	1.51
17	Ube3a	Mixed Neurons	39.98	5.78E-258	1.91E-255	2.22
18	mt-Co2	Mixed Neurons	39.81	4.49E-256	1.42E-253	1.34
19	Pld3	Mixed Neurons	39.08	3.69E-252	1.08E-249	2.49
20	Slc22a17	Mixed Neurons	38.89	2.64E-242	6.76E-240	2.01
21	Ache	Mixed Neurons	38.23	3.74E-236	8.89E-234	2.93
22	mt-Nd2	Mixed Neurons	37.42	1.22E-231	2.73E-229	1.39
23	Gabrg2	Mixed Neurons	36.91	2.17E-221	4.07E-219	2.97



24	Chga	Mixed Neurons	36.86	1.05E-228	2.30E-226	2.75
25	mt-Atp6	Mixed Neurons	36.65	1.05E-226	2.15E-224	1.20
26	Scg2	Mixed Neurons	36.50	2.76E-226	5.57E-224	3.07
27	Maged1	Mixed Neurons	36.29	1.22E-219	2.22E-217	2.03
28	Atp6ap2	Mixed Neurons	36.16	3.98E-223	7.67E-221	1.92
29	Map1b	Mixed Neurons	36.06	8.58E-213	1.42E-210	2.30
30	Gria2	Mixed Neurons	35.57	2.64E-216	4.59E-214	2.31
31	mt-Co1	Mixed Neurons	35.55	5.05E-214	8.51E-212	1.18
32	Resp18	Mixed Neurons	33.50	6.60E-193	9.36E-191	2.48
33	Syt4	Mixed Neurons	33.22	2.48E-195	3.58E-193	2.46
34	Ahi1	Mixed Neurons	32.92	5.48E-183	7.15E-181	2.23
35	Gpm6a	Mixed Neurons	32.73	1.48E-185	1.97E-183	2.03
36	Sv2a	Mixed Neurons	32.06	2.85E-184	3.77E-182	2.07
37	Ndn	Mixed Neurons	31.78	4.54E-172	5.60E-170	2.04
38	Podxl2	Mixed Neurons	31.09	3.64E-174	4.52E-172	2.07
39	Zcchc18	Mixed Neurons	30.49	5.31E-164	6.13E-162	1.88
40	Scn2a1	Mixed Neurons	30.17	3.34E-165	3.92E-163	2.34
41	Caly	Mixed Neurons	30.03	1.36E-162	1.55E-160	2.11
42	mt-Nd3	Mixed Neurons	29.65	5.27E-162	5.96E-160	1.69
43	Scg5	Mixed Neurons	29.62	1.36E-159	1.50E-157	1.75
44	Gprasp2	Mixed Neurons	29.59	1.46E-160	1.64E-158	1.97
45	Disp2	Mixed Neurons	29.03	1.66E-153	1.75E-151	2.37
46	Cadm1	Mixed Neurons	29.02	2.50E-156	2.71E-154	1.81
47	Zcchc12	Mixed Neurons	28.48	5.67E-150	5.76E-148	2.01
48	Pgrmc1	Mixed Neurons	27.95	2.77E-143	2.60E-141	1.68
49	Slc12a5	Mixed Neurons	27.94	1.15E-143	1.10E-141	2.41
50	Tecr	Mixed Neurons	27.84	2.12E-143	2.01E-141	1.34
51	Alg2	Mixed Neurons	27.40	3.46E-141	3.18E-139	1.96
52	Baiap3	Mixed Neurons	27.31	1.61E-138	1.43E-136	2.30
53	Faim2	Mixed Neurons	27.19	9.34E-138	8.25E-136	1.69
54	Magee1	Mixed Neurons	27.19	1.20E-138	1.07E-136	2.05
55	Kif1a	Mixed Neurons	26.91	2.38E-137	2.08E-135	1.66
56	Cbarp	Mixed Neurons	26.66	5.30E-135	4.46E-133	1.87
57	Dpp6	Mixed Neurons	26.25	9.39E-131	7.63E-129	2.05
58	Dnm1	Mixed Neurons	26.15	4.27E-130	3.46E-128	2.09
59	Ncdn	Mixed Neurons	26.14	4.63E-130	3.72E-128	2.02
60	5330434G04Rik	Mixed Neurons	25.96	4.30E-127	3.33E-125	2.21
61	Ptprn	Mixed Neurons	25.96	5.08E-129	4.06E-127	1.99
62	Rasgrf1	Mixed Neurons	25.93	4.36E-128	3.45E-126	2.09
63	Celf4	Mixed Neurons	25.93	1.02E-126	7.88E-125	1.85
64	Slc32a1	Mixed Neurons	25.90	1.96E-124	1.47E-122	2.78
65	Ndr4	Mixed Neurons	25.81	7.24E-128	5.71E-126	1.88
66	Atl1	Mixed Neurons	25.76	5.25E-125	4.00E-123	2.21

67	Tubb2a	Mixed Neurons	25.63	1.72E-126	1.32E-124	1.76
68	Kcnq1ot1	Mixed Neurons	25.39	1.91E-124	1.43E-122	1.74
69	Psap	Mixed Neurons	25.37	3.42E-122	2.51E-120	0.97
70	Hap1	Mixed Neurons	25.00	1.92E-119	1.38E-117	1.75
71	Syngn3	Mixed Neurons	24.89	3.92E-120	2.84E-118	1.90
72	Syt1	Mixed Neurons	24.83	1.47E-119	1.06E-117	2.22
73	Unc80	Mixed Neurons	24.79	4.93E-118	3.40E-116	2.04
74	Gprasp1	Mixed Neurons	24.55	2.55E-117	1.75E-115	1.66
75	Tmem130	Mixed Neurons	24.28	4.07E-115	2.77E-113	1.85
76	mt-Nd5	Mixed Neurons	24.21	2.04E-114	1.37E-112	1.39
77	Gabra2	Mixed Neurons	24.17	2.20E-112	1.45E-110	2.20
78	Clstn1	Mixed Neurons	24.00	8.44E-113	5.61E-111	1.57
79	Grin1	Mixed Neurons	23.97	1.69E-109	1.07E-107	2.30
80	Nsg1	Mixed Neurons	23.97	4.10E-111	2.68E-109	1.61
81	Gabra1	Mixed Neurons	23.90	1.58E-109	1.01E-107	2.32
82	Camk2b	Mixed Neurons	23.75	1.32E-110	8.50E-109	1.83
83	Mdh1	Mixed Neurons	23.57	7.04E-108	4.40E-106	1.25
84	Syn2	Mixed Neurons	23.49	1.15E-108	7.25E-107	1.79
85	Ly6h	Mixed Neurons	23.39	1.14E-104	7.00E-103	1.65
86	Matk	Mixed Neurons	23.37	1.75E-106	1.09E-104	2.02
87	Peg3	Mixed Neurons	23.24	1.57E-105	9.70E-104	1.59
88	Ckmt1	Mixed Neurons	23.03	3.28E-104	2.00E-102	1.97
89	Lrfn5	Mixed Neurons	22.68	7.84E-100	4.59E-98	2.26
90	Cd200	Mixed Neurons	22.54	4.43E-101	2.62E-99	1.55
91	Plppr3	Mixed Neurons	22.51	1.16E-97	6.51E-96	2.32
92	Stmn3	Mixed Neurons	22.38	9.79E-98	5.51E-96	1.55
93	Pkm	Mixed Neurons	22.37	1.89E-99	1.10E-97	1.09
94	B4gat1	Mixed Neurons	22.29	6.95E-99	3.96E-97	1.57
95	Syt5	Mixed Neurons	22.16	1.95E-97	1.09E-95	1.91
96	Itfg1	Mixed Neurons	22.11	1.20E-97	6.70E-96	1.44
97	Got1	Mixed Neurons	22.08	2.38E-97	1.32E-95	1.67
98	Usp29	Mixed Neurons	22.00	2.38E-96	1.30E-94	1.84
99	Cyp46a1	Mixed Neurons	22.00	3.95E-94	2.08E-92	2.28
100	Cadm3	Mixed Neurons	21.96	2.68E-95	1.44E-93	1.94
1	Dlk1	AVP Neurons	36.93	2.82E-138	4.56E-134	5.18
2	Rora	AVP Neurons	27.90	7.38E-98	5.96E-94	3.88
3	Rit2	AVP Neurons	26.05	7.94E-85	2.57E-81	2.94
4	Six3	AVP Neurons	25.64	9.63E-89	5.19E-85	3.83
5	B630019K06Rik	AVP Neurons	25.39	4.35E-86	1.76E-82	3.08
6	Rorb	AVP Neurons	24.68	6.77E-84	1.82E-80	3.83
7	Scg2	AVP Neurons	23.99	8.24E-81	1.90E-77	4.02
8	Vgf	AVP Neurons	22.19	2.45E-73	4.96E-70	4.01

9	Pnmal2	AVP Neurons	21.78	3.33E-66	5.97E-63	2.65
10	Bex2	AVP Neurons	20.92	3.31E-57	4.46E-54	2.61
11	Trp53i11	AVP Neurons	20.36	7.61E-63	1.23E-59	3.40
12	Dner	AVP Neurons	19.60	5.14E-62	7.55E-59	2.53
13	Six6	AVP Neurons	19.31	8.03E-54	9.28E-51	4.85
14	Rgs16	AVP Neurons	19.23	3.10E-52	2.79E-49	5.11
15	Pgrmc1	AVP Neurons	18.95	5.69E-54	7.07E-51	2.21
16	Ndn	AVP Neurons	18.80	3.72E-50	2.73E-47	2.37
17	Tesc	AVP Neurons	18.60	4.98E-52	4.23E-49	4.07
18	Ngfrap1	AVP Neurons	18.35	8.32E-51	6.72E-48	2.11
19	Nnat	AVP Neurons	18.05	2.01E-53	2.03E-50	3.21
20	Celf6	AVP Neurons	17.70	1.40E-53	1.51E-50	2.58
21	Avp	AVP Neurons	17.66	1.91E-47	1.29E-44	4.94
22	Pea15a	AVP Neurons	17.65	9.61E-53	9.14E-50	1.99
23	Zic1	AVP Neurons	17.42	9.15E-51	7.05E-48	3.41
24	Eef1a2	AVP Neurons	17.20	1.25E-48	8.76E-46	2.18
25	Sub1	AVP Neurons	17.14	1.35E-46	8.37E-44	1.66
26	Ptprn	AVP Neurons	16.57	2.04E-47	1.32E-44	2.18
27	Cdh13	AVP Neurons	16.21	1.11E-45	6.63E-43	2.94
28	Pkib	AVP Neurons	15.97	8.16E-45	4.55E-42	2.96
29	Syt4	AVP Neurons	15.87	6.09E-44	3.18E-41	2.25
30	Cbarp	AVP Neurons	15.85	2.87E-43	1.45E-40	2.03
31	Pcsk2	AVP Neurons	15.83	3.44E-45	1.99E-42	2.42
32	Bex1	AVP Neurons	15.81	3.52E-43	1.72E-40	2.06
33	Dbpht2	AVP Neurons	15.79	5.29E-44	2.85E-41	2.95
34	Snhg11	AVP Neurons	15.54	1.83E-38	8.00E-36	2.82
35	Nms	AVP Neurons	15.38	2.87E-37	1.10E-34	7.29
36	Rpl10	AVP Neurons	15.25	2.61E-39	1.21E-36	1.48
37	Avpi1	AVP Neurons	15.20	3.60E-40	1.71E-37	3.11
38	Meg3	AVP Neurons	15.01	2.82E-36	9.70E-34	2.94
39	Ubb	AVP Neurons	14.93	9.55E-39	4.29E-36	0.87
40	Zwint	AVP Neurons	14.76	2.31E-36	8.12E-34	1.91
41	Ywhah	AVP Neurons	14.66	1.08E-37	4.62E-35	1.78
42	Nrsn2	AVP Neurons	14.53	2.03E-37	8.01E-35	2.03
43	Map1b	AVP Neurons	14.51	1.31E-37	5.31E-35	2.01
44	B3gat2	AVP Neurons	14.30	1.21E-36	4.35E-34	3.20
45	Gng3	AVP Neurons	14.28	3.05E-37	1.15E-34	1.97
46	Vat1	AVP Neurons	14.21	1.12E-37	4.63E-35	1.87
47	Stmn2	AVP Neurons	14.14	9.43E-36	3.18E-33	1.93
48	Eef1a1	AVP Neurons	14.11	1.02E-34	3.11E-32	1.10
49	Rpl3	AVP Neurons	14.11	9.41E-35	2.93E-32	1.20
50	Vamp2	AVP Neurons	14.11	2.20E-35	7.27E-33	1.68
51	Nrxn3	AVP Neurons	14.00	8.02E-37	2.95E-34	2.03

52	Klf5	AVP Neurons	13.92	8.95E-34	2.50E-31	4.11
53	Rpl22l1	AVP Neurons	13.90	5.34E-34	1.54E-31	1.54
54	Lingo1	AVP Neurons	13.68	5.58E-35	1.80E-32	2.58
55	Chodl	AVP Neurons	13.66	5.15E-33	1.30E-30	3.95
56	Ccdc109b	AVP Neurons	13.64	1.55E-32	3.86E-30	4.33
57	Ppp1r17	AVP Neurons	13.55	8.15E-35	2.59E-32	3.12
58	Nrip3	AVP Neurons	13.53	1.92E-33	5.16E-31	3.07
59	Gprasp2	AVP Neurons	13.49	1.01E-33	2.77E-31	1.75
60	Spint2	AVP Neurons	13.48	1.06E-34	3.17E-32	1.96
61	Uchl1	AVP Neurons	13.47	4.69E-33	1.22E-30	1.75
62	Nap1l5	AVP Neurons	13.43	1.93E-31	4.60E-29	1.73
63	Pde2a	AVP Neurons	13.33	8.81E-34	2.50E-31	2.64
64	Cnih2	AVP Neurons	13.33	2.51E-34	7.37E-32	1.97
65	Tmem130	AVP Neurons	13.28	2.96E-33	7.85E-31	1.84
66	Hap1	AVP Neurons	13.06	1.26E-31	3.04E-29	1.75
67	Gad1	AVP Neurons	13.05	4.76E-33	1.22E-30	2.20
68	Rpl41	AVP Neurons	13.00	1.87E-30	3.99E-28	1.07
69	Syt10	AVP Neurons	12.81	3.46E-30	7.26E-28	3.61
70	Arl4a	AVP Neurons	12.75	5.55E-32	1.36E-29	2.03
71	Rasd1	AVP Neurons	12.64	1.55E-30	3.35E-28	3.16
72	Hmgb3	AVP Neurons	12.63	1.18E-30	2.58E-28	2.40
73	Plekhh2	AVP Neurons	12.62	2.45E-31	5.66E-29	1.68
74	Zfhx3	AVP Neurons	12.60	2.23E-31	5.23E-29	2.24
75	Rab3b	AVP Neurons	12.60	3.85E-31	8.52E-29	2.39
76	Prr13	AVP Neurons	12.59	2.75E-31	6.25E-29	1.67
77	Bicap	AVP Neurons	12.57	3.29E-31	7.38E-29	1.71
78	Ahi1	AVP Neurons	12.54	5.15E-29	9.69E-27	1.75
79	Mllt11	AVP Neurons	12.50	6.57E-30	1.36E-27	1.73
80	Rpl13a	AVP Neurons	12.43	1.04E-28	1.91E-26	1.10
81	Hprt	AVP Neurons	12.37	3.55E-29	6.82E-27	1.44
82	Celf4	AVP Neurons	12.34	4.20E-29	7.99E-27	1.74
83	Tle4	AVP Neurons	12.22	1.51E-29	3.01E-27	2.27
84	RP23-407N2.2	AVP Neurons	12.17	1.26E-29	2.55E-27	1.84
85	Vipr2	AVP Neurons	12.14	1.00E-26	1.50E-24	5.92
86	Akap17b	AVP Neurons	12.05	4.75E-28	8.43E-26	2.80
87	Resp18	AVP Neurons	12.01	3.76E-27	5.85E-25	1.80
88	A730017C20Rik	AVP Neurons	11.97	1.24E-28	2.25E-26	1.71
89	1700086L19Rik	AVP Neurons	11.96	1.10E-27	1.81E-25	2.98
90	Mdh1	AVP Neurons	11.95	9.77E-28	1.63E-25	1.27
91	Eif4a2	AVP Neurons	11.93	2.12E-27	3.39E-25	1.15
92	Rpl9	AVP Neurons	11.88	8.50E-27	1.30E-24	1.12
93	Hlf	AVP Neurons	11.85	8.32E-28	1.40E-25	2.51
94	Caly	AVP Neurons	11.85	5.77E-27	8.88E-25	1.66

95	Wbp5	AVP Neurons	11.84	5.06E-28	8.89E-26	1.45
96	Maged1	AVP Neurons	11.80	3.38E-27	5.31E-25	1.43
97	Chga	AVP Neurons	11.78	6.66E-28	1.15E-25	2.18
98	Atp1b1	AVP Neurons	11.72	2.88E-26	4.16E-24	1.78
99	Epha5	AVP Neurons	11.70	8.31E-28	1.40E-25	1.94
100	Eef1g	AVP Neurons	11.69	9.31E-27	1.41E-24	1.16
1	Otp	Neuropeptides	21.49	2.49E-52	4.02E-48	4.77
2	Pkib	Neuropeptides	18.15	2.64E-43	2.13E-39	3.92
3	Gpx3	Neuropeptides	16.61	2.04E-39	1.10E-35	3.46
4	Bex1	Neuropeptides	16.26	1.75E-32	5.65E-29	2.70
5	Nrn1	Neuropeptides	14.71	2.84E-31	6.57E-28	4.27
6	Celf6	Neuropeptides	14.63	7.30E-33	2.95E-29	2.71
7	Rpl10	Neuropeptides	14.24	5.81E-29	9.39E-26	2.04
8	Spint2	Neuropeptides	14.10	1.47E-31	3.95E-28	2.82
9	Gm1673	Neuropeptides	13.78	2.17E-28	3.20E-25	2.38
10	Tmem158	Neuropeptides	13.76	9.70E-31	1.96E-27	2.95
11	Zfos1	Neuropeptides	13.71	1.56E-30	2.80E-27	2.76
12	Bex2	Neuropeptides	13.63	2.31E-25	1.63E-22	2.54
13	Rpl3	Neuropeptides	13.51	2.38E-27	2.74E-24	1.75
14	Rit2	Neuropeptides	13.31	1.86E-27	2.48E-24	2.38
15	Cnih2	Neuropeptides	13.28	1.99E-27	2.48E-24	2.36
16	Gng3	Neuropeptides	13.10	3.27E-25	2.11E-22	2.35
17	Bex4	Neuropeptides	13.09	8.15E-27	7.75E-24	2.21
18	Mllt11	Neuropeptides	13.03	1.07E-25	8.25E-23	2.41
19	Uchl1	Neuropeptides	12.97	6.00E-25	3.73E-22	2.32
20	Rpl36al	Neuropeptides	12.96	6.42E-27	6.49E-24	2.02
21	Nenf	Neuropeptides	12.95	2.92E-26	2.41E-23	2.00
22	Rpl22l1	Neuropeptides	12.90	1.23E-24	7.08E-22	2.07
23	Resp18	Neuropeptides	12.89	2.53E-25	1.70E-22	2.82
24	Ptpn	Neuropeptides	12.72	6.62E-25	3.96E-22	2.22
25	Ctxn1	Neuropeptides	12.71	3.90E-27	4.21E-24	2.49
26	A730017C20Rik	Neuropeptides	12.65	2.98E-26	2.41E-23	2.32
27	Sec61b	Neuropeptides	12.55	2.68E-26	2.41E-23	2.10
28	Rpl37	Neuropeptides	12.54	1.31E-23	6.43E-21	1.68
29	Ly6h	Neuropeptides	12.45	9.95E-24	5.03E-21	2.49
30	Eif4a2	Neuropeptides	12.42	1.51E-24	8.43E-22	1.74
31	Eef1g	Neuropeptides	12.23	3.72E-24	1.94E-21	1.73
32	Ppa1	Neuropeptides	12.07	1.84E-25	1.35E-22	2.28
33	Ngfrap1	Neuropeptides	12.05	2.69E-22	1.12E-19	2.02
34	Tmsb10	Neuropeptides	12.02	2.07E-22	8.83E-20	2.28
35	Rps8	Neuropeptides	11.81	1.77E-22	7.74E-20	1.47
36	6330403K07Rik	Neuropeptides	11.79	3.73E-21	1.26E-18	2.39

37	Rps6	Neuropeptides	11.78	4.09E-22	1.57E-19	1.60
38	Nme1	Neuropeptides	11.69	3.25E-22	1.28E-19	1.81
39	Pcbd1	Neuropeptides	11.68	2.32E-24	1.25E-21	2.44
40	Rpl13a	Neuropeptides	11.65	1.74E-21	6.39E-19	1.50
41	Inafm1	Neuropeptides	11.62	1.36E-23	6.45E-21	2.15
42	Kcnmb4	Neuropeptides	11.43	2.80E-22	1.13E-19	3.53
43	Rpl10-ps3	Neuropeptides	11.40	4.04E-23	1.87E-20	2.03
44	1500011B03Rik	Neuropeptides	11.31	5.04E-22	1.89E-19	1.96
45	Rpl9	Neuropeptides	11.25	1.83E-20	5.09E-18	1.53
46	Adam23	Neuropeptides	11.22	1.18E-22	5.31E-20	2.85
47	Srp9	Neuropeptides	11.18	1.92E-21	6.89E-19	1.67
48	Rps11	Neuropeptides	11.18	1.18E-20	3.64E-18	1.53
49	Rpl24	Neuropeptides	11.17	1.19E-20	3.64E-18	1.38
50	Rpl6	Neuropeptides	11.13	1.63E-20	4.79E-18	1.39
51	Rpl41	Neuropeptides	11.13	2.47E-20	6.65E-18	1.36
52	Rps28	Neuropeptides	11.12	4.79E-21	1.58E-18	1.71
53	Rps27	Neuropeptides	11.10	4.20E-20	1.01E-17	1.56
54	Rpl19	Neuropeptides	11.10	3.31E-20	8.37E-18	1.38
55	Rpl11	Neuropeptides	11.08	1.77E-20	5.03E-18	1.39
56	Rps19	Neuropeptides	11.06	1.57E-20	4.69E-18	1.62
57	Atpif1	Neuropeptides	11.05	5.20E-20	1.22E-17	1.72
58	Nrsn2	Neuropeptides	11.04	3.70E-21	1.26E-18	2.27
59	Rpl17	Neuropeptides	11.04	2.85E-20	7.48E-18	1.52
60	Cbarp	Neuropeptides	11.03	5.86E-21	1.86E-18	2.03
61	Rpl21	Neuropeptides	10.99	3.05E-20	7.83E-18	1.38
62	Srp14	Neuropeptides	10.99	2.87E-20	7.48E-18	1.50
63	Rpl32	Neuropeptides	10.95	3.88E-20	9.50E-18	1.47
64	Rpl14	Neuropeptides	10.90	8.47E-20	1.88E-17	1.42
65	Rpl23	Neuropeptides	10.87	6.46E-20	1.49E-17	1.41
66	Snrpn	Neuropeptides	10.85	5.17E-19	9.41E-17	1.89
67	Nap1l5	Neuropeptides	10.85	3.55E-19	6.83E-17	2.06
68	Fkbp2	Neuropeptides	10.81	3.13E-21	1.10E-18	1.81
69	Timm8b	Neuropeptides	10.77	7.90E-20	1.77E-17	1.71
70	Rpl35a	Neuropeptides	10.77	3.03E-19	5.98E-17	1.49
71	Serp2	Neuropeptides	10.75	3.49E-20	8.69E-18	1.94
72	Tagln3	Neuropeptides	10.75	1.40E-19	2.98E-17	1.96
73	Snhg11	Neuropeptides	10.73	1.31E-18	2.12E-16	2.87
74	Atp5g1	Neuropeptides	10.60	2.38E-19	4.80E-17	1.55
75	Ssr4	Neuropeptides	10.59	5.27E-21	1.71E-18	1.84
76	Cox7a2l	Neuropeptides	10.59	6.99E-20	1.59E-17	1.61
77	Selm	Neuropeptides	10.58	1.66E-19	3.48E-17	1.63
78	Zwint	Neuropeptides	10.58	1.88E-18	2.93E-16	2.00
79	Rpl8	Neuropeptides	10.55	1.99E-19	4.12E-17	1.37

80	Rps27a	Neuropeptides	10.54	5.23E-19	9.41E-17	1.42
81	Pcsk1n	Neuropeptides	10.53	8.44E-19	1.42E-16	1.80
82	Uqcrh	Neuropeptides	10.50	6.82E-19	1.20E-16	1.46
83	Rpl27a	Neuropeptides	10.47	7.32E-19	1.26E-16	1.35
84	Nrsn1	Neuropeptides	10.46	1.71E-20	4.94E-18	2.23
85	Rpl37a	Neuropeptides	10.46	9.08E-19	1.51E-16	1.39
86	Erp29	Neuropeptides	10.41	2.38E-20	6.53E-18	1.82
87	Caly	Neuropeptides	10.41	2.09E-19	4.28E-17	2.16
88	Rps5	Neuropeptides	10.40	3.98E-19	7.40E-17	1.33
89	Gm10076	Neuropeptides	10.38	3.81E-19	7.25E-17	1.65
90	Rab26os	Neuropeptides	10.33	4.80E-20	1.14E-17	2.68
91	Rpl34	Neuropeptides	10.29	3.17E-18	4.79E-16	1.42
92	Eef1a2	Neuropeptides	10.23	2.60E-19	5.19E-17	2.01
93	Rps3a1	Neuropeptides	10.23	2.36E-18	3.61E-16	1.44
94	Sec61g	Neuropeptides	10.23	5.24E-19	9.41E-17	1.55
95	Morf4l2	Neuropeptides	10.22	8.44E-19	1.42E-16	1.56
96	Hspe1	Neuropeptides	10.22	1.45E-18	2.32E-16	1.54
97	Rps21	Neuropeptides	10.22	1.18E-18	1.93E-16	1.49
98	Gng2	Neuropeptides	10.19	1.36E-19	2.93E-17	2.00
99	Rab3a	Neuropeptides	10.18	5.40E-18	8.01E-16	1.92
100	Tceal6	Neuropeptides	10.16	1.04E-19	2.28E-17	2.09
1	Mobp	Oligodendrocytes 1	94.94	0.00E+00	0.00E+00	6.54
2	Plp1	Oligodendrocytes 1	94.92	0.00E+00	0.00E+00	8.32
3	Mbp	Oligodendrocytes 1	93.56	0.00E+00	0.00E+00	6.93
4	Cldn11	Oligodendrocytes 1	91.62	0.00E+00	0.00E+00	6.81
5	Car2	Oligodendrocytes 1	91.36	0.00E+00	0.00E+00	6.55
6	Apod	Oligodendrocytes 1	88.27	0.00E+00	0.00E+00	6.21
7	Mag	Oligodendrocytes 1	87.24	0.00E+00	0.00E+00	6.32
8	Mal	Oligodendrocytes 1	86.24	0.00E+00	0.00E+00	6.15
9	Ptgds	Oligodendrocytes 1	86.24	0.00E+00	0.00E+00	7.84
10	Sept4	Oligodendrocytes 1	85.15	0.00E+00	0.00E+00	5.63
11	Cryab	Oligodendrocytes 1	84.59	0.00E+00	0.00E+00	6.07
12	Ermn	Oligodendrocytes 1	83.86	0.00E+00	0.00E+00	5.93
13	Mog	Oligodendrocytes 1	83.71	0.00E+00	0.00E+00	6.01
14	Cnp	Oligodendrocytes 1	83.17	0.00E+00	0.00E+00	6.09
15	Enpp2	Oligodendrocytes 1	82.62	0.00E+00	0.00E+00	5.38
16	Trf	Oligodendrocytes 1	81.91	0.00E+00	0.00E+00	6.56
17	Opalin	Oligodendrocytes 1	80.13	0.00E+00	0.00E+00	6.03
18	Qdpr	Oligodendrocytes 1	77.72	0.00E+00	0.00E+00	5.02
19	Csrp1	Oligodendrocytes 1	76.07	0.00E+00	0.00E+00	5.10
20	Gatm	Oligodendrocytes 1	75.40	0.00E+00	0.00E+00	5.15
21	Plp	Oligodendrocytes 1	73.20	0.00E+00	0.00E+00	5.08

22	Ppp1r14a	Oligodendrocytes 1	72.32	0.00E+00	0.00E+00	5.55
23	Tubb4a	Oligodendrocytes 1	71.37	0.00E+00	0.00E+00	4.57
24	Aspa	Oligodendrocytes 1	70.72	0.00E+00	0.00E+00	5.47
25	Gpr37	Oligodendrocytes 1	70.08	0.00E+00	0.00E+00	4.95
26	Pex5l	Oligodendrocytes 1	69.54	0.00E+00	0.00E+00	5.08
27	Slain1	Oligodendrocytes 1	67.44	0.00E+00	0.00E+00	4.66
28	Fth1	Oligodendrocytes 1	66.79	0.00E+00	0.00E+00	3.48
29	Kctd13	Oligodendrocytes 1	65.17	0.00E+00	0.00E+00	4.07
30	Desi1	Oligodendrocytes 1	63.88	0.00E+00	0.00E+00	4.41
31	Gpm6b	Oligodendrocytes 1	61.83	0.00E+00	0.00E+00	4.18
32	Aplp1	Oligodendrocytes 1	61.05	0.00E+00	0.00E+00	4.02
33	Evi2a	Oligodendrocytes 1	60.87	0.00E+00	0.00E+00	4.72
34	Tspan2	Oligodendrocytes 1	60.74	0.00E+00	0.00E+00	4.60
35	Rnf13	Oligodendrocytes 1	60.72	0.00E+00	0.00E+00	3.74
36	Josd2	Oligodendrocytes 1	59.52	0.00E+00	0.00E+00	3.85
37	Fez1	Oligodendrocytes 1	58.70	0.00E+00	0.00E+00	3.35
38	Stmn4	Oligodendrocytes 1	58.69	0.00E+00	0.00E+00	3.77
39	Ndrgr1	Oligodendrocytes 1	58.65	0.00E+00	0.00E+00	4.14
40	Glul	Oligodendrocytes 1	57.51	0.00E+00	0.00E+00	4.35
41	Ugt8a	Oligodendrocytes 1	57.42	0.00E+00	0.00E+00	4.88
42	Cmtm5	Oligodendrocytes 1	57.01	0.00E+00	0.00E+00	4.23
43	Il33	Oligodendrocytes 1	56.55	0.00E+00	0.00E+00	5.32
44	Rnf7	Oligodendrocytes 1	56.09	0.00E+00	0.00E+00	3.05
45	Bin1	Oligodendrocytes 1	55.57	0.00E+00	0.00E+00	3.59
46	Sept7	Oligodendrocytes 1	55.51	0.00E+00	0.00E+00	2.97
47	Tnfaip6	Oligodendrocytes 1	55.41	0.00E+00	0.00E+00	4.89
48	Taldo1	Oligodendrocytes 1	54.99	0.00E+00	0.00E+00	3.31
49	Slc44a1	Oligodendrocytes 1	54.96	0.00E+00	0.00E+00	4.22
50	Slc48a1	Oligodendrocytes 1	54.16	0.00E+00	0.00E+00	3.47
51	Sec11c	Oligodendrocytes 1	53.83	0.00E+00	0.00E+00	3.18
52	Olig1	Oligodendrocytes 1	53.04	0.00E+00	0.00E+00	4.38
53	Ywhaq	Oligodendrocytes 1	52.15	6.10E-297	1.59E-294	2.55
54	Ttll7	Oligodendrocytes 1	51.61	0.00E+00	0.00E+00	3.57
55	Kcna1	Oligodendrocytes 1	50.00	0.00E+00	0.00E+00	4.46
56	Hapln2	Oligodendrocytes 1	49.56	2.07E-303	5.57E-301	5.21
57	Fa2h	Oligodendrocytes 1	48.75	0.00E+00	4.79E-306	4.69
58	Efhd1	Oligodendrocytes 1	48.43	2.67E-305	7.44E-303	4.58
59	Tmeff2	Oligodendrocytes 1	48.41	0.00E+00	0.00E+00	3.86
60	Cers2	Oligodendrocytes 1	48.07	0.00E+00	0.00E+00	3.56
61	Psat1	Oligodendrocytes 1	46.80	7.09E-304	1.94E-301	3.77
62	Tmem151a	Oligodendrocytes 1	46.42	8.80E-301	2.33E-298	3.48
63	Sirt2	Oligodendrocytes 1	46.28	2.15E-284	5.03E-282	3.07
64	Tmem88b	Oligodendrocytes 1	46.27	3.40E-280	7.86E-278	4.75



65	Carhsp1	Oligodendrocytes 1	46.06	5.80E-296	1.49E-293	3.80
66	Grb14	Oligodendrocytes 1	45.98	2.34E-289	5.82E-287	4.20
67	Gjc3	Oligodendrocytes 1	45.77	6.52E-288	1.57E-285	4.31
68	Gltp	Oligodendrocytes 1	45.35	5.08E-292	1.28E-289	3.61
69	Vmp1	Oligodendrocytes 1	44.99	3.14E-288	7.68E-286	2.97
70	Litaf	Oligodendrocytes 1	44.91	9.21E-287	2.19E-284	3.94
71	Pdlim2	Oligodendrocytes 1	44.58	2.59E-271	5.81E-269	4.55
72	Etv1	Oligodendrocytes 1	44.48	3.46E-268	7.57E-266	4.43
73	Lamp1	Oligodendrocytes 1	44.34	1.33E-249	2.41E-247	2.37
74	Lgi3	Oligodendrocytes 1	44.10	3.57E-278	8.13E-276	3.75
75	Gjb1	Oligodendrocytes 1	44.04	3.94E-262	8.05E-260	4.80
76	Hcn2	Oligodendrocytes 1	43.45	4.35E-264	9.14E-262	4.10
77	Phgdh	Oligodendrocytes 1	43.22	2.83E-265	6.03E-263	3.46
78	Plekhb1	Oligodendrocytes 1	43.00	5.54E-271	1.23E-268	3.35
79	Gprc5b	Oligodendrocytes 1	42.42	1.53E-266	3.29E-264	3.43
80	Lpar1	Oligodendrocytes 1	42.36	8.63E-256	1.66E-253	4.23
81	Edil3	Oligodendrocytes 1	42.15	1.75E-262	3.62E-260	3.27
82	Tsc22d4	Oligodendrocytes 1	42.12	1.04E-256	2.08E-254	3.09
83	Klf13	Oligodendrocytes 1	41.67	1.02E-259	2.05E-257	2.96
84	Bnip3l	Oligodendrocytes 1	41.65	2.99E-256	5.90E-254	2.57
85	Ptp4a1	Oligodendrocytes 1	41.24	4.05E-256	7.88E-254	2.81
86	Mapk8ip1	Oligodendrocytes 1	41.12	5.12E-255	9.74E-253	2.83
87	Sept8	Oligodendrocytes 1	40.97	3.02E-252	5.56E-250	3.15
88	Sez6l2	Oligodendrocytes 1	40.87	2.86E-252	5.31E-250	2.86
89	Nkx6-2	Oligodendrocytes 1	40.85	2.30E-252	4.32E-250	3.82
90	Wscd1	Oligodendrocytes 1	40.47	2.89E-246	5.20E-244	3.35
91	Gsn	Oligodendrocytes 1	40.14	7.34E-246	1.30E-243	3.79
92	Syt11	Oligodendrocytes 1	40.10	2.94E-226	4.71E-224	2.31
93	Arpc1a	Oligodendrocytes 1	40.06	8.71E-244	1.53E-241	2.48
94	Rtn4	Oligodendrocytes 1	40.02	2.98E-231	4.87E-229	2.16
95	Epb41l3	Oligodendrocytes 1	40.00	1.21E-242	2.11E-240	3.06
96	Gng11	Oligodendrocytes 1	39.67	3.32E-242	5.70E-240	3.51
97	App	Oligodendrocytes 1	39.52	1.31E-215	1.96E-213	2.25
98	Qk	Oligodendrocytes 1	39.47	8.47E-234	1.41E-231	2.89
99	Ccp110	Oligodendrocytes 1	39.46	1.00E-223	1.59E-221	3.95
100	Degs1	Oligodendrocytes 1	39.16	2.06E-237	3.50E-235	2.71
1	Mag	Oligodendrocytes 2	50.25	7.97E-179	4.30E-175	5.97
2	Mog	Oligodendrocytes 2	49.73	2.36E-187	3.82E-183	5.60
3	Cldn11	Oligodendrocytes 2	48.27	1.77E-170	4.78E-167	6.18
4	Trf	Oligodendrocytes 2	47.27	2.81E-166	4.13E-163	6.34
5	Mbp	Oligodendrocytes 2	46.79	8.66E-162	8.75E-159	6.23
6	Plp1	Oligodendrocytes 2	45.77	9.77E-155	6.58E-152	7.52

7	Mal	Oligodendrocytes 2	45.18	9.43E-165	1.17E-161	5.50
8	Cryab	Oligodendrocytes 2	44.45	4.97E-163	5.36E-160	5.59
9	Sept4	Oligodendrocytes 2	44.38	3.82E-158	3.09E-155	5.14
10	Ermn	Oligodendrocytes 2	44.07	6.57E-181	5.31E-177	5.05
11	Mobp	Oligodendrocytes 2	43.55	2.59E-163	3.00E-160	5.41
12	Qdpr	Oligodendrocytes 2	43.29	1.50E-171	4.87E-168	4.73
13	Car2	Oligodendrocytes 2	43.03	3.36E-159	2.86E-156	5.67
14	Cnp	Oligodendrocytes 2	43.00	5.16E-149	2.98E-146	5.55
15	Enpp2	Oligodendrocytes 2	42.75	1.54E-159	1.38E-156	4.76
16	Apod	Oligodendrocytes 2	41.38	1.82E-168	3.69E-165	5.19
17	Ppp1r14a	Oligodendrocytes 2	40.27	6.04E-175	2.44E-171	4.78
18	Tubb4a	Oligodendrocytes 2	39.90	1.02E-154	6.61E-152	4.22
19	Ptgds	Oligodendrocytes 2	39.77	6.16E-169	1.42E-165	6.88
20	Csrp1	Oligodendrocytes 2	39.14	2.58E-149	1.55E-146	4.56
21	Plip	Oligodendrocytes 2	38.91	2.01E-148	1.12E-145	4.52
22	Slc48a1	Oligodendrocytes 2	38.78	6.99E-166	9.41E-163	3.64
23	Stmn4	Oligodendrocytes 2	38.60	3.02E-146	1.58E-143	3.82
24	Fth1	Oligodendrocytes 2	38.59	8.76E-138	3.83E-135	3.40
25	Slain1	Oligodendrocytes 2	38.25	3.82E-168	6.18E-165	4.14
26	Aplp1	Oligodendrocytes 2	38.06	4.75E-133	1.63E-130	4.04
27	Gatm	Oligodendrocytes 2	37.81	9.75E-138	4.15E-135	4.47
28	Kctd13	Oligodendrocytes 2	37.36	1.25E-155	9.21E-153	3.72
29	Tnfaip6	Oligodendrocytes 2	36.82	2.32E-168	4.17E-165	4.60
30	Opalin	Oligodendrocytes 2	35.86	2.07E-157	1.60E-154	4.78
31	Desi1	Oligodendrocytes 2	35.71	2.81E-155	1.97E-152	3.87
32	Bin1	Oligodendrocytes 2	35.67	6.21E-144	3.14E-141	3.56
33	Ugt8a	Oligodendrocytes 2	35.49	8.65E-160	8.22E-157	4.31
34	Olig1	Oligodendrocytes 2	35.30	3.94E-134	1.42E-131	4.22
35	Taldo1	Oligodendrocytes 2	34.76	2.36E-141	1.12E-138	3.27
36	Fez1	Oligodendrocytes 2	34.73	5.19E-134	1.82E-131	3.21
37	Rnf13	Oligodendrocytes 2	34.35	2.50E-137	1.01E-134	3.43
38	Tspan2	Oligodendrocytes 2	34.08	1.62E-150	1.01E-147	4.03
39	Slc44a1	Oligodendrocytes 2	33.47	5.92E-148	3.19E-145	3.88
40	Sec11c	Oligodendrocytes 2	33.42	1.01E-136	3.87E-134	3.09
41	Ywhaq	Oligodendrocytes 2	32.98	5.01E-123	1.59E-120	2.55
42	Lgi3	Oligodendrocytes 2	32.51	1.25E-143	6.10E-141	3.72
43	Gpr37	Oligodendrocytes 2	32.12	1.52E-136	5.73E-134	3.86
44	Gsn	Oligodendrocytes 2	31.84	7.33E-140	3.39E-137	4.03
45	Gltp	Oligodendrocytes 2	31.78	1.63E-137	6.74E-135	3.59
46	Gpm6b	Oligodendrocytes 2	31.75	2.87E-117	8.28E-115	3.61
47	Cers2	Oligodendrocytes 2	31.63	9.09E-137	3.58E-134	3.43
48	Aspa	Oligodendrocytes 2	31.62	3.43E-138	1.54E-135	4.19
49	Litaf	Oligodendrocytes 2	31.20	5.71E-136	2.10E-133	3.73

50	Glul	Oligodendrocytes 2	31.16	1.37E-112	3.51E-110	3.89
51	Sept7	Oligodendrocytes 2	31.04	1.19E-120	3.57E-118	2.72
52	Sirt2	Oligodendrocytes 2	30.64	2.74E-125	9.24E-123	3.10
53	Lamp1	Oligodendrocytes 2	30.41	1.50E-114	3.98E-112	2.49
54	Phgdh	Oligodendrocytes 2	30.21	3.45E-122	1.07E-119	3.43
55	Fos	Oligodendrocytes 2	29.69	1.39E-111	3.40E-109	3.91
56	Hcn2	Oligodendrocytes 2	29.30	6.17E-124	2.04E-121	3.90
57	Cmtm5	Oligodendrocytes 2	29.09	6.16E-121	1.88E-118	3.52
58	Tmem151a	Oligodendrocytes 2	29.05	1.80E-123	5.84E-121	3.24
59	Ndrp1	Oligodendrocytes 2	28.62	9.78E-119	2.87E-116	3.40
60	Rnf7	Oligodendrocytes 2	28.52	1.37E-113	3.56E-111	2.64
61	Rtn4	Oligodendrocytes 2	27.90	1.45E-108	3.30E-106	2.27
62	Sept8	Oligodendrocytes 2	27.88	6.30E-117	1.79E-114	3.16
63	Fa2h	Oligodendrocytes 2	27.86	9.03E-116	2.52E-113	3.94
64	Plekha1	Oligodendrocytes 2	27.81	1.45E-114	3.92E-112	3.16
65	Ptma	Oligodendrocytes 2	27.66	1.57E-98	3.02E-96	2.30
66	Pex5l	Oligodendrocytes 2	27.61	5.14E-115	1.41E-112	3.67
67	Evi2a	Oligodendrocytes 2	27.18	1.24E-111	3.08E-109	3.57
68	Josd2	Oligodendrocytes 2	27.15	1.21E-111	3.06E-109	3.10
69	Pdlim2	Oligodendrocytes 2	26.97	9.93E-111	2.40E-108	3.88
70	Gprc5b	Oligodendrocytes 2	26.81	4.08E-110	9.56E-108	3.19
71	Mapk8ip1	Oligodendrocytes 2	26.75	5.40E-110	1.25E-107	2.79
72	App	Oligodendrocytes 2	26.75	8.88E-98	1.65E-95	2.31
73	Psat1	Oligodendrocytes 2	26.73	3.30E-110	7.86E-108	3.35
74	Jun	Oligodendrocytes 2	26.70	6.71E-103	1.41E-100	3.27
75	Vmp1	Oligodendrocytes 2	26.44	2.58E-107	5.80E-105	2.73
76	Ttll7	Oligodendrocytes 2	26.10	7.26E-106	1.59E-103	2.94
77	Fam177a	Oligodendrocytes 2	26.05	3.52E-106	7.79E-104	2.83
78	Gjc2	Oligodendrocytes 2	25.95	1.61E-100	3.21E-98	4.15
79	Hapln2	Oligodendrocytes 2	25.85	1.79E-102	3.62E-100	4.09
80	Il33	Oligodendrocytes 2	25.83	1.59E-104	3.43E-102	4.07
81	Lpar1	Oligodendrocytes 2	25.77	7.62E-104	1.62E-101	3.63
82	Shisa4	Oligodendrocytes 2	25.73	9.09E-103	1.88E-100	2.67
83	Sez6l2	Oligodendrocytes 2	25.48	1.45E-102	2.96E-100	2.77
84	Reep5	Oligodendrocytes 2	25.45	4.27E-97	7.76E-95	2.00
85	Tmem88b	Oligodendrocytes 2	25.34	5.08E-100	1.00E-97	3.82
86	Gjb1	Oligodendrocytes 2	25.13	9.17E-97	1.65E-94	4.09
87	Arpc1a	Oligodendrocytes 2	25.07	7.71E-98	1.47E-95	2.34
88	Carhsp1	Oligodendrocytes 2	24.95	2.82E-99	5.49E-97	3.31
89	Tsc22d4	Oligodendrocytes 2	24.90	1.20E-96	2.13E-94	2.83
90	Efhd1	Oligodendrocytes 2	24.70	3.45E-97	6.34E-95	3.63
91	Dnajb2	Oligodendrocytes 2	24.63	8.28E-98	1.56E-95	2.77
92	Etv1	Oligodendrocytes 2	24.57	1.55E-96	2.72E-94	3.61

93	Degs1	Oligodendrocytes 2	24.44	4.02E-96	6.91E-94	2.56
94	Grb14	Oligodendrocytes 2	24.40	2.09E-96	3.63E-94	3.42
95	Kcna1	Oligodendrocytes 2	24.37	6.74E-96	1.15E-93	3.45
96	Gstp1	Oligodendrocytes 2	24.23	1.42E-95	2.40E-93	2.84
97	Jund	Oligodendrocytes 2	24.22	7.94E-92	1.31E-89	2.11
98	Tmem63a	Oligodendrocytes 2	24.19	2.09E-91	3.41E-89	3.81
99	Ado	Oligodendrocytes 2	23.88	4.52E-91	7.30E-89	3.39
100	Syt11	Oligodendrocytes 2	23.71	2.12E-86	3.26E-84	2.14
1	Sirt2	COPs	18.40	7.92E-42	1.28E-37	4.27
2	Slc44a1	COPs	16.30	1.92E-35	1.55E-31	3.88
3	Plp1	COPs	16.06	5.07E-31	2.73E-27	6.50
4	Pllp	COPs	15.71	7.71E-30	1.78E-26	4.06
5	Cnp	COPs	15.51	8.92E-31	3.60E-27	4.95
6	Olig1	COPs	14.54	2.64E-28	5.34E-25	3.90
7	Cd9	COPs	14.35	4.94E-30	1.33E-26	3.95
8	Gal3st1	COPs	14.24	2.93E-30	9.48E-27	3.78
9	Qk	COPs	13.55	1.22E-25	2.19E-22	2.85
10	Gltp	COPs	12.67	4.70E-25	7.60E-22	3.01
11	Enpp2	COPs	12.11	5.07E-23	6.31E-20	3.43
12	Phyhipl	COPs	12.10	1.50E-24	2.20E-21	2.61
13	Bcas1	COPs	12.03	1.03E-22	1.19E-19	4.09
14	Jam3	COPs	11.68	2.49E-23	3.35E-20	2.73
15	Cd81	COPs	11.63	1.27E-22	1.37E-19	2.19
16	Cryab	COPs	11.58	3.59E-22	3.41E-19	3.88
17	Tmem163	COPs	11.48	6.05E-21	4.25E-18	3.89
18	Taldo1	COPs	11.43	5.71E-22	4.86E-19	2.58
19	Gjc3	COPs	11.35	1.89E-22	1.91E-19	3.34
20	Mbp	COPs	11.20	5.32E-22	4.78E-19	4.59
21	Cadm4	COPs	11.05	1.53E-21	1.23E-18	2.38
22	Fa2h	COPs	11.01	1.68E-21	1.29E-18	3.33
23	Ugt8a	COPs	10.82	5.72E-21	4.20E-18	3.24
24	Shisa4	COPs	10.75	1.21E-20	8.13E-18	2.47
25	Nfasc	COPs	10.69	4.14E-19	2.39E-16	3.59
26	Lamp1	COPs	10.66	4.35E-19	2.43E-16	1.96
27	Zeb2	COPs	10.59	3.21E-20	1.99E-17	2.68
28	Lgi3	COPs	10.58	2.52E-20	1.63E-17	2.94
29	Cldn11	COPs	10.47	6.17E-20	3.70E-17	4.64
30	Bfsp2	COPs	10.47	2.67E-18	1.31E-15	4.43
31	Golga7	COPs	10.08	6.19E-19	3.34E-16	2.45
32	Sox10	COPs	9.98	1.28E-18	6.68E-16	2.99
33	Sept7	COPs	9.97	3.33E-17	1.31E-14	1.92
34	1700047M11Rik	COPs	9.97	4.59E-18	2.01E-15	3.48

35	Chadl	COPs	9.95	6.74E-18	2.72E-15	3.12
36	Sh3gl3	COPs	9.92	5.00E-18	2.07E-15	2.82
37	Tspan2	COPs	9.90	4.84E-18	2.06E-15	3.54
38	Tspan15	COPs	9.88	3.89E-18	1.75E-15	2.99
39	Tm7sf3	COPs	9.87	2.29E-18	1.16E-15	2.50
40	Abhd17b	COPs	9.87	3.42E-18	1.61E-15	2.66
41	Degs1	COPs	9.84	3.49E-18	1.61E-15	2.24
42	Myrf	COPs	9.53	4.09E-17	1.54E-14	3.26
43	Syt11	COPs	9.46	6.52E-17	2.40E-14	1.96
44	Wscd1	COPs	9.42	4.04E-17	1.54E-14	2.45
45	Ick	COPs	9.38	1.79E-16	6.43E-14	3.28
46	Agpat4	COPs	9.16	2.27E-16	7.97E-14	2.09
47	Col9a3	COPs	9.16	4.35E-15	1.26E-12	3.99
48	Lims2	COPs	9.10	4.06E-15	1.19E-12	3.86
49	Tubb4a	COPs	9.08	4.15E-16	1.43E-13	2.70
50	Tsc22d4	COPs	9.07	4.66E-16	1.57E-13	2.35
51	Prkcq	COPs	8.98	1.71E-15	5.41E-13	3.30
52	Pcbp4	COPs	8.96	6.47E-16	2.13E-13	2.20
53	Tspan3	COPs	8.95	1.91E-15	5.81E-13	1.42
54	Fyn	COPs	8.94	1.78E-14	4.37E-12	3.68
55	Tmeff2	COPs	8.88	1.89E-15	5.81E-13	2.93
56	Arpc1a	COPs	8.81	1.66E-15	5.37E-13	1.99
57	Olig2	COPs	8.80	2.38E-15	7.14E-13	3.04
58	Mgll	COPs	8.71	8.64E-15	2.23E-12	3.10
59	Marcksl1	COPs	8.62	5.03E-15	1.43E-12	2.02
60	Josd2	COPs	8.61	5.46E-15	1.52E-12	2.43
61	Bcar1	COPs	8.58	8.95E-15	2.26E-12	2.67
62	Ap2a1	COPs	8.58	6.46E-15	1.74E-12	2.16
63	Mag	COPs	8.58	8.43E-15	2.23E-12	3.87
64	Phldb1	COPs	8.57	8.70E-15	2.23E-12	2.67
65	Lrrn1	COPs	8.54	1.02E-14	2.53E-12	2.64
66	Plekha1	COPs	8.50	3.29E-14	7.71E-12	2.84
67	Osbpl1a	COPs	8.42	1.91E-14	4.62E-12	2.36
68	Gm15440	COPs	8.37	1.65E-13	3.56E-11	3.52
69	Rap1a	COPs	8.36	2.47E-14	5.88E-12	2.11
70	Gpr17	COPs	8.33	6.79E-13	1.23E-10	5.26
71	Pcyt2	COPs	8.27	5.30E-14	1.21E-11	2.18
72	Gng12	COPs	8.24	9.13E-14	1.99E-11	2.69
73	Kazn	COPs	8.20	6.55E-14	1.47E-11	2.29
74	Deb1	COPs	8.18	7.13E-14	1.58E-11	1.99
75	Slc35b2	COPs	8.14	2.06E-13	4.33E-11	2.84
76	Ppp1r16b	COPs	8.04	1.77E-13	3.77E-11	2.63
77	Sox8	COPs	8.00	3.18E-13	6.51E-11	2.83

78	Map6d1	COPs	7.98	3.24E-13	6.51E-11	2.85
79	Zdhhc14	COPs	7.97	4.53E-13	8.32E-11	2.79
80	Tmem9b	COPs	7.96	4.49E-13	8.32E-11	1.49
81	Bin1	COPs	7.93	3.03E-13	6.28E-11	2.28
82	Cers2	COPs	7.90	3.76E-13	7.24E-11	2.38
83	Gnb4	COPs	7.89	1.11E-12	1.93E-10	2.73
84	H2afj	COPs	7.84	7.59E-13	1.36E-10	2.36
85	Rtkn	COPs	7.81	9.36E-13	1.66E-10	2.67
86	Serinc5	COPs	7.79	9.90E-13	1.74E-10	2.68
87	Kank1	COPs	7.78	2.87E-12	4.64E-10	3.48
88	Prickle1	COPs	7.78	2.29E-12	3.77E-10	3.02
89	Gatm	COPs	7.72	3.24E-12	5.19E-10	2.37
90	Lpar1	COPs	7.72	2.86E-12	4.64E-10	3.20
91	Zfp365	COPs	7.70	2.15E-12	3.59E-10	2.45
92	Ado	COPs	7.67	1.41E-12	2.39E-10	2.24
93	Cldnd1	COPs	7.56	3.59E-12	5.64E-10	1.52
94	Gamt	COPs	7.55	6.18E-12	9.43E-10	2.93
95	Plekhb1	COPs	7.55	3.35E-12	5.32E-10	2.05
96	Mapt	COPs	7.53	5.61E-12	8.64E-10	1.58
97	Chn2	COPs	7.50	9.93E-12	1.42E-09	2.94
98	Mpzl1	COPs	7.46	1.67E-11	2.31E-09	3.19
99	Ust	COPs	7.45	3.99E-11	4.85E-09	4.36
100	Tmed7	COPs	7.43	7.98E-12	1.18E-09	1.50
1	Pdgfra	OPCs	61.44	4.11E-188	1.33E-184	9.55
2	C1ql1	OPCs	61.04	5.00E-190	2.70E-186	9.22
3	Matn4	OPCs	54.57	1.28E-189	5.18E-186	7.10
4	Cspg5	OPCs	52.86	7.06E-206	1.14E-201	4.41
5	Ptprz1	OPCs	48.18	1.14E-193	9.22E-190	4.57
6	Olig1	OPCs	41.05	2.94E-147	4.76E-144	4.86
7	Lhfpl3	OPCs	40.97	6.54E-151	1.18E-147	5.34
8	Bcan	OPCs	40.56	2.10E-170	4.85E-167	4.63
9	Olig2	OPCs	40.48	1.05E-174	2.82E-171	4.97
10	Scrg1	OPCs	39.75	3.54E-166	7.16E-163	5.23
11	Serpine2	OPCs	39.63	3.55E-144	4.79E-141	4.21
12	Tmem100	OPCs	37.72	7.63E-146	1.12E-142	5.54
13	Fabp7	OPCs	33.07	3.55E-140	4.42E-137	4.57
14	Qpct	OPCs	32.65	5.02E-139	5.79E-136	3.42
15	Neu4	OPCs	30.48	1.45E-100	1.07E-97	7.79
16	Rgcc	OPCs	29.75	1.45E-122	1.56E-119	4.10
17	Gpr37l1	OPCs	29.48	2.09E-110	1.87E-107	3.77
18	Cacng4	OPCs	29.27	4.64E-104	3.95E-101	4.52
19	Cdo1	OPCs	29.00	1.34E-102	1.08E-99	4.53

20	Marcks	OPCs	28.99	6.86E-112	6.52E-109	2.86
21	Cntn1	OPCs	28.11	4.78E-114	4.83E-111	2.92
22	Vcan	OPCs	27.94	4.35E-92	2.60E-89	6.31
23	Gpr17	OPCs	27.65	1.71E-92	1.06E-89	6.85
24	Traf4	OPCs	27.08	4.48E-90	2.59E-87	5.70
25	Tnr	OPCs	26.68	1.98E-95	1.33E-92	4.25
26	S100a1	OPCs	25.86	1.40E-100	1.07E-97	3.16
27	Nxph1	OPCs	25.77	2.43E-95	1.57E-92	3.88
28	Ptn	OPCs	25.73	1.45E-87	8.07E-85	2.77
29	Luzp2	OPCs	25.32	1.05E-98	7.36E-96	3.26
30	Kcnip3	OPCs	24.09	2.54E-84	1.32E-81	4.30
31	Ccnd1	OPCs	24.03	2.89E-84	1.46E-81	3.91
32	Pcdh15	OPCs	23.47	6.62E-81	2.97E-78	3.91
33	Epn2	OPCs	22.83	1.61E-84	8.69E-82	2.89
34	S100b	OPCs	22.59	1.07E-83	5.25E-81	3.25
35	S100a16	OPCs	22.41	2.00E-81	9.50E-79	2.88
36	Chadl	OPCs	22.40	4.18E-78	1.83E-75	3.46
37	Opcml	OPCs	22.16	2.41E-81	1.11E-78	2.82
38	Cspg4	OPCs	21.74	1.55E-67	5.24E-65	6.07
39	Rpl13	OPCs	21.73	1.29E-72	4.76E-70	1.62
40	Mfsd2a	OPCs	21.73	2.79E-77	1.19E-74	3.58
41	Tsc22d1	OPCs	21.71	7.00E-73	2.63E-70	2.32
42	Sulf2	OPCs	21.55	8.85E-76	3.49E-73	3.28
43	Tspan3	OPCs	21.49	2.16E-72	7.75E-70	1.61
44	Sox10	OPCs	21.37	8.96E-77	3.72E-74	3.25
45	Emid1	OPCs	21.32	2.94E-64	8.79E-62	7.49
46	Tubb2b	OPCs	21.18	4.18E-76	1.69E-73	2.61
47	Sh3bp4	OPCs	21.05	2.72E-67	8.97E-65	4.50
48	Rlbp1	OPCs	20.80	1.06E-63	3.05E-61	5.91
49	Ramp1	OPCs	20.56	9.27E-71	3.26E-68	2.82
50	Cd9	OPCs	20.49	1.13E-65	3.59E-63	2.68
51	Plpp4	OPCs	20.37	3.39E-63	9.61E-61	4.69
52	3110035E14Rik	OPCs	20.20	1.51E-60	3.99E-58	6.06
53	Tmem176b	OPCs	20.09	7.81E-70	2.69E-67	2.44
54	Xylt1	OPCs	20.04	4.47E-63	1.25E-60	4.24
55	Ugdh	OPCs	19.95	3.62E-65	1.10E-62	3.23
56	Tmem121	OPCs	19.72	2.74E-65	8.51E-63	2.96
57	Megf11	OPCs	19.70	2.89E-59	7.31E-57	5.26
58	Tspan6	OPCs	19.55	1.03E-66	3.35E-64	2.54
59	Susd5	OPCs	19.44	2.09E-57	4.96E-55	6.40
60	Pxdc1	OPCs	19.14	4.24E-60	1.11E-57	3.99
61	Phlda1	OPCs	19.01	8.58E-64	2.52E-61	2.79
62	Chst2	OPCs	19.00	2.67E-61	7.19E-59	3.10

63	Fam89a	OPCs	18.92	6.09E-55	1.37E-52	7.08
64	Rprm	OPCs	18.89	1.55E-59	3.97E-57	3.65
65	Ppp1r14b	OPCs	18.82	4.12E-59	1.03E-56	3.42
66	Pid1	OPCs	18.69	1.22E-61	3.33E-59	2.77
67	Car8	OPCs	18.65	2.79E-55	6.36E-53	4.78
68	Snx22	OPCs	18.57	4.25E-54	9.28E-52	5.96
69	Ncan	OPCs	18.57	1.64E-58	4.01E-56	3.50
70	C1ql2	OPCs	18.57	7.51E-56	1.76E-53	4.80
71	Brinp3	OPCs	18.21	3.83E-58	9.24E-56	2.92
72	Mmp16	OPCs	17.70	8.40E-53	1.70E-50	3.64
73	3632451006Rik	OPCs	17.68	1.21E-53	2.58E-51	3.40
74	Spry1	OPCs	17.63	3.35E-53	7.03E-51	3.79
75	Gm2a	OPCs	17.42	9.80E-56	2.26E-53	2.58
76	Snx1	OPCs	17.23	8.28E-55	1.83E-52	2.26
77	Lims2	OPCs	17.12	5.55E-53	1.15E-50	3.21
78	Lrrn1	OPCs	16.96	7.21E-53	1.47E-50	2.80
79	Gpt2	OPCs	16.83	9.39E-51	1.83E-48	3.18
80	Gjc3	OPCs	16.76	1.34E-52	2.68E-50	2.65
81	Asrgl1	OPCs	16.65	4.05E-52	7.99E-50	2.19
82	Kank1	OPCs	16.63	3.41E-48	5.93E-46	4.03
83	Nav1	OPCs	16.44	1.91E-50	3.67E-48	2.30
84	Plip	OPCs	16.44	2.52E-48	4.48E-46	2.53
85	Dbi	OPCs	16.39	1.24E-45	1.98E-43	2.22
86	Etv4	OPCs	16.32	1.14E-44	1.75E-42	6.53
87	B3gat2	OPCs	16.30	1.39E-47	2.35E-45	3.23
88	Ppib	OPCs	16.29	6.19E-50	1.15E-47	1.69
89	Dlgap1	OPCs	16.28	6.91E-50	1.27E-47	2.36
90	Gpm6b	OPCs	16.26	4.15E-46	6.92E-44	2.18
91	Tpm1	OPCs	16.26	4.62E-50	8.69E-48	2.09
92	Ncald	OPCs	16.25	4.55E-50	8.65E-48	1.98
93	Atp6v0e	OPCs	16.03	6.88E-49	1.25E-46	1.97
94	Irx1	OPCs	15.99	5.16E-44	7.80E-42	5.33
95	Mmd2	OPCs	15.97	1.74E-48	3.12E-46	2.51
96	Sdc3	OPCs	15.95	1.08E-47	1.84E-45	2.45
97	Nim1k	OPCs	15.84	7.37E-46	1.19E-43	3.22
98	Sapcd2	OPCs	15.72	7.05E-42	9.57E-40	8.98
99	Atp1a2	OPCs	15.69	4.10E-45	6.44E-43	2.45
100	Etv5	OPCs	15.42	9.27E-43	1.33E-40	3.94
1	Agt	Astrocytes	138.38	0.00E+00	0.00E+00	8.03
2	Ntsr2	Astrocytes	115.34	0.00E+00	0.00E+00	7.26
3	Slc6a11	Astrocytes	112.54	0.00E+00	0.00E+00	6.65
4	Slc1a3	Astrocytes	102.72	0.00E+00	0.00E+00	6.51



5	Plpp3	Astrocytes	88.08	0.00E+00	0.00E+00	5.68
6	Itih3	Astrocytes	81.83	0.00E+00	0.00E+00	6.76
7	Atp1a2	Astrocytes	81.11	0.00E+00	0.00E+00	5.94
8	Gja1	Astrocytes	80.75	0.00E+00	0.00E+00	5.99
9	Ndrp2	Astrocytes	80.13	0.00E+00	0.00E+00	5.24
10	Gjb6	Astrocytes	78.43	0.00E+00	0.00E+00	7.76
11	Sparcl1	Astrocytes	77.79	0.00E+00	0.00E+00	5.57
12	Aldoc	Astrocytes	77.21	0.00E+00	0.00E+00	5.17
13	Slc1a2	Astrocytes	76.93	0.00E+00	0.00E+00	5.93
14	Slc4a4	Astrocytes	76.79	0.00E+00	0.00E+00	6.81
15	Mmd2	Astrocytes	75.58	0.00E+00	0.00E+00	5.52
16	Atp1b2	Astrocytes	72.70	0.00E+00	0.00E+00	4.65
17	Cldn10	Astrocytes	71.77	0.00E+00	0.00E+00	7.35
18	Pla2g7	Astrocytes	65.87	0.00E+00	0.00E+00	6.14
19	Gpr37l1	Astrocytes	65.29	0.00E+00	0.00E+00	5.46
20	Nkain4	Astrocytes	64.00	0.00E+00	0.00E+00	5.73
21	Ttyh1	Astrocytes	62.09	0.00E+00	0.00E+00	4.59
22	Clu	Astrocytes	61.01	0.00E+00	0.00E+00	4.60
23	Acsbg1	Astrocytes	60.17	8.96E-275	5.37E-272	7.03
24	Slc7a10	Astrocytes	57.74	7.16E-263	3.99E-260	7.13
25	ApoE	Astrocytes	57.23	7.84E-255	3.84E-252	5.71
26	Ednrb	Astrocytes	56.27	2.21E-287	1.38E-284	5.78
27	F3	Astrocytes	53.91	2.49E-262	1.30E-259	6.02
28	Mt2	Astrocytes	53.25	0.00E+00	0.00E+00	4.84
29	Mlc1	Astrocytes	53.06	0.00E+00	0.00E+00	5.05
30	Cst3	Astrocytes	51.82	2.45E-236	1.04E-233	4.53
31	Ntrk2	Astrocytes	50.14	8.14E-290	5.27E-287	3.98
32	Acsl6	Astrocytes	49.73	4.96E-250	2.36E-247	4.83
33	Mt1	Astrocytes	49.14	1.15E-234	4.76E-232	4.43
34	Sparc	Astrocytes	47.66	5.20E-241	2.33E-238	4.53
35	2310022B05Rik	Astrocytes	47.59	4.08E-255	2.06E-252	4.71
36	Bcan	Astrocytes	47.51	1.99E-271	1.15E-268	4.84
37	Acsl3	Astrocytes	45.96	1.85E-262	9.95E-260	3.52
38	Gm3764	Astrocytes	45.47	7.49E-230	2.95E-227	4.92
39	Slc39a12	Astrocytes	45.13	5.45E-207	1.87E-204	6.15
40	Mfge8	Astrocytes	44.51	2.06E-238	9.01E-236	4.81
41	Serpine2	Astrocytes	43.55	3.37E-243	1.56E-240	4.03
42	Fxyd1	Astrocytes	42.15	1.92E-228	7.39E-226	4.60
43	Ptprz1	Astrocytes	41.42	2.21E-231	8.92E-229	3.93
44	Fgfr3	Astrocytes	41.06	1.44E-184	4.48E-182	6.07
45	Aqp4	Astrocytes	40.53	3.97E-197	1.34E-194	5.29
46	Slc6a1	Astrocytes	40.24	4.84E-217	1.78E-214	3.50
47	Ramp1	Astrocytes	39.55	8.68E-218	3.26E-215	3.96

48	Paqr6	Astrocytes	39.51	1.47E-179	4.25E-177	5.71
49	Slc25a18	Astrocytes	39.24	4.08E-193	1.32E-190	4.90
50	Prdx6	Astrocytes	39.09	1.04E-212	3.75E-210	3.37
51	Gstm1	Astrocytes	38.68	2.20E-210	7.75E-208	3.49
52	Enho	Astrocytes	38.55	1.26E-194	4.16E-192	3.87
53	Mgst1	Astrocytes	37.33	1.02E-178	2.90E-176	4.82
54	Id2	Astrocytes	36.92	5.47E-190	1.73E-187	4.03
55	Tril	Astrocytes	36.83	5.13E-171	1.38E-168	4.99
56	Cd81	Astrocytes	36.32	6.50E-174	1.78E-171	2.23
57	Fabp7	Astrocytes	36.06	2.12E-177	5.90E-175	4.70
58	Ckb	Astrocytes	35.72	1.84E-167	4.79E-165	2.20
59	Htra1	Astrocytes	35.47	8.48E-181	2.49E-178	3.84
60	Glud1	Astrocytes	35.40	2.12E-182	6.34E-180	3.00
61	S1pr1	Astrocytes	35.17	7.94E-167	2.04E-164	4.63
62	Tmem47	Astrocytes	35.07	1.47E-183	4.49E-181	3.41
63	Cxcl14	Astrocytes	35.06	3.38E-158	8.03E-156	5.07
64	Sdc4	Astrocytes	34.88	8.27E-166	2.09E-163	4.64
65	Slc7a11	Astrocytes	34.17	3.70E-150	8.56E-148	5.83
66	Abhd3	Astrocytes	34.11	2.04E-159	5.00E-157	4.22
67	Prnp	Astrocytes	33.80	5.31E-169	1.41E-166	2.07
68	Mt3	Astrocytes	33.64	1.06E-160	2.65E-158	3.06
69	Tlcd1	Astrocytes	33.49	4.23E-144	9.24E-142	5.65
70	Entpd2	Astrocytes	32.20	7.88E-135	1.61E-132	6.38
71	Fam213a	Astrocytes	31.98	2.70E-159	6.50E-157	2.94
72	Sepp1	Astrocytes	31.50	4.00E-144	8.87E-142	3.30
73	Cd63	Astrocytes	31.16	1.56E-148	3.56E-146	2.56
74	Gpld1	Astrocytes	31.06	1.47E-137	3.04E-135	4.21
75	Timp4	Astrocytes	30.94	6.62E-140	1.41E-137	4.21
76	Igsf1	Astrocytes	30.83	2.18E-130	4.41E-128	5.14
77	Timp3	Astrocytes	30.72	4.16E-151	9.75E-149	3.35
78	Nnat	Astrocytes	30.47	5.83E-139	1.22E-136	3.12
79	Cpe	Astrocytes	29.96	1.81E-146	4.06E-144	2.62
80	Etnppl	Astrocytes	29.52	7.10E-121	1.34E-118	6.12
81	Scd2	Astrocytes	29.40	5.07E-142	1.09E-139	2.78
82	Dbi	Astrocytes	28.38	6.88E-120	1.26E-117	2.87
83	Sfxn5	Astrocytes	28.27	6.47E-121	1.23E-118	4.02
84	Mdk	Astrocytes	28.21	1.02E-122	1.99E-120	4.01
85	Tst	Astrocytes	27.82	1.98E-115	3.44E-113	4.66
86	Pitpnc1	Astrocytes	27.47	5.98E-121	1.15E-118	3.38
87	Sox9	Astrocytes	27.06	2.22E-118	3.99E-116	4.02
88	Sox2	Astrocytes	26.61	1.22E-120	2.26E-118	2.82
89	Slc27a1	Astrocytes	26.44	1.35E-110	2.30E-108	3.78
90	Luzp2	Astrocytes	26.11	5.24E-113	9.02E-111	3.26

91	Malat1	Astrocytes	25.97	1.53E-116	2.68E-114	1.57
92	Phgdh	Astrocytes	25.91	3.25E-117	5.77E-115	2.89
93	Glul	Astrocytes	25.83	3.94E-105	6.37E-103	2.76
94	Hes5	Astrocytes	25.75	2.50E-101	3.85E-99	5.48
95	Btbd17	Astrocytes	25.36	1.71E-98	2.61E-96	5.20
96	Asrgl1	Astrocytes	25.35	2.11E-110	3.55E-108	2.75
97	Prex2	Astrocytes	25.32	1.77E-103	2.78E-101	3.97
98	Eva1a	Astrocytes	24.86	6.70E-96	9.84E-94	5.48
99	Vcam1	Astrocytes	24.70	5.10E-98	7.70E-96	4.81
100	Cd38	Astrocytes	24.69	8.72E-95	1.24E-92	5.70
1	Ctss	Microglia	186.64	0.00E+00	0.00E+00	10.28
2	C1qb	Microglia	175.68	0.00E+00	0.00E+00	10.13
3	C1qc	Microglia	167.01	0.00E+00	0.00E+00	10.08
4	Csf1r	Microglia	159.97	0.00E+00	0.00E+00	10.16
5	C1qa	Microglia	159.88	0.00E+00	0.00E+00	10.26
6	Hexb	Microglia	157.52	0.00E+00	0.00E+00	8.92
7	Fcer1g	Microglia	121.95	0.00E+00	0.00E+00	9.40
8	Tyrobp	Microglia	112.92	0.00E+00	0.00E+00	9.42
9	P2ry12	Microglia	105.73	0.00E+00	0.00E+00	10.45
10	Selplg	Microglia	103.21	3.94E-304	4.54E-301	10.44
11	Laptm5	Microglia	97.33	0.00E+00	0.00E+00	9.19
12	Fcgr3	Microglia	95.48	0.00E+00	0.00E+00	9.39
13	Trem2	Microglia	91.07	2.86E-289	2.89E-286	9.63
14	Gpr34	Microglia	84.68	6.26E-267	5.62E-264	9.88
15	Cd53	Microglia	80.44	2.17E-270	2.07E-267	9.18
16	Cx3cr1	Microglia	79.49	1.24E-249	9.12E-247	10.34
17	Tmem119	Microglia	75.39	2.62E-240	1.70E-237	10.49
18	Lgmn	Microglia	75.38	4.78E-306	5.95E-303	5.27
19	Ctsd	Microglia	75.02	0.00E+00	0.00E+00	5.30
20	Itgb5	Microglia	71.44	1.35E-292	1.45E-289	6.95
21	Pld4	Microglia	71.42	2.62E-243	1.77E-240	9.09
22	Ly86	Microglia	64.45	4.14E-220	2.23E-217	9.13
23	Siglech	Microglia	62.61	3.83E-209	1.93E-206	9.96
24	Unc93b1	Microglia	61.70	5.19E-233	3.11E-230	7.40
25	B2m	Microglia	61.01	4.79E-254	3.69E-251	5.59
26	Vsir	Microglia	60.69	8.23E-230	4.75E-227	7.20
27	Cst3	Microglia	59.53	6.65E-218	3.47E-215	6.02
28	Lpcat2	Microglia	57.15	4.10E-233	2.55E-230	6.32
29	Olfml3	Microglia	55.19	1.37E-192	6.33E-190	8.78
30	Ctsz	Microglia	54.82	7.37E-264	6.27E-261	5.13
31	Aif1	Microglia	54.36	1.18E-194	5.60E-192	8.57
32	Grn	Microglia	53.26	1.73E-246	1.21E-243	5.25

33	Rgs10	Microglia	51.96	4.70E-254	3.69E-251	4.73
34	Fcrls	Microglia	51.78	6.06E-188	2.72E-185	8.70
35	Serinc3	Microglia	48.01	2.63E-223	1.47E-220	4.05
36	Hpgds	Microglia	44.68	7.09E-164	2.80E-161	7.26
37	Cyba	Microglia	43.44	4.06E-200	1.99E-197	5.07
38	Spi1	Microglia	42.76	2.15E-152	7.54E-150	8.85
39	Tmsb4x	Microglia	41.78	3.02E-166	1.25E-163	3.44
40	Irf8	Microglia	41.18	9.59E-147	3.16E-144	8.40
41	Hpgd	Microglia	39.50	1.09E-142	3.32E-140	7.90
42	Clic1	Microglia	38.25	6.40E-177	2.80E-174	4.42
43	Ifngr1	Microglia	37.91	1.27E-153	4.66E-151	5.09
44	Hexa	Microglia	37.76	8.10E-171	3.45E-168	3.96
45	Lcp1	Microglia	37.68	8.82E-137	2.55E-134	7.41
46	Lair1	Microglia	37.65	7.74E-136	2.12E-133	7.45
47	Ptgs1	Microglia	37.57	9.57E-134	2.46E-131	8.12
48	Ier5	Microglia	37.52	5.32E-166	2.15E-163	4.68
49	Tgfb1	Microglia	37.04	7.62E-143	2.37E-140	5.92
50	F11r	Microglia	36.73	3.76E-143	1.19E-140	5.70
51	Ctsc	Microglia	36.53	2.44E-140	7.32E-138	6.29
52	Bin2	Microglia	36.45	1.07E-127	2.51E-125	9.75
53	Cd68	Microglia	36.43	4.65E-135	1.25E-132	7.19
54	Tgfb1	Microglia	35.89	2.30E-134	6.10E-132	5.99
55	Ftl1	Microglia	35.68	2.38E-154	8.93E-152	3.09
56	Ctsh	Microglia	35.37	1.89E-153	6.81E-151	4.85
57	Fam105a	Microglia	34.96	4.97E-126	1.13E-123	6.64
58	Coro1a	Microglia	34.84	1.69E-136	4.78E-134	4.72
59	Ccl3	Microglia	34.49	1.23E-121	2.56E-119	9.13
60	Anxa3	Microglia	34.39	8.58E-147	2.89E-144	5.00
61	Rnase4	Microglia	34.30	1.28E-139	3.75E-137	5.07
62	Mef2c	Microglia	34.02	3.51E-143	1.14E-140	4.51
63	Ltc4s	Microglia	33.88	1.24E-121	2.56E-119	7.67
64	Cmtm6	Microglia	33.80	1.14E-131	2.76E-129	5.13
65	Sparc	Microglia	33.74	3.45E-131	8.21E-129	4.08
66	Sepp1	Microglia	33.70	2.54E-134	6.62E-132	4.05
67	AF251705	Microglia	33.27	9.23E-117	1.78E-114	8.73
68	Man2b1	Microglia	33.21	6.04E-126	1.36E-123	5.31
69	Ly6e	Microglia	33.15	3.02E-149	1.04E-146	3.68
70	Cd14	Microglia	32.69	1.57E-115	2.95E-113	8.54
71	Cfh	Microglia	32.60	6.00E-119	1.20E-116	6.56
72	Cyth4	Microglia	32.21	8.46E-114	1.55E-111	7.73
73	Arhgdib	Microglia	32.09	1.23E-117	2.40E-115	6.13
74	Cd37	Microglia	31.77	1.18E-110	2.05E-108	8.87
75	Alox5ap	Microglia	31.60	1.50E-111	2.67E-109	7.21

76	Sirpa	Microglia	31.27	6.83E-132	1.67E-129	3.68
77	Mpeg1	Microglia	31.10	5.73E-108	9.75E-106	8.86
78	Lyn	Microglia	30.91	5.66E-110	9.74E-108	6.62
79	Npc2	Microglia	30.89	4.05E-136	1.13E-133	2.97
80	Ccl4	Microglia	30.70	5.65E-107	9.33E-105	8.90
81	Sat1	Microglia	30.68	1.37E-132	3.45E-130	3.74
82	Slco2b1	Microglia	30.67	3.40E-112	6.17E-110	5.94
83	Bcl2a1b	Microglia	30.50	2.15E-105	3.47E-103	9.75
84	Itgam	Microglia	30.47	2.48E-105	3.97E-103	9.22
85	Ctsb	Microglia	30.24	1.98E-132	4.94E-130	2.40
86	Crybb1	Microglia	29.78	1.08E-102	1.70E-100	8.91
87	Kctd12	Microglia	29.78	6.47E-112	1.16E-109	4.92
88	Psap	Microglia	29.41	1.11E-124	2.45E-122	1.78
89	Pfn1	Microglia	29.39	1.91E-127	4.42E-125	2.44
90	P2ry13	Microglia	29.22	1.09E-100	1.68E-98	8.64
91	Snx5	Microglia	29.20	5.44E-123	1.17E-120	3.28
92	Cotl1	Microglia	29.18	4.40E-120	9.01E-118	3.51
93	Cebpb	Microglia	29.13	1.21E-115	2.30E-113	4.34
94	Itm2b	Microglia	29.07	3.99E-122	8.48E-120	1.58
95	C3ar1	Microglia	28.91	9.19E-100	1.38E-97	8.56
96	Capza2	Microglia	28.76	4.17E-124	9.12E-122	2.52
97	Abi3	Microglia	28.75	1.23E-98	1.83E-96	8.51
98	Fgd2	Microglia	28.37	3.01E-97	4.42E-95	8.47
99	Arpc1b	Microglia	28.01	3.78E-119	7.64E-117	3.58
100	Ctsl	Microglia	27.79	2.44E-118	4.82E-116	2.67
1	Lyz2	Macrophages	45.79	2.61E-48	4.22E-44	10.23
2	Cd68	Macrophages	27.18	1.69E-34	1.36E-30	7.31
3	Pf4	Macrophages	26.64	1.29E-22	1.74E-19	13.81
4	Mrc1	Macrophages	25.60	3.84E-22	4.78E-19	12.68
5	Fcer1g	Macrophages	22.46	3.23E-26	1.30E-22	7.39
6	Tyrobp	Macrophages	21.90	9.60E-25	2.22E-21	7.31
7	Dab2	Macrophages	21.40	7.42E-25	2.00E-21	7.40
8	Ms4a6c	Macrophages	20.74	1.73E-20	1.55E-17	9.27
9	Stab1	Macrophages	20.49	1.35E-21	1.56E-18	8.22
10	C1qc	Macrophages	19.93	3.44E-23	5.56E-20	7.66
11	C1qb	Macrophages	19.90	4.83E-21	4.88E-18	7.57
12	Ctsc	Macrophages	19.17	6.83E-27	3.68E-23	6.67
13	C1qa	Macrophages	18.55	3.24E-24	6.56E-21	7.83
14	Ms4a7	Macrophages	18.44	5.89E-18	4.14E-15	13.15
15	Ms4a6b	Macrophages	18.27	4.39E-19	3.55E-16	8.73
16	Cyba	Macrophages	17.54	9.09E-24	1.63E-20	5.52
17	Fcrls	Macrophages	17.51	2.95E-25	9.53E-22	6.54

18	Csf1r	Macrophages	16.48	1.89E-20	1.61E-17	6.32
19	F13a1	Macrophages	16.46	1.39E-16	8.31E-14	13.78
20	Fcgr3	Macrophages	16.26	5.90E-23	8.68E-20	6.06
21	Ctsb	Macrophages	15.82	8.22E-21	7.81E-18	3.98
22	Grn	Macrophages	15.12	2.07E-21	2.23E-18	4.99
23	Ftl1	Macrophages	14.94	2.23E-17	1.39E-14	4.39
24	Cbr2	Macrophages	14.50	4.23E-15	1.80E-12	14.20
25	Lgals1	Macrophages	13.67	5.37E-16	2.71E-13	7.06
26	Ptpn18	Macrophages	13.10	4.43E-16	2.31E-13	6.43
27	Laptn5	Macrophages	13.08	7.18E-19	5.53E-16	5.41
28	C5ar1	Macrophages	13.07	2.68E-16	1.50E-13	6.86
29	Clec4n	Macrophages	12.76	1.16E-13	3.76E-11	13.65
30	B2m	Macrophages	12.73	5.08E-15	2.09E-12	4.72
31	ApoE	Macrophages	12.65	6.59E-14	2.32E-11	6.21
32	Sepp1	Macrophages	12.53	1.13E-14	4.34E-12	5.10
33	Aif1	Macrophages	12.52	1.16E-17	7.52E-15	5.73
34	Arpc1b	Macrophages	12.36	1.19E-15	5.52E-13	4.01
35	Gm10116	Macrophages	12.31	4.71E-18	3.46E-15	4.04
36	Serinc3	Macrophages	12.25	1.17E-15	5.52E-13	3.82
37	Ltc4s	Macrophages	12.25	3.35E-16	1.81E-13	6.07
38	Hexa	Macrophages	12.05	1.16E-17	7.52E-15	4.16
39	Adgre1	Macrophages	11.53	3.53E-14	1.30E-11	6.28
40	Fcgr2b	Macrophages	11.44	9.27E-14	3.12E-11	6.50
41	H2-D1	Macrophages	11.43	1.03E-15	5.03E-13	3.95
42	Wfdc17	Macrophages	11.39	1.88E-12	5.14E-10	11.95
43	Tmsb4x	Macrophages	11.23	4.15E-13	1.27E-10	3.46
44	Ctsa	Macrophages	11.22	2.32E-16	1.34E-13	3.96
45	Ctsz	Macrophages	10.87	2.52E-15	1.10E-12	3.96
46	Cd53	Macrophages	10.86	1.52E-15	6.84E-13	5.27
47	Igfbp4	Macrophages	10.85	1.07E-12	3.14E-10	6.34
48	Clec4a3	Macrophages	10.79	1.84E-12	5.14E-10	7.21
49	Unc93b1	Macrophages	10.63	5.17E-15	2.09E-12	5.12
50	Ctss	Macrophages	10.39	5.69E-14	2.04E-11	5.09
51	Gmfg	Macrophages	10.34	3.67E-12	9.27E-10	6.67
52	Maf	Macrophages	10.34	1.85E-12	5.14E-10	6.10
53	Lgmn	Macrophages	10.30	1.16E-13	3.76E-11	3.63
54	Blvrb	Macrophages	10.28	5.27E-13	1.58E-10	4.94
55	Clic1	Macrophages	10.21	1.03E-14	4.05E-12	4.20
56	Il10rb	Macrophages	10.21	2.85E-14	1.07E-11	4.43
57	Cd63	Macrophages	10.10	3.67E-12	9.27E-10	3.24
58	Rgs10	Macrophages	10.08	7.41E-14	2.55E-11	3.63
59	Ms4a6d	Macrophages	9.66	1.95E-11	4.20E-09	6.47
60	Vamp8	Macrophages	9.64	2.72E-13	8.45E-11	4.30

61	Bst2	Macrophages	9.51	2.55E-12	6.75E-10	4.89
62	Ctsh	Macrophages	9.45	2.11E-13	6.67E-11	4.31
63	Lcp1	Macrophages	9.42	1.19E-12	3.43E-10	5.11
64	P2ry6	Macrophages	9.39	2.32E-11	4.94E-09	6.08
65	Hpgd	Macrophages	9.29	4.77E-12	1.17E-09	5.37
66	Snx2	Macrophages	9.28	1.96E-12	5.29E-10	3.72
67	Itm2b	Macrophages	9.12	4.78E-12	1.17E-09	1.74
68	Sh3bgrl3	Macrophages	9.06	8.01E-12	1.91E-09	2.60
69	Pld4	Macrophages	9.01	2.67E-12	6.97E-10	4.97
70	Rps29	Macrophages	8.82	1.34E-11	3.10E-09	2.38
71	Lst1	Macrophages	8.79	2.04E-10	4.02E-08	6.02
72	Tm6sf1	Macrophages	8.70	2.89E-11	6.08E-09	4.42
73	Pfn1	Macrophages	8.70	1.46E-11	3.28E-09	2.41
74	Gas6	Macrophages	8.65	5.45E-12	1.32E-09	3.49
75	Ccl24	Macrophages	8.64	1.10E-09	2.02E-07	9.53
76	Clta	Macrophages	8.42	1.43E-11	3.25E-09	2.36
77	Asah1	Macrophages	8.42	1.19E-11	2.80E-09	3.27
78	Txnip	Macrophages	8.35	4.09E-11	8.37E-09	4.16
79	Ctsd	Macrophages	8.35	1.58E-11	3.50E-09	3.28
80	Cfh	Macrophages	8.32	1.07E-10	2.16E-08	4.86
81	Ifitm3	Macrophages	8.27	1.77E-11	3.87E-09	4.08
82	Plin2	Macrophages	8.25	4.87E-10	9.15E-08	4.90
83	Pmp22	Macrophages	8.11	3.26E-11	6.76E-09	3.44
84	Nrros	Macrophages	8.02	1.43E-09	2.57E-07	5.61
85	Ly86	Macrophages	7.81	1.59E-10	3.17E-08	4.48
86	Cd36	Macrophages	7.74	1.12E-08	1.70E-06	8.53
87	Cyth4	Macrophages	7.64	1.55E-09	2.72E-07	4.91
88	Snx5	Macrophages	7.55	2.96E-10	5.69E-08	2.92
89	Vcam1	Macrophages	7.48	5.36E-09	8.59E-07	5.21
90	Lilrb4a	Macrophages	7.47	2.20E-08	3.11E-06	8.77
91	Ifitm2	Macrophages	7.43	2.78E-09	4.69E-07	4.50
92	Arpc2	Macrophages	7.40	5.69E-10	1.06E-07	2.37
93	Tgfbi	Macrophages	7.38	1.96E-08	2.80E-06	6.48
94	Fcgrt	Macrophages	7.32	1.83E-09	3.17E-07	4.10
95	Rnase4	Macrophages	7.31	1.47E-09	2.61E-07	3.94
96	Npc2	Macrophages	7.25	1.19E-09	2.15E-07	2.59
97	Dse	Macrophages	7.25	2.68E-08	3.69E-06	6.05
98	Cd48	Macrophages	7.22	2.31E-08	3.24E-06	6.04
99	Smagp	Macrophages	7.18	2.51E-08	3.50E-06	5.61
100	Tmem106a	Macrophages	7.16	4.00E-08	5.34E-06	6.37
1	Cldn5	Endothelial Cells	170.76	0.00E+00	0.00E+00	10.08
2	Ly6c1	Endothelial Cells	164.24	0.00E+00	0.00E+00	9.61

3	Flt1	Endothelial Cells	130.21	0.00E+00	0.00E+00	9.05
4	Itm2a	Endothelial Cells	116.92	0.00E+00	0.00E+00	8.52
5	Ly6a	Endothelial Cells	115.54	0.00E+00	0.00E+00	9.53
6	Slco1a4	Endothelial Cells	98.77	0.00E+00	0.00E+00	9.79
7	Igfbp7	Endothelial Cells	89.21	0.00E+00	0.00E+00	7.49
8	Bsg	Endothelial Cells	88.11	0.00E+00	0.00E+00	4.83
9	Esam	Endothelial Cells	83.69	0.00E+00	0.00E+00	7.55
10	Hspb1	Endothelial Cells	77.79	0.00E+00	0.00E+00	7.08
11	Ramp2	Endothelial Cells	76.37	0.00E+00	0.00E+00	6.50
12	Slc2a1	Endothelial Cells	73.44	0.00E+00	0.00E+00	5.47
13	Slc9a3r2	Endothelial Cells	73.24	0.00E+00	0.00E+00	5.52
14	Slco1c1	Endothelial Cells	72.23	1.56E-302	1.20E-299	7.70
15	Pglyrp1	Endothelial Cells	72.18	7.39E-281	4.98E-278	9.03
16	Pltp	Endothelial Cells	71.05	0.00E+00	0.00E+00	6.09
17	Sgms1	Endothelial Cells	68.66	0.00E+00	0.00E+00	5.42
18	Id3	Endothelial Cells	67.20	0.00E+00	0.00E+00	6.33
19	Klf2	Endothelial Cells	63.70	0.00E+00	0.00E+00	6.24
20	Vwa1	Endothelial Cells	63.42	0.00E+00	0.00E+00	5.44
21	Ifitm3	Endothelial Cells	63.34	0.00E+00	0.00E+00	6.05
22	Abcg2	Endothelial Cells	62.80	8.83E-281	5.71E-278	6.45
23	Egfl7	Endothelial Cells	60.90	0.00E+00	0.00E+00	4.98
24	Id1	Endothelial Cells	59.40	4.70E-258	2.45E-255	7.00
25	Ly6e	Endothelial Cells	58.05	4.40E-296	3.23E-293	4.41
26	Cd34	Endothelial Cells	57.44	1.77E-266	1.02E-263	6.50
27	Eng	Endothelial Cells	57.07	3.48E-253	1.66E-250	6.72
28	Slc7a5	Endothelial Cells	55.49	3.70E-245	1.71E-242	6.33
29	Lsr	Endothelial Cells	54.11	2.09E-215	8.24E-213	9.05
30	Emcn	Endothelial Cells	53.78	3.70E-218	1.49E-215	8.48
31	Epas1	Endothelial Cells	53.45	9.53E-263	5.31E-260	5.59
32	Myl12a	Endothelial Cells	53.17	2.73E-289	1.92E-286	4.15
33	Tsc22d1	Endothelial Cells	52.14	2.29E-255	1.12E-252	3.78
34	Srgn	Endothelial Cells	51.74	1.42E-273	8.81E-271	5.62
35	Wfdc1	Endothelial Cells	50.91	3.25E-207	1.22E-204	8.10
36	Crip2	Endothelial Cells	49.52	3.29E-256	1.66E-253	3.74
37	Adgrl4	Endothelial Cells	49.29	1.77E-197	5.97E-195	9.37
38	Spock2	Endothelial Cells	49.27	7.37E-270	4.41E-267	3.99
39	Foxq1	Endothelial Cells	48.65	3.57E-195	1.11E-192	9.24
40	Pcp4l1	Endothelial Cells	47.49	1.34E-259	7.20E-257	4.58
41	Abcb1a	Endothelial Cells	47.46	5.13E-190	1.54E-187	9.28
42	Acvrl1	Endothelial Cells	47.23	6.73E-195	2.05E-192	7.58
43	Kank3	Endothelial Cells	47.13	7.67E-199	2.64E-196	6.50
44	Adgrf5	Endothelial Cells	46.30	1.04E-187	3.05E-185	8.19
45	Tpm4	Endothelial Cells	45.43	4.78E-227	2.09E-224	4.49



46	Fcgrt	Endothelial Cells	45.39	1.31E-214	5.05E-212	5.53
47	Pecam1	Endothelial Cells	45.23	3.03E-187	8.59E-185	7.24
48	9430020K01Rik	Endothelial Cells	43.88	1.80E-178	4.70E-176	7.89
49	H2-D1	Endothelial Cells	43.04	4.42E-230	1.98E-227	3.87
50	Ifitm2	Endothelial Cells	42.97	1.37E-202	4.83E-200	5.35
51	Anxa3	Endothelial Cells	42.20	7.07E-219	2.93E-216	4.93
52	Sptbn1	Endothelial Cells	41.93	3.74E-221	1.59E-218	3.00
53	Ltbp4	Endothelial Cells	41.48	1.58E-177	4.05E-175	5.74
54	Lef1	Endothelial Cells	41.30	1.58E-169	3.60E-167	7.04
55	Cxcl12	Endothelial Cells	41.20	9.30E-170	2.15E-167	7.40
56	Ccdc141	Endothelial Cells	41.01	1.84E-177	4.64E-175	6.04
57	Fxyd5	Endothelial Cells	40.67	2.34E-168	5.25E-166	6.82
58	Lmo2	Endothelial Cells	40.60	8.50E-196	2.75E-193	4.82
59	Sdpr	Endothelial Cells	40.55	2.75E-176	6.75E-174	5.57
60	Kitl	Endothelial Cells	40.54	5.11E-170	1.20E-167	6.34
61	Ptprb	Endothelial Cells	40.41	2.81E-187	8.11E-185	4.57
62	Slc22a8	Endothelial Cells	40.41	1.33E-165	2.87E-163	7.69
63	B2m	Endothelial Cells	40.41	2.05E-197	6.78E-195	4.06
64	Car4	Endothelial Cells	40.22	4.85E-166	1.06E-163	7.56
65	Ocln	Endothelial Cells	39.92	3.67E-173	8.86E-171	5.77
66	Rasip1	Endothelial Cells	39.77	1.51E-161	3.06E-159	7.18
67	Fn1	Endothelial Cells	39.51	2.40E-159	4.74E-157	7.91
68	Nfkbia	Endothelial Cells	39.44	7.38E-205	2.65E-202	4.15
69	Ablim1	Endothelial Cells	38.73	5.88E-182	1.56E-179	4.44
70	Ctla2a	Endothelial Cells	38.63	2.89E-156	5.56E-154	7.62
71	Arhgap31	Endothelial Cells	38.47	7.27E-183	1.96E-180	4.59
72	Atox1	Endothelial Cells	38.05	1.00E-195	3.17E-193	2.86
73	Sox17	Endothelial Cells	37.83	1.69E-150	3.03E-148	9.07
74	Cdh5	Endothelial Cells	37.36	3.52E-148	6.12E-146	9.46
75	Tinagl1	Endothelial Cells	37.21	3.95E-153	7.42E-151	7.12
76	Tspan13	Endothelial Cells	36.91	1.58E-186	4.41E-184	2.87
77	Vim	Endothelial Cells	36.79	3.75E-185	1.03E-182	4.25
78	Degs2	Endothelial Cells	36.60	4.43E-145	7.46E-143	8.94
79	Sema3c	Endothelial Cells	36.52	1.76E-151	3.28E-149	6.03
80	Arl4a	Endothelial Cells	35.89	4.40E-177	1.09E-174	3.52
81	Prom1	Endothelial Cells	35.08	3.44E-140	5.56E-138	7.52
82	Bcam	Endothelial Cells	35.07	6.50E-155	1.24E-152	4.84
83	Il10rb	Endothelial Cells	34.94	3.32E-161	6.63E-159	4.56
84	Mpzl1	Endothelial Cells	34.74	5.99E-172	1.42E-169	3.73
85	Palmd	Endothelial Cells	34.71	1.50E-140	2.44E-138	6.25
86	Gm694	Endothelial Cells	34.63	3.76E-136	5.58E-134	9.26
87	Utrn	Endothelial Cells	34.43	4.53E-151	8.33E-149	4.78
88	Slc6a6	Endothelial Cells	34.43	9.18E-162	1.88E-159	3.73

89	Tagln2	Endothelial Cells	34.39	2.86E-164	6.01E-162	4.09
90	Itih5	Endothelial Cells	34.27	5.98E-149	1.05E-146	5.11
91	Sepp1	Endothelial Cells	33.87	6.99E-151	1.27E-148	3.68
92	St3gal6	Endothelial Cells	33.86	8.61E-163	1.78E-160	4.03
93	Slc3a2	Endothelial Cells	33.74	1.25E-167	2.77E-165	3.09
94	Afap1l1	Endothelial Cells	33.74	9.56E-144	1.58E-141	5.09
95	Paqr5	Endothelial Cells	33.61	1.92E-132	2.74E-130	7.70
96	Icam2	Endothelial Cells	33.60	1.65E-132	2.38E-130	7.66
97	Cyrr1	Endothelial Cells	33.32	4.28E-130	5.86E-128	9.29
98	Tek	Endothelial Cells	33.30	3.03E-130	4.19E-128	8.88
99	Nostrin	Endothelial Cells	33.23	4.32E-130	5.87E-128	8.35
100	Tm4sf1	Endothelial Cells	33.05	1.56E-156	3.03E-154	4.58
1	Ccdc153	Ependymal Cells	125.71	0.00E+00	0.00E+00	8.70
2	Tmem212	Ependymal Cells	123.22	0.00E+00	0.00E+00	8.68
3	Rarres2	Ependymal Cells	95.65	0.00E+00	0.00E+00	7.32
4	Dynlrb2	Ependymal Cells	85.10	0.00E+00	0.00E+00	7.28
5	1110017D15Rik	Ependymal Cells	80.29	0.00E+00	0.00E+00	7.03
6	Rsph1	Ependymal Cells	79.59	0.00E+00	0.00E+00	6.52
7	Cd24a	Ependymal Cells	67.03	2.27E-292	5.25E-289	6.27
8	Ascc1	Ependymal Cells	63.57	2.64E-284	4.74E-281	5.56
9	Riid1	Ependymal Cells	62.20	4.29E-282	6.94E-279	5.73
10	1700016K19Rik	Ependymal Cells	60.80	2.95E-224	2.51E-221	7.34
11	Tmem107	Ependymal Cells	59.43	2.28E-279	3.35E-276	5.11
12	Meig1	Ependymal Cells	59.25	1.27E-238	1.37E-235	6.19
13	Fam183b	Ependymal Cells	59.23	2.50E-285	5.05E-282	5.13
14	Efcab10	Ependymal Cells	56.97	3.14E-230	3.17E-227	5.81
15	Cfap126	Ependymal Cells	56.63	2.08E-224	1.87E-221	6.74
16	1700007K13Rik	Ependymal Cells	55.94	3.90E-230	3.71E-227	6.04
17	1700012B09Rik	Ependymal Cells	55.90	1.95E-206	1.44E-203	7.02
18	4933434E20Rik	Ependymal Cells	55.66	5.10E-267	6.87E-264	4.14
19	Mia	Ependymal Cells	55.35	2.11E-207	1.62E-204	7.39
20	Gm10714	Ependymal Cells	54.43	3.01E-192	1.74E-189	8.33
21	Elof1	Ependymal Cells	52.76	3.05E-259	3.79E-256	4.07
22	Tm4sf1	Ependymal Cells	52.08	1.22E-251	1.41E-248	5.30
23	Calml4	Ependymal Cells	52.00	3.52E-192	1.96E-189	7.41
24	1700001C02Rik	Ependymal Cells	51.93	8.67E-185	4.00E-182	8.13
25	Dbi	Ependymal Cells	50.06	2.27E-183	1.02E-180	5.21
26	Mt3	Ependymal Cells	50.06	4.49E-191	2.42E-188	4.57
27	Foxj1	Ependymal Cells	48.45	5.14E-195	3.08E-192	6.13
28	Odf3b	Ependymal Cells	48.07	8.49E-176	3.71E-173	7.33
29	Mlf1	Ependymal Cells	47.97	6.56E-199	4.42E-196	5.80
30	Anxa5	Ependymal Cells	45.10	2.74E-203	1.93E-200	3.83

31	Pltp	Ependymal Cells	43.47	6.48E-189	3.27E-186	4.88
32	Lrrc51	Ependymal Cells	43.31	1.06E-171	4.28E-169	5.86
33	Nudt4	Ependymal Cells	43.28	1.37E-209	1.10E-206	4.00
34	1700088E04Rik	Ependymal Cells	42.43	5.10E-175	2.17E-172	5.20
35	Pcp4l1	Ependymal Cells	41.76	7.23E-199	4.67E-196	4.41
36	S100b	Ependymal Cells	41.63	9.55E-199	5.94E-196	4.39
37	Tctex1d4	Ependymal Cells	41.39	5.36E-148	1.67E-145	8.36
38	Anxa2	Ependymal Cells	41.08	1.16E-190	6.06E-188	4.75
39	Hdc	Ependymal Cells	40.06	1.30E-148	4.19E-146	6.93
40	S100a6	Ependymal Cells	39.90	9.95E-187	4.88E-184	5.02
41	Aebp1	Ependymal Cells	39.60	9.46E-163	3.64E-160	5.48
42	Chchd10	Ependymal Cells	39.41	1.12E-155	3.92E-153	3.48
43	Hspa2	Ependymal Cells	38.88	4.31E-185	2.05E-182	4.11
44	2410004P03Rik	Ependymal Cells	38.03	2.39E-147	7.16E-145	5.96
45	Cnn3	Ependymal Cells	37.40	3.89E-172	1.61E-169	3.55
46	Dnah12	Ependymal Cells	37.34	3.76E-133	9.08E-131	8.25
47	Ak7	Ependymal Cells	36.94	1.50E-133	3.68E-131	7.36
48	Gm867	Ependymal Cells	36.71	1.48E-130	3.24E-128	8.38
49	Enkur	Ependymal Cells	36.69	1.41E-139	3.79E-137	5.93
50	Pifo	Ependymal Cells	36.45	2.42E-137	6.31E-135	6.13
51	Gng5	Ependymal Cells	36.31	1.00E-154	3.37E-152	3.18
52	Cfap54	Ependymal Cells	36.29	8.80E-133	2.09E-130	6.73
53	Dnali1	Ependymal Cells	36.10	2.25E-131	5.21E-129	7.10
54	Gas6	Ependymal Cells	35.97	4.34E-168	1.71E-165	3.41
55	Ccdc33	Ependymal Cells	35.94	1.01E-127	2.07E-125	8.48
56	Ramp1	Ependymal Cells	35.93	4.84E-155	1.66E-152	3.79
57	Nuf2	Ependymal Cells	35.55	5.67E-131	1.27E-128	6.87
58	Nnat	Ependymal Cells	35.47	1.39E-135	3.58E-133	3.99
59	Fhl1	Ependymal Cells	35.26	5.01E-162	1.88E-159	3.43
60	Tubb4b	Ependymal Cells	35.21	2.28E-161	8.39E-159	2.98
61	Mt1	Ependymal Cells	35.11	2.74E-129	5.84E-127	3.98
62	Morn5	Ependymal Cells	35.02	5.85E-129	1.23E-126	6.63
63	Capsl	Ependymal Cells	35.00	7.90E-128	1.64E-125	6.75
64	Sntn	Ependymal Cells	34.98	3.98E-124	7.66E-122	8.51
65	Ezr	Ependymal Cells	34.87	3.71E-140	1.02E-137	5.05
66	Smim5	Ependymal Cells	34.81	7.80E-127	1.58E-124	7.10
67	Lbp	Ependymal Cells	34.72	2.47E-123	4.70E-121	8.42
68	Bphl	Ependymal Cells	34.66	9.58E-154	3.16E-151	3.73
69	Cetn2	Ependymal Cells	34.36	2.47E-158	8.86E-156	3.20
70	Hipk1	Ependymal Cells	34.28	2.40E-144	6.92E-142	4.12
71	Clec3b	Ependymal Cells	34.24	7.56E-125	1.47E-122	6.90
72	Gm14964	Ependymal Cells	34.20	1.44E-140	4.02E-138	4.99
73	Gstm1	Ependymal Cells	34.17	1.04E-146	3.06E-144	3.43

74	Cdhr4	Ependymal Cells	33.77	3.77E-119	6.77E-117	8.77
75	Mlc1	Ependymal Cells	33.71	1.45E-148	4.60E-146	4.03
76	Dmkn	Ependymal Cells	33.63	1.51E-120	2.81E-118	6.95
77	Cetn4	Ependymal Cells	33.54	2.07E-138	5.48E-136	4.11
78	Nme5	Ependymal Cells	33.36	4.95E-135	1.23E-132	4.51
79	Ccdc34	Ependymal Cells	33.28	8.39E-148	2.56E-145	3.53
80	Tppp3	Ependymal Cells	33.22	5.23E-144	1.48E-141	3.10
81	Stoml3	Ependymal Cells	32.60	9.86E-115	1.61E-112	8.56
82	Fam166b	Ependymal Cells	32.35	8.23E-116	1.39E-113	7.16
83	Ccdc108	Ependymal Cells	32.11	1.16E-114	1.88E-112	6.96
84	Hist1h4h	Ependymal Cells	32.02	1.85E-119	3.36E-117	5.81
85	Mt2	Ependymal Cells	31.90	1.51E-135	3.83E-133	3.77
86	Spag6l	Ependymal Cells	31.88	1.20E-116	2.09E-114	5.75
87	Ccdc113	Ependymal Cells	31.72	1.94E-116	3.30E-114	5.67
88	Iqca	Ependymal Cells	31.45	2.04E-111	3.13E-109	7.52
89	Prr29	Ependymal Cells	31.36	6.12E-110	8.91E-108	8.35
90	Prelp	Ependymal Cells	31.17	3.65E-125	7.19E-123	4.91
91	Cfap161	Ependymal Cells	30.95	6.46E-112	1.02E-109	6.04
92	Ppp1r36	Ependymal Cells	30.95	2.48E-111	3.78E-109	6.62
93	Spef2	Ependymal Cells	30.68	1.84E-111	2.88E-109	6.26
94	Spef1	Ependymal Cells	30.52	6.05E-111	9.06E-109	5.80
95	Mapk15	Ependymal Cells	30.52	3.27E-110	4.85E-108	6.17
96	Tmem47	Ependymal Cells	30.49	2.90E-132	6.78E-130	3.19
97	S100a11	Ependymal Cells	30.29	1.99E-126	3.98E-124	4.29
98	Sox9	Ependymal Cells	30.13	4.15E-131	9.44E-129	4.17
99	Spa17	Ependymal Cells	30.09	1.88E-112	3.01E-110	5.04
100	Lrrc48	Ependymal Cells	29.91	2.57E-107	3.61E-105	5.98
1	Nnat	Tanocytes	30.22	1.37E-85	7.39E-82	5.27
2	S100a6	Tanocytes	30.18	1.46E-97	2.36E-93	5.42
3	Mlc1	Tanocytes	27.57	1.76E-87	1.42E-83	4.69
4	Ntrk2	Tanocytes	26.75	8.73E-85	3.53E-81	4.14
5	Prdx6	Tanocytes	24.53	1.08E-77	3.50E-74	4.00
6	Fxyd1	Tanocytes	22.58	5.40E-70	1.46E-66	4.04
7	Cst3	Tanocytes	21.84	2.07E-57	4.18E-54	3.99
8	Gpr50	Tanocytes	21.58	1.12E-52	1.81E-49	7.14
9	Tmem47	Tanocytes	21.29	1.60E-64	3.70E-61	3.43
10	Slit2	Tanocytes	20.10	7.03E-53	1.26E-49	4.45
11	Col23a1	Tanocytes	18.74	2.37E-44	1.74E-41	6.98
12	Thrsp	Tanocytes	18.34	4.07E-48	4.12E-45	4.43
13	Apoe	Tanocytes	18.21	1.49E-46	1.41E-43	4.04
14	Hspa2	Tanocytes	18.04	8.43E-52	1.24E-48	3.24
15	Aldoc	Tanocytes	17.85	2.64E-49	3.56E-46	3.23

16	Slc16a2	Tanocytes	17.39	2.02E-43	1.42E-40	4.61
17	S100a1	Tanocytes	17.24	2.33E-48	2.69E-45	3.04
18	Rpn2	Tanocytes	17.23	1.97E-48	2.45E-45	2.56
19	6330403K07Rik	Tanocytes	17.17	2.58E-48	2.78E-45	3.45
20	Nkx2-4	Tanocytes	16.96	1.20E-42	7.92E-40	4.45
21	Anxa5	Tanocytes	16.75	1.85E-46	1.66E-43	2.83
22	Sox9	Tanocytes	16.71	8.10E-46	6.54E-43	3.72
23	Dynlrb2	Tanocytes	16.63	7.86E-46	6.54E-43	3.90
24	Gstm1	Tanocytes	16.39	1.22E-44	9.39E-42	2.88
25	Mt1	Tanocytes	16.37	4.78E-42	2.86E-39	3.21
26	Mt3	Tanocytes	16.19	1.22E-42	7.92E-40	2.91
27	Hes1	Tanocytes	16.06	1.38E-42	8.57E-40	3.84
28	Socs3	Tanocytes	15.86	1.02E-40	5.66E-38	4.08
29	Cd63	Tanocytes	15.75	8.16E-39	4.12E-36	2.29
30	S100a10	Tanocytes	15.61	1.29E-40	6.73E-38	3.27
31	Ramp1	Tanocytes	15.44	2.64E-41	1.53E-38	3.13
32	Cpe	Tanocytes	15.42	1.15E-40	6.18E-38	2.44
33	Dbi	Tanocytes	15.10	1.33E-37	5.83E-35	2.98
34	Mt2	Tanocytes	14.77	1.29E-38	6.32E-36	3.18
35	Nkain4	Tanocytes	14.69	2.78E-38	1.32E-35	3.09
36	Rspo3	Tanocytes	14.67	4.96E-33	1.74E-30	5.77
37	Sox2	Tanocytes	14.53	1.18E-37	5.45E-35	2.50
38	Egr1	Tanocytes	14.51	1.27E-37	5.70E-35	2.95
39	Vim	Tanocytes	14.39	5.61E-37	2.39E-34	3.20
40	Zbtb20	Tanocytes	14.29	1.50E-36	6.20E-34	2.12
41	Zfp36l1	Tanocytes	14.23	1.92E-36	7.76E-34	2.96
42	Ndrp2	Tanocytes	14.13	3.48E-35	1.37E-32	2.65
43	Gja1	Tanocytes	13.88	4.19E-35	1.61E-32	3.12
44	2410004P03Rik	Tanocytes	13.82	3.17E-33	1.14E-30	3.82
45	Slc1a2	Tanocytes	13.56	1.26E-33	4.74E-31	3.38
46	Slc1a3	Tanocytes	13.48	3.07E-33	1.13E-30	2.98
47	Fos	Tanocytes	13.41	7.37E-33	2.54E-30	3.05
48	Lhx2	Tanocytes	13.35	5.60E-29	1.44E-26	5.55
49	Prdx4	Tanocytes	13.30	1.08E-32	3.65E-30	2.45
50	Rax	Tanocytes	13.30	1.63E-28	4.00E-26	7.45
51	Nfib	Tanocytes	13.20	4.43E-32	1.43E-29	2.74
52	Atp1b2	Tanocytes	13.17	3.22E-32	1.06E-29	2.40
53	Crym	Tanocytes	13.15	5.77E-28	1.37E-25	7.99
54	Gadd45g	Tanocytes	13.08	9.17E-32	2.85E-29	2.95
55	Cnn3	Tanocytes	13.06	6.04E-32	1.92E-29	2.37
56	Riid1	Tanocytes	12.79	1.51E-30	4.60E-28	3.10
57	Anxa2	Tanocytes	12.65	4.69E-30	1.40E-27	3.06
58	Cfap126	Tanocytes	12.63	7.97E-30	2.26E-27	3.43

59	Atp1a2	Tanocytes	12.62	1.25E-29	3.42E-27	2.75
60	Fam107a	Tanocytes	12.60	3.12E-29	8.28E-27	3.30
61	Id4	Tanocytes	12.60	4.81E-30	1.41E-27	2.57
62	Ezr	Tanocytes	12.53	4.30E-29	1.12E-26	3.27
63	Ttyh1	Tanocytes	12.50	8.67E-30	2.42E-27	2.42
64	Rarres2	Tanocytes	12.42	1.41E-29	3.80E-27	3.12
65	Mdk	Tanocytes	12.26	1.55E-28	3.86E-26	2.95
66	Fbxo2	Tanocytes	12.11	3.00E-28	7.24E-26	2.22
67	Itm2c	Tanocytes	12.04	6.77E-28	1.56E-25	1.56
68	Ier2	Tanocytes	12.04	6.21E-28	1.46E-25	2.97
69	Cd9	Tanocytes	11.98	2.32E-26	4.87E-24	2.23
70	Ldha	Tanocytes	11.94	9.25E-28	2.11E-25	1.87
71	Nt5dc2	Tanocytes	11.91	1.75E-25	3.58E-23	3.91
72	Lix1	Tanocytes	11.88	3.76E-25	7.51E-23	4.34
73	Frzb	Tanocytes	11.86	2.32E-24	4.46E-22	6.49
74	Gng5	Tanocytes	11.82	6.10E-27	1.35E-24	1.92
75	Cyr61	Tanocytes	11.78	1.72E-26	3.75E-24	3.47
76	Bcan	Tanocytes	11.73	6.08E-27	1.35E-24	2.64
77	Tspo	Tanocytes	11.66	1.94E-26	4.17E-24	2.80
78	Jun	Tanocytes	11.66	2.16E-26	4.59E-24	2.33
79	Zfp36	Tanocytes	11.55	8.66E-26	1.79E-23	3.14
80	Tgfb2	Tanocytes	11.41	5.61E-24	9.96E-22	3.77
81	Prelp	Tanocytes	11.40	5.73E-25	1.13E-22	3.31
82	Tceal8	Tanocytes	11.28	2.59E-25	5.22E-23	1.95
83	Tmem52	Tanocytes	11.13	8.94E-23	1.40E-20	4.85
84	Nme5	Tanocytes	11.12	4.12E-24	7.40E-22	2.88
85	Ildr2	Tanocytes	11.02	1.74E-23	2.90E-21	2.71
86	Junb	Tanocytes	10.99	2.97E-24	5.52E-22	2.47
87	Cyba	Tanocytes	10.98	2.73E-24	5.20E-22	2.55
88	Hist1h2bc	Tanocytes	10.98	2.81E-24	5.28E-22	2.21
89	Mxra8	Tanocytes	10.97	4.58E-23	7.33E-21	3.49
90	Pygb	Tanocytes	10.84	1.54E-23	2.62E-21	2.30
91	Ptn	Tanocytes	10.72	2.86E-23	4.67E-21	2.02
92	Btg2	Tanocytes	10.63	5.21E-23	8.25E-21	2.44
93	Rpl41	Tanocytes	10.53	3.48E-22	5.16E-20	1.10
94	Sorbs2	Tanocytes	10.49	6.76E-22	9.67E-20	2.63
95	Slc6a11	Tanocytes	10.48	2.41E-22	3.64E-20	2.42
96	Pifo	Tanocytes	10.47	7.72E-22	1.10E-19	3.25
97	Fam183b	Tanocytes	10.47	2.16E-22	3.30E-20	2.43
98	Bcl2	Tanocytes	10.45	3.91E-22	5.75E-20	2.45
99	Tspan7	Tanocytes	10.39	4.43E-22	6.45E-20	1.56
100	Bhlhe40	Tanocytes	10.38	1.22E-21	1.70E-19	2.63

1	Igfbp7	Vascular Cells	30.65	2.56E-69	4.14E-65	6.68
2	MyI9	Vascular Cells	26.94	2.84E-52	1.53E-48	7.77
3	Cald1	Vascular Cells	24.43	3.29E-57	2.66E-53	5.37
4	Rgs4	Vascular Cells	17.46	1.08E-36	3.51E-33	4.94
5	Nbl1	Vascular Cells	17.25	1.58E-34	4.26E-31	5.45
6	Vtn	Vascular Cells	17.04	2.61E-32	4.69E-29	7.76
7	Mfge8	Vascular Cells	16.95	1.96E-38	7.94E-35	4.62
8	Perp	Vascular Cells	16.55	2.28E-30	3.35E-27	6.56
9	Rgs5	Vascular Cells	16.39	5.38E-32	8.69E-29	6.84
10	Ndufa4l2	Vascular Cells	16.04	1.17E-29	1.35E-26	6.92
11	Gja4	Vascular Cells	15.97	5.15E-29	5.55E-26	7.06
12	Slc19a1	Vascular Cells	15.87	4.79E-30	6.45E-27	5.57
13	Bgn	Vascular Cells	15.30	9.41E-28	9.51E-25	6.99
14	Ifitm2	Vascular Cells	15.27	5.33E-33	1.19E-29	4.37
15	Atp1a2	Vascular Cells	14.99	5.89E-33	1.19E-29	4.21
16	Aspn	Vascular Cells	14.30	2.99E-25	2.42E-22	8.24
17	Gper1	Vascular Cells	13.99	5.58E-25	4.30E-22	6.99
18	Sdc2	Vascular Cells	13.74	7.62E-30	9.47E-27	2.93
19	Lgals1	Vascular Cells	13.66	1.41E-25	1.20E-22	5.52
20	Gm13889	Vascular Cells	13.62	7.27E-27	6.91E-24	4.39
21	Higd1b	Vascular Cells	13.51	3.38E-24	2.10E-21	7.10
22	Crip1	Vascular Cells	12.75	1.08E-23	6.25E-21	5.60
23	P2ry14	Vascular Cells	12.72	1.14E-22	5.94E-20	6.00
24	Hspb1	Vascular Cells	12.67	1.63E-26	1.47E-23	4.21
25	Lhfp	Vascular Cells	12.44	9.64E-25	6.78E-22	3.93
26	Cox4i2	Vascular Cells	12.42	7.65E-22	3.34E-19	6.51
27	Mylk	Vascular Cells	12.28	2.18E-21	8.81E-19	6.66
28	Pdgfrb	Vascular Cells	12.23	1.35E-21	5.76E-19	6.12
29	S100a11	Vascular Cells	12.14	3.06E-24	1.98E-21	3.77
30	Serpinh1	Vascular Cells	11.96	6.06E-24	3.63E-21	3.61
31	Sparcl1	Vascular Cells	11.92	2.85E-23	1.59E-20	3.21
32	Tm4sf1	Vascular Cells	11.89	2.64E-24	1.78E-21	3.80
33	Bcam	Vascular Cells	11.78	3.95E-22	1.88E-19	4.23
34	Gucy1b3	Vascular Cells	11.73	4.69E-22	2.17E-19	3.55
35	Filip1l	Vascular Cells	11.70	2.68E-20	9.64E-18	6.30
36	Tpm2	Vascular Cells	11.66	6.86E-20	2.36E-17	7.97
37	Ebf1	Vascular Cells	11.53	6.44E-22	2.89E-19	4.08
38	Itgb1	Vascular Cells	11.50	1.97E-22	9.65E-20	3.21
39	Phldb2	Vascular Cells	11.16	3.17E-19	1.01E-16	5.82
40	Adap2	Vascular Cells	11.14	4.88E-20	1.72E-17	4.90
41	Rasgrp2	Vascular Cells	10.99	1.58E-20	5.94E-18	3.39
42	Esam	Vascular Cells	10.95	2.82E-21	1.11E-18	3.86
43	Rbpms	Vascular Cells	10.92	3.58E-19	1.11E-16	4.78

44	Gng11	Vascular Cells	10.85	2.88E-21	1.11E-18	2.86
45	Mustn1	Vascular Cells	10.74	5.68E-18	1.51E-15	7.53
46	Slc38a11	Vascular Cells	10.73	5.37E-18	1.45E-15	7.03
47	Mgp	Vascular Cells	10.62	5.37E-18	1.45E-15	6.47
48	Lbh	Vascular Cells	10.51	8.86E-19	2.60E-16	3.62
49	Pcolce	Vascular Cells	10.48	1.87E-17	4.52E-15	7.20
50	Lamb2	Vascular Cells	10.41	1.30E-18	3.68E-16	3.99
51	Myo1b	Vascular Cells	10.37	6.85E-18	1.79E-15	4.64
52	Cnn2	Vascular Cells	10.17	1.31E-17	3.25E-15	4.51
53	Serinc3	Vascular Cells	10.07	4.24E-19	1.29E-16	2.32
54	Myl12a	Vascular Cells	9.97	5.81E-19	1.74E-16	2.62
55	Gm13861	Vascular Cells	9.92	2.59E-16	5.58E-14	6.88
56	Ifitm3	Vascular Cells	9.90	1.01E-18	2.91E-16	3.25
57	4930523C07Rik	Vascular Cells	9.89	7.02E-17	1.60E-14	4.51
58	Tagln	Vascular Cells	9.83	4.95E-16	9.87E-14	8.46
59	Des	Vascular Cells	9.82	4.90E-16	9.87E-14	7.28
60	Acta2	Vascular Cells	9.78	5.63E-16	1.08E-13	7.72
61	Serping1	Vascular Cells	9.78	5.46E-16	1.08E-13	6.62
62	Itm2b	Vascular Cells	9.67	1.83E-17	4.48E-15	1.09
63	Notch3	Vascular Cells	9.60	7.13E-16	1.36E-13	5.53
64	Myl6	Vascular Cells	9.58	2.11E-17	5.01E-15	2.29
65	Ehd2	Vascular Cells	9.57	3.51E-16	7.37E-14	4.51
66	Tagln2	Vascular Cells	9.54	2.24E-17	5.24E-15	3.11
67	Tpm1	Vascular Cells	9.53	1.57E-16	3.43E-14	3.17
68	S1pr3	Vascular Cells	9.50	1.27E-15	2.31E-13	5.22
69	Myh11	Vascular Cells	9.50	2.65E-15	4.60E-13	8.99
70	Eva1b	Vascular Cells	9.46	3.83E-16	7.84E-14	4.14
71	Crip2	Vascular Cells	9.26	5.98E-17	1.38E-14	2.32
72	Rbms1	Vascular Cells	9.23	3.77E-16	7.82E-14	3.19
73	Limd1	Vascular Cells	9.21	1.62E-15	2.87E-13	3.88
74	Il34	Vascular Cells	9.19	4.58E-15	7.47E-13	4.36
75	Tns1	Vascular Cells	9.19	1.05E-15	1.97E-13	3.69
76	Pln	Vascular Cells	9.13	1.68E-14	2.50E-12	10.51
77	Utrn	Vascular Cells	9.11	1.08E-15	2.00E-13	3.51
78	Slc6a20a	Vascular Cells	9.05	1.55E-14	2.37E-12	6.24
79	Sod3	Vascular Cells	9.03	1.64E-14	2.45E-12	5.88
80	Gucy1a3	Vascular Cells	9.01	5.24E-15	8.30E-13	3.63
81	Ano1	Vascular Cells	8.86	5.15E-14	7.06E-12	6.98
82	Plat	Vascular Cells	8.85	1.56E-15	2.81E-13	2.88
83	Gjc1	Vascular Cells	8.85	1.62E-14	2.45E-12	4.34
84	Mef2c	Vascular Cells	8.76	3.64E-15	6.07E-13	3.06
85	Prss23	Vascular Cells	8.68	1.91E-14	2.81E-12	3.81
86	Mir143hg	Vascular Cells	8.64	1.46E-13	1.90E-11	6.90



<b>87</b>	Lptm4a	Vascular Cells	8.62	3.33E-15	5.61E-13	1.69
<b>88</b>	Nr2f2	Vascular Cells	8.58	8.22E-15	1.29E-12	2.52
<b>89</b>	Lims1	Vascular Cells	8.58	1.22E-14	1.88E-12	2.74
<b>90</b>	Zic1	Vascular Cells	8.56	2.93E-14	4.23E-12	3.38
<b>91</b>	Anxa5	Vascular Cells	8.55	5.15E-15	8.25E-13	2.16
<b>92</b>	Ecm2	Vascular Cells	8.54	1.55E-13	2.01E-11	5.23
<b>93</b>	Lmod1	Vascular Cells	8.54	2.77E-13	3.26E-11	8.56
<b>94</b>	Wtip	Vascular Cells	8.47	3.02E-13	3.48E-11	5.70
<b>95</b>	Rcn3	Vascular Cells	8.43	2.23E-13	2.71E-11	4.78
<b>96</b>	Ptrf	Vascular Cells	8.31	2.08E-13	2.57E-11	3.84
<b>97</b>	Rhoj	Vascular Cells	8.26	3.22E-13	3.69E-11	4.12
<b>98</b>	Tgfb1i1	Vascular Cells	8.22	5.74E-13	6.27E-11	4.28
<b>99</b>	Ggt5	Vascular Cells	8.20	9.87E-13	1.02E-10	5.74
<b>100</b>	Pde3a	Vascular Cells	8.20	1.16E-12	1.19E-10	6.02

15 **Table S2:** Expression of the top 100 genes defining individual clusters in the pituitary gland

Pituitary Clusters - Top100 Genes						
Rank	Names	Cell Type	Scores	pval	adj_pval	Log2FC
1	Rpl10	Somatotropes 1	29.55	7.76E-159	1.20E-154	0.92
2	Rps6	Somatotropes 1	26.48	9.43E-133	7.28E-129	0.79
3	Rps4x	Somatotropes 1	25.90	6.92E-128	3.56E-124	0.83
4	Rps27a	Somatotropes 1	25.22	4.15E-122	1.28E-118	0.74
5	Atp6v1g1	Somatotropes 1	25.06	3.86E-123	1.49E-119	0.86
6	Rpl17	Somatotropes 1	24.87	1.60E-119	4.11E-116	0.77
7	Rpl14	Somatotropes 1	24.61	5.09E-117	9.82E-114	0.72
8	Rpl22l1	Somatotropes 1	24.47	2.35E-117	5.19E-114	0.88
9	Rps9	Somatotropes 1	24.39	9.02E-116	1.55E-112	0.77
10	Rps23	Somatotropes 1	24.34	7.76E-115	1.20E-111	0.71
11	Rps14	Somatotropes 1	24.24	7.07E-114	9.92E-111	0.69
12	Rps3a1	Somatotropes 1	23.98	3.55E-112	4.56E-109	0.79
13	Rps5	Somatotropes 1	23.66	6.84E-110	7.54E-107	0.73
14	Rpl37a	Somatotropes 1	23.64	2.42E-109	2.49E-106	0.71
15	Rpl9	Somatotropes 1	23.54	8.81E-109	8.00E-106	0.75
16	Rps7	Somatotropes 1	23.51	7.68E-109	7.41E-106	0.79
17	Rpl37	Somatotropes 1	23.40	1.09E-107	9.39E-105	0.75
18	Rpl34	Somatotropes 1	23.14	1.00E-105	8.13E-103	0.76
19	Rps3	Somatotropes 1	23.02	1.44E-104	1.01E-101	0.71
20	Rpl3	Somatotropes 1	23.01	1.23E-104	9.04E-102	0.71
21	Rps19	Somatotropes 1	22.96	1.19E-103	7.95E-101	0.69
22	Sec61b	Somatotropes 1	22.89	2.90E-105	2.24E-102	0.87
23	Rpl13a	Somatotropes 1	22.81	1.18E-102	7.57E-100	0.65
24	Rps24	Somatotropes 1	22.69	2.43E-102	1.50E-99	0.77
25	Gh	Somatotropes 1	22.66	1.83E-100	1.09E-97	1.49
26	Rpl41	Somatotropes 1	22.44	1.56E-99	8.91E-97	0.57
27	Rps27	Somatotropes 1	22.12	5.53E-98	3.05E-95	0.70
28	Rps13	Somatotropes 1	22.02	3.48E-97	1.85E-94	0.72
29	Rpl35a	Somatotropes 1	21.89	1.13E-95	5.61E-93	0.69
30	Rps15a	Somatotropes 1	21.89	3.41E-96	1.75E-93	0.72
31	Rpl32	Somatotropes 1	21.88	1.61E-95	7.52E-93	0.68
32	Rpl13	Somatotropes 1	21.81	1.35E-95	6.50E-93	0.53
33	Rpl26	Somatotropes 1	21.33	2.80E-91	1.20E-88	0.70
34	Rps20	Somatotropes 1	21.30	6.20E-92	2.82E-89	0.76
35	Pfdn5	Somatotropes 1	21.23	1.02E-91	4.48E-89	0.76
36	Rpl38	Somatotropes 1	21.13	1.11E-90	4.63E-88	0.74
37	Rpl24	Somatotropes 1	21.10	3.71E-90	1.51E-87	0.65
38	Rps25	Somatotropes 1	21.04	1.36E-89	5.13E-87	0.71
39	Rplp2	Somatotropes 1	21.01	2.75E-89	9.86E-87	0.70
40	Rpl36al	Somatotropes 1	20.95	7.01E-90	2.77E-87	0.79

41	Sec61g	Somatotropes 1	20.92	1.68E-89	6.16E-87	0.77
42	Rps18	Somatotropes 1	20.85	1.02E-87	3.34E-85	0.61
43	Rpl8	Somatotropes 1	20.79	7.12E-88	2.44E-85	0.60
44	Cox7a2l	Somatotropes 1	20.77	1.05E-88	3.70E-86	0.80
45	Rps29	Somatotropes 1	20.76	3.11E-87	1.00E-84	0.67
46	Rpl6	Somatotropes 1	20.45	2.53E-85	7.65E-83	0.63
47	Rps10	Somatotropes 1	20.45	1.04E-85	3.21E-83	0.74
48	Rpl12	Somatotropes 1	20.41	5.17E-86	1.63E-83	0.81
49	Rpl21	Somatotropes 1	20.35	2.13E-84	6.21E-82	0.63
50	Rpl27a	Somatotropes 1	20.26	8.03E-84	2.30E-81	0.61
51	Rpl36	Somatotropes 1	20.19	1.69E-83	4.67E-81	0.69
52	Rpl23a	Somatotropes 1	20.11	6.20E-83	1.68E-80	0.67
53	Htatsf1	Somatotropes 1	19.99	1.58E-83	4.44E-81	0.98
54	Rps28	Somatotropes 1	19.91	6.98E-82	1.86E-79	0.77
55	Rps17	Somatotropes 1	19.89	4.13E-81	1.04E-78	0.67
56	Tpt1	Somatotropes 1	19.75	2.60E-80	6.48E-78	0.67
57	Rpl4	Somatotropes 1	19.75	4.05E-80	9.93E-78	0.61
58	Rpl35	Somatotropes 1	19.60	1.81E-79	4.36E-77	0.74
59	Rpl19	Somatotropes 1	19.38	2.16E-77	5.04E-75	0.59
60	Fau	Somatotropes 1	19.25	2.57E-76	5.59E-74	0.62
61	Rps8	Somatotropes 1	19.20	4.09E-76	8.76E-74	0.56
62	Rps12	Somatotropes 1	19.19	8.87E-77	1.98E-74	0.76
63	Bnip3	Somatotropes 1	19.10	3.53E-77	8.13E-75	1.13
64	Rpl36a	Somatotropes 1	19.09	1.12E-75	2.37E-73	0.67
65	Fam183b	Somatotropes 1	19.08	8.18E-77	1.86E-74	0.93
66	Rpl11	Somatotropes 1	19.07	3.19E-75	6.66E-73	0.56
67	Rpl18a	Somatotropes 1	18.87	1.64E-73	3.29E-71	0.59
68	Eif3f	Somatotropes 1	18.86	1.34E-74	2.77E-72	0.71
69	Rps16	Somatotropes 1	18.73	7.46E-73	1.48E-70	0.62
70	Rpsa	Somatotropes 1	18.35	9.51E-71	1.86E-68	0.65
71	Rpl30	Somatotropes 1	18.11	4.45E-69	8.49E-67	0.67
72	Pnmal2	Somatotropes 1	18.02	4.09E-69	7.89E-67	0.89
73	Rpl31	Somatotropes 1	17.79	1.62E-66	2.92E-64	0.59
74	Glr5	Somatotropes 1	17.72	4.45E-67	8.39E-65	0.90
75	Naca	Somatotropes 1	17.71	2.36E-66	4.19E-64	0.65
76	Stk32c	Somatotropes 1	17.70	5.25E-67	9.77E-65	1.14
77	Eef1a1	Somatotropes 1	17.68	2.04E-65	3.58E-63	0.48
78	Rxrg	Somatotropes 1	17.65	1.23E-66	2.23E-64	1.31
79	Rplp0	Somatotropes 1	17.62	2.96E-65	5.13E-63	0.59
80	Srp9	Somatotropes 1	17.38	1.71E-64	2.91E-62	0.75
81	Gabarap	Somatotropes 1	17.36	6.42E-64	1.08E-61	0.65
82	Rps2	Somatotropes 1	17.32	3.12E-63	5.07E-61	0.55
83	Gm10076	Somatotropes 1	17.28	1.67E-63	2.77E-61	0.73

84	Map7d2	Somatotropes 1	17.19	1.94E-63	3.18E-61	1.11
85	Bex1	Somatotropes 1	17.11	8.05E-63	1.29E-60	0.84
86	Bex2	Somatotropes 1	17.11	1.96E-62	3.09E-60	0.73
87	Rpl7	Somatotropes 1	17.08	1.02E-61	1.55E-59	0.56
88	S100a10	Somatotropes 1	17.06	1.73E-62	2.76E-60	0.91
89	Rpl29	Somatotropes 1	17.04	1.04E-61	1.55E-59	0.64
90	Rpl5	Somatotropes 1	17.00	1.25E-61	1.85E-59	0.65
91	Atp5e	Somatotropes 1	16.97	2.64E-61	3.88E-59	0.66
92	Atp5g1	Somatotropes 1	16.81	2.48E-60	3.58E-58	0.64
93	Wbp5	Somatotropes 1	16.76	6.14E-60	8.78E-58	0.63
94	Stmn1	Somatotropes 1	16.70	6.63E-60	9.40E-58	0.81
95	Npm1	Somatotropes 1	16.44	4.15E-58	5.83E-56	0.64
96	Rpl18	Somatotropes 1	16.28	1.08E-56	1.49E-54	0.53
97	Eif3h	Somatotropes 1	16.24	7.19E-57	9.99E-55	0.67
98	Snhg18	Somatotropes 1	16.16	1.66E-56	2.27E-54	0.94
99	Rps21	Somatotropes 1	16.09	1.20E-55	1.61E-53	0.58
100	Bmyc	Somatotropes 1	16.08	6.32E-56	8.55E-54	0.76
1	Rps23	Somatotropes 2	32.02	4.32E-166	6.67E-162	1.09
2	Rpl17	Somatotropes 2	31.56	2.60E-162	2.01E-158	1.13
3	Rpl41	Somatotropes 2	31.36	5.37E-161	2.76E-157	0.92
4	Rpl14	Somatotropes 2	30.92	9.36E-157	3.61E-153	1.05
5	Rps6	Somatotropes 2	30.51	2.14E-154	5.50E-151	1.06
6	Rps27a	Somatotropes 2	30.22	2.26E-151	4.36E-148	1.03
7	Rpl37a	Somatotropes 2	29.74	4.62E-149	7.92E-146	1.05
8	Rps20	Somatotropes 2	29.09	2.32E-146	3.58E-143	1.19
9	Snhg18	Somatotropes 2	29.01	3.32E-155	1.03E-151	1.75
10	Rps5	Somatotropes 2	28.88	1.11E-142	1.32E-139	1.03
11	Rps29	Somatotropes 2	28.86	3.80E-143	4.89E-140	1.08
12	Rplp0	Somatotropes 2	28.77	6.04E-145	8.48E-142	1.11
13	Rps3a1	Somatotropes 2	28.76	9.69E-141	9.97E-138	1.10
14	Rps14	Somatotropes 2	28.72	3.42E-140	3.30E-137	0.96
15	Dapl1	Somatotropes 2	28.71	1.27E-153	2.81E-150	2.09
16	Rpl13a	Somatotropes 2	28.65	1.05E-139	9.50E-137	0.95
17	Rps4x	Somatotropes 2	28.65	7.85E-141	8.65E-138	1.09
18	Rpl10	Somatotropes 2	28.53	1.95E-138	1.58E-135	1.05
19	Rps18	Somatotropes 2	28.34	2.17E-138	1.68E-135	0.97
20	Rps28	Somatotropes 2	28.06	1.63E-139	1.40E-136	1.22
21	Rps13	Somatotropes 2	28.04	1.76E-136	1.29E-133	1.06
22	Rpl36	Somatotropes 2	27.67	8.19E-135	5.75E-132	1.09
23	Rps3	Somatotropes 2	27.45	9.07E-132	5.38E-129	0.99
24	Rpl3	Somatotropes 2	27.43	8.94E-132	5.38E-129	0.99
25	Rpl22l1	Somatotropes 2	27.36	3.08E-133	1.98E-130	1.15

26	Rpl4	Somatotropes 2	27.27	1.79E-131	1.03E-128	0.96
27	Rpl32	Somatotropes 2	27.17	3.36E-129	1.73E-126	0.98
28	Rpl36a	Somatotropes 2	27.11	2.26E-131	1.25E-128	1.08
29	Rpl37	Somatotropes 2	27.02	1.96E-128	9.76E-126	1.02
30	Rps9	Somatotropes 2	26.85	1.12E-126	5.08E-124	0.98
31	Rpl27a	Somatotropes 2	26.84	5.93E-128	2.86E-125	0.94
32	Eef1a1	Somatotropes 2	26.81	1.77E-127	8.28E-125	0.84
33	Rps19	Somatotropes 2	26.73	1.14E-125	4.74E-123	0.94
34	Rpl12	Somatotropes 2	26.62	7.41E-130	3.94E-127	1.20
35	Rpl13	Somatotropes 2	26.55	6.84E-126	2.93E-123	0.76
36	Rpl9	Somatotropes 2	26.47	3.56E-124	1.41E-121	0.99
37	Rps25	Somatotropes 2	26.47	9.05E-125	3.68E-122	1.03
38	Rps21	Somatotropes 2	26.24	4.71E-126	2.08E-123	1.06
39	Rpl23	Somatotropes 2	26.20	1.47E-123	5.54E-121	0.97
40	Rps17	Somatotropes 2	26.18	1.30E-123	5.01E-121	1.02
41	Rpl19	Somatotropes 2	26.17	5.20E-123	1.87E-120	0.92
42	Rplp2	Somatotropes 2	26.16	1.01E-122	3.53E-120	1.01
43	Rps27	Somatotropes 2	26.05	3.23E-122	1.06E-119	0.96
44	Rps10	Somatotropes 2	25.91	2.79E-122	9.37E-120	1.08
45	Rpl38	Somatotropes 2	25.90	1.16E-121	3.66E-119	1.05
46	Rps12	Somatotropes 2	25.76	1.31E-122	4.50E-120	1.17
47	Cox7a2l	Somatotropes 2	25.67	1.05E-121	3.36E-119	1.13
48	Rps2	Somatotropes 2	25.59	4.45E-119	1.35E-116	0.93
49	Rpl34	Somatotropes 2	25.58	7.31E-118	2.13E-115	0.98
50	Eef1b2	Somatotropes 2	25.51	4.22E-123	1.55E-120	1.23
51	Tpt1	Somatotropes 2	25.41	1.05E-117	3.00E-115	1.00
52	Rpsa	Somatotropes 2	25.41	4.31E-119	1.33E-116	1.02
53	Rpl6	Somatotropes 2	25.38	3.28E-117	9.20E-115	0.91
54	Rps7	Somatotropes 2	25.36	1.24E-116	3.43E-114	1.00
55	Rpl29	Somatotropes 2	25.31	1.67E-118	4.95E-116	1.07
56	Rpl21	Somatotropes 2	25.27	3.99E-116	1.08E-113	0.91
57	Rpl26	Somatotropes 2	25.13	7.21E-114	1.82E-111	0.96
58	Rpl24	Somatotropes 2	25.12	1.11E-114	2.85E-112	0.90
59	Rpl35	Somatotropes 2	24.91	6.86E-115	1.79E-112	1.08
60	Rpl35a	Somatotropes 2	24.84	3.05E-112	7.48E-110	0.92
61	Rps16	Somatotropes 2	24.80	1.20E-112	2.98E-110	0.94
62	Rps24	Somatotropes 2	24.78	5.33E-112	1.29E-109	0.99
63	Atp5g1	Somatotropes 2	24.75	4.56E-115	1.21E-112	1.08
64	Rpl18a	Somatotropes 2	24.61	6.92E-111	1.64E-108	0.89
65	Rpl8	Somatotropes 2	24.41	1.16E-109	2.62E-107	0.82
66	Fau	Somatotropes 2	24.29	5.40E-109	1.21E-106	0.91
67	Rpl36al	Somatotropes 2	24.24	4.37E-110	1.01E-107	1.05
68	Rpl11	Somatotropes 2	24.24	2.10E-108	4.57E-106	0.83

69	Rps15a	Somatotropes 2	24.00	1.30E-106	2.79E-104	0.92
70	Rps11	Somatotropes 2	23.93	1.65E-106	3.49E-104	0.96
71	Rpl7a	Somatotropes 2	23.91	8.14E-109	1.79E-106	1.03
72	Rpl31	Somatotropes 2	23.70	1.08E-105	2.21E-103	0.92
73	Rpl28	Somatotropes 2	23.61	3.13E-106	6.52E-104	0.99
74	Rpl39	Somatotropes 2	23.59	1.60E-105	3.25E-103	0.98
75	Gabarap	Somatotropes 2	23.53	4.00E-105	8.01E-103	0.99
76	Atp5e	Somatotropes 2	23.32	6.39E-104	1.25E-101	1.04
77	Gm10076	Somatotropes 2	23.23	2.22E-104	4.38E-102	1.13
78	Rps15	Somatotropes 2	22.94	1.26E-99	2.42E-97	0.85
79	Rpl23a	Somatotropes 2	22.90	3.23E-99	6.08E-97	0.89
80	Sec61g	Somatotropes 2	22.87	1.47E-99	2.81E-97	0.98
81	Pfdn5	Somatotropes 2	22.61	1.43E-97	2.67E-95	0.94
82	Rplp1	Somatotropes 2	22.54	2.74E-97	5.03E-95	0.89
83	Rpl30	Somatotropes 2	22.48	3.50E-97	6.35E-95	0.95
84	Uqcrh	Somatotropes 2	21.93	2.66E-93	4.77E-91	0.96
85	Rps8	Somatotropes 2	21.80	7.54E-91	1.31E-88	0.74
86	Atp6v1g1	Somatotropes 2	21.74	2.48E-91	4.35E-89	0.89
87	Sec61b	Somatotropes 2	21.72	1.85E-91	3.29E-89	0.97
88	Rpl7	Somatotropes 2	21.53	1.35E-89	2.31E-87	0.82
89	Gh	Somatotropes 2	21.46	2.75E-86	4.56E-84	1.67
90	Rpl5	Somatotropes 2	21.15	3.68E-88	6.25E-86	0.93
91	Rpl18	Somatotropes 2	21.12	4.06E-87	6.81E-85	0.79
92	Rps26	Somatotropes 2	20.69	3.24E-85	5.32E-83	0.94
93	Eef1g	Somatotropes 2	20.15	3.50E-80	5.63E-78	0.76
94	Cox8a	Somatotropes 2	19.58	1.90E-76	3.03E-74	0.79
95	Naca	Somatotropes 2	19.18	6.55E-74	1.01E-71	0.81
96	Bmyc	Somatotropes 2	19.05	4.88E-74	7.61E-72	1.01
97	Ndufv3	Somatotropes 2	19.03	4.69E-74	7.39E-72	0.96
98	Rpl10a	Somatotropes 2	18.98	8.19E-73	1.25E-70	0.80
99	Cox6c	Somatotropes 2	18.83	4.67E-72	7.00E-70	0.83
100	Rpl22	Somatotropes 2	18.79	3.82E-72	5.78E-70	0.91
1	Gh	Somatotropes 3	31.49	1.84E-155	1.42E-151	2.63
2	mt-Co3	Somatotropes 3	26.88	3.64E-129	4.68E-126	1.13
3	Dlk1	Somatotropes 3	25.63	9.24E-115	7.50E-112	1.74
4	mt-Nd1	Somatotropes 3	25.46	2.10E-119	2.16E-116	1.16
5	mt-Cytb	Somatotropes 3	24.60	6.37E-112	4.47E-109	1.06
6	mt-Co2	Somatotropes 3	24.25	1.01E-109	6.49E-107	1.02
7	mt-Atp6	Somatotropes 3	23.89	9.10E-107	5.02E-104	0.99
8	mt-Nd4	Somatotropes 3	23.53	1.56E-104	8.01E-102	1.07
9	mt-Co1	Somatotropes 3	22.14	2.39E-93	8.80E-91	0.94
10	Cd63	Somatotropes 3	19.83	2.84E-79	7.98E-77	1.07

11	Epcam	Somatotropes 3	19.18	2.37E-74	5.46E-72	1.07
12	Laptm4a	Somatotropes 3	18.76	6.52E-72	1.46E-69	0.90
13	Resp18	Somatotropes 3	18.75	8.01E-71	1.69E-68	1.14
14	Spcs2	Somatotropes 3	18.35	3.52E-69	6.88E-67	0.98
15	Manf	Somatotropes 3	17.28	4.66E-62	7.57E-60	0.99
16	Itm2b	Somatotropes 3	17.08	6.37E-60	9.45E-58	0.68
17	Dnajb9	Somatotropes 3	16.85	2.91E-59	4.27E-57	1.23
18	Tmed2	Somatotropes 3	16.58	1.26E-57	1.72E-55	0.93
19	Meg3	Somatotropes 3	16.33	4.32E-54	5.47E-52	1.03
20	Hspa5	Somatotropes 3	15.72	3.63E-52	4.38E-50	0.88
21	Tspan13	Somatotropes 3	14.73	1.86E-46	1.91E-44	0.93
22	Pcsk1n	Somatotropes 3	14.45	2.07E-44	1.96E-42	0.76
23	Saraf	Somatotropes 3	14.22	1.40E-43	1.30E-41	0.85
24	Sec62	Somatotropes 3	14.21	1.51E-43	1.39E-41	0.83
25	Emb	Somatotropes 3	14.18	2.25E-43	2.03E-41	1.08
26	Vimp	Somatotropes 3	13.67	1.42E-40	1.19E-38	0.89
27	5330417C22Rik	Somatotropes 3	13.65	1.86E-40	1.53E-38	0.97
28	Ostc	Somatotropes 3	13.56	5.80E-40	4.72E-38	0.85
29	Pdia3	Somatotropes 3	13.35	7.15E-39	5.60E-37	0.78
30	Tram1	Somatotropes 3	13.12	1.33E-37	1.02E-35	0.97
31	Gpc4	Somatotropes 3	13.08	2.38E-37	1.79E-35	1.25
32	mt-Nd3	Somatotropes 3	13.02	4.10E-37	3.02E-35	1.00
33	Spint2	Somatotropes 3	12.90	2.15E-36	1.54E-34	0.68
34	Sytl4	Somatotropes 3	12.76	1.23E-35	8.66E-34	1.26
35	Selk	Somatotropes 3	12.49	2.02E-34	1.33E-32	0.61
36	mt-Nd2	Somatotropes 3	12.48	2.27E-34	1.48E-32	0.70
37	Pdia6	Somatotropes 3	12.47	2.57E-34	1.67E-32	0.86
38	Ssr2	Somatotropes 3	12.44	3.88E-34	2.48E-32	0.86
39	Malat1	Somatotropes 3	12.44	4.99E-34	3.18E-32	0.55
40	Scg5	Somatotropes 3	12.38	1.24E-33	7.77E-32	0.71
41	Tmem59	Somatotropes 3	12.31	1.71E-33	1.06E-31	0.70
42	Hsp90b1	Somatotropes 3	12.16	8.74E-33	5.23E-31	0.76
43	Tmem176a	Somatotropes 3	11.92	1.33E-31	7.51E-30	0.79
44	Sec11a	Somatotropes 3	11.78	6.96E-31	3.85E-29	0.83
45	Ghrhr	Somatotropes 3	11.49	1.76E-29	9.23E-28	1.17
46	Tmem176b	Somatotropes 3	11.46	1.98E-29	1.03E-27	0.68
47	Atp6v0b	Somatotropes 3	11.33	8.96E-29	4.49E-27	0.68
48	Prnp	Somatotropes 3	11.23	2.37E-28	1.17E-26	0.76
49	Arl1	Somatotropes 3	11.00	2.94E-27	1.38E-25	0.82
50	Ddost	Somatotropes 3	10.97	3.79E-27	1.77E-25	0.80
51	Dad1	Somatotropes 3	10.92	6.31E-27	2.92E-25	0.58
52	Cd81	Somatotropes 3	10.77	3.12E-26	1.39E-24	0.60
53	Pgrmc1	Somatotropes 3	10.77	3.22E-26	1.43E-24	0.80

54	Cnpy2	Somatotropes 3	10.67	8.50E-26	3.73E-24	0.69
55	Serinc1	Somatotropes 3	10.53	3.55E-25	1.53E-23	0.82
56	Canx	Somatotropes 3	10.42	1.02E-24	4.33E-23	0.78
57	Kcnk2	Somatotropes 3	10.41	1.16E-24	4.87E-23	0.80
58	Alcam	Somatotropes 3	10.22	7.34E-24	2.99E-22	1.01
59	Cpe	Somatotropes 3	10.15	1.47E-23	5.86E-22	0.63
60	Tm9sf3	Somatotropes 3	9.99	7.06E-23	2.74E-21	0.85
61	Ptn	Somatotropes 3	9.95	9.91E-23	3.80E-21	0.85
62	Tmbim4	Somatotropes 3	9.86	2.30E-22	8.72E-21	0.75
63	Marc2	Somatotropes 3	9.76	6.21E-22	2.29E-20	0.92
64	Pld3	Somatotropes 3	9.70	9.76E-22	3.56E-20	0.71
65	Fkbp11	Somatotropes 3	9.69	1.16E-21	4.19E-20	0.99
66	Tvp23b	Somatotropes 3	9.61	2.41E-21	8.50E-20	0.71
67	Ctsz	Somatotropes 3	9.44	1.11E-20	3.83E-19	0.80
68	Atp6ap2	Somatotropes 3	9.33	2.96E-20	9.91E-19	0.76
69	Tmed9	Somatotropes 3	9.31	3.55E-20	1.19E-18	0.68
70	Rpn2	Somatotropes 3	9.30	3.87E-20	1.29E-18	0.72
71	Tmem50a	Somatotropes 3	9.29	4.28E-20	1.42E-18	0.68
72	Igsf1	Somatotropes 3	9.24	6.68E-20	2.20E-18	0.95
73	Kdelr2	Somatotropes 3	9.21	9.20E-20	3.01E-18	0.82
74	B3galnt1	Somatotropes 3	9.19	1.13E-19	3.66E-18	1.04
75	Ssr1	Somatotropes 3	9.18	1.18E-19	3.81E-18	0.79
76	Tmem59l	Somatotropes 3	9.13	1.71E-19	5.45E-18	0.72
77	Bsg	Somatotropes 3	9.10	2.51E-19	7.87E-18	0.47
78	Armcx2	Somatotropes 3	9.05	4.01E-19	1.25E-17	0.98
79	Mageh1	Somatotropes 3	8.97	7.27E-19	2.20E-17	0.63
80	Cldn9	Somatotropes 3	8.81	2.92E-18	8.57E-17	0.80
81	Usp2	Somatotropes 3	8.81	3.08E-18	8.98E-17	0.88
82	Prkcsh	Somatotropes 3	8.74	5.43E-18	1.55E-16	0.94
83	Tmed3	Somatotropes 3	8.66	1.03E-17	2.89E-16	0.63
84	Mrap2	Somatotropes 3	8.60	1.92E-17	5.33E-16	1.06
85	Tm9sf2	Somatotropes 3	8.51	3.77E-17	1.03E-15	0.84
86	Atp1a1	Somatotropes 3	8.50	3.85E-17	1.05E-15	0.77
87	Pqlc1	Somatotropes 3	8.48	4.93E-17	1.34E-15	0.86
88	Rpn1	Somatotropes 3	8.46	5.69E-17	1.54E-15	0.77
89	P4hb	Somatotropes 3	8.46	5.80E-17	1.57E-15	0.77
90	Tmem38a	Somatotropes 3	8.44	6.53E-17	1.75E-15	0.81
91	Calr	Somatotropes 3	8.42	7.55E-17	2.02E-15	0.60
92	Armcx3	Somatotropes 3	8.40	9.23E-17	2.46E-15	0.82
93	Dhrs7	Somatotropes 3	8.33	1.59E-16	4.16E-15	0.85
94	mt-Nd5	Somatotropes 3	8.33	1.60E-16	4.18E-15	0.61
95	Tmx1	Somatotropes 3	8.31	2.00E-16	5.17E-15	0.79
96	Ociad1	Somatotropes 3	8.29	2.18E-16	5.63E-15	0.68



97	Cga	Somatotropes 3	8.23	4.76E-16	1.19E-14	0.53
98	Sepp1	Somatotropes 3	8.21	4.21E-16	1.06E-14	0.77
99	Ptprn	Somatotropes 3	8.14	7.26E-16	1.79E-14	0.73
100	Srpr	Somatotropes 3	8.11	9.38E-16	2.31E-14	0.68
1	Pdcd4	Somatotropes 4	26.54	6.60E-129	1.02E-124	1.90
2	Actb	Somatotropes 4	25.92	7.95E-118	6.13E-114	1.66
3	Kdelr2	Somatotropes 4	25.28	2.14E-117	1.10E-113	1.69
4	Cbx3	Somatotropes 4	20.78	3.85E-85	1.49E-81	1.65
5	Gnb1	Somatotropes 4	19.48	1.63E-75	5.04E-72	1.23
6	Rps6	Somatotropes 4	19.39	2.85E-71	7.35E-68	0.80
7	Rpl10	Somatotropes 4	19.05	6.20E-69	1.37E-65	0.83
8	Rpl17	Somatotropes 4	18.55	3.14E-66	6.06E-63	0.80
9	Rps23	Somatotropes 4	18.32	6.08E-65	1.04E-61	0.75
10	Rps5	Somatotropes 4	18.21	2.67E-64	4.12E-61	0.77
11	Rpl14	Somatotropes 4	17.99	5.54E-63	6.58E-60	0.73
12	Rpl37a	Somatotropes 4	17.95	5.23E-63	6.58E-60	0.76
13	Rps4x	Somatotropes 4	17.79	7.38E-62	8.13E-59	0.80
14	Rpl37	Somatotropes 4	17.73	1.32E-61	1.35E-58	0.79
15	Pam	Somatotropes 4	17.71	8.76E-64	1.23E-60	1.26
16	Rps27a	Somatotropes 4	17.69	4.25E-61	4.10E-58	0.72
17	Rps3a1	Somatotropes 4	17.35	3.09E-59	2.65E-56	0.79
18	Rps9	Somatotropes 4	17.22	1.62E-58	1.26E-55	0.75
19	Rpl34	Somatotropes 4	17.19	1.63E-58	1.26E-55	0.78
20	Marf1	Somatotropes 4	17.18	7.23E-61	6.57E-58	1.59
21	Rps14	Somatotropes 4	17.08	1.52E-57	1.11E-54	0.68
22	Rps20	Somatotropes 4	16.91	2.31E-57	1.62E-54	0.83
23	Rps19	Somatotropes 4	16.89	1.87E-56	1.19E-53	0.70
24	Rps27	Somatotropes 4	16.87	6.95E-57	4.67E-54	0.74
25	Rpl13a	Somatotropes 4	16.82	4.25E-56	2.43E-53	0.67
26	Rpl22l1	Somatotropes 4	16.74	1.92E-56	1.19E-53	0.85
27	Rps28	Somatotropes 4	16.69	2.32E-56	1.38E-53	0.88
28	Rpl41	Somatotropes 4	16.58	1.01E-54	5.38E-52	0.58
29	Rps7	Somatotropes 4	16.47	1.89E-54	9.12E-52	0.77
30	Cox7a2l	Somatotropes 4	16.37	1.13E-54	5.81E-52	0.87
31	Zscan26	Somatotropes 4	16.34	1.41E-55	7.78E-53	1.67
32	Alkbh5	Somatotropes 4	16.15	1.72E-54	8.58E-52	1.42
33	Rpl9	Somatotropes 4	16.12	1.80E-52	7.92E-50	0.72
34	Rpl32	Somatotropes 4	16.00	1.11E-51	4.63E-49	0.69
35	Rps29	Somatotropes 4	15.99	9.26E-52	3.97E-49	0.72
36	Ncam1	Somatotropes 4	15.94	3.72E-53	1.69E-50	1.26
37	Rpl3	Somatotropes 4	15.93	1.78E-51	7.24E-49	0.69
38	Rpl35a	Somatotropes 4	15.84	1.05E-50	4.03E-48	0.69

39	Rpl24	Somatotropes 4	15.82	9.81E-51	3.88E-48	0.67
40	Rpl13	Somatotropes 4	15.73	2.33E-50	8.77E-48	0.53
41	Rps13	Somatotropes 4	15.66	4.65E-50	1.67E-47	0.72
42	Rplp2	Somatotropes 4	15.65	7.31E-50	2.57E-47	0.72
43	Rps25	Somatotropes 4	15.60	1.08E-49	3.62E-47	0.73
44	Rpl36	Somatotropes 4	15.58	1.05E-49	3.60E-47	0.74
45	Runx1t1	Somatotropes 4	15.44	3.42E-50	1.26E-47	1.49
46	Rpl6	Somatotropes 4	15.42	1.26E-48	4.04E-46	0.66
47	Rps3	Somatotropes 4	15.40	2.14E-48	6.73E-46	0.67
48	Rps12	Somatotropes 4	15.40	2.91E-49	9.55E-47	0.85
49	Rps24	Somatotropes 4	15.27	8.48E-48	2.62E-45	0.73
50	Rps18	Somatotropes 4	15.16	4.19E-47	1.27E-44	0.62
51	Rpl18a	Somatotropes 4	15.07	1.27E-46	3.76E-44	0.65
52	Rpl36al	Somatotropes 4	14.84	6.49E-46	1.86E-43	0.78
53	Rap2b	Somatotropes 4	14.83	1.56E-46	4.54E-44	1.71
54	Atp6v1g1	Somatotropes 4	14.80	1.09E-45	3.05E-43	0.72
55	Rps15a	Somatotropes 4	14.68	9.70E-45	2.58E-42	0.68
56	Sec61b	Somatotropes 4	14.68	5.19E-45	1.43E-42	0.78
57	Rpl38	Somatotropes 4	14.66	9.48E-45	2.57E-42	0.72
58	Rpl21	Somatotropes 4	14.64	2.07E-44	5.43E-42	0.63
59	Rpl27a	Somatotropes 4	14.56	5.14E-44	1.30E-41	0.61
60	Gh	Somatotropes 4	14.52	4.91E-43	1.20E-40	1.32
61	Rpl4	Somatotropes 4	14.49	1.06E-43	2.64E-41	0.62
62	Rpl26	Somatotropes 4	14.40	5.58E-43	1.35E-40	0.65
63	Rps16	Somatotropes 4	14.23	2.45E-42	5.73E-40	0.65
64	Pfdn5	Somatotropes 4	14.21	2.01E-42	4.78E-40	0.71
65	Rpl36a	Somatotropes 4	14.12	4.95E-42	1.14E-39	0.69
66	Eef1a1	Somatotropes 4	14.04	2.56E-41	5.64E-39	0.53
67	Rpl23a	Somatotropes 4	14.01	2.15E-41	4.81E-39	0.66
68	Rpl12	Somatotropes 4	13.96	1.97E-41	4.47E-39	0.79
69	Rplp0	Somatotropes 4	13.89	1.10E-40	2.39E-38	0.65
70	Rpl11	Somatotropes 4	13.85	2.57E-40	5.43E-38	0.56
71	Rps17	Somatotropes 4	13.77	5.45E-40	1.14E-37	0.65
72	Rps8	Somatotropes 4	13.76	9.57E-40	1.97E-37	0.55
73	Paip1	Somatotropes 4	13.70	2.05E-40	4.41E-38	1.48
74	Rpl35	Somatotropes 4	13.64	1.68E-39	3.36E-37	0.71
75	Rpl19	Somatotropes 4	13.64	2.88E-39	5.70E-37	0.58
76	Rps21	Somatotropes 4	13.64	1.24E-39	2.52E-37	0.68
77	Rps10	Somatotropes 4	13.46	1.39E-38	2.65E-36	0.69
78	Wtap	Somatotropes 4	13.44	4.81E-39	9.39E-37	1.32
79	St13	Somatotropes 4	13.43	4.94E-39	9.53E-37	0.98
80	Rpl8	Somatotropes 4	13.40	4.45E-38	8.18E-36	0.54
81	Sec61g	Somatotropes 4	13.37	3.39E-38	6.31E-36	0.70

82	Rpgrip1	Somatotropes 4	13.34	1.99E-38	3.75E-36	1.85
83	Fau	Somatotropes 4	13.34	1.06E-37	1.89E-35	0.60
84	Gm10076	Somatotropes 4	13.26	8.71E-38	1.56E-35	0.77
85	Snhg18	Somatotropes 4	13.21	6.81E-38	1.24E-35	1.06
86	Eif3f	Somatotropes 4	13.15	3.24E-37	5.68E-35	0.69
87	Rpl31	Somatotropes 4	13.10	9.85E-37	1.69E-34	0.61
88	Prune2	Somatotropes 4	13.06	4.16E-37	7.21E-35	1.09
89	Rpl7	Somatotropes 4	12.83	2.68E-35	4.44E-33	0.58
90	Bhlhe41	Somatotropes 4	12.67	5.13E-35	8.43E-33	1.63
91	Tpt1	Somatotropes 4	12.59	3.32E-34	5.34E-32	0.61
92	Dpysl2	Somatotropes 4	12.59	1.07E-34	1.75E-32	1.04
93	Rpl23	Somatotropes 4	12.56	5.92E-34	9.32E-32	0.57
94	Rpl30	Somatotropes 4	12.42	1.52E-33	2.38E-31	0.65
95	Rps2	Somatotropes 4	12.31	6.61E-33	1.01E-30	0.56
96	Rpsa	Somatotropes 4	12.26	9.98E-33	1.51E-30	0.61
97	Rps11	Somatotropes 4	12.25	1.61E-32	2.34E-30	0.60
98	Atp5e	Somatotropes 4	12.23	1.25E-32	1.84E-30	0.66
99	Supt16	Somatotropes 4	12.18	1.19E-32	1.77E-30	1.52
100	Rps26	Somatotropes 4	12.14	2.80E-32	4.03E-30	0.66
1	mt-Co3	Somatotropes 5	50.01	2.11E-299	3.26E-295	2.23
2	mt-Atp6	Somatotropes 5	47.67	1.60E-282	1.24E-278	2.10
3	mt-Cytb	Somatotropes 5	45.69	6.80E-272	3.50E-268	2.15
4	mt-Nd1	Somatotropes 5	45.05	1.72E-268	6.63E-265	2.24
5	mt-Nd4	Somatotropes 5	44.80	1.16E-263	3.59E-260	2.18
6	mt-Co2	Somatotropes 5	42.40	2.46E-250	6.34E-247	2.01
7	mt-Co1	Somatotropes 5	40.48	1.48E-230	3.26E-227	1.92
8	Gh	Somatotropes 5	28.28	1.23E-123	2.38E-120	2.69
9	Dlk1	Somatotropes 5	24.86	1.21E-104	1.87E-101	1.93
10	mt-Nd2	Somatotropes 5	24.42	1.17E-109	2.01E-106	1.60
11	Hspa5	Somatotropes 5	23.15	1.84E-100	2.37E-97	1.58
12	Pomc	Somatotropes 5	19.11	6.72E-69	1.18E-66	1.29
13	Cga	Somatotropes 5	18.85	2.21E-67	3.48E-65	1.36
14	mt-Nd3	Somatotropes 5	18.63	3.74E-68	6.15E-66	1.77
15	Pld3	Somatotropes 5	17.12	3.58E-59	4.22E-57	1.53
16	Prl	Somatotropes 5	16.12	2.25E-51	2.09E-49	1.16
17	Hsp90b1	Somatotropes 5	15.96	2.52E-52	2.42E-50	1.28
18	Itm2b	Somatotropes 5	15.52	3.45E-50	3.03E-48	0.77
19	Cpe	Somatotropes 5	13.70	4.74E-40	2.84E-38	1.09
20	mt-Nd5	Somatotropes 5	12.82	2.12E-35	1.06E-33	1.16
21	Chgb	Somatotropes 5	12.09	5.02E-32	2.16E-30	1.09
22	Rpn2	Somatotropes 5	12.07	1.01E-31	4.33E-30	1.21
23	Epcam	Somatotropes 5	11.76	1.76E-30	7.13E-29	0.94

24	5330417C22Rik	Somatotropes 5	11.52	3.30E-29	1.25E-27	1.09
25	Gm26699	Somatotropes 5	11.09	4.18E-27	1.44E-25	1.52
26	Stt3a	Somatotropes 5	10.83	4.68E-26	1.53E-24	1.33
27	Sec62	Somatotropes 5	10.12	4.03E-23	1.18E-21	0.85
28	Pdia6	Somatotropes 5	9.91	2.75E-22	7.76E-21	0.93
29	Ptprn	Somatotropes 5	9.79	8.26E-22	2.27E-20	1.09
30	Pdia3	Somatotropes 5	9.68	2.13E-21	5.66E-20	0.79
31	mt-Nd4l	Somatotropes 5	9.67	2.68E-21	7.07E-20	1.22
32	Laptm4a	Somatotropes 5	9.66	2.31E-21	6.10E-20	0.67
33	Maged1	Somatotropes 5	9.59	5.04E-21	1.31E-19	0.82
34	Son	Somatotropes 5	9.10	3.95E-19	9.22E-18	0.83
35	Pappa2	Somatotropes 5	8.90	2.71E-18	5.92E-17	1.65
36	Rpn1	Somatotropes 5	8.73	8.53E-18	1.81E-16	1.01
37	Ghrhr	Somatotropes 5	8.59	2.74E-17	5.63E-16	1.15
38	Tshb	Somatotropes 5	8.43	8.31E-17	1.66E-15	1.01
39	Serinc1	Somatotropes 5	8.37	1.59E-16	3.13E-15	0.86
40	Serpini1	Somatotropes 5	8.13	1.16E-15	2.16E-14	1.28
41	Lhb	Somatotropes 5	7.69	2.72E-14	4.65E-13	0.85
42	Gm42418	Somatotropes 5	7.66	3.58E-14	6.04E-13	0.89
43	Rbm4b	Somatotropes 5	7.63	5.13E-14	8.54E-13	1.00
44	Meg3	Somatotropes 5	7.38	2.67E-13	4.23E-12	0.71
45	P4ha2	Somatotropes 5	7.28	6.35E-13	9.68E-12	1.31
46	Gpc4	Somatotropes 5	7.14	1.66E-12	2.43E-11	0.93
47	Rcn3	Somatotropes 5	7.10	2.21E-12	3.21E-11	0.82
48	Hspa8	Somatotropes 5	7.09	2.26E-12	3.28E-11	0.50
49	Scg2	Somatotropes 5	6.68	3.56E-11	4.68E-10	0.63
50	Glt8d1	Somatotropes 5	6.25	5.83E-10	6.78E-09	0.84
51	Emb	Somatotropes 5	6.21	7.28E-10	8.41E-09	0.67
52	Ttc14	Somatotropes 5	6.12	1.25E-09	1.40E-08	0.69
53	Resp18	Somatotropes 5	6.11	1.33E-09	1.48E-08	0.48
54	Slc33a1	Somatotropes 5	6.10	1.47E-09	1.64E-08	1.12
55	Lamp2	Somatotropes 5	6.02	2.31E-09	2.51E-08	0.76
56	Calr	Somatotropes 5	5.96	3.21E-09	3.44E-08	0.58
57	Ikbip	Somatotropes 5	5.96	3.34E-09	3.56E-08	0.84
58	Efemp1	Somatotropes 5	5.93	4.00E-09	4.24E-08	0.89
59	Igsf1	Somatotropes 5	5.78	9.83E-09	1.00E-07	0.79
60	Scnn1b	Somatotropes 5	5.71	1.45E-08	1.45E-07	1.42
61	Fetub	Somatotropes 5	5.63	2.24E-08	2.19E-07	1.04
62	Ddx26b	Somatotropes 5	5.62	2.52E-08	2.46E-07	1.29
63	Tmem176b	Somatotropes 5	5.57	3.21E-08	3.09E-07	0.47
64	Lrrc24	Somatotropes 5	5.55	3.68E-08	3.51E-07	0.97
65	Entpd3	Somatotropes 5	5.55	3.79E-08	3.61E-07	1.61
66	Pcolce	Somatotropes 5	5.52	4.13E-08	3.92E-07	1.16

67	Pcsk1	Somatotropes 5	5.50	4.58E-08	4.31E-07	0.96
68	App	Somatotropes 5	5.50	4.59E-08	4.32E-07	0.58
69	Malat1	Somatotropes 5	5.41	7.92E-08	7.20E-07	0.42
70	Slc38a10	Somatotropes 5	5.33	1.15E-07	1.03E-06	0.71
71	Lmbrd1	Somatotropes 5	5.25	1.83E-07	1.59E-06	0.94
72	Alcam	Somatotropes 5	5.24	1.87E-07	1.62E-06	0.70
73	Ddost	Somatotropes 5	5.24	1.94E-07	1.68E-06	0.53
74	Huwe1	Somatotropes 5	5.21	2.21E-07	1.90E-06	0.85
75	Atp6ap2	Somatotropes 5	5.12	3.52E-07	2.94E-06	0.56
76	Gpr108	Somatotropes 5	5.08	4.35E-07	3.59E-06	0.96
77	Cpq	Somatotropes 5	4.99	6.73E-07	5.42E-06	0.60
78	Atp1a1	Somatotropes 5	4.92	9.78E-07	7.67E-06	0.59
79	Tram1	Somatotropes 5	4.90	1.09E-06	8.45E-06	0.52
80	Tap2	Somatotropes 5	4.89	1.16E-06	9.01E-06	0.94
81	Ceacam10	Somatotropes 5	4.87	1.26E-06	9.70E-06	0.91
82	Pdia4	Somatotropes 5	4.81	1.75E-06	1.31E-05	0.74
83	Copb1	Somatotropes 5	4.80	1.82E-06	1.36E-05	0.64
84	Myo15	Somatotropes 5	4.79	1.88E-06	1.40E-05	1.41
85	Erap1	Somatotropes 5	4.76	2.17E-06	1.60E-05	1.41
86	Wnt10a	Somatotropes 5	4.70	2.86E-06	2.07E-05	0.89
87	Ubc	Somatotropes 5	4.66	3.45E-06	2.45E-05	0.43
88	Cd27	Somatotropes 5	4.62	4.29E-06	3.01E-05	1.30
89	Srpr	Somatotropes 5	4.62	4.29E-06	3.00E-05	0.52
90	Cadm1	Somatotropes 5	4.56	5.56E-06	3.82E-05	0.52
91	Ccpg1	Somatotropes 5	4.56	5.76E-06	3.94E-05	0.72
92	Gabrg2	Somatotropes 5	4.54	6.17E-06	4.19E-05	0.86
93	Dpy19l4	Somatotropes 5	4.53	6.49E-06	4.39E-05	0.92
94	Psap	Somatotropes 5	4.45	9.38E-06	6.18E-05	0.42
95	Gaa	Somatotropes 5	4.45	9.57E-06	6.29E-05	0.60
96	Cd63	Somatotropes 5	4.41	1.10E-05	7.15E-05	0.35
97	P3h1	Somatotropes 5	4.36	1.41E-05	9.05E-05	1.08
98	Luc7l2	Somatotropes 5	4.31	1.76E-05	1.11E-04	0.45
99	Rnf128	Somatotropes 5	4.31	1.78E-05	1.12E-04	0.80
100	Scarb2	Somatotropes 5	4.25	2.31E-05	1.42E-04	0.71
1	Junb	Somatotropes 6	34.31	1.02E-183	1.57E-179	2.94
2	Fos	Somatotropes 6	31.63	1.88E-165	1.45E-161	3.08
3	Ier2	Somatotropes 6	26.78	6.87E-127	3.53E-123	2.83
4	Jund	Somatotropes 6	19.39	3.94E-74	1.52E-70	1.27
5	Egr1	Somatotropes 6	18.53	3.03E-68	9.34E-65	2.19
6	Rps6	Somatotropes 6	17.05	2.64E-56	6.79E-53	0.76
7	Rpl10	Somatotropes 6	16.63	5.96E-54	1.31E-50	0.78
8	Rps3a1	Somatotropes 6	16.08	4.04E-51	7.80E-48	0.78

9	Rpl17	Somatotropes 6	15.80	1.02E-49	1.58E-46	0.74
10	Rps27a	Somatotropes 6	15.78	1.50E-49	2.11E-46	0.70
11	Dnajb1	Somatotropes 6	15.71	1.05E-50	1.81E-47	2.03
12	Rps4x	Somatotropes 6	15.53	2.05E-48	2.64E-45	0.76
13	Rps9	Somatotropes 6	15.30	4.03E-47	4.78E-44	0.72
14	Rps23	Somatotropes 6	15.27	5.27E-47	5.81E-44	0.68
15	Rps7	Somatotropes 6	15.07	5.98E-46	6.15E-43	0.75
16	Rpl3	Somatotropes 6	15.05	8.05E-46	7.77E-43	0.69
17	Rps14	Somatotropes 6	14.98	2.42E-45	2.08E-42	0.64
18	Rpl14	Somatotropes 6	14.92	4.70E-45	3.82E-42	0.66
19	Rps5	Somatotropes 6	14.74	3.35E-44	2.59E-41	0.68
20	Rpl22l1	Somatotropes 6	14.62	6.96E-44	5.11E-41	0.79
21	Rps19	Somatotropes 6	14.38	2.18E-42	1.53E-39	0.65
22	Rpl13a	Somatotropes 6	14.18	2.75E-41	1.84E-38	0.61
23	Cox7a2l	Somatotropes 6	13.98	7.03E-41	4.52E-38	0.80
24	Rps3	Somatotropes 6	13.89	7.00E-40	4.32E-37	0.64
25	Btg2	Somatotropes 6	13.55	2.38E-39	1.41E-36	1.28
26	Rpl9	Somatotropes 6	13.51	5.49E-38	3.03E-35	0.65
27	Rpl41	Somatotropes 6	13.50	6.55E-38	3.49E-35	0.52
28	Rps24	Somatotropes 6	13.43	1.28E-37	6.61E-35	0.68
29	Rpl32	Somatotropes 6	13.28	7.47E-37	3.49E-34	0.61
30	Rps13	Somatotropes 6	13.26	5.48E-37	2.64E-34	0.66
31	Rps10	Somatotropes 6	13.17	1.41E-36	6.22E-34	0.70
32	Rpl12	Somatotropes 6	13.13	1.09E-36	4.93E-34	0.78
33	Rpl4	Somatotropes 6	13.12	3.28E-36	1.41E-33	0.60
34	Rps20	Somatotropes 6	13.01	6.80E-36	2.84E-33	0.70
35	Zfp36	Somatotropes 6	12.92	7.99E-36	3.24E-33	2.10
36	Rpl37a	Somatotropes 6	12.88	5.94E-35	2.35E-32	0.59
37	Rplp0	Somatotropes 6	12.81	6.61E-35	2.55E-32	0.64
38	Rpl13	Somatotropes 6	12.81	9.07E-35	3.41E-32	0.47
39	Rps15a	Somatotropes 6	12.76	1.84E-34	6.62E-32	0.62
40	Rpl26	Somatotropes 6	12.72	3.37E-34	1.18E-31	0.62
41	Tpt1	Somatotropes 6	12.65	4.71E-34	1.55E-31	0.64
42	Rpl27a	Somatotropes 6	12.65	4.56E-34	1.55E-31	0.58
43	Rpl36al	Somatotropes 6	12.60	6.28E-34	2.02E-31	0.70
44	Rpl24	Somatotropes 6	12.57	1.46E-33	4.41E-31	0.58
45	Atp6v1g1	Somatotropes 6	12.56	1.04E-33	3.29E-31	0.65
46	Rpl34	Somatotropes 6	12.50	3.34E-33	9.72E-31	0.62
47	Rps2	Somatotropes 6	12.48	2.79E-33	8.30E-31	0.59
48	Rpl37	Somatotropes 6	12.46	4.91E-33	1.40E-30	0.61
49	Rpl8	Somatotropes 6	12.40	7.44E-33	2.09E-30	0.54
50	Sec61b	Somatotropes 6	12.35	7.67E-33	2.11E-30	0.71
51	Rps16	Somatotropes 6	12.25	3.97E-32	1.07E-29	0.60

52	Eef1a1	Somatotropes 6	12.23	4.84E-32	1.29E-29	0.49
53	Rpl6	Somatotropes 6	12.17	9.58E-32	2.46E-29	0.56
54	Jun	Somatotropes 6	12.05	8.22E-32	2.15E-29	1.56
55	Eef1g	Somatotropes 6	12.04	2.58E-31	6.43E-29	0.57
56	Rplp2	Somatotropes 6	11.98	7.32E-31	1.71E-28	0.60
57	Rpl35a	Somatotropes 6	11.95	1.12E-30	2.59E-28	0.56
58	Rps18	Somatotropes 6	11.94	1.27E-30	2.89E-28	0.53
59	Rpsa	Somatotropes 6	11.93	6.99E-31	1.69E-28	0.63
60	Snhg18	Somatotropes 6	11.85	7.25E-31	1.71E-28	1.00
61	Eif3f	Somatotropes 6	11.80	2.39E-30	5.34E-28	0.66
62	Rps25	Somatotropes 6	11.79	5.04E-30	1.10E-27	0.60
63	Rpl18a	Somatotropes 6	11.77	6.05E-30	1.30E-27	0.55
64	Rps12	Somatotropes 6	11.77	3.38E-30	7.46E-28	0.70
65	Naca	Somatotropes 6	11.65	1.46E-29	3.05E-27	0.62
66	Rpl21	Somatotropes 6	11.63	2.73E-29	5.54E-27	0.54
67	Gabarap	Somatotropes 6	11.63	1.48E-29	3.05E-27	0.64
68	Bmyc	Somatotropes 6	11.61	1.12E-29	2.36E-27	0.79
69	Gh	Somatotropes 6	11.51	2.11E-28	4.13E-26	1.12
70	Rps8	Somatotropes 6	11.46	1.60E-28	3.16E-26	0.49
71	Rpl23a	Somatotropes 6	11.45	1.29E-28	2.58E-26	0.57
72	Rps27	Somatotropes 6	11.41	2.41E-28	4.65E-26	0.54
73	Rpl11	Somatotropes 6	11.38	3.18E-28	6.04E-26	0.50
74	Rps17	Somatotropes 6	11.36	3.21E-28	6.04E-26	0.58
75	Rps11	Somatotropes 6	11.21	1.40E-27	2.57E-25	0.59
76	Rpl36	Somatotropes 6	11.20	1.93E-27	3.50E-25	0.57
77	Pfdn5	Somatotropes 6	11.14	2.62E-27	4.70E-25	0.61
78	Rpl36a	Somatotropes 6	11.11	3.59E-27	6.36E-25	0.59
79	Rpl7	Somatotropes 6	11.10	4.44E-27	7.78E-25	0.54
80	Rps29	Somatotropes 6	11.09	5.79E-27	1.00E-24	0.54
81	Rpl31	Somatotropes 6	11.00	1.32E-26	2.23E-24	0.54
82	Rps28	Somatotropes 6	10.81	6.21E-26	1.04E-23	0.63
83	Rpl23	Somatotropes 6	10.73	1.89E-25	3.08E-23	0.52
84	Fau	Somatotropes 6	10.66	3.74E-25	5.95E-23	0.52
85	Rpl19	Somatotropes 6	10.65	4.00E-25	6.30E-23	0.49
86	Stk32c	Somatotropes 6	10.59	2.97E-25	4.77E-23	1.01
87	Rpl30	Somatotropes 6	10.59	5.28E-25	8.23E-23	0.58
88	Ubb	Somatotropes 6	10.52	7.07E-25	1.09E-22	0.40
89	Srp9	Somatotropes 6	10.44	1.59E-24	2.43E-22	0.68
90	Rpl35	Somatotropes 6	10.37	4.88E-24	7.31E-22	0.59
91	Hspa1a	Somatotropes 6	10.36	3.38E-24	5.11E-22	1.43
92	Sec61g	Somatotropes 6	10.34	5.85E-24	8.69E-22	0.58
93	Rpl29	Somatotropes 6	10.33	6.05E-24	8.90E-22	0.58
94	Gnb2l1	Somatotropes 6	10.30	6.11E-24	8.90E-22	0.65

95	Rpl5	Somatotropes 6	10.16	2.65E-23	3.83E-21	0.59
96	Rps21	Somatotropes 6	10.13	4.22E-23	6.04E-21	0.54
97	Atp5g1	Somatotropes 6	10.09	5.37E-23	7.58E-21	0.58
98	Htatsf1	Somatotropes 6	10.07	5.40E-23	7.58E-21	0.74
99	Gadd45a	Somatotropes 6	9.90	2.17E-22	3.02E-20	1.02
100	Rpl7a	Somatotropes 6	9.82	6.60E-22	9.10E-20	0.56
1	Gh	Somatotropes 7	15.17	3.07E-42	4.74E-38	1.95
2	Dlk1	Somatotropes 7	11.22	4.38E-26	3.38E-22	1.17
3	Meg3	Somatotropes 7	7.66	1.05E-13	3.23E-10	0.72
4	mt-Co3	Somatotropes 7	6.94	1.17E-11	2.36E-08	0.43
5	mt-Co2	Somatotropes 7	6.54	1.47E-10	2.53E-07	0.40
6	mt-Nd1	Somatotropes 7	6.48	2.03E-10	3.14E-07	0.44
7	Ghrhr	Somatotropes 7	6.36	3.34E-10	4.69E-07	0.91
8	Myo1b	Somatotropes 7	6.20	9.36E-10	1.20E-06	0.88
9	Htatsf1	Somatotropes 7	6.02	2.65E-09	2.92E-06	0.62
10	mt-Cytb	Somatotropes 7	5.87	7.51E-09	6.44E-06	0.38
11	mt-Nd4	Somatotropes 7	5.83	9.35E-09	7.60E-06	0.39
12	5330417C22Rik	Somatotropes 7	5.77	1.15E-08	8.86E-06	0.59
13	Nebi	Somatotropes 7	5.65	2.24E-08	1.44E-05	0.85
14	Eef1a1	Somatotropes 7	5.64	2.59E-08	1.60E-05	0.31
15	Dnajb9	Somatotropes 7	5.48	5.67E-08	3.13E-05	0.60
16	Cd63	Somatotropes 7	5.46	6.65E-08	3.42E-05	0.45
17	mt-Atp6	Somatotropes 7	5.38	1.11E-07	5.35E-05	0.33
18	Peg3	Somatotropes 7	5.31	1.46E-07	6.58E-05	0.52
19	Usp2	Somatotropes 7	5.30	1.49E-07	6.58E-05	0.74
20	Mrap2	Somatotropes 7	5.22	2.34E-07	9.22E-05	0.89
21	Spcs2	Somatotropes 7	5.18	2.83E-07	1.07E-04	0.41
22	Rpl14	Somatotropes 7	5.16	3.49E-07	1.25E-04	0.31
23	mt-Co1	Somatotropes 7	5.14	3.83E-07	1.34E-04	0.32
24	Resp18	Somatotropes 7	5.07	5.30E-07	1.78E-04	0.46
25	Fbxo9	Somatotropes 7	5.04	5.85E-07	1.92E-04	0.64
26	Pcsk6	Somatotropes 7	4.95	9.18E-07	2.78E-04	0.87
27	Plagl1	Somatotropes 7	4.94	9.72E-07	2.83E-04	0.64
28	Pappa2	Somatotropes 7	4.92	1.04E-06	2.97E-04	1.02
29	Ncam1	Somatotropes 7	4.88	1.28E-06	3.59E-04	0.62
30	Arhgap36	Somatotropes 7	4.87	1.39E-06	3.82E-04	1.02
31	Stk32c	Somatotropes 7	4.82	1.71E-06	4.43E-04	0.67
32	Alcam	Somatotropes 7	4.82	1.72E-06	4.43E-04	0.68
33	Tspan13	Somatotropes 7	4.81	1.85E-06	4.62E-04	0.45
34	Dapl1	Somatotropes 7	4.78	2.08E-06	5.02E-04	0.71
35	Syt1	Somatotropes 7	4.61	4.68E-06	9.89E-04	0.67
36	Rps4x	Somatotropes 7	4.56	6.12E-06	1.20E-03	0.31



37	Selk	Somatotropes 7	4.56	5.94E-06	1.18E-03	0.32
38	Manf	Somatotropes 7	4.53	6.94E-06	1.29E-03	0.37
39	5330429C05Rik	Somatotropes 7	4.44	1.02E-05	1.80E-03	0.74
40	Rps6	Somatotropes 7	4.44	1.08E-05	1.85E-03	0.27
41	Dst	Somatotropes 7	4.44	1.03E-05	1.80E-03	0.67
42	P4hb	Somatotropes 7	4.40	1.23E-05	2.09E-03	0.56
43	Man2a1	Somatotropes 7	4.38	1.34E-05	2.20E-03	0.77
44	Vimp	Somatotropes 7	4.34	1.59E-05	2.47E-03	0.41
45	5330434G04Rik	Somatotropes 7	4.31	1.84E-05	2.76E-03	0.75
46	Sec23ip	Somatotropes 7	4.31	1.86E-05	2.76E-03	0.78
47	Syt14	Somatotropes 7	4.28	2.07E-05	2.93E-03	0.62
48	Ptprk	Somatotropes 7	4.28	2.14E-05	3.00E-03	0.83
49	Sec62	Somatotropes 7	4.20	2.94E-05	3.87E-03	0.36
50	Tram1	Somatotropes 7	4.17	3.44E-05	4.38E-03	0.45
51	Gpr153	Somatotropes 7	4.15	3.68E-05	4.51E-03	0.80
52	Rpl4	Somatotropes 7	4.13	4.08E-05	4.88E-03	0.27
53	Eef1g	Somatotropes 7	4.11	4.31E-05	5.12E-03	0.30
54	Car10	Somatotropes 7	4.11	4.39E-05	5.12E-03	0.73
55	Aldh6a1	Somatotropes 7	4.08	4.90E-05	5.56E-03	0.71
56	Rrbp1	Somatotropes 7	4.06	5.52E-05	6.13E-03	0.42
57	Nqo1	Somatotropes 7	4.04	5.84E-05	6.40E-03	0.77
58	Rpl21	Somatotropes 7	4.03	6.41E-05	6.92E-03	0.25
59	Igf1r	Somatotropes 7	4.02	6.40E-05	6.92E-03	0.69
60	Pou1f1	Somatotropes 7	4.01	6.81E-05	7.15E-03	0.45
61	Dnah9	Somatotropes 7	3.95	8.66E-05	8.74E-03	1.08
62	Homer2	Somatotropes 7	3.94	9.05E-05	8.84E-03	0.61
63	Gpc4	Somatotropes 7	3.92	9.74E-05	9.24E-03	0.56
64	Eef2	Somatotropes 7	3.89	1.11E-04	1.04E-02	0.28
65	Igsf1	Somatotropes 7	3.86	1.21E-04	1.12E-02	0.58
66	mt-Nd2	Somatotropes 7	3.86	1.25E-04	1.14E-02	0.30
67	Rpl36a	Somatotropes 7	3.85	1.30E-04	1.16E-02	0.29
68	Prlr	Somatotropes 7	3.83	1.37E-04	1.22E-02	0.62
69	Pnmal2	Somatotropes 7	3.81	1.52E-04	1.31E-02	0.41
70	Rpl24	Somatotropes 7	3.81	1.56E-04	1.32E-02	0.25
71	Atg9b	Somatotropes 7	3.78	1.66E-04	1.36E-02	0.70
72	Rpn1	Somatotropes 7	3.78	1.67E-04	1.36E-02	0.49
73	Dopey2	Somatotropes 7	3.76	1.85E-04	1.46E-02	1.12
74	Bbx	Somatotropes 7	3.76	1.85E-04	1.46E-02	0.46
75	Fads1	Somatotropes 7	3.71	2.24E-04	1.71E-02	0.73
76	Syt11	Somatotropes 7	3.69	2.44E-04	1.83E-02	0.72
77	Whrn	Somatotropes 7	3.68	2.46E-04	1.83E-02	0.67
78	Myo5a	Somatotropes 7	3.65	2.80E-04	2.00E-02	0.68
79	BC026585	Somatotropes 7	3.65	2.83E-04	2.00E-02	0.59

80	Slc25a33	Somatotropes 7	3.63	3.01E-04	2.11E-02	0.59
81	Ern1	Somatotropes 7	3.62	3.12E-04	2.13E-02	0.91
82	B3galnt1	Somatotropes 7	3.62	3.19E-04	2.16E-02	0.60
83	Fkbp11	Somatotropes 7	3.61	3.29E-04	2.19E-02	0.54
84	Eif3f	Somatotropes 7	3.59	3.57E-04	2.34E-02	0.30
85	Ptprn	Somatotropes 7	3.58	3.67E-04	2.37E-02	0.46
86	mt-Nd4l	Somatotropes 7	3.57	3.74E-04	2.40E-02	0.49
87	Rps8	Somatotropes 7	3.57	3.87E-04	2.41E-02	0.21
88	Tspan5	Somatotropes 7	3.56	3.87E-04	2.41E-02	0.66
89	Eef1b2	Somatotropes 7	3.56	3.91E-04	2.42E-02	0.34
90	Zbtb20	Somatotropes 7	3.55	4.10E-04	2.50E-02	0.30
91	Kif5c	Somatotropes 7	3.55	4.13E-04	2.51E-02	0.49
92	Prnp	Somatotropes 7	3.55	4.15E-04	2.51E-02	0.34
93	Mageh1	Somatotropes 7	3.54	4.23E-04	2.52E-02	0.34
94	Kidins220	Somatotropes 7	3.51	4.69E-04	2.69E-02	0.77
95	Pcdh20	Somatotropes 7	3.51	4.80E-04	2.72E-02	1.33
96	Sorl1	Somatotropes 7	3.51	4.83E-04	2.73E-02	0.62
97	Stt3a	Somatotropes 7	3.46	5.63E-04	3.07E-02	0.48
98	Spcs3	Somatotropes 7	3.45	5.88E-04	3.16E-02	0.57
99	Zfhx2	Somatotropes 7	3.44	6.07E-04	3.22E-02	0.67
100	P4ha2	Somatotropes 7	3.44	6.23E-04	3.27E-02	0.69
1	Cga	Somatotropes 8	16.46	4.49E-48	6.93E-44	2.08
2	Pomc	Somatotropes 8	16.16	1.96E-44	1.51E-40	1.76
3	Prl	Somatotropes 8	13.95	5.83E-35	1.50E-31	1.60
4	Gh	Somatotropes 8	10.99	4.54E-25	4.68E-22	1.96
5	Tshb	Somatotropes 8	9.05	5.57E-18	2.96E-15	2.04
6	Lhb	Somatotropes 8	8.99	4.41E-18	2.52E-15	1.57
7	Chgb	Somatotropes 8	8.18	2.22E-15	7.44E-13	1.22
8	Dlk1	Somatotropes 8	7.02	7.52E-12	8.93E-10	1.02
9	Scg2	Somatotropes 8	5.83	9.46E-09	3.99E-07	0.90
10	Rbm4b	Somatotropes 8	5.78	1.48E-08	5.83E-07	1.28
11	Gm26699	Somatotropes 8	5.38	1.25E-07	3.85E-06	1.29
12	Hspa5	Somatotropes 8	5.18	3.34E-07	8.96E-06	0.71
13	Fshb	Somatotropes 8	4.48	9.21E-06	1.55E-04	1.14
14	Gm42418	Somatotropes 8	4.32	1.92E-05	2.82E-04	0.84
15	Zscan26	Somatotropes 8	4.13	4.37E-05	5.68E-04	1.08
16	Oacyl	Somatotropes 8	3.89	1.16E-04	1.29E-03	2.39
17	Igf2bp3	Somatotropes 8	3.84	1.46E-04	1.55E-03	1.31
18	Pld3	Somatotropes 8	3.83	1.48E-04	1.56E-03	0.65
19	Pcsk2	Somatotropes 8	3.77	1.84E-04	1.87E-03	1.37
20	Chkb	Somatotropes 8	3.56	4.12E-04	3.68E-03	1.05
21	Reps2	Somatotropes 8	3.13	1.90E-03	1.27E-02	1.14

22	Uvssa	Somatotropes 8	3.10	2.03E-03	1.34E-02	0.88
23	Epha5	Somatotropes 8	3.09	2.12E-03	1.39E-02	1.07
24	Gm26724	Somatotropes 8	3.07	2.30E-03	1.49E-02	1.30
25	Resp18	Somatotropes 8	2.99	2.94E-03	1.80E-02	0.40
26	Cd27	Somatotropes 8	2.93	3.62E-03	2.12E-02	1.30
27	Fam19a1	Somatotropes 8	2.92	3.79E-03	2.20E-02	3.03
28	Inha	Somatotropes 8	2.89	4.10E-03	2.34E-02	1.54
29	Lrrc45	Somatotropes 8	2.89	4.07E-03	2.33E-02	1.13
30	Hmcn1	Somatotropes 8	2.88	4.16E-03	2.36E-02	1.52
31	Akap8l	Somatotropes 8	2.88	4.22E-03	2.38E-02	0.78
32	Abhd2	Somatotropes 8	2.81	5.15E-03	2.76E-02	1.11
33	E130102H24Rik	Somatotropes 8	2.78	5.63E-03	2.97E-02	1.41
34	Snhg11	Somatotropes 8	2.78	5.60E-03	2.96E-02	1.06
35	Pam	Somatotropes 8	2.75	6.22E-03	3.22E-02	0.52
36	Kmt2d	Somatotropes 8	2.74	6.41E-03	3.31E-02	0.86
37	Slc25a36	Somatotropes 8	2.70	7.13E-03	3.58E-02	0.86
38	Ankef1	Somatotropes 8	2.68	7.68E-03	3.78E-02	1.92
39	Sirt7	Somatotropes 8	2.66	8.06E-03	3.94E-02	0.88
40	Dnm3	Somatotropes 8	2.63	8.97E-03	4.28E-02	0.76
41	Chuk	Somatotropes 8	2.62	9.14E-03	4.34E-02	0.77
42	Gm17354	Somatotropes 8	2.57	1.05E-02	4.85E-02	1.51
43	Snhg20	Somatotropes 8	2.55	1.12E-02	5.08E-02	0.61
44	Rpn2	Somatotropes 8	2.54	1.15E-02	5.18E-02	0.46
45	Hspa1a	Somatotropes 8	2.53	1.17E-02	5.25E-02	0.62
46	Atg16l2	Somatotropes 8	2.52	1.20E-02	5.34E-02	1.12
47	Mroh1	Somatotropes 8	2.49	1.32E-02	5.74E-02	1.08
48	Scn2a1	Somatotropes 8	2.48	1.37E-02	5.89E-02	1.87
49	Sag	Somatotropes 8	2.37	1.82E-02	7.32E-02	1.38
50	Ggt7	Somatotropes 8	2.36	1.86E-02	7.39E-02	0.78
51	Paxbp1	Somatotropes 8	2.35	1.91E-02	7.58E-02	0.88
52	Tmc4	Somatotropes 8	2.34	1.98E-02	7.76E-02	0.60
53	Pcdh11x	Somatotropes 8	2.32	2.07E-02	8.01E-02	1.80
54	Tmem108	Somatotropes 8	2.32	2.08E-02	8.05E-02	1.00
55	Gm26518	Somatotropes 8	2.30	2.21E-02	8.37E-02	1.55
56	Erdr1	Somatotropes 8	2.29	2.24E-02	8.49E-02	0.77
57	Nop56	Somatotropes 8	2.29	2.26E-02	8.52E-02	0.57
58	Echdc2	Somatotropes 8	2.28	2.33E-02	8.70E-02	1.23
59	Pax7	Somatotropes 8	2.26	2.45E-02	9.08E-02	2.49
60	Ric1	Somatotropes 8	2.23	2.65E-02	9.59E-02	1.15
61	Slc17a9	Somatotropes 8	2.23	2.65E-02	9.59E-02	1.02
62	Ldhd	Somatotropes 8	2.21	2.74E-02	9.87E-02	1.14
63	Notch2	Somatotropes 8	2.19	2.91E-02	1.03E-01	0.84
64	Ampd2	Somatotropes 8	2.16	3.17E-02	1.10E-01	0.96

65	Fxyd4	Somatotropes 8	2.13	3.40E-02	1.15E-01	1.93
66	Ttc14	Somatotropes 8	2.12	3.50E-02	1.18E-01	0.42
67	Stt3a	Somatotropes 8	2.11	3.56E-02	1.20E-01	0.47
68	Slc1a5	Somatotropes 8	2.10	3.67E-02	1.22E-01	0.95
69	Ttn	Somatotropes 8	2.09	3.73E-02	1.24E-01	1.57
70	Mirg	Somatotropes 8	2.09	3.75E-02	1.24E-01	0.62
71	Irf3	Somatotropes 8	2.08	3.86E-02	1.27E-01	0.67
72	Aloxe3	Somatotropes 8	2.06	3.99E-02	1.30E-01	1.39
73	Rfng	Somatotropes 8	2.06	4.02E-02	1.31E-01	1.04
74	Vgf	Somatotropes 8	2.03	4.29E-02	1.37E-01	1.76
75	Fn3krp	Somatotropes 8	2.03	4.32E-02	1.37E-01	1.73
76	Ftx	Somatotropes 8	2.02	4.38E-02	1.39E-01	1.32
77	Ccdc84	Somatotropes 8	2.02	4.43E-02	1.40E-01	1.16
78	Taf6	Somatotropes 8	2.01	4.46E-02	1.41E-01	0.65
79	Tmem191c	Somatotropes 8	2.01	4.48E-02	1.41E-01	0.82
80	Kif13b	Somatotropes 8	2.01	4.52E-02	1.42E-01	1.46
81	Ulk3	Somatotropes 8	2.00	4.66E-02	1.45E-01	1.33
82	9530034E10Rik	Somatotropes 8	1.99	4.73E-02	1.47E-01	1.36
83	Ankrd24	Somatotropes 8	1.99	4.74E-02	1.47E-01	0.64
84	Mapk8ip3	Somatotropes 8	1.99	4.75E-02	1.47E-01	0.71
85	Adcy3	Somatotropes 8	1.98	4.88E-02	1.50E-01	1.24
86	Ascc3	Somatotropes 8	1.97	4.97E-02	1.52E-01	0.70
87	Cyr61	Somatotropes 8	1.97	4.99E-02	1.53E-01	0.77
88	Hsf2	Somatotropes 8	1.96	5.04E-02	1.53E-01	0.95
89	Fkbp11	Somatotropes 8	1.95	5.18E-02	1.56E-01	0.47
90	Ddx26b	Somatotropes 8	1.94	5.28E-02	1.58E-01	0.72
91	Miat	Somatotropes 8	1.94	5.32E-02	1.59E-01	1.21
92	AW549877	Somatotropes 8	1.91	5.63E-02	1.66E-01	0.81
93	Inpp5e	Somatotropes 8	1.91	5.64E-02	1.66E-01	1.07
94	Gramd1a	Somatotropes 8	1.91	5.65E-02	1.66E-01	0.69
95	Mmp8	Somatotropes 8	1.91	5.72E-02	1.68E-01	1.89
96	4930447C04Rik	Somatotropes 8	1.88	6.13E-02	1.76E-01	0.68
97	Slc24a5	Somatotropes 8	1.88	6.14E-02	1.76E-01	0.57
98	Cyp27a1	Somatotropes 8	1.87	6.23E-02	1.78E-01	0.79
99	Mfge8	Somatotropes 8	1.87	6.28E-02	1.79E-01	0.61
100	Eps8l2	Somatotropes 8	1.86	6.37E-02	1.80E-01	1.08
1	Prl	Lactotropes 1	56.32	0.00E+00	0.00E+00	4.44
2	Six6	Lactotropes 1	52.10	0.00E+00	0.00E+00	3.30
3	Chgb	Lactotropes 1	42.29	5.48E-232	2.11E-228	2.93
4	Olfm1	Lactotropes 1	41.69	2.50E-248	1.28E-244	3.20
5	Nnat	Lactotropes 1	36.22	3.85E-185	9.89E-182	2.07
6	Cst3	Lactotropes 1	35.33	7.14E-176	1.58E-172	1.97

7	Scg5	Lactotropes 1	33.68	1.58E-164	2.71E-161	1.82
8	Pcp4	Lactotropes 1	32.24	5.44E-172	1.05E-168	2.65
9	Mest	Lactotropes 1	30.43	4.09E-156	6.32E-153	2.31
10	Hepacam2	Lactotropes 1	28.86	4.40E-140	6.18E-137	3.59
11	Pou1f1	Lactotropes 1	27.30	3.86E-130	4.97E-127	1.83
12	Edil3	Lactotropes 1	27.15	2.64E-123	3.13E-120	4.15
13	Stmn3	Lactotropes 1	25.87	8.06E-121	8.89E-118	1.87
14	Asb4	Lactotropes 1	25.73	1.64E-113	1.69E-110	3.62
15	Ramp1	Lactotropes 1	25.40	9.96E-113	9.60E-110	3.32
16	Stmn1	Lactotropes 1	24.19	2.57E-107	2.34E-104	1.58
17	Nenf	Lactotropes 1	23.78	1.94E-104	1.66E-101	1.50
18	Gnas	Lactotropes 1	23.47	4.53E-100	3.68E-97	0.80
19	Scg2	Lactotropes 1	23.03	1.02E-95	7.12E-93	1.74
20	Itm2c	Lactotropes 1	22.94	7.39E-98	5.43E-95	1.31
21	Itm2b	Lactotropes 1	22.90	1.28E-98	9.85E-96	1.07
22	Ptma	Lactotropes 1	22.40	3.14E-91	2.02E-88	1.17
23	Sdf4	Lactotropes 1	22.20	7.41E-94	4.97E-91	1.51
24	Ly6h	Lactotropes 1	21.91	7.01E-91	4.33E-88	1.96
25	Clu	Lactotropes 1	21.58	1.78E-89	1.06E-86	1.97
26	Arxes2	Lactotropes 1	21.53	1.94E-89	1.11E-86	1.86
27	Ssr4	Lactotropes 1	21.39	9.88E-88	5.26E-85	1.27
28	Fam46a	Lactotropes 1	21.38	3.21E-88	1.77E-85	1.88
29	Lrpap1	Lactotropes 1	21.29	1.18E-87	6.10E-85	1.61
30	Tmsb10	Lactotropes 1	20.97	3.49E-84	1.74E-81	1.38
31	Ccdc148	Lactotropes 1	20.70	3.76E-81	1.76E-78	2.89
32	Timp2	Lactotropes 1	20.40	1.59E-81	7.65E-79	1.96
33	Spint2	Lactotropes 1	20.26	1.78E-79	8.06E-77	1.13
34	Scg3	Lactotropes 1	20.00	1.57E-78	6.93E-76	1.58
35	Sdf2l1	Lactotropes 1	19.60	4.63E-76	1.93E-73	1.63
36	Hist1h2bc	Lactotropes 1	19.57	2.39E-74	9.46E-72	1.18
37	Npc2	Lactotropes 1	19.52	1.13E-74	4.59E-72	1.25
38	Ptn	Lactotropes 1	19.37	4.60E-74	1.77E-71	1.51
39	Gpx3	Lactotropes 1	19.25	4.67E-73	1.68E-70	1.33
40	Morf4l2	Lactotropes 1	19.20	3.27E-72	1.10E-69	1.08
41	Hmgn3	Lactotropes 1	19.17	6.15E-73	2.16E-70	1.37
42	Pebp1	Lactotropes 1	19.16	2.95E-72	1.01E-69	1.14
43	Bsg	Lactotropes 1	19.11	1.26E-71	4.15E-69	1.01
44	6330403K07Rik	Lactotropes 1	18.55	3.49E-68	1.02E-65	1.20
45	Sox4	Lactotropes 1	18.55	6.59E-69	2.12E-66	1.97
46	Rprm	Lactotropes 1	18.50	1.93E-68	5.84E-66	2.12
47	Gmppa	Lactotropes 1	18.50	1.19E-68	3.66E-66	1.75
48	Thrb	Lactotropes 1	18.49	4.17E-67	1.19E-64	2.60
49	Fam171b	Lactotropes 1	18.43	3.31E-68	9.83E-66	1.91

50	Tspan3	Lactotropes 1	18.36	6.50E-67	1.82E-64	1.07
51	Tmem59l	Lactotropes 1	18.02	1.87E-65	5.15E-63	1.34
52	Rab3c	Lactotropes 1	17.86	1.09E-63	2.96E-61	2.40
53	Pianp	Lactotropes 1	17.80	9.11E-62	2.27E-59	3.48
54	Pcsk1n	Lactotropes 1	17.73	1.34E-61	3.29E-59	0.99
55	Rpl41	Lactotropes 1	17.68	1.13E-60	2.69E-58	0.66
56	6030419C18Rik	Lactotropes 1	17.56	4.53E-59	1.00E-56	4.56
57	Aplp1	Lactotropes 1	17.55	4.88E-62	1.23E-59	1.13
58	Ctsl	Lactotropes 1	17.55	1.91E-62	5.00E-60	1.33
59	H3f3a	Lactotropes 1	17.49	3.36E-61	8.11E-59	0.96
60	Gm2694	Lactotropes 1	17.34	2.26E-60	5.29E-58	2.43
61	Angpt1	Lactotropes 1	17.30	4.34E-59	9.71E-57	3.55
62	Lhx3	Lactotropes 1	17.28	2.52E-60	5.80E-58	2.24
63	Ascl1	Lactotropes 1	17.15	3.68E-59	8.36E-57	2.66
64	Chrna6	Lactotropes 1	16.96	2.03E-56	4.08E-54	4.04
65	Agtr1a	Lactotropes 1	16.91	8.53E-57	1.76E-54	3.57
66	Tmed3	Lactotropes 1	16.88	4.48E-58	9.60E-56	1.10
67	Rtn1	Lactotropes 1	16.86	4.95E-58	1.05E-55	1.91
68	Rheb	Lactotropes 1	16.72	3.76E-57	7.85E-55	1.06
69	Prdx2	Lactotropes 1	16.70	1.10E-56	2.23E-54	0.97
70	Camk2n1	Lactotropes 1	16.54	5.19E-56	1.01E-53	1.13
71	Tmed10	Lactotropes 1	16.52	4.95E-56	9.79E-54	0.98
72	Epcam	Lactotropes 1	16.33	1.50E-54	2.89E-52	1.00
73	Ndufa1	Lactotropes 1	16.29	1.78E-54	3.40E-52	1.08
74	Tubb3	Lactotropes 1	16.27	8.07E-54	1.47E-51	2.47
75	Myoc	Lactotropes 1	16.22	2.55E-54	4.73E-52	2.10
76	Cpq	Lactotropes 1	16.17	4.39E-54	8.06E-52	1.33
77	Necab2	Lactotropes 1	15.96	6.99E-53	1.25E-50	1.55
78	Eno3	Lactotropes 1	15.72	8.05E-51	1.38E-48	2.37
79	Atraid	Lactotropes 1	15.63	7.93E-51	1.38E-48	1.03
80	Tuba1a	Lactotropes 1	15.50	5.71E-50	9.68E-48	0.95
81	Asic4	Lactotropes 1	15.23	9.63E-48	1.58E-45	3.05
82	Sub1	Lactotropes 1	15.23	3.56E-48	5.92E-46	0.86
83	Ssr2	Lactotropes 1	15.21	2.96E-48	4.96E-46	0.96
84	Higd1a	Lactotropes 1	15.05	1.16E-47	1.89E-45	1.20
85	Wbp5	Lactotropes 1	15.00	2.68E-46	4.17E-44	0.79
86	Aga	Lactotropes 1	14.88	9.90E-47	1.58E-44	1.31
87	Nsg2	Lactotropes 1	14.85	2.31E-46	3.63E-44	1.78
88	Cilp	Lactotropes 1	14.80	1.82E-44	2.67E-42	4.39
89	Cpe	Lactotropes 1	14.80	8.89E-46	1.36E-43	0.90
90	Nucb2	Lactotropes 1	14.80	3.20E-46	4.93E-44	1.35
91	Lgals1	Lactotropes 1	14.73	2.14E-45	3.23E-43	2.30
92	Sec61b	Lactotropes 1	14.72	4.51E-45	6.75E-43	0.83

93	Gnaz	Lactotropes 1	14.63	1.09E-44	1.62E-42	2.36
94	Bex2	Lactotropes 1	14.48	8.01E-44	1.17E-41	0.87
95	Sepw1	Lactotropes 1	14.37	2.24E-43	3.17E-41	0.85
96	Sh3bgr	Lactotropes 1	14.35	3.05E-43	4.29E-41	2.21
97	Wfdc2	Lactotropes 1	14.21	6.40E-43	8.90E-41	1.86
98	Gpm6a	Lactotropes 1	14.17	1.19E-42	1.65E-40	2.05
99	Pfn1	Lactotropes 1	14.09	5.65E-42	7.72E-40	0.88
100	Pdia3	Lactotropes 1	14.03	9.41E-42	1.25E-39	0.83
1	Chgb	Lactotropes 2	36.76	2.18E-124	1.69E-120	4.18
2	Prl	Lactotropes 2	35.08	4.18E-137	6.46E-133	4.98
3	Scg5	Lactotropes 2	27.72	1.85E-100	9.49E-97	2.80
4	Itm2b	Lactotropes 2	25.30	1.50E-91	5.80E-88	2.07
5	Scg2	Lactotropes 2	24.47	1.53E-80	4.73E-77	2.97
6	Cst3	Lactotropes 2	21.08	4.77E-71	1.23E-67	2.49
7	Epcam	Lactotropes 2	20.58	1.50E-68	3.30E-65	2.19
8	Clu	Lactotropes 2	20.49	7.61E-68	1.47E-64	3.12
9	Pdia3	Lactotropes 2	20.07	6.06E-66	1.04E-62	1.98
10	Cpe	Lactotropes 2	19.39	2.12E-62	3.28E-59	1.99
11	mt-Atp6	Lactotropes 2	18.55	5.27E-56	6.73E-53	1.45
12	Hspa5	Lactotropes 2	18.24	2.93E-57	4.11E-54	1.89
13	Cpq	Lactotropes 2	18.06	5.66E-56	6.73E-53	2.54
14	mt-Cytb	Lactotropes 2	17.83	5.62E-53	6.20E-50	1.46
15	mt-Nd4	Lactotropes 2	17.32	5.41E-51	5.22E-48	1.49
16	Bsg	Lactotropes 2	17.08	6.65E-52	6.84E-49	1.74
17	Ctsl	Lactotropes 2	16.89	9.96E-51	9.04E-48	2.30
18	Timp2	Lactotropes 2	16.88	8.70E-49	6.40E-46	3.00
19	Itm2c	Lactotropes 2	16.84	1.15E-50	9.88E-48	1.90
20	mt-Co3	Lactotropes 2	16.73	4.86E-48	3.00E-45	1.35
21	Lrpap1	Lactotropes 2	16.67	4.92E-49	3.80E-46	2.43
22	mt-Nd1	Lactotropes 2	16.64	3.53E-48	2.32E-45	1.45
23	Mest	Lactotropes 2	16.64	2.02E-49	1.64E-46	2.55
24	Scg3	Lactotropes 2	16.56	1.00E-48	7.04E-46	2.45
25	Sdf4	Lactotropes 2	16.07	2.04E-46	1.21E-43	2.20
26	mt-Co2	Lactotropes 2	16.05	6.91E-45	3.68E-42	1.26
27	mt-Co1	Lactotropes 2	15.99	4.41E-45	2.43E-42	1.30
28	Hepacam2	Lactotropes 2	15.74	1.54E-41	6.61E-39	4.01
29	Ly6h	Lactotropes 2	14.99	3.17E-42	1.53E-39	2.46
30	Spint2	Lactotropes 2	14.84	1.74E-41	7.25E-39	1.65
31	Aplp1	Lactotropes 2	14.78	3.01E-41	1.22E-38	1.81
32	Ptn	Lactotropes 2	14.69	1.38E-40	5.19E-38	2.20
33	Tmem59l	Lactotropes 2	14.66	2.31E-40	8.31E-38	2.11
34	Arxes2	Lactotropes 2	14.55	4.17E-39	1.43E-36	2.49

35	Edil3	Lactotropes 2	14.20	2.83E-35	7.05E-33	4.22
36	Ddost	Lactotropes 2	14.09	4.45E-38	1.46E-35	1.78
37	Olfm1	Lactotropes 2	13.95	1.32E-36	3.70E-34	2.53
38	Myoc	Lactotropes 2	13.83	1.01E-34	2.33E-32	3.33
39	Atp6ap1	Lactotropes 2	13.51	2.95E-35	7.23E-33	2.08
40	Pcsk1n	Lactotropes 2	13.18	4.58E-34	1.04E-31	1.40
41	mt-Nd2	Lactotropes 2	13.00	2.21E-33	4.75E-31	1.29
42	Nucb2	Lactotropes 2	12.86	2.50E-32	4.66E-30	2.19
43	Igsf1	Lactotropes 2	12.82	3.94E-32	7.16E-30	2.22
44	Rpn2	Lactotropes 2	12.77	2.08E-32	3.92E-30	1.74
45	Psap	Lactotropes 2	12.68	4.18E-32	7.51E-30	1.55
46	Lamp1	Lactotropes 2	12.40	5.71E-31	9.38E-29	1.44
47	Ssr2	Lactotropes 2	12.12	1.06E-29	1.66E-27	1.54
48	Pdia6	Lactotropes 2	12.03	1.90E-29	2.96E-27	1.48
49	Malat1	Lactotropes 2	11.94	4.68E-29	7.15E-27	1.19
50	Tspan3	Lactotropes 2	11.33	1.59E-26	2.16E-24	1.41
51	Nnat	Lactotropes 2	11.27	4.72E-26	6.28E-24	1.25
52	Aga	Lactotropes 2	11.26	5.53E-26	7.30E-24	1.93
53	Meg3	Lactotropes 2	11.18	1.91E-25	2.43E-23	1.41
54	Gnas	Lactotropes 2	11.05	1.98E-25	2.50E-23	0.71
55	Tmed3	Lactotropes 2	11.04	2.57E-25	3.21E-23	1.54
56	Ssr4	Lactotropes 2	11.03	2.45E-25	3.08E-23	1.40
57	Laptm4a	Lactotropes 2	10.95	3.92E-25	4.80E-23	1.12
58	Gpm6a	Lactotropes 2	10.85	1.21E-23	1.43E-21	3.03
59	Npc2	Lactotropes 2	10.61	1.23E-23	1.45E-21	1.52
60	Tmem59	Lactotropes 2	10.49	2.28E-23	2.67E-21	1.16
61	Six6	Lactotropes 2	10.48	3.35E-23	3.86E-21	1.85
62	Os9	Lactotropes 2	10.43	5.98E-23	6.74E-21	1.74
63	Angpt1	Lactotropes 2	10.43	8.84E-22	9.37E-20	4.02
64	Ctsb	Lactotropes 2	10.32	8.99E-23	9.99E-21	1.38
65	Gpc4	Lactotropes 2	10.29	2.05E-22	2.26E-20	1.82
66	Sdf2l1	Lactotropes 2	10.09	1.12E-21	1.16E-19	1.72
67	Npdc1	Lactotropes 2	10.09	1.06E-21	1.11E-19	1.53
68	Calr	Lactotropes 2	10.08	7.39E-22	7.97E-20	1.32
69	Prdx4	Lactotropes 2	10.07	1.81E-21	1.85E-19	1.86
70	Rtn1	Lactotropes 2	9.94	1.03E-20	9.91E-19	2.34
71	Nucb1	Lactotropes 2	9.91	5.71E-21	5.65E-19	1.79
72	Tecr	Lactotropes 2	9.87	5.45E-21	5.43E-19	1.38
73	Chga	Lactotropes 2	9.86	4.63E-21	4.64E-19	1.63
74	Atraid	Lactotropes 2	9.86	6.77E-21	6.66E-19	1.40
75	Stmn3	Lactotropes 2	9.85	7.84E-21	7.66E-19	1.67
76	Emc10	Lactotropes 2	9.84	8.70E-21	8.45E-19	1.50
77	Fam171b	Lactotropes 2	9.78	2.50E-20	2.34E-18	2.13



78	Tmed10	Lactotropes 2	9.70	2.42E-20	2.28E-18	1.25
79	Hsp90b1	Lactotropes 2	9.60	3.93E-20	3.65E-18	1.17
80	Pld3	Lactotropes 2	9.56	5.52E-20	5.07E-18	1.27
81	Ramp1	Lactotropes 2	9.53	2.56E-19	2.25E-17	2.65
82	Sec62	Lactotropes 2	9.47	1.12E-19	1.01E-17	1.08
83	Hexa	Lactotropes 2	9.42	2.17E-19	1.92E-17	1.61
84	Qpct	Lactotropes 2	9.40	9.41E-19	7.85E-17	2.92
85	Erlec1	Lactotropes 2	9.33	4.83E-19	4.09E-17	1.47
86	Agtr1a	Lactotropes 2	9.32	3.08E-18	2.52E-16	3.81
87	Atp6ap2	Lactotropes 2	9.27	6.37E-19	5.37E-17	1.39
88	Fuca1	Lactotropes 2	9.14	3.05E-18	2.51E-16	1.87
89	Manf	Lactotropes 2	9.06	3.30E-18	2.68E-16	1.14
90	Gaa	Lactotropes 2	9.06	4.30E-18	3.40E-16	1.64
91	Prnp	Lactotropes 2	8.95	7.87E-18	6.20E-16	1.19
92	Efemp1	Lactotropes 2	8.80	3.82E-17	2.85E-15	1.90
93	Ctsf	Lactotropes 2	8.79	5.65E-17	4.13E-15	2.19
94	Saraf	Lactotropes 2	8.74	3.95E-17	2.93E-15	1.05
95	Ergic3	Lactotropes 2	8.72	5.63E-17	4.13E-15	1.39
96	Serinc1	Lactotropes 2	8.69	5.81E-17	4.22E-15	1.28
97	mt-Nd3	Lactotropes 2	8.63	8.39E-17	6.02E-15	1.26
98	Serpini1	Lactotropes 2	8.54	2.64E-16	1.81E-14	1.90
99	Pam	Lactotropes 2	8.52	2.09E-16	1.45E-14	1.35
100	Tusc3	Lactotropes 2	8.28	1.41E-15	9.37E-14	1.38
1	Ccdc109b	Corticotropes 1	34.33	1.45E-162	1.12E-158	3.87
2	Pomc	Corticotropes 1	34.23	2.49E-164	3.84E-160	3.70
3	Ly6h	Corticotropes 1	33.47	1.73E-140	5.35E-137	2.90
4	AW551984	Corticotropes 1	31.92	4.89E-143	2.52E-139	3.96
5	Mt2	Corticotropes 1	30.35	3.15E-139	8.09E-136	3.48
6	Tbx19	Corticotropes 1	25.70	4.62E-96	7.13E-93	6.10
7	Mt1	Corticotropes 1	25.24	1.98E-108	4.37E-105	2.62
8	Fth1	Corticotropes 1	24.87	4.42E-106	8.54E-103	1.39
9	Rasd1	Corticotropes 1	24.79	2.26E-101	3.88E-98	3.36
10	Sparcl1	Corticotropes 1	22.38	6.54E-86	7.21E-83	3.96
11	Atp1a2	Corticotropes 1	22.35	3.68E-83	3.55E-80	4.39
12	Vdac1	Corticotropes 1	21.67	2.51E-85	2.58E-82	2.13
13	Crhr1	Corticotropes 1	20.91	2.89E-73	2.23E-70	5.34
14	Hn1	Corticotropes 1	20.51	6.36E-77	5.77E-74	2.53
15	Pea15a	Corticotropes 1	20.31	1.42E-76	1.22E-73	2.20
16	Rab3b	Corticotropes 1	19.89	2.29E-74	1.86E-71	2.00
17	Emd	Corticotropes 1	19.58	1.74E-68	1.28E-65	2.78
18	6330403K07Rik	Corticotropes 1	18.48	2.11E-65	1.48E-62	1.46
19	Obsl1	Corticotropes 1	17.78	1.60E-57	8.50E-55	3.64

20	Srxn1	Corticotropes 1	17.48	6.74E-58	3.85E-55	2.39
21	Mrps6	Corticotropes 1	17.45	3.19E-59	1.90E-56	2.04
22	Hcfc1r1	Corticotropes 1	17.39	2.54E-59	1.57E-56	1.51
23	Tnnt1	Corticotropes 1	17.08	9.81E-53	4.59E-50	5.09
24	Bsg	Corticotropes 1	16.49	2.29E-53	1.14E-50	1.05
25	Rprml	Corticotropes 1	16.08	2.32E-49	9.44E-47	3.65
26	Nnat	Corticotropes 1	16.07	1.37E-51	6.03E-49	1.33
27	Tekt1	Corticotropes 1	15.79	1.14E-48	4.40E-46	2.81
28	Cidea	Corticotropes 1	15.78	2.07E-49	8.87E-47	2.24
29	Gnas	Corticotropes 1	15.71	2.14E-49	8.93E-47	0.69
30	Nsg1	Corticotropes 1	15.46	2.19E-48	8.25E-46	1.84
31	Aldoa	Corticotropes 1	15.12	2.69E-46	9.89E-44	1.07
32	Sepw1	Corticotropes 1	15.03	2.02E-45	7.09E-43	1.05
33	Pabpc1l	Corticotropes 1	14.85	2.83E-43	8.92E-41	3.54
34	Cbarp	Corticotropes 1	14.82	4.67E-45	1.60E-42	1.56
35	Higd1a	Corticotropes 1	14.49	2.55E-43	8.20E-41	1.37
36	Lsamp	Corticotropes 1	14.27	3.41E-41	1.05E-38	3.06
37	Ptgds	Corticotropes 1	14.26	3.12E-40	8.91E-38	3.63
38	B630019K06Rik	Corticotropes 1	13.99	2.14E-40	6.35E-38	1.92
39	Gapdh	Corticotropes 1	13.95	2.33E-40	6.79E-38	1.09
40	Psmb2	Corticotropes 1	13.94	2.02E-40	6.11E-38	1.05
41	Chchd2	Corticotropes 1	13.80	9.00E-39	2.48E-36	0.79
42	Rmst	Corticotropes 1	13.79	9.44E-39	2.56E-36	2.88
43	Baiap3	Corticotropes 1	13.76	1.31E-38	3.49E-36	2.87
44	Palmd	Corticotropes 1	13.75	1.14E-37	2.81E-35	3.94
45	Acbd7	Corticotropes 1	13.71	2.33E-37	5.53E-35	3.98
46	Oaz1	Corticotropes 1	13.59	6.93E-38	1.78E-35	0.76
47	Ngfrap1	Corticotropes 1	13.48	7.61E-38	1.92E-35	0.99
48	Map1b	Corticotropes 1	13.40	1.15E-37	2.81E-35	1.19
49	Tmem91	Corticotropes 1	13.33	3.06E-36	6.84E-34	3.34
50	Ppia	Corticotropes 1	13.24	3.62E-36	7.97E-34	0.86
51	Arf3	Corticotropes 1	13.11	2.40E-36	5.46E-34	1.36
52	Lrp1b	Corticotropes 1	13.09	2.55E-35	5.24E-33	2.84
53	Peg3	Corticotropes 1	13.08	3.76E-36	8.17E-34	1.09
54	Anp32b	Corticotropes 1	13.04	5.56E-36	1.17E-33	1.29
55	Dsp	Corticotropes 1	12.90	5.76E-34	1.05E-31	3.73
56	Park7	Corticotropes 1	12.87	5.69E-35	1.13E-32	0.96
57	Lmo1	Corticotropes 1	12.84	8.12E-35	1.56E-32	2.11
58	Atp5d	Corticotropes 1	12.79	8.21E-35	1.56E-32	1.08
59	Svip	Corticotropes 1	12.74	2.74E-34	5.03E-32	1.83
60	Gpc5	Corticotropes 1	12.59	4.14E-32	6.87E-30	5.40
61	Nrxn1	Corticotropes 1	12.59	9.34E-34	1.68E-31	1.67
62	Pcp4	Corticotropes 1	12.39	7.09E-33	1.24E-30	1.42

63	Ndufs5	Corticotropes 1	12.24	5.02E-32	8.25E-30	0.90
64	Pmvk	Corticotropes 1	12.23	9.15E-32	1.49E-29	1.73
65	Scg2	Corticotropes 1	12.21	1.97E-31	3.06E-29	1.15
66	Crem	Corticotropes 1	12.20	9.66E-32	1.55E-29	1.58
67	Gm42809	Corticotropes 1	12.14	1.48E-30	2.13E-28	3.83
68	Lhfp15	Corticotropes 1	12.13	1.57E-31	2.49E-29	1.87
69	Camk2n2	Corticotropes 1	12.13	1.84E-31	2.90E-29	1.73
70	Chd3	Corticotropes 1	12.12	2.26E-31	3.45E-29	2.06
71	Trnp1	Corticotropes 1	12.07	2.25E-30	3.12E-28	3.31
72	Cadps2	Corticotropes 1	12.07	3.94E-31	5.96E-29	2.10
73	Bex2	Corticotropes 1	12.06	4.96E-31	7.36E-29	0.89
74	Usp29	Corticotropes 1	12.05	4.43E-31	6.65E-29	2.09
75	Gamt	Corticotropes 1	12.01	1.07E-30	1.56E-28	2.33
76	Epha5	Corticotropes 1	11.99	6.18E-31	9.09E-29	1.91
77	Mthfd2	Corticotropes 1	11.88	3.97E-30	5.48E-28	2.13
78	Khdrbs2	Corticotropes 1	11.81	3.08E-29	3.78E-27	3.57
79	Mrps33	Corticotropes 1	11.78	4.89E-30	6.51E-28	1.01
80	Gnb2	Corticotropes 1	11.75	8.57E-30	1.13E-27	0.88
81	Cox7a2	Corticotropes 1	11.74	1.40E-29	1.81E-27	0.81
82	Gm2694	Corticotropes 1	11.67	2.61E-29	3.22E-27	2.07
83	Atp6v1e1	Corticotropes 1	11.67	1.38E-29	1.81E-27	1.16
84	Ndufc1	Corticotropes 1	11.67	1.96E-29	2.44E-27	0.93
85	Ptp4a1	Corticotropes 1	11.66	1.68E-29	2.14E-27	1.33
86	Fbxo2	Corticotropes 1	11.65	1.72E-29	2.17E-27	1.23
87	Cox8a	Corticotropes 1	11.65	4.09E-29	4.93E-27	0.71
88	Calm3	Corticotropes 1	11.65	1.79E-29	2.24E-27	1.10
89	Eif1	Corticotropes 1	11.62	1.02E-28	1.18E-26	0.53
90	Nupr1l	Corticotropes 1	11.61	5.94E-29	7.00E-27	2.18
91	Pebp1	Corticotropes 1	11.61	4.49E-29	5.33E-27	0.85
92	Prdx2	Corticotropes 1	11.60	3.70E-29	4.50E-27	0.86
93	Arl3	Corticotropes 1	11.59	4.27E-29	5.11E-27	0.93
94	Rorb	Corticotropes 1	11.48	1.38E-28	1.59E-26	1.93
95	Bpgm	Corticotropes 1	11.42	2.56E-28	2.89E-26	1.63
96	Ndufb4	Corticotropes 1	11.38	3.17E-28	3.54E-26	0.95
97	Etnppl	Corticotropes 1	11.27	1.24E-26	1.28E-24	5.17
98	Tnfrsf12a	Corticotropes 1	11.26	1.26E-27	1.38E-25	1.72
99	Tbca	Corticotropes 1	11.19	2.35E-27	2.56E-25	0.88
100	Nmb	Corticotropes 1	11.19	1.65E-26	1.68E-24	3.54
1	mt-Co1	Corticotropes 2	23.70	7.69E-74	1.19E-69	2.31
2	mt-Cytb	Corticotropes 2	20.27	2.51E-61	1.93E-57	2.11
3	mt-Atp6	Corticotropes 2	19.57	6.22E-59	3.20E-55	2.05
4	Scg2	Corticotropes 2	19.26	2.69E-57	1.04E-53	3.61

5	mt-Co3	Corticotropes 2	19.26	3.63E-57	1.12E-53	1.99
6	Pomc	Corticotropes 2	18.74	2.48E-51	4.79E-48	4.37
7	Ly6h	Corticotropes 2	18.53	1.53E-54	3.92E-51	3.29
8	mt-Nd4	Corticotropes 2	18.21	3.05E-53	6.73E-50	2.06
9	mt-Co2	Corticotropes 2	17.67	6.78E-51	1.16E-47	1.84
10	Bsg	Corticotropes 2	15.77	5.84E-43	4.29E-40	2.00
11	mt-Nd1	Corticotropes 2	15.07	2.42E-40	1.17E-37	1.81
12	Atp6ap2	Corticotropes 2	14.75	1.14E-38	4.29E-36	2.31
13	Cpe	Corticotropes 2	14.70	9.99E-39	3.86E-36	1.83
14	Malat1	Corticotropes 2	14.30	4.07E-37	1.28E-34	1.47
15	mt-Nd2	Corticotropes 2	13.60	2.13E-34	5.38E-32	1.74
16	Scg5	Corticotropes 2	13.05	3.06E-32	6.95E-30	1.93
17	Pld3	Corticotropes 2	12.58	2.03E-30	3.92E-28	1.90
18	Chga	Corticotropes 2	11.67	1.12E-25	1.63E-23	3.19
19	Pcsk1n	Corticotropes 2	11.41	4.84E-26	7.33E-24	1.52
20	Syt4	Corticotropes 2	11.28	2.59E-25	3.70E-23	1.92
21	Sparcl1	Corticotropes 2	11.24	1.53E-23	2.02E-21	4.12
22	Psap	Corticotropes 2	10.96	2.27E-24	3.10E-22	1.55
23	mt-Nd5	Corticotropes 2	10.91	4.69E-24	6.29E-22	1.70
24	Cbap	Corticotropes 2	10.65	9.01E-23	1.14E-20	2.15
25	Resp18	Corticotropes 2	10.54	7.06E-23	9.00E-21	1.71
26	Aplp1	Corticotropes 2	10.37	3.31E-22	3.99E-20	1.61
27	Ccdc109b	Corticotropes 2	9.64	5.26E-19	5.45E-17	2.83
28	Slc22a17	Corticotropes 2	9.42	1.94E-18	1.92E-16	2.39
29	Pcsk1	Corticotropes 2	9.41	2.99E-18	2.87E-16	2.75
30	AW551984	Corticotropes 2	9.33	5.33E-18	5.08E-16	2.84
31	Sdc2	Corticotropes 2	9.28	2.87E-18	2.79E-16	1.88
32	Atp1a2	Corticotropes 2	9.12	4.59E-17	4.10E-15	3.83
33	Cga	Corticotropes 2	9.08	1.91E-17	1.74E-15	2.36
34	Cidea	Corticotropes 2	8.90	7.22E-17	6.40E-15	2.36
35	Hspa5	Corticotropes 2	8.63	2.05E-16	1.78E-14	1.26
36	Crhr1	Corticotropes 2	8.56	3.01E-15	2.29E-13	4.60
37	Pdia3	Corticotropes 2	8.52	4.93E-16	4.14E-14	1.26
38	Calr	Corticotropes 2	8.48	7.37E-16	6.05E-14	1.45
39	Gnas	Corticotropes 2	8.46	6.21E-16	5.12E-14	0.69
40	Dner	Corticotropes 2	8.42	2.23E-15	1.73E-13	2.19
41	Spock2	Corticotropes 2	8.38	2.53E-15	1.95E-13	2.10
42	Itfg1	Corticotropes 2	8.29	3.87E-15	2.85E-13	1.91
43	Nrxn1	Corticotropes 2	8.23	7.23E-15	5.14E-13	2.16
44	Lamp1	Corticotropes 2	8.23	3.36E-15	2.51E-13	1.21
45	mt-Nd3	Corticotropes 2	8.21	5.36E-15	3.88E-13	1.59
46	Tspan6	Corticotropes 2	8.07	3.67E-14	2.44E-12	3.01
47	Ctsb	Corticotropes 2	8.03	1.38E-14	9.57E-13	1.33

48	mt-Nd4l	Corticotropes 2	8.02	2.28E-14	1.56E-12	1.77
49	Epcam	Corticotropes 2	7.90	3.26E-14	2.19E-12	1.09
50	Rmst	Corticotropes 2	7.55	1.10E-12	6.27E-11	3.22
51	Pdia6	Corticotropes 2	7.54	3.93E-13	2.39E-11	1.17
52	Tmem59	Corticotropes 2	7.52	4.89E-13	2.95E-11	1.06
53	Cntn1	Corticotropes 2	7.50	8.77E-13	5.09E-11	2.09
54	Ctsd	Corticotropes 2	7.40	9.41E-13	5.44E-11	1.51
55	Cst3	Corticotropes 2	7.40	9.82E-13	5.66E-11	1.19
56	Lrpap1	Corticotropes 2	7.39	1.14E-12	6.49E-11	1.39
57	Cpq	Corticotropes 2	7.30	2.24E-12	1.24E-10	1.50
58	Hsp90b1	Corticotropes 2	7.26	2.54E-12	1.38E-10	1.08
59	Lhb	Corticotropes 2	7.21	6.29E-12	3.30E-10	2.42
60	Ntrk2	Corticotropes 2	7.16	6.93E-12	3.59E-10	1.95
61	Syp	Corticotropes 2	7.12	8.27E-12	4.24E-10	1.77
62	Tmbim6	Corticotropes 2	6.99	1.31E-11	6.51E-10	1.03
63	Fshb	Corticotropes 2	6.88	4.84E-11	2.21E-09	2.76
64	Nsg1	Corticotropes 2	6.74	8.52E-11	3.76E-09	1.74
65	Cacna2d1	Corticotropes 2	6.73	8.64E-11	3.80E-09	1.74
66	Clcn3	Corticotropes 2	6.70	9.21E-11	4.04E-09	1.41
67	Pcsk2	Corticotropes 2	6.66	2.22E-10	9.31E-09	3.09
68	Saraf	Corticotropes 2	6.65	1.09E-10	4.72E-09	0.93
69	Tgfr3l	Corticotropes 2	6.60	2.80E-10	1.16E-08	3.08
70	Ptprn	Corticotropes 2	6.59	1.63E-10	6.92E-09	1.30
71	Tspan3	Corticotropes 2	6.54	2.16E-10	9.10E-09	0.99
72	Spint2	Corticotropes 2	6.53	2.30E-10	9.60E-09	0.95
73	Tusc3	Corticotropes 2	6.46	3.75E-10	1.53E-08	1.31
74	Gnrhr	Corticotropes 2	6.46	6.52E-10	2.54E-08	3.31
75	Atp6v0b	Corticotropes 2	6.44	3.92E-10	1.59E-08	0.89
76	Reep5	Corticotropes 2	6.42	4.35E-10	1.74E-08	1.04
77	Clu	Corticotropes 2	6.42	5.15E-10	2.04E-08	1.66
78	St3gal5	Corticotropes 2	6.41	6.23E-10	2.44E-08	1.87
79	Meg3	Corticotropes 2	6.40	7.09E-10	2.74E-08	0.91
80	Cadm1	Corticotropes 2	6.39	5.62E-10	2.22E-08	1.22
81	Creg1	Corticotropes 2	6.35	7.73E-10	2.96E-08	1.49
82	Spp1	Corticotropes 2	6.35	1.13E-09	4.21E-08	2.93
83	Tspo	Corticotropes 2	6.32	9.49E-10	3.59E-08	1.54
84	Lrp1b	Corticotropes 2	6.31	1.45E-09	5.34E-08	2.80
85	Stmn3	Corticotropes 2	6.29	9.83E-10	3.71E-08	1.27
86	Lrp11	Corticotropes 2	6.15	2.34E-09	8.41E-08	1.40
87	Ergic3	Corticotropes 2	6.12	2.63E-09	9.37E-08	1.16
88	Mt2	Corticotropes 2	6.02	4.56E-09	1.58E-07	1.49
89	Chgb	Corticotropes 2	6.00	4.88E-09	1.68E-07	1.06
90	Arxes2	Corticotropes 2	5.99	5.56E-09	1.91E-07	1.40

91	Parm1	Corticotropes 2	5.99	6.78E-09	2.27E-07	2.04
92	Qpct	Corticotropes 2	5.99	7.93E-09	2.62E-07	2.56
93	Scg3	Corticotropes 2	5.95	6.51E-09	2.19E-07	1.23
94	Lrrn2	Corticotropes 2	5.89	1.48E-08	4.66E-07	3.51
95	Tmed4	Corticotropes 2	5.88	1.00E-08	3.28E-07	1.13
96	Cd164	Corticotropes 2	5.86	1.28E-08	4.10E-07	1.37
97	Efemp1	Corticotropes 2	5.85	1.22E-08	3.95E-07	1.55
98	Trp53i11	Corticotropes 2	5.83	1.43E-08	4.54E-07	1.60
99	Gas6	Corticotropes 2	5.79	1.92E-08	5.95E-07	2.08
100	Ogt	Corticotropes 2	5.79	1.81E-08	5.63E-07	1.34
1	Pomc	Melanotropes	34.07	1.63E-69	2.51E-65	6.68
2	Pcsk2	Melanotropes	27.21	6.51E-58	5.02E-54	5.89
3	Oacyl	Melanotropes	16.40	3.91E-29	1.51E-25	7.02
4	Ascl1	Melanotropes	13.05	7.19E-25	1.84E-21	4.17
5	Tmem158	Melanotropes	12.96	1.54E-24	2.97E-21	4.08
6	Calb1	Melanotropes	12.46	2.77E-24	4.74E-21	3.43
7	Chga	Melanotropes	12.35	8.36E-25	1.84E-21	2.94
8	Pkib	Melanotropes	11.38	1.91E-19	2.45E-16	5.42
9	Esm1	Melanotropes	10.49	1.44E-17	1.70E-14	5.46
10	Ccdc109b	Melanotropes	10.42	1.61E-19	2.26E-16	3.08
11	Pabpc1l	Melanotropes	9.67	8.46E-16	7.26E-13	4.71
12	Etv1	Melanotropes	9.65	4.45E-16	4.29E-13	4.21
13	Six3	Melanotropes	9.51	7.90E-17	8.13E-14	2.81
14	Sparcl1	Melanotropes	9.03	2.79E-15	2.05E-12	3.76
15	Gnas	Melanotropes	8.94	2.48E-15	1.91E-12	0.92
16	Ptgds	Melanotropes	8.78	1.95E-14	1.31E-11	3.93
17	Pde10a	Melanotropes	8.61	6.06E-15	4.25E-12	2.15
18	Clu	Melanotropes	8.09	1.32E-13	8.52E-11	2.34
19	Calm1	Melanotropes	8.06	3.19E-13	1.97E-10	1.30
20	Calm2	Melanotropes	7.97	4.58E-13	2.62E-10	1.17
21	Syt1	Melanotropes	7.86	5.03E-13	2.77E-10	1.94
22	Scn2a1	Melanotropes	7.77	1.19E-11	5.40E-09	5.45
23	Slitrk6	Melanotropes	7.74	9.28E-12	4.48E-09	4.43
24	Bex2	Melanotropes	7.54	3.63E-12	1.93E-09	1.39
25	Atpif1	Melanotropes	7.41	1.16E-11	5.40E-09	1.12
26	Pax7	Melanotropes	7.17	2.60E-10	9.55E-08	7.17
27	Pak3	Melanotropes	7.14	7.83E-11	3.26E-08	2.92
28	Hist3h2ba	Melanotropes	7.00	3.33E-10	1.14E-07	4.27
29	Srrm4	Melanotropes	6.94	1.70E-10	6.91E-08	2.70
30	Tbx19	Melanotropes	6.90	3.02E-10	1.06E-07	3.62
31	Mt3	Melanotropes	6.89	1.87E-10	7.21E-08	2.43
32	Ckb	Melanotropes	6.81	1.77E-10	7.01E-08	1.62

33	Itm2c	Melanotropes	6.80	2.11E-10	7.93E-08	1.22
34	Trp53i11	Melanotropes	6.74	3.00E-10	1.06E-07	2.10
35	Chst8	Melanotropes	6.65	9.92E-10	3.26E-07	3.10
36	Chd3	Melanotropes	6.57	1.04E-09	3.34E-07	2.52
37	Mllt11	Melanotropes	6.52	1.31E-09	4.12E-07	2.34
38	Cd24a	Melanotropes	6.45	2.92E-09	8.66E-07	3.25
39	Jam2	Melanotropes	6.43	4.30E-09	1.23E-06	3.96
40	Uqcrq	Melanotropes	6.32	2.40E-09	7.41E-07	1.27
41	Rit2	Melanotropes	6.29	2.98E-09	8.68E-07	1.60
42	Limch1	Melanotropes	6.25	4.60E-09	1.29E-06	2.17
43	Odc1	Melanotropes	6.25	5.08E-09	1.37E-06	2.02
44	Scg2	Melanotropes	6.21	7.92E-09	2.07E-06	1.39
45	Ly6h	Melanotropes	6.14	1.29E-08	3.26E-06	1.48
46	Gabra2	Melanotropes	6.05	2.49E-08	5.82E-06	3.97
47	Resp18	Melanotropes	6.04	1.68E-08	4.12E-06	1.14
48	Heg1	Melanotropes	5.99	2.33E-08	5.52E-06	2.93
49	Aloxe3	Melanotropes	5.97	4.05E-08	9.07E-06	4.24
50	Chchd10	Melanotropes	5.94	1.68E-08	4.12E-06	1.46
51	Megf11	Melanotropes	5.92	6.27E-08	1.29E-05	5.57
52	Oaz1	Melanotropes	5.84	3.76E-08	8.53E-06	0.81
53	Amph	Melanotropes	5.81	5.83E-08	1.23E-05	2.93
54	Tspan6	Melanotropes	5.76	6.00E-08	1.25E-05	2.59
55	Gpr6	Melanotropes	5.75	1.34E-07	2.49E-05	6.05
56	Snhg11	Melanotropes	5.74	6.50E-08	1.30E-05	2.76
57	Mrps33	Melanotropes	5.72	4.90E-08	1.06E-05	1.19
58	Atp5e	Melanotropes	5.66	7.72E-08	1.53E-05	0.97
59	Snrpf	Melanotropes	5.61	8.92E-08	1.74E-05	1.13
60	Cnn3	Melanotropes	5.61	9.02E-08	1.74E-05	1.93
61	Dusp14	Melanotropes	5.56	1.42E-07	2.60E-05	2.23
62	Rab26os	Melanotropes	5.52	1.49E-07	2.67E-05	1.68
63	Eef1a2	Melanotropes	5.50	1.48E-07	2.67E-05	1.61
64	Dll3	Melanotropes	5.47	4.11E-07	6.41E-05	5.16
65	Vstm2l	Melanotropes	5.37	3.75E-07	6.02E-05	2.43
66	Gapdh	Melanotropes	5.35	3.03E-07	5.15E-05	1.02
67	Wbp5	Melanotropes	5.33	3.73E-07	6.02E-05	0.87
68	Hcfc1r1	Melanotropes	5.32	3.42E-07	5.66E-05	1.22
69	Prkar1a	Melanotropes	5.31	3.45E-07	5.66E-05	1.10
70	Cnih2	Melanotropes	5.30	5.86E-07	8.54E-05	2.95
71	Nap1l5	Melanotropes	5.27	4.61E-07	7.05E-05	1.04
72	Gulo	Melanotropes	5.24	1.09E-06	1.48E-04	5.83
73	Ndufa11	Melanotropes	5.22	5.37E-07	7.97E-05	1.02
74	Trim2	Melanotropes	5.22	6.88E-07	9.83E-05	2.18
75	Enc1	Melanotropes	5.17	1.37E-06	1.80E-04	4.67

76	Rab27b	Melanotropes	5.14	1.04E-06	1.44E-04	2.57
77	Malat1	Melanotropes	5.11	8.96E-07	1.25E-04	0.86
78	Cdc25b	Melanotropes	5.08	1.59E-06	2.03E-04	3.25
79	Zwint	Melanotropes	5.06	1.10E-06	1.48E-04	1.12
80	Cst6	Melanotropes	5.06	1.54E-06	1.99E-04	2.55
81	Alcam	Melanotropes	5.04	1.27E-06	1.69E-04	1.44
82	Nr4a2	Melanotropes	4.97	2.50E-06	3.11E-04	2.78
83	Sema3e	Melanotropes	4.95	3.45E-06	4.07E-04	5.54
84	Gria2	Melanotropes	4.94	2.18E-06	2.75E-04	2.06
85	Uqcrb	Melanotropes	4.87	2.82E-06	3.39E-04	0.81
86	Cox7c	Melanotropes	4.87	2.74E-06	3.33E-04	0.84
87	Map2	Melanotropes	4.87	3.03E-06	3.60E-04	1.91
88	Usp29	Melanotropes	4.85	3.78E-06	4.39E-04	2.34
89	Id2	Melanotropes	4.81	3.87E-06	4.43E-04	2.32
90	Snap25	Melanotropes	4.78	3.83E-06	4.41E-04	1.12
91	Tenm4	Melanotropes	4.75	5.18E-06	5.76E-04	2.06
92	Lrrn2	Melanotropes	4.73	7.45E-06	8.04E-04	3.49
93	Sntg2	Melanotropes	4.71	9.42E-06	9.83E-04	5.52
94	Asphd2	Melanotropes	4.71	8.05E-06	8.57E-04	3.35
95	Aldoa	Melanotropes	4.70	5.62E-06	6.19E-04	0.88
96	Podxl2	Melanotropes	4.69	6.31E-06	6.86E-04	2.04
97	Nrxn2	Melanotropes	4.65	9.38E-06	9.83E-04	2.91
98	Rbfox3	Melanotropes	4.65	1.18E-05	1.19E-03	5.17
99	Gfra4	Melanotropes	4.64	1.18E-05	1.19E-03	4.52
100	Fam19a1	Melanotropes	4.62	1.35E-05	1.33E-03	5.57
1	Lhb	Gonadotropes	74.66	0.00E+00	0.00E+00	7.07
2	Fshb	Gonadotropes	68.23	7.89E-301	6.09E-297	6.83
3	Tgfb3l	Gonadotropes	67.17	1.24E-279	6.39E-276	7.18
4	Cga	Gonadotropes	65.30	2.69E-273	1.04E-269	5.86
5	Gnrhr	Gonadotropes	42.63	4.51E-164	1.39E-160	6.12
6	Scg2	Gonadotropes	39.23	5.68E-164	1.46E-160	3.97
7	1500009L16Rik	Gonadotropes	33.74	7.22E-119	9.29E-116	5.99
8	Chga	Gonadotropes	33.41	4.06E-145	8.96E-142	3.88
9	Hes6	Gonadotropes	32.94	8.21E-141	1.58E-137	3.53
10	Ndufa1	Gonadotropes	32.68	4.10E-136	7.03E-133	2.60
11	Ly6h	Gonadotropes	32.52	5.48E-118	6.04E-115	3.36
12	Spp1	Gonadotropes	31.69	1.73E-117	1.78E-114	5.61
13	Rgs4	Gonadotropes	31.51	3.43E-114	2.95E-111	5.61
14	Gm1673	Gonadotropes	30.25	7.32E-126	1.13E-122	2.69
15	Pitx1	Gonadotropes	29.53	3.37E-123	4.73E-120	3.08
16	Serpine2	Gonadotropes	29.32	3.85E-116	3.71E-113	4.06
17	Chchd10	Gonadotropes	28.56	1.51E-115	1.38E-112	2.57



18	Rasgrf1	Gonadotropes	25.43	1.77E-89	1.36E-86	4.69
19	Gpx4	Gonadotropes	24.59	3.87E-89	2.85E-86	1.83
20	Csrp2	Gonadotropes	24.26	9.03E-87	6.07E-84	3.82
21	Cox7c	Gonadotropes	24.21	9.05E-87	6.07E-84	1.74
22	Cystm1	Gonadotropes	22.77	4.02E-82	2.59E-79	1.86
23	March11	Gonadotropes	22.56	2.81E-75	1.45E-72	4.70
24	Ndufb4	Gonadotropes	22.08	4.82E-80	2.98E-77	1.89
25	Foxp2	Gonadotropes	21.79	2.09E-69	9.77E-67	5.48
26	Figf	Gonadotropes	21.73	4.51E-73	2.17E-70	4.29
27	Nenf	Gonadotropes	21.54	1.05E-76	5.99E-74	1.88
28	Nr5a1	Gonadotropes	21.45	1.44E-67	6.55E-65	5.65
29	Uqcrq	Gonadotropes	21.43	7.74E-77	4.60E-74	1.84
30	Basp1	Gonadotropes	21.10	1.56E-75	8.31E-73	2.84
31	Cd164	Gonadotropes	20.99	1.56E-75	8.31E-73	2.17
32	Cd59a	Gonadotropes	20.70	1.53E-73	7.60E-71	2.74
33	Tsc22d1	Gonadotropes	19.69	2.05E-67	9.04E-65	1.94
34	Nxnl2	Gonadotropes	19.54	5.55E-59	2.04E-56	6.16
35	Gap43	Gonadotropes	19.24	7.34E-58	2.58E-55	5.51
36	Cxcl14	Gonadotropes	18.99	1.81E-63	7.53E-61	2.59
37	Sult5a1	Gonadotropes	18.75	7.23E-56	2.43E-53	5.69
38	Pcsk1	Gonadotropes	18.57	5.03E-62	2.05E-59	2.72
39	Cox6c	Gonadotropes	18.37	1.11E-58	3.99E-56	1.36
40	Tmsb10	Gonadotropes	18.26	3.30E-59	1.24E-56	1.67
41	Aes	Gonadotropes	18.20	5.62E-60	2.17E-57	1.66
42	Cst3	Gonadotropes	18.08	2.69E-55	8.84E-53	1.54
43	Gata2	Gonadotropes	17.66	8.87E-54	2.58E-51	3.62
44	Enho	Gonadotropes	17.54	3.37E-54	1.00E-51	3.40
45	1110008P14Rik	Gonadotropes	17.51	7.25E-57	2.49E-54	2.00
46	Prkcb	Gonadotropes	17.47	5.65E-53	1.59E-50	4.05
47	Ndufa4	Gonadotropes	17.32	2.55E-54	7.83E-52	1.28
48	Ostf1	Gonadotropes	17.21	5.43E-55	1.75E-52	2.25
49	Rab3b	Gonadotropes	17.13	7.36E-55	2.32E-52	2.00
50	Atp5g3	Gonadotropes	17.09	2.59E-54	7.83E-52	1.63
51	Uqcr10	Gonadotropes	17.03	4.28E-53	1.22E-50	1.46
52	Ecel1	Gonadotropes	17.02	5.58E-52	1.51E-49	3.63
53	Arhgdig	Gonadotropes	16.90	2.35E-47	5.58E-45	6.44
54	Atp5j2	Gonadotropes	16.81	1.06E-51	2.82E-49	1.31
55	Iscu	Gonadotropes	16.70	1.48E-52	4.09E-50	1.69
56	2010107E04Rik	Gonadotropes	16.53	5.14E-51	1.32E-48	1.45
57	Tceb2	Gonadotropes	16.50	2.82E-50	7.03E-48	1.31
58	Tbca	Gonadotropes	16.50	7.75E-51	1.96E-48	1.44
59	Syp	Gonadotropes	16.43	2.75E-51	7.20E-49	2.04
60	Ubl5	Gonadotropes	16.15	1.15E-48	2.77E-46	1.34

61	Ubl3	Gonadotropes	16.06	2.63E-49	6.46E-47	1.93
62	Gamt	Gonadotropes	15.98	2.76E-47	6.46E-45	3.05
63	Scg5	Gonadotropes	15.78	1.98E-46	4.25E-44	1.38
64	Cox5b	Gonadotropes	15.72	1.27E-46	2.79E-44	1.29
65	1700037H04Rik	Gonadotropes	15.69	7.85E-46	1.66E-43	3.00
66	Hmgn3	Gonadotropes	15.69	4.22E-47	9.72E-45	1.54
67	Ndufc1	Gonadotropes	15.62	1.46E-46	3.18E-44	1.41
68	Cnih2	Gonadotropes	15.57	5.86E-44	1.09E-41	3.76
69	Pigyl	Gonadotropes	15.57	7.16E-47	1.63E-44	1.97
70	Chmp4b	Gonadotropes	15.55	1.16E-46	2.59E-44	1.51
71	Cox4i1	Gonadotropes	15.50	5.78E-45	1.17E-42	1.04
72	Fam13a	Gonadotropes	15.48	1.18E-44	2.37E-42	3.16
73	Ndufa6	Gonadotropes	15.45	3.32E-45	6.83E-43	1.25
74	mt-Nd2	Gonadotropes	15.43	8.80E-46	1.84E-43	1.28
75	Snx15	Gonadotropes	15.42	1.46E-44	2.89E-42	2.68
76	Mt3	Gonadotropes	15.20	4.69E-44	8.93E-42	2.56
77	Fkbp2	Gonadotropes	15.15	3.11E-44	6.08E-42	1.32
78	Ascl1	Gonadotropes	15.09	5.02E-43	9.12E-41	3.07
79	Mrpl33	Gonadotropes	15.06	3.57E-44	6.90E-42	1.48
80	Dlgap1	Gonadotropes	15.05	1.19E-40	1.85E-38	4.91
81	Chchd2	Gonadotropes	15.00	2.32E-42	4.07E-40	1.03
82	Grem1	Gonadotropes	14.99	8.79E-40	1.33E-37	6.01
83	Dner	Gonadotropes	14.98	5.15E-44	9.70E-42	1.98
84	Cox8a	Gonadotropes	14.97	1.68E-42	3.02E-40	1.07
85	Cox20	Gonadotropes	14.91	1.15E-43	2.12E-41	1.70
86	Ctxn1	Gonadotropes	14.91	3.45E-42	5.98E-40	2.86
87	Pak3	Gonadotropes	14.88	2.15E-42	3.82E-40	2.79
88	Spint2	Gonadotropes	14.85	4.80E-42	8.14E-40	1.15
89	Stmn2	Gonadotropes	14.84	2.60E-40	4.01E-38	4.24
90	Kcnk3	Gonadotropes	14.82	3.75E-41	5.96E-39	3.75
91	Rmst	Gonadotropes	14.73	1.64E-41	2.66E-39	3.17
92	mt-Nd5	Gonadotropes	14.72	6.17E-42	1.04E-39	1.32
93	Gas6	Gonadotropes	14.62	4.79E-42	8.14E-40	2.58
94	Romo1	Gonadotropes	14.54	1.31E-41	2.18E-39	1.38
95	Qpct	Gonadotropes	14.54	3.29E-41	5.28E-39	2.82
96	Trp53i11	Gonadotropes	14.47	1.58E-41	2.60E-39	2.03
97	Tmem52	Gonadotropes	14.44	1.16E-40	1.83E-38	2.56
98	Pcsk1n	Gonadotropes	14.33	6.19E-39	8.85E-37	1.15
99	Isl1	Gonadotropes	14.30	6.12E-39	8.83E-37	3.62
100	Actl6b	Gonadotropes	14.24	2.86E-40	4.38E-38	2.04
1	Tshb	Thyrotropes	29.77	3.26E-74	2.52E-70	7.36
2	Chgb	Thyrotropes	28.79	4.71E-84	7.27E-80	4.92

3	Cga	Thyrotropes	25.05	3.14E-73	1.62E-69	5.19
4	Resp18	Thyrotropes	22.24	2.70E-63	1.04E-59	3.41
5	Nenf	Thyrotropes	19.19	9.29E-52	2.87E-48	2.51
6	Cst3	Thyrotropes	15.63	8.10E-39	1.79E-35	2.20
7	Mest	Thyrotropes	15.62	4.92E-40	1.27E-36	2.92
8	Dio2	Thyrotropes	14.75	2.27E-31	3.30E-28	5.72
9	Thy1	Thyrotropes	14.07	1.63E-32	3.14E-29	3.31
10	Scg2	Thyrotropes	13.74	1.99E-32	3.42E-29	2.42
11	Lrpap1	Thyrotropes	13.19	2.35E-31	3.30E-28	2.21
12	mt-Nd1	Thyrotropes	13.05	1.13E-30	1.45E-27	1.66
13	Chga	Thyrotropes	12.83	1.81E-29	2.15E-26	3.09
14	mt-Nd2	Thyrotropes	12.50	1.68E-28	1.85E-25	1.56
15	mt-Nd4	Thyrotropes	12.24	7.49E-28	7.71E-25	1.55
16	Bsg	Thyrotropes	12.07	3.38E-27	2.89E-24	1.49
17	Gnas	Thyrotropes	12.06	2.42E-27	2.19E-24	1.09
18	mt-Co2	Thyrotropes	11.89	1.71E-26	1.39E-23	1.36
19	mt-Cytb	Thyrotropes	11.80	2.78E-26	2.15E-23	1.43
20	Scg5	Thyrotropes	11.65	1.08E-25	7.93E-23	1.70
21	Wfdc2	Thyrotropes	11.63	7.63E-24	4.91E-21	3.74
22	mt-Nd5	Thyrotropes	11.37	8.30E-25	5.83E-22	1.63
23	Rbp4	Thyrotropes	11.36	9.36E-24	5.78E-21	2.98
24	Tmem59l	Thyrotropes	11.28	1.28E-24	8.60E-22	1.99
25	mt-Co3	Thyrotropes	11.03	1.03E-23	6.09E-21	1.34
26	mt-Atp6	Thyrotropes	11.00	1.37E-23	7.84E-21	1.29
27	Pld3	Thyrotropes	10.75	7.93E-23	4.37E-20	1.69
28	Ly6h	Thyrotropes	10.67	1.61E-22	8.59E-20	2.24
29	Slc10a4	Thyrotropes	10.49	1.36E-20	6.76E-18	3.53
30	Parm1	Thyrotropes	10.20	5.17E-20	2.49E-17	3.01
31	mt-Co1	Thyrotropes	10.19	7.80E-21	4.01E-18	1.19
32	Pcsk1n	Thyrotropes	10.09	7.85E-20	3.67E-17	1.26
33	Trhr	Thyrotropes	9.93	4.87E-18	1.83E-15	8.30
34	Stmn3	Thyrotropes	9.75	1.46E-19	6.61E-17	1.77
35	Fkbp2	Thyrotropes	9.73	1.69E-19	7.45E-17	1.52
36	Igfbp5	Thyrotropes	9.66	4.79E-19	2.05E-16	2.91
37	Atp1b1	Thyrotropes	9.57	5.39E-19	2.25E-16	1.65
38	Ptpn	Thyrotropes	9.48	1.04E-18	4.24E-16	1.78
39	Ssr4	Thyrotropes	9.42	1.53E-18	6.06E-16	1.39
40	Aplp1	Thyrotropes	9.36	2.43E-18	9.37E-16	1.46
41	Sdc2	Thyrotropes	9.25	6.18E-18	2.27E-15	1.81
42	Rasd1	Thyrotropes	9.10	2.21E-17	7.74E-15	2.39
43	Dlk1	Thyrotropes	8.99	8.85E-17	2.97E-14	1.67
44	Rorb	Thyrotropes	8.96	1.86E-16	6.10E-14	2.80
45	Gaa	Thyrotropes	8.93	6.10E-17	2.09E-14	1.83

46	Grin3a	Thyrotropes	8.72	4.92E-15	1.55E-12	5.98
47	Cadm1	Thyrotropes	8.63	4.61E-16	1.48E-13	1.58
48	Tmed3	Thyrotropes	8.23	7.78E-15	2.40E-12	1.48
49	Pdia3	Thyrotropes	8.19	8.79E-15	2.66E-12	1.19
50	Cpq	Thyrotropes	8.14	1.26E-14	3.75E-12	1.58
51	Sdf4	Thyrotropes	8.11	1.50E-14	4.38E-12	1.40
52	Spint2	Thyrotropes	8.10	2.03E-14	5.80E-12	1.04
53	Nell1	Thyrotropes	8.09	1.71E-13	4.56E-11	5.54
54	Sdf2l1	Thyrotropes	7.95	5.23E-14	1.47E-11	1.65
55	Irs4	Thyrotropes	7.87	2.03E-13	5.31E-11	2.78
56	Adgrb3	Thyrotropes	7.80	7.20E-13	1.76E-10	4.18
57	Ndufa13	Thyrotropes	7.76	1.60E-13	4.40E-11	1.01
58	Calr	Thyrotropes	7.74	1.71E-13	4.56E-11	1.30
59	Fam171b	Thyrotropes	7.72	2.91E-13	7.37E-11	2.03
60	Rabac1	Thyrotropes	7.66	3.09E-13	7.69E-11	0.98
61	Cd59a	Thyrotropes	7.58	8.24E-13	1.99E-10	2.17
62	mt-Nd3	Thyrotropes	7.44	1.18E-12	2.81E-10	1.30
63	Slc22a17	Thyrotropes	7.43	1.91E-12	4.48E-10	2.03
64	Ttn	Thyrotropes	7.31	1.46E-11	3.08E-09	5.25
65	Plcb1	Thyrotropes	7.30	6.74E-12	1.53E-09	2.86
66	Scg3	Thyrotropes	7.29	3.20E-12	7.36E-10	1.51
67	Pcsk1	Thyrotropes	7.18	8.68E-12	1.94E-09	2.14
68	Sdc4	Thyrotropes	7.17	1.15E-11	2.46E-09	2.72
69	Lmo7	Thyrotropes	7.16	1.03E-11	2.23E-09	2.01
70	Atp6v0e	Thyrotropes	7.11	9.61E-12	2.12E-09	1.13
71	Ttr	Thyrotropes	7.02	5.25E-11	1.05E-08	3.58
72	Tagln3	Thyrotropes	7.01	6.29E-11	1.21E-08	4.06
73	Vstm2l	Thyrotropes	6.91	5.78E-11	1.13E-08	2.46
74	Aga	Thyrotropes	6.87	4.62E-11	9.39E-09	1.52
75	Tgoln1	Thyrotropes	6.82	5.47E-11	1.08E-08	1.32
76	5330417C22Rik	Thyrotropes	6.79	6.41E-11	1.22E-08	1.17
77	Gata2	Thyrotropes	6.77	1.30E-10	2.34E-08	2.61
78	Olfm1	Thyrotropes	6.65	1.74E-10	3.09E-08	1.69
79	March11	Thyrotropes	6.58	4.31E-10	7.32E-08	3.04
80	Nrsn1	Thyrotropes	6.56	2.87E-10	5.03E-08	1.58
81	Gria2	Thyrotropes	6.55	4.12E-10	7.07E-08	2.28
82	Kcnk3	Thyrotropes	6.53	7.00E-10	1.14E-07	3.39
83	Ccdc28a	Thyrotropes	6.50	5.02E-10	8.43E-08	2.05
84	Tmed10	Thyrotropes	6.50	3.73E-10	6.46E-08	0.91
85	RP23-231J2.1	Thyrotropes	6.47	9.93E-10	1.56E-07	3.58
86	App	Thyrotropes	6.39	6.55E-10	1.08E-07	1.12
87	Ctsl	Thyrotropes	6.35	8.30E-10	1.33E-07	1.18
88	Pitx1	Thyrotropes	6.35	9.06E-10	1.44E-07	1.49

89	mt-Nd4l	Thyrotropes	6.33	1.02E-09	1.59E-07	1.39
90	AI593442	Thyrotropes	6.29	1.58E-09	2.40E-07	1.97
91	Gpc6	Thyrotropes	6.20	3.21E-09	4.63E-07	2.69
92	Rcn1	Thyrotropes	6.19	2.28E-09	3.39E-07	1.44
93	Nrxn1	Thyrotropes	6.15	2.97E-09	4.33E-07	1.69
94	Tmem130	Thyrotropes	6.13	3.70E-09	5.20E-07	1.83
95	Tmx4	Thyrotropes	6.12	3.51E-09	5.02E-07	1.42
96	Scn3a	Thyrotropes	6.10	5.15E-09	7.03E-07	2.43
97	Tspan2	Thyrotropes	6.03	6.22E-09	8.42E-07	1.87
98	Atp6ap1	Thyrotropes	6.00	6.34E-09	8.52E-07	1.29
99	Cntn1	Thyrotropes	5.99	7.82E-09	1.02E-06	1.78
100	Tmem59	Thyrotropes	5.95	7.74E-09	1.02E-06	0.83
1	Plvap	Endothelial Cells	86.42	1.03E-203	1.58E-199	9.69
2	Emcn	Endothelial Cells	64.17	3.48E-160	1.07E-156	9.06
3	Egfl7	Endothelial Cells	58.21	3.65E-148	9.38E-145	8.65
4	Plpp1	Endothelial Cells	57.53	3.99E-166	1.54E-162	7.33
5	Sparc	Endothelial Cells	53.05	2.21E-186	1.71E-182	6.77
6	Igfbp7	Endothelial Cells	48.95	9.70E-170	4.99E-166	7.36
7	Esam	Endothelial Cells	45.00	1.42E-119	1.56E-116	8.50
8	Igfbp3	Endothelial Cells	43.41	8.34E-114	8.58E-111	9.88
9	H2-D1	Endothelial Cells	41.77	1.28E-142	2.47E-139	4.54
10	Tmsb4x	Endothelial Cells	40.18	2.12E-123	2.73E-120	4.98
11	Itm2a	Endothelial Cells	40.18	2.29E-110	2.08E-107	8.11
12	Ifitm3	Endothelial Cells	39.02	7.59E-146	1.67E-142	5.43
13	Prss23	Endothelial Cells	38.71	5.62E-110	4.82E-107	7.51
14	Serinc3	Endothelial Cells	38.13	6.04E-141	1.04E-137	4.19
15	Eng	Endothelial Cells	36.74	2.15E-100	1.51E-97	8.29
16	Prkcdbp	Endothelial Cells	36.70	4.37E-123	5.19E-120	4.94
17	Kdr	Endothelial Cells	35.70	1.80E-95	9.95E-93	9.99
18	Abcg2	Endothelial Cells	33.84	1.65E-96	1.02E-93	6.71
19	Ramp2	Endothelial Cells	33.80	9.71E-96	5.55E-93	7.52
20	My112a	Endothelial Cells	33.56	1.70E-124	2.39E-121	3.74
21	Tm4sf1	Endothelial Cells	32.78	6.69E-104	4.91E-101	5.84
22	Gng11	Endothelial Cells	32.72	2.61E-113	2.52E-110	4.51
23	Ly6a	Endothelial Cells	32.58	2.69E-93	1.43E-90	7.07
24	Rgcc	Endothelial Cells	32.28	1.76E-96	1.04E-93	6.23
25	Ly6e	Endothelial Cells	30.62	1.43E-107	1.10E-104	3.70
26	Ehd4	Endothelial Cells	30.46	2.85E-88	1.29E-85	6.31
27	Vamp5	Endothelial Cells	30.45	2.05E-85	8.80E-83	6.96
28	H2-K1	Endothelial Cells	29.94	3.73E-109	3.03E-106	3.89
29	Adgrl4	Endothelial Cells	29.93	2.86E-81	1.10E-78	9.22
30	Ctla2a	Endothelial Cells	29.49	2.03E-80	7.28E-78	8.74

31	Fam167b	Endothelial Cells	29.40	6.26E-80	2.20E-77	9.12
32	Klf2	Endothelial Cells	29.21	9.37E-87	4.13E-84	6.28
33	Srgn	Endothelial Cells	29.01	3.35E-85	1.40E-82	6.52
34	Timp3	Endothelial Cells	28.35	5.53E-89	2.59E-86	5.74
35	Slc9a3r2	Endothelial Cells	28.35	6.82E-81	2.57E-78	6.10
36	Nrp1	Endothelial Cells	27.77	1.12E-80	4.13E-78	6.32
37	Pecam1	Endothelial Cells	27.76	6.68E-76	2.19E-73	8.11
38	Kank3	Endothelial Cells	27.60	2.97E-76	9.95E-74	7.48
39	Ifitm2	Endothelial Cells	27.08	3.34E-93	1.72E-90	3.00
40	Mmrn2	Endothelial Cells	26.87	7.15E-73	2.21E-70	8.79
41	Sdpr	Endothelial Cells	26.81	1.16E-72	3.45E-70	8.98
42	Crip2	Endothelial Cells	26.64	1.29E-92	6.40E-90	3.72
43	Clec14a	Endothelial Cells	26.25	3.78E-71	1.02E-68	8.72
44	Id3	Endothelial Cells	26.17	2.64E-75	8.50E-73	6.43
45	B2m	Endothelial Cells	25.82	1.74E-77	5.98E-75	3.11
46	Cd81	Endothelial Cells	25.76	1.92E-82	7.61E-80	2.27
47	Atox1	Endothelial Cells	25.56	1.32E-89	6.36E-87	3.14
48	Lmo2	Endothelial Cells	25.55	4.89E-72	1.43E-69	6.32
49	Cdh5	Endothelial Cells	24.34	2.41E-65	5.24E-63	9.02
50	Scarb1	Endothelial Cells	24.09	5.09E-68	1.31E-65	5.60
51	Tinagl1	Endothelial Cells	23.99	8.06E-70	2.14E-67	5.16
52	Bst2	Endothelial Cells	23.97	9.73E-73	2.95E-70	5.07
53	Icam2	Endothelial Cells	23.85	4.20E-64	8.64E-62	8.61
54	Marcks	Endothelial Cells	23.64	6.16E-72	1.76E-69	4.62
55	Rasip1	Endothelial Cells	23.59	1.24E-65	2.73E-63	5.94
56	Meis2	Endothelial Cells	23.58	1.43E-67	3.63E-65	5.20
57	Ppia	Endothelial Cells	23.55	3.07E-71	8.45E-69	2.05
58	Slc29a1	Endothelial Cells	22.80	2.41E-71	6.76E-69	3.96
59	Flt1	Endothelial Cells	22.36	3.14E-59	5.51E-57	9.88
60	Gimap6	Endothelial Cells	22.26	2.60E-59	4.62E-57	8.54
61	Eva1b	Endothelial Cells	22.25	7.97E-66	1.78E-63	4.65
62	Hspb1	Endothelial Cells	21.71	1.85E-67	4.62E-65	4.30
63	Tpm4	Endothelial Cells	21.64	3.28E-67	8.04E-65	3.62
64	S100a16	Endothelial Cells	21.55	5.46E-63	1.10E-60	4.78
65	Cd200	Endothelial Cells	21.38	1.45E-66	3.28E-64	3.37
66	Tie1	Endothelial Cells	21.36	2.49E-56	4.08E-54	9.09
67	Pltp	Endothelial Cells	20.99	1.06E-55	1.69E-53	7.38
68	Fam101b	Endothelial Cells	20.90	2.12E-57	3.60E-55	5.44
69	Rhob	Endothelial Cells	20.84	7.49E-64	1.52E-61	3.58
70	Arpc1b	Endothelial Cells	20.76	6.99E-63	1.37E-60	4.18
71	Ipo11	Endothelial Cells	20.69	1.01E-55	1.63E-53	5.99
72	Serpinh1	Endothelial Cells	20.68	4.92E-65	1.05E-62	3.43
73	Plpp3	Endothelial Cells	20.63	4.09E-64	8.54E-62	3.46

74	Gnai2	Endothelial Cells	20.59	8.07E-67	1.86E-64	2.42
75	S100a13	Endothelial Cells	20.58	1.46E-60	2.72E-58	3.85
76	Exoc3l2	Endothelial Cells	20.56	8.89E-54	1.36E-51	9.29
77	Rbms1	Endothelial Cells	20.51	1.89E-61	3.55E-59	3.67
78	Ly6c1	Endothelial Cells	20.07	1.49E-52	2.21E-50	7.57
79	Gm42418	Endothelial Cells	20.07	1.90E-64	4.03E-62	2.77
80	Gas6	Endothelial Cells	19.88	9.77E-58	1.68E-55	4.13
81	Tek	Endothelial Cells	19.88	1.42E-51	2.04E-49	9.51
82	Aplp2	Endothelial Cells	19.74	8.52E-62	1.62E-59	3.06
83	Myl6	Endothelial Cells	19.73	1.75E-62	3.37E-60	2.10
84	Gimap4	Endothelial Cells	19.53	8.41E-51	1.17E-48	8.47
85	Tspan4	Endothelial Cells	19.52	2.20E-52	3.23E-50	5.79
86	Anxa2	Endothelial Cells	19.46	2.52E-60	4.63E-58	3.77
87	Tgfb1	Endothelial Cells	19.38	7.11E-53	1.07E-50	5.51
88	Trp53i11	Endothelial Cells	19.21	1.06E-55	1.69E-53	3.59
89	Col4a1	Endothelial Cells	19.14	1.50E-50	2.05E-48	6.28
90	Mef2c	Endothelial Cells	19.01	2.24E-51	3.21E-49	5.47
91	Msn	Endothelial Cells	18.89	5.28E-51	7.48E-49	5.23
92	F2r	Endothelial Cells	18.68	1.57E-48	2.03E-46	6.51
93	Pdia5	Endothelial Cells	18.57	1.36E-51	1.98E-49	4.18
94	Cyba	Endothelial Cells	18.56	1.48E-55	2.30E-53	4.17
95	Ecscr	Endothelial Cells	18.51	1.73E-47	2.21E-45	8.09
96	Tbxa2r	Endothelial Cells	18.46	4.53E-47	5.69E-45	9.42
97	Tcf4	Endothelial Cells	18.41	1.88E-56	3.11E-54	2.54
98	Jup	Endothelial Cells	18.32	6.47E-51	9.08E-49	3.97
99	Irx3	Endothelial Cells	18.31	1.29E-46	1.59E-44	9.01
100	Lims2	Endothelial Cells	18.31	1.20E-46	1.50E-44	8.51
1	Tyrobp	Macrophages	61.98	4.20E-142	1.62E-138	10.92
2	Fcer1g	Macrophages	61.51	1.41E-143	7.25E-140	10.35
3	Cyba	Macrophages	60.91	1.03E-177	1.58E-173	7.40
4	Ctss	Macrophages	56.63	3.92E-133	1.01E-129	11.42
5	Laptm5	Macrophages	54.62	1.09E-128	2.40E-125	11.22
6	Tmsb4x	Macrophages	54.12	1.00E-149	7.73E-146	6.26
7	C1qb	Macrophages	43.92	1.13E-110	1.75E-107	10.68
8	C1qa	Macrophages	43.38	5.83E-109	7.50E-106	11.46
9	C1qc	Macrophages	42.87	7.26E-108	8.01E-105	11.36
10	Ctsh	Macrophages	39.92	1.77E-106	1.82E-103	8.18
11	H2-D1	Macrophages	39.73	2.42E-138	7.47E-135	4.62
12	Aif1	Macrophages	39.61	1.09E-100	9.35E-98	11.19
13	Unc93b1	Macrophages	38.92	2.78E-108	3.30E-105	6.87
14	Ctsc	Macrophages	38.11	4.06E-99	3.30E-96	8.99
15	Arpc1b	Macrophages	35.99	7.20E-115	1.23E-111	5.51

16	Hexb	Macrophages	35.73	8.21E-101	7.46E-98	7.07
17	Cd52	Macrophages	35.17	2.34E-91	1.34E-88	10.55
18	Csf1r	Macrophages	33.73	1.35E-87	7.19E-85	11.73
19	Fcgr3	Macrophages	32.48	1.24E-84	5.96E-82	11.52
20	Trf	Macrophages	31.99	4.88E-86	2.43E-83	8.11
21	Ly86	Macrophages	31.98	2.05E-83	8.79E-81	11.68
22	Cd68	Macrophages	31.92	1.59E-83	7.01E-81	10.43
23	B2m	Macrophages	31.92	1.04E-94	6.70E-92	3.81
24	Lyz2	Macrophages	31.57	7.10E-83	2.96E-80	10.57
25	Pld4	Macrophages	31.51	2.87E-82	1.14E-79	11.65
26	Apoe	Macrophages	31.50	7.68E-94	4.56E-91	8.11
27	Cd53	Macrophages	31.00	3.60E-81	1.39E-78	10.68
28	Lgmn	Macrophages	30.82	5.63E-95	3.78E-92	5.38
29	Sh3bgrl3	Macrophages	30.78	1.36E-109	1.92E-106	3.70
30	Rgs10	Macrophages	29.80	1.84E-79	6.77E-77	8.00
31	Serinc3	Macrophages	29.20	9.26E-103	8.93E-100	3.99
32	Ctsb	Macrophages	28.91	4.03E-97	2.96E-94	4.10
33	Sat1	Macrophages	28.16	5.32E-90	2.93E-87	4.38
34	Ftl1	Macrophages	28.11	1.28E-97	9.90E-95	3.10
35	Cst3	Macrophages	27.97	9.60E-97	6.74E-94	3.89
36	Psap	Macrophages	27.09	1.10E-94	6.77E-92	3.33
37	Fyb	Macrophages	27.09	6.84E-72	2.20E-69	8.20
38	Mpeg1	Macrophages	26.56	1.17E-69	3.67E-67	11.05
39	Ctsa	Macrophages	25.78	1.40E-77	5.04E-75	4.70
40	Arpc2	Macrophages	25.19	4.51E-86	2.32E-83	3.03
41	Grn	Macrophages	25.12	2.13E-75	7.32E-73	4.68
42	Trem2	Macrophages	24.86	5.04E-65	1.47E-62	10.76
43	H2-K1	Macrophages	24.80	4.07E-84	1.90E-81	3.66
44	Cx3cr1	Macrophages	24.35	1.29E-63	3.42E-61	10.70
45	Sepp1	Macrophages	24.18	5.09E-75	1.71E-72	4.16
46	Spi1	Macrophages	24.18	4.86E-63	1.27E-60	11.67
47	Ctsz	Macrophages	24.16	2.15E-80	8.10E-78	3.33
48	Irf8	Macrophages	24.13	8.83E-64	2.39E-61	7.82
49	Lcp1	Macrophages	23.97	1.15E-62	2.95E-60	9.46
50	Ifngr1	Macrophages	23.09	1.02E-67	3.08E-65	4.68
51	AF251705	Macrophages	22.66	8.61E-59	1.98E-56	10.67
52	Adgre1	Macrophages	22.53	2.53E-58	5.75E-56	11.54
53	Arhgdib	Macrophages	22.43	1.11E-59	2.67E-57	6.84
54	Itgb5	Macrophages	22.40	9.00E-62	2.28E-59	5.37
55	Npc2	Macrophages	22.38	6.54E-74	2.15E-71	2.61
56	Hexa	Macrophages	21.83	2.76E-69	8.51E-67	3.26
57	Lpcat2	Macrophages	21.78	1.85E-56	3.96E-54	8.24
58	Bcl2a1b	Macrophages	21.50	2.57E-55	5.44E-53	11.48



59	Ctsd	Macrophages	21.27	2.01E-60	4.99E-58	4.57
60	H2-DMA	Macrophages	20.92	2.57E-54	5.28E-52	7.14
61	Cd48	Macrophages	20.73	4.84E-53	9.71E-51	11.35
62	Vsir	Macrophages	20.58	5.67E-53	1.12E-50	8.04
63	Fth1	Macrophages	20.44	4.20E-64	1.16E-61	2.11
64	Coro1a	Macrophages	20.41	4.22E-52	7.84E-50	9.89
65	Actb	Macrophages	20.34	9.94E-65	2.84E-62	2.88
66	Cdc42	Macrophages	20.30	2.08E-64	5.83E-62	2.27
67	Ptpn18	Macrophages	20.25	1.24E-52	2.36E-50	6.57
68	Cxcl16	Macrophages	20.04	1.70E-51	3.09E-49	7.41
69	Ms4a7	Macrophages	19.91	1.44E-50	2.53E-48	10.79
70	Capza2	Macrophages	19.63	1.35E-59	3.21E-57	2.85
71	Atox1	Macrophages	19.60	2.44E-59	5.71E-57	3.05
72	Hpgds	Macrophages	19.56	1.35E-49	2.27E-47	9.57
73	Cybb	Macrophages	19.31	1.01E-48	1.62E-46	11.19
74	Fcrls	Macrophages	19.28	1.28E-48	2.01E-46	11.30
75	Fam105a	Macrophages	19.25	1.82E-50	3.13E-48	5.53
76	C3ar1	Macrophages	19.21	1.98E-48	3.09E-46	10.98
77	Cd74	Macrophages	19.17	9.06E-49	1.47E-46	8.51
78	Bst2	Macrophages	18.99	8.60E-51	1.53E-48	5.16
79	Clic1	Macrophages	18.92	2.59E-58	5.78E-56	2.44
80	Lst1	Macrophages	18.87	1.09E-47	1.65E-45	7.52
81	Hpgd	Macrophages	18.84	9.76E-48	1.49E-45	7.35
82	Man2b1	Macrophages	18.28	1.23E-47	1.85E-45	5.11
83	Asah1	Macrophages	18.24	1.05E-52	2.03E-50	3.25
84	Gpx1	Macrophages	18.18	1.02E-52	1.99E-50	2.89
85	Cotl1	Macrophages	18.16	2.65E-51	4.76E-49	3.31
86	Srgn	Macrophages	18.14	9.76E-48	1.49E-45	5.54
87	Lair1	Macrophages	18.12	3.32E-45	4.66E-43	8.40
88	P2ry6	Macrophages	18.03	8.82E-45	1.23E-42	10.94
89	Cyth4	Macrophages	17.94	1.69E-44	2.29E-42	10.96
90	Psmb8	Macrophages	17.91	2.08E-50	3.54E-48	3.29
91	Tgfb1	Macrophages	17.63	2.95E-45	4.18E-43	5.63
92	Fxyd5	Macrophages	17.61	2.35E-44	3.15E-42	6.46
93	Mafb	Macrophages	17.58	4.24E-44	5.65E-42	6.27
94	Marcks	Macrophages	17.52	4.71E-47	6.92E-45	4.24
95	Gatm	Macrophages	17.36	9.35E-43	1.21E-40	9.14
96	Wfdc17	Macrophages	17.28	1.83E-42	2.36E-40	9.68
97	Selplg	Macrophages	17.12	6.48E-42	8.20E-40	11.05
98	Pfn1	Macrophages	16.80	7.30E-49	1.20E-46	2.08
99	Ptprc	Macrophages	16.73	1.08E-40	1.31E-38	10.85
100	Il10rb	Macrophages	16.62	8.59E-44	1.13E-41	3.87

1	Igfbp7	Vascular	61.05	5.33E-174	8.23E-170	8.11
2	Mgp	Vascular	40.19	4.62E-88	2.38E-84	9.28
3	Sparc	Vascular	39.05	2.23E-120	1.72E-116	6.23
4	Serping1	Vascular	34.33	2.59E-77	5.70E-74	8.12
5	Gsn	Vascular	33.92	9.27E-80	2.86E-76	7.50
6	Cfh	Vascular	32.22	7.05E-73	1.21E-69	8.84
7	Dcn	Vascular	31.60	5.22E-70	7.32E-67	10.93
8	Rarres2	Vascular	28.96	5.63E-65	7.25E-62	9.17
9	Pcolce	Vascular	28.00	7.27E-76	1.40E-72	5.38
10	Bgn	Vascular	27.88	2.18E-64	2.41E-61	8.11
11	Cxcl12	Vascular	27.67	1.37E-64	1.63E-61	7.48
12	Ifitm3	Vascular	25.50	6.98E-78	1.80E-74	4.87
13	Itih5	Vascular	24.87	1.76E-56	1.60E-53	9.10
14	Serpinh1	Vascular	24.58	9.23E-72	1.43E-68	4.20
15	Col3a1	Vascular	22.52	1.05E-50	7.39E-48	11.06
16	Olfml3	Vascular	22.19	4.07E-53	3.14E-50	6.42
17	Colec12	Vascular	21.43	1.37E-48	8.46E-46	8.34
18	Inmt	Vascular	20.79	1.09E-46	5.24E-44	10.37
19	Ogn	Vascular	20.76	1.04E-46	5.16E-44	9.59
20	Gstm1	Vascular	20.58	2.86E-59	2.94E-56	4.40
21	Mfap4	Vascular	20.58	3.78E-46	1.67E-43	10.60
22	Islr	Vascular	20.38	2.12E-46	9.92E-44	7.77
23	Cygb	Vascular	20.30	1.03E-45	4.40E-43	8.47
24	Col1a1	Vascular	20.09	5.29E-45	2.15E-42	10.46
25	Tmsb4x	Vascular	20.09	2.09E-56	1.79E-53	3.74
26	Myl9	Vascular	20.03	3.99E-45	1.66E-42	8.27
27	Col1a2	Vascular	20.01	1.01E-52	7.43E-50	4.19
28	Cd302	Vascular	19.30	3.25E-46	1.48E-43	5.26
29	Nr2f2	Vascular	19.25	7.08E-47	3.77E-44	4.80
30	Timp3	Vascular	19.18	8.45E-49	5.67E-46	5.21
31	Prelp	Vascular	18.56	3.15E-42	1.22E-39	6.64
32	Igfbp4	Vascular	18.24	9.29E-43	3.68E-40	5.97
33	Emp3	Vascular	18.16	3.56E-42	1.34E-39	5.83
34	Cald1	Vascular	18.13	1.14E-48	7.34E-46	3.26
35	Col6a1	Vascular	18.08	3.94E-40	1.38E-37	9.08
36	Ifitm2	Vascular	17.62	5.19E-48	3.08E-45	2.60
37	Fxyd1	Vascular	17.61	1.71E-40	6.28E-38	5.81
38	Plat	Vascular	16.84	6.24E-40	2.14E-37	5.21
39	Igfbp2	Vascular	16.80	1.81E-37	5.94E-35	6.69
40	Dpep1	Vascular	16.76	1.39E-36	4.20E-34	10.70
41	Lhfp	Vascular	16.58	3.54E-36	1.03E-33	9.19
42	Pdgfrb	Vascular	16.48	7.17E-36	2.05E-33	10.52
43	Ifitm1	Vascular	16.35	1.65E-35	4.55E-33	10.05

44	S100a6	Vascular	16.04	4.40E-37	1.38E-34	5.33
45	Rbp1	Vascular	15.81	1.45E-35	4.07E-33	5.38
46	Apod	Vascular	15.73	6.04E-34	1.55E-31	9.45
47	Lgals1	Vascular	15.71	2.88E-37	9.26E-35	4.23
48	Fcgrt	Vascular	15.65	4.46E-37	1.38E-34	4.37
49	Cpxm1	Vascular	15.38	5.43E-33	1.27E-30	9.36
50	My112a	Vascular	15.13	9.42E-39	3.16E-36	2.72
51	Lum	Vascular	14.82	1.71E-31	3.47E-29	10.25
52	Phlda1	Vascular	14.58	7.44E-33	1.71E-30	4.50
53	Nrp1	Vascular	14.49	3.51E-33	8.47E-31	4.75
54	Gpx8	Vascular	14.38	4.38E-31	8.55E-29	5.68
55	Ndr2	Vascular	14.37	6.80E-32	1.47E-29	4.72
56	Nupr1	Vascular	14.37	5.83E-31	1.13E-28	5.91
57	Eva1b	Vascular	14.35	1.34E-32	2.99E-30	4.26
58	Matn2	Vascular	14.28	4.24E-30	7.99E-28	8.43
59	Efemp1	Vascular	14.19	9.14E-34	2.31E-31	3.28
60	Tmem100	Vascular	14.18	7.49E-30	1.38E-27	8.57
61	Mdk	Vascular	14.15	1.36E-32	2.99E-30	4.03
62	Sept11	Vascular	14.14	2.53E-31	5.08E-29	4.32
63	Thbd	Vascular	14.09	5.05E-30	9.39E-28	6.62
64	Ppib	Vascular	14.09	4.22E-35	1.12E-32	2.41
65	Sod3	Vascular	14.07	9.92E-30	1.80E-27	6.81
66	Mxra8	Vascular	14.06	2.33E-30	4.43E-28	5.33
67	Plpp3	Vascular	14.02	4.30E-33	1.02E-30	3.26
68	G0s2	Vascular	14.01	6.87E-32	1.47E-29	4.32
69	Atp1a2	Vascular	13.89	4.13E-31	8.17E-29	4.55
70	Tsc22d1	Vascular	13.88	4.57E-34	1.19E-31	2.42
71	Nid1	Vascular	13.69	9.82E-29	1.72E-26	6.86
72	Adap2	Vascular	13.51	1.27E-28	2.20E-26	6.25
73	Htra1	Vascular	13.34	5.83E-28	9.68E-26	6.39
74	Cnn3	Vascular	13.32	8.44E-32	1.78E-29	2.91
75	Sparcl1	Vascular	13.22	8.07E-29	1.43E-26	4.52
76	Apoe	Vascular	13.20	9.18E-32	1.91E-29	3.45
77	Serpinf1	Vascular	13.07	5.36E-27	8.44E-25	6.79
78	Cox6b2	Vascular	13.00	8.42E-27	1.30E-24	6.64
79	Il33	Vascular	12.88	2.34E-26	3.48E-24	7.34
80	Lrp1	Vascular	12.85	2.75E-27	4.42E-25	4.48
81	Fhl2	Vascular	12.84	3.31E-26	4.82E-24	8.27
82	Lama2	Vascular	12.84	3.79E-26	5.47E-24	10.29
83	Fstl1	Vascular	12.83	5.23E-27	8.32E-25	5.02
84	Emilin1	Vascular	12.81	2.02E-26	3.06E-24	6.24
85	Id3	Vascular	12.78	8.07E-28	1.33E-25	4.61
86	Cp	Vascular	12.67	7.30E-26	1.03E-23	7.03

87	Crispld2	Vascular	12.60	6.36E-27	9.92E-25	3.84
88	Ccdc80	Vascular	12.52	5.94E-26	8.49E-24	5.25
89	Sept4	Vascular	12.31	1.23E-25	1.71E-23	4.56
90	Col4a1	Vascular	12.19	3.45E-25	4.71E-23	5.23
91	C1s1	Vascular	12.19	2.20E-24	2.83E-22	9.73
92	Cntfr	Vascular	12.14	1.29E-24	1.71E-22	5.54
93	Cldn11	Vascular	12.08	2.90E-24	3.70E-22	6.39
94	Foxd1	Vascular	11.96	9.41E-24	1.13E-21	11.05
95	Tmem37	Vascular	11.83	6.94E-25	9.23E-23	3.77
96	Csrp1	Vascular	11.75	1.34E-24	1.75E-22	3.61
97	Tcf21	Vascular	11.70	4.88E-23	5.58E-21	10.14
98	Oaf	Vascular	11.54	3.71E-24	4.69E-22	3.39
99	Ctsl	Vascular	11.54	7.88E-26	1.11E-23	1.88
100	Ramp2	Vascular	11.53	1.07E-23	1.27E-21	4.78
1	Aldoc	Stem Cells	73.81	4.85E-306	3.74E-302	6.45
2	Gstm1	Stem Cells	72.32	6.90E-307	1.07E-302	6.75
3	Anxa2	Stem Cells	61.14	2.71E-275	1.40E-271	5.70
4	Mia	Stem Cells	59.71	5.94E-212	1.84E-208	7.50
5	Cyp2f2	Stem Cells	56.21	2.02E-183	2.22E-180	8.58
6	Folr1	Stem Cells	53.12	6.88E-184	8.17E-181	7.29
7	Sox2	Stem Cells	53.06	1.53E-198	2.63E-195	6.37
8	Ifitm3	Stem Cells	50.84	1.52E-233	5.88E-230	5.81
9	Mgst1	Stem Cells	50.72	3.54E-200	6.83E-197	5.85
10	Pla2g7	Stem Cells	47.65	5.28E-187	6.80E-184	5.99
11	Ly6e	Stem Cells	47.34	1.13E-210	2.49E-207	4.25
12	Cd9	Stem Cells	46.30	2.04E-211	5.25E-208	4.28
13	Rbpms	Stem Cells	44.39	7.46E-155	5.24E-152	7.02
14	Glul	Stem Cells	43.42	5.75E-198	8.87E-195	4.25
15	Cnn3	Stem Cells	42.59	4.96E-189	6.97E-186	4.40
16	Hspb1	Stem Cells	41.63	4.00E-181	4.11E-178	5.02
17	Ldhb	Stem Cells	41.00	8.20E-174	6.66E-171	4.78
18	Rhoc	Stem Cells	38.98	6.04E-174	5.49E-171	4.00
19	Atp1b1	Stem Cells	38.97	7.71E-174	6.61E-171	3.32
20	Ezr	Stem Cells	38.84	2.05E-166	1.58E-163	4.15
21	Igfbp5	Stem Cells	37.37	7.02E-147	4.51E-144	5.63
22	Cd24a	Stem Cells	37.29	4.43E-144	2.73E-141	5.34
23	Lcn2	Stem Cells	37.22	1.01E-125	4.72E-123	8.00
24	Crip2	Stem Cells	36.59	1.76E-163	1.30E-160	3.60
25	Plat	Stem Cells	35.84	1.14E-129	5.85E-127	6.37
26	Slc9a3r1	Stem Cells	35.04	4.23E-123	1.86E-120	6.44
27	Phgdh	Stem Cells	34.79	1.40E-122	5.99E-120	6.12
28	Hmgcs2	Stem Cells	34.60	5.50E-119	2.18E-116	6.98

29	Tm4sf1	Stem Cells	33.70	2.98E-137	1.70E-134	5.03
30	Marcksl1	Stem Cells	33.20	3.46E-129	1.72E-126	5.02
31	S100a16	Stem Cells	32.94	9.89E-130	5.26E-127	4.95
32	Atp1a1	Stem Cells	32.56	7.56E-139	4.49E-136	2.95
33	Cpxm2	Stem Cells	32.51	1.96E-108	5.71E-106	8.15
34	Ahnak	Stem Cells	31.54	1.13E-114	4.06E-112	5.38
35	Cldn3	Stem Cells	31.02	8.78E-122	3.66E-119	4.18
36	Gsta4	Stem Cells	30.86	1.30E-113	4.56E-111	4.98
37	Zfp36l1	Stem Cells	30.66	9.26E-110	2.98E-107	5.62
38	Ces1d	Stem Cells	30.09	5.89E-104	1.52E-101	6.51
39	Prdx1	Stem Cells	29.85	9.53E-118	3.59E-115	1.99
40	Hes1	Stem Cells	29.77	3.09E-107	8.82E-105	5.49
41	Gstt1	Stem Cells	29.74	4.76E-110	1.60E-107	4.74
42	Clu	Stem Cells	29.44	1.96E-123	8.89E-121	3.51
43	Chpt1	Stem Cells	29.36	1.66E-115	6.12E-113	3.92
44	Mdk	Stem Cells	29.29	3.94E-109	1.22E-106	4.72
45	Kcnk1	Stem Cells	29.28	6.02E-118	2.32E-115	3.65
46	Msx1	Stem Cells	28.96	1.71E-111	5.88E-109	3.85
47	Nfib	Stem Cells	28.84	7.10E-109	2.11E-106	4.55
48	Tmsb4x	Stem Cells	28.59	4.20E-109	1.27E-106	3.31
49	Ndrp2	Stem Cells	28.46	1.49E-105	4.04E-103	4.81
50	Smpd3a	Stem Cells	28.23	1.76E-105	4.69E-103	4.43
51	Psap	Stem Cells	28.21	1.40E-106	3.93E-104	2.31
52	App	Stem Cells	27.97	5.28E-110	1.73E-107	2.38
53	Krt18	Stem Cells	27.83	1.24E-109	3.91E-107	3.46
54	Sdc4	Stem Cells	27.20	2.25E-97	5.04E-95	4.82
55	Tmem176b	Stem Cells	26.87	4.58E-106	1.26E-103	2.03
56	S100a6	Stem Cells	26.76	7.79E-93	1.55E-90	5.72
57	Neat1	Stem Cells	26.35	4.86E-93	9.88E-91	4.86
58	Aldh1a2	Stem Cells	26.26	2.12E-85	3.77E-83	7.40
59	Nfix	Stem Cells	26.22	3.06E-98	7.05E-96	3.75
60	Aplp2	Stem Cells	26.20	2.85E-105	7.45E-103	2.84
61	Nfia	Stem Cells	26.11	5.70E-94	1.19E-91	4.25
62	S100a1	Stem Cells	26.09	1.09E-103	2.76E-101	2.94
63	Rgs2	Stem Cells	26.09	7.38E-94	1.52E-91	4.25
64	Eno1	Stem Cells	26.09	1.40E-103	3.48E-101	3.08
65	Hey1	Stem Cells	26.05	2.56E-86	4.66E-84	6.09
66	Six1	Stem Cells	26.00	3.85E-99	9.00E-97	3.43
67	G0s2	Stem Cells	25.93	4.75E-94	1.00E-91	4.67
68	Cryab	Stem Cells	25.57	3.07E-85	5.38E-83	5.61
69	Mt1	Stem Cells	25.29	5.25E-100	1.27E-97	2.78
70	Fcgrt	Stem Cells	25.27	1.60E-95	3.48E-93	4.10
71	Pbxip1	Stem Cells	25.20	9.52E-100	2.26E-97	2.66

72	Aldh2	Stem Cells	25.03	4.77E-98	1.08E-95	2.90
73	Sox4	Stem Cells	24.97	4.16E-97	9.17E-95	3.13
74	Krt8	Stem Cells	24.89	1.23E-91	2.37E-89	3.64
75	Timp3	Stem Cells	24.69	1.02E-91	1.99E-89	4.50
76	Cldn7	Stem Cells	24.53	1.99E-81	3.30E-79	5.53
77	Mt2	Stem Cells	24.42	3.19E-95	6.85E-93	3.09
78	Stx18	Stem Cells	24.38	1.82E-88	3.46E-86	3.58
79	Bdh2	Stem Cells	24.38	4.95E-79	7.65E-77	6.47
80	Hsd11b1	Stem Cells	24.18	5.10E-80	8.20E-78	6.10
81	Ptma	Stem Cells	23.71	1.44E-86	2.68E-84	1.77
82	Slc15a2	Stem Cells	23.67	1.35E-77	2.02E-75	5.51
83	Ppia	Stem Cells	23.03	4.29E-81	7.04E-79	1.69
84	S100a11	Stem Cells	22.99	1.02E-86	1.92E-84	2.06
85	H2-K1	Stem Cells	22.90	1.49E-86	2.75E-84	2.87
86	Lgals3	Stem Cells	22.81	4.87E-76	7.07E-74	5.44
87	Actg1	Stem Cells	22.80	1.57E-85	2.82E-83	2.03
88	Otud1	Stem Cells	22.59	4.03E-74	5.70E-72	4.93
89	H3f3b	Stem Cells	22.54	9.89E-82	1.67E-79	1.66
90	Aldh1a1	Stem Cells	22.48	3.09E-71	4.01E-69	6.48
91	Ctnna1	Stem Cells	22.42	7.90E-84	1.37E-81	2.55
92	Ccdc80	Stem Cells	22.32	2.66E-73	3.74E-71	5.40
93	Ltbp4	Stem Cells	22.29	4.00E-73	5.42E-71	5.11
94	Dctn6	Stem Cells	22.24	3.85E-79	6.01E-77	3.00
95	Ppib	Stem Cells	22.18	1.42E-82	2.43E-80	2.40
96	Il17re	Stem Cells	22.14	4.20E-69	5.14E-67	7.08
97	Dbi	Stem Cells	22.02	9.95E-82	1.67E-79	2.35
98	Slc16a11	Stem Cells	22.00	1.39E-69	1.72E-67	5.66
99	Por	Stem Cells	21.87	1.54E-80	2.49E-78	2.68
100	Dstn	Stem Cells	21.81	1.25E-79	1.99E-77	1.91
1	Stmn1	Pou1f1 Mixed Cells	11.48	1.24E-23	1.91E-19	1.66
2	Rprm	Pou1f1 Mixed Cells	10.54	1.46E-21	1.13E-17	2.49
3	Wfdc2	Pou1f1 Mixed Cells	9.77	1.09E-18	4.22E-15	2.92
4	Nnat	Pou1f1 Mixed Cells	9.30	1.18E-16	3.64E-13	1.29
5	Pcp4	Pou1f1 Mixed Cells	8.45	2.48E-15	6.39E-12	1.84
6	Six6	Pou1f1 Mixed Cells	8.31	6.95E-15	1.53E-11	1.67
7	Tubb3	Pou1f1 Mixed Cells	8.12	4.28E-14	8.26E-11	2.62
8	Nes	Pou1f1 Mixed Cells	7.95	2.12E-13	3.64E-10	3.29
9	Pcsk1n	Pou1f1 Mixed Cells	7.89	4.87E-13	6.84E-10	1.00
10	Rab3c	Pou1f1 Mixed Cells	7.33	4.07E-12	5.24E-09	2.21
11	Tppp3	Pou1f1 Mixed Cells	7.25	7.08E-12	8.41E-09	2.22
12	Gmppa	Pou1f1 Mixed Cells	6.51	4.23E-10	4.08E-07	1.55
13	Pitx2	Pou1f1 Mixed Cells	6.41	7.11E-10	6.10E-07	1.22

14	Pde6d	Pou1f1 Mixed Cells	6.31	1.29E-09	1.05E-06	1.32
15	Asic4	Pou1f1 Mixed Cells	6.22	3.32E-09	2.44E-06	2.87
16	Hist1h2bc	Pou1f1 Mixed Cells	5.95	1.07E-08	6.87E-06	0.88
17	Gng11	Pou1f1 Mixed Cells	5.81	1.86E-08	1.10E-05	1.50
18	Gnb3	Pou1f1 Mixed Cells	5.76	2.51E-08	1.39E-05	1.06
19	1700086L19Rik	Pou1f1 Mixed Cells	5.70	3.30E-08	1.75E-05	1.14
20	Pou1f1	Pou1f1 Mixed Cells	5.62	5.44E-08	2.71E-05	1.00
21	Ypel3	Pou1f1 Mixed Cells	5.60	5.83E-08	2.81E-05	0.90
22	6330403K07Rik	Pou1f1 Mixed Cells	5.46	1.19E-07	5.26E-05	0.90
23	4931429111Rik	Pou1f1 Mixed Cells	5.43	1.86E-07	7.19E-05	2.98
24	Necab2	Pou1f1 Mixed Cells	5.42	1.38E-07	5.61E-05	1.28
25	Camk2n1	Pou1f1 Mixed Cells	5.40	1.56E-07	6.19E-05	0.94
26	Steap3	Pou1f1 Mixed Cells	5.15	6.50E-07	2.28E-04	2.60
27	Dbpht2	Pou1f1 Mixed Cells	5.13	5.83E-07	2.09E-04	1.13
28	Cxx1a	Pou1f1 Mixed Cells	5.09	7.15E-07	2.42E-04	0.84
29	Stmn3	Pou1f1 Mixed Cells	5.09	7.22E-07	2.42E-04	0.99
30	Mid1ip1	Pou1f1 Mixed Cells	4.98	1.21E-06	3.97E-04	1.37
31	Thra	Pou1f1 Mixed Cells	4.93	1.53E-06	4.82E-04	1.13
32	Tprgl	Pou1f1 Mixed Cells	4.88	1.91E-06	5.91E-04	0.88
33	Cplx2	Pou1f1 Mixed Cells	4.87	2.00E-06	6.04E-04	1.31
34	Tmem51	Pou1f1 Mixed Cells	4.85	2.33E-06	6.93E-04	2.01
35	Ptn	Pou1f1 Mixed Cells	4.83	2.59E-06	7.41E-04	0.90
36	Chmp2b	Pou1f1 Mixed Cells	4.82	2.47E-06	7.19E-04	1.09
37	Cetn2	Pou1f1 Mixed Cells	4.80	2.69E-06	7.56E-04	0.92
38	Rit2	Pou1f1 Mixed Cells	4.77	3.12E-06	8.59E-04	1.05
39	Ptma	Pou1f1 Mixed Cells	4.77	3.64E-06	9.83E-04	0.62
40	Meg3	Pou1f1 Mixed Cells	4.67	6.84E-06	1.72E-03	0.75
41	Morf4l2	Pou1f1 Mixed Cells	4.66	5.28E-06	1.38E-03	0.67
42	Nkd1	Pou1f1 Mixed Cells	4.61	7.22E-06	1.77E-03	2.31
43	Gng3	Pou1f1 Mixed Cells	4.61	6.91E-06	1.72E-03	1.67
44	Chgb	Pou1f1 Mixed Cells	4.50	1.18E-05	2.67E-03	0.85
45	Chmp5	Pou1f1 Mixed Cells	4.46	1.22E-05	2.74E-03	0.80
46	Tpst1	Pou1f1 Mixed Cells	4.43	1.42E-05	3.14E-03	1.51
47	Ube2e1	Pou1f1 Mixed Cells	4.42	1.47E-05	3.20E-03	0.90
48	Cst3	Pou1f1 Mixed Cells	4.35	2.12E-05	4.44E-03	0.68
49	Robo2	Pou1f1 Mixed Cells	4.34	2.18E-05	4.44E-03	2.07
50	Sod2	Pou1f1 Mixed Cells	4.34	2.13E-05	4.44E-03	0.77
51	Calm2	Pou1f1 Mixed Cells	4.31	2.56E-05	5.00E-03	0.51
52	Six3	Pou1f1 Mixed Cells	4.29	2.54E-05	5.00E-03	1.19
53	Blcap	Pou1f1 Mixed Cells	4.28	2.65E-05	5.12E-03	0.95
54	Cbx6	Pou1f1 Mixed Cells	4.21	3.57E-05	6.80E-03	0.95
55	Ly6h	Pou1f1 Mixed Cells	4.20	3.92E-05	7.29E-03	0.92
56	Angpt1	Pou1f1 Mixed Cells	4.20	4.08E-05	7.50E-03	2.29

57	Cxx1b	Pou1f1 Mixed Cells	4.20	3.77E-05	7.09E-03	0.94
58	Rpl10	Pou1f1 Mixed Cells	4.15	5.45E-05	9.25E-03	0.46
59	H3f3a	Pou1f1 Mixed Cells	4.15	4.74E-05	8.50E-03	0.58
60	Dapl1	Pou1f1 Mixed Cells	4.13	4.89E-05	8.68E-03	1.03
61	Ywhae	Pou1f1 Mixed Cells	4.13	5.08E-05	8.81E-03	0.59
62	Ppp3ca	Pou1f1 Mixed Cells	4.11	5.41E-05	9.25E-03	0.81
63	Dlk1	Pou1f1 Mixed Cells	4.10	6.79E-05	1.10E-02	0.74
64	Dnaja2	Pou1f1 Mixed Cells	4.10	5.63E-05	9.45E-03	0.93
65	2310009B15Rik	Pou1f1 Mixed Cells	4.08	6.23E-05	1.03E-02	1.20
66	Hepacam2	Pou1f1 Mixed Cells	4.05	6.91E-05	1.11E-02	1.52
67	Cxxc5	Pou1f1 Mixed Cells	4.03	7.33E-05	1.17E-02	0.85
68	Nrsn2	Pou1f1 Mixed Cells	3.97	1.02E-04	1.59E-02	2.22
69	Penk	Pou1f1 Mixed Cells	3.95	1.12E-04	1.68E-02	2.42
70	Anxa5	Pou1f1 Mixed Cells	3.94	1.06E-04	1.63E-02	0.59
71	Dusp26	Pou1f1 Mixed Cells	3.93	1.08E-04	1.64E-02	0.82
72	Gm2694	Pou1f1 Mixed Cells	3.92	1.17E-04	1.73E-02	1.49
73	Gpm6a	Pou1f1 Mixed Cells	3.91	1.21E-04	1.78E-02	1.49
74	Chchd7	Pou1f1 Mixed Cells	3.87	1.39E-04	2.02E-02	0.80
75	Edil3	Pou1f1 Mixed Cells	3.87	1.44E-04	2.06E-02	1.78
76	Arpc5	Pou1f1 Mixed Cells	3.86	1.46E-04	2.07E-02	0.75
77	Klhdc8b	Pou1f1 Mixed Cells	3.85	1.52E-04	2.14E-02	1.13
78	Gnas	Pou1f1 Mixed Cells	3.85	1.61E-04	2.24E-02	0.32
79	Sf3b6	Pou1f1 Mixed Cells	3.77	2.02E-04	2.68E-02	0.70
80	Htatsf1	Pou1f1 Mixed Cells	3.77	2.05E-04	2.71E-02	0.66
81	1700024P16Rik	Pou1f1 Mixed Cells	3.75	2.32E-04	2.94E-02	2.30
82	Syce2	Pou1f1 Mixed Cells	3.75	2.25E-04	2.90E-02	1.52
83	Sub1	Pou1f1 Mixed Cells	3.75	2.25E-04	2.90E-02	0.53
84	Pcp4l1	Pou1f1 Mixed Cells	3.74	2.30E-04	2.94E-02	1.07
85	Smco4	Pou1f1 Mixed Cells	3.72	2.43E-04	3.06E-02	0.87
86	Pnmal2	Pou1f1 Mixed Cells	3.72	2.47E-04	3.07E-02	0.66
87	Eid1	Pou1f1 Mixed Cells	3.72	2.48E-04	3.07E-02	0.69
88	Gpr162	Pou1f1 Mixed Cells	3.68	2.85E-04	3.46E-02	1.33
89	Bex2	Pou1f1 Mixed Cells	3.68	2.93E-04	3.51E-02	0.56
90	H3f3b	Pou1f1 Mixed Cells	3.68	3.02E-04	3.55E-02	0.46
91	Arxes2	Pou1f1 Mixed Cells	3.67	2.99E-04	3.55E-02	0.86
92	Cyb561	Pou1f1 Mixed Cells	3.66	3.09E-04	3.62E-02	0.87
93	Tuba1a	Pou1f1 Mixed Cells	3.66	3.17E-04	3.63E-02	0.55
94	Ptms	Pou1f1 Mixed Cells	3.66	3.12E-04	3.62E-02	0.68
95	Fam92b	Pou1f1 Mixed Cells	3.66	3.16E-04	3.63E-02	1.19
96	Vstm2l	Pou1f1 Mixed Cells	3.65	3.23E-04	3.67E-02	1.43
97	Fkbp4	Pou1f1 Mixed Cells	3.64	3.34E-04	3.73E-02	0.72
98	Ak1	Pou1f1 Mixed Cells	3.64	3.46E-04	3.79E-02	1.50
99	Ppp1cc	Pou1f1 Mixed Cells	3.63	3.49E-04	3.79E-02	0.79



<b>100</b>	Nenf	Pou1f1 Mixed Cells	3.62	3.65E-04	3.92E-02	0.56
<b>1</b>	Lmo1	Posterior Pituitary Cells	26.52	8.00E-54	4.12E-50	5.48
<b>2</b>	Ptn	Posterior Pituitary Cells	26.43	2.05E-56	1.59E-52	4.41
<b>3</b>	Arl6ip1	Posterior Pituitary Cells	25.81	9.13E-59	1.41E-54	4.12
<b>4</b>	Gpc3	Posterior Pituitary Cells	25.00	2.29E-45	7.06E-42	7.02
<b>5</b>	Mest	Posterior Pituitary Cells	22.48	1.42E-51	5.50E-48	4.37
<b>6</b>	Scn7a	Posterior Pituitary Cells	21.70	4.58E-36	5.89E-33	9.94
<b>7</b>	Rgcc	Posterior Pituitary Cells	20.77	6.87E-43	1.77E-39	5.69
<b>8</b>	Col25a1	Posterior Pituitary Cells	20.52	2.35E-34	2.13E-31	9.58
<b>9</b>	Csrp1	Posterior Pituitary Cells	20.11	1.03E-41	2.26E-38	4.83
<b>10</b>	Cldn10	Posterior Pituitary Cells	20.02	1.04E-34	1.00E-31	7.67
<b>11</b>	Rax	Posterior Pituitary Cells	20.01	1.63E-33	1.33E-30	9.80
<b>12</b>	Col13a1	Posterior Pituitary Cells	19.95	9.14E-35	9.41E-32	7.67
<b>13</b>	Apoe	Posterior Pituitary Cells	19.84	1.17E-41	2.26E-38	4.99
<b>14</b>	Anxa2	Posterior Pituitary Cells	17.98	2.44E-40	4.19E-37	4.49
<b>15</b>	Nt5dc2	Posterior Pituitary Cells	17.91	1.82E-36	2.55E-33	4.61
<b>16</b>	Eno1	Posterior Pituitary Cells	17.62	3.46E-38	5.34E-35	3.94
<b>17</b>	Igfbp4	Posterior Pituitary Cells	17.22	2.77E-32	2.03E-29	6.05
<b>18</b>	Fndc3c1	Posterior Pituitary Cells	16.96	1.22E-28	6.08E-26	10.66
<b>19</b>	Aldoc	Posterior Pituitary Cells	16.63	6.00E-36	7.12E-33	4.64
<b>20</b>	Slc4a4	Posterior Pituitary Cells	16.10	6.57E-28	3.17E-25	6.97
<b>21</b>	Ldhb	Posterior Pituitary Cells	15.82	6.14E-33	4.74E-30	4.27
<b>22</b>	Slc1a3	Posterior Pituitary Cells	15.75	5.08E-27	2.12E-24	7.56
<b>23</b>	Lrrtm3	Posterior Pituitary Cells	15.69	1.64E-26	6.32E-24	10.16
<b>24</b>	Fxyd1	Posterior Pituitary Cells	15.50	2.04E-29	1.17E-26	5.32
<b>25</b>	Id4	Posterior Pituitary Cells	15.37	1.35E-27	5.94E-25	5.90
<b>26</b>	G0s2	Posterior Pituitary Cells	15.31	9.40E-29	4.84E-26	5.45
<b>27</b>	Tbx3	Posterior Pituitary Cells	15.23	2.52E-26	9.27E-24	7.05
<b>28</b>	Gldc	Posterior Pituitary Cells	14.88	4.35E-25	1.53E-22	9.93
<b>29</b>	Mgst1	Posterior Pituitary Cells	14.86	1.76E-31	1.24E-28	4.12
<b>30</b>	Bcan	Posterior Pituitary Cells	14.77	6.51E-26	2.34E-23	6.06
<b>31</b>	Cdh2	Posterior Pituitary Cells	14.52	1.83E-30	1.23E-27	3.53
<b>32</b>	Fgfr1	Posterior Pituitary Cells	14.44	2.36E-26	8.89E-24	5.30
<b>33</b>	Srebf1	Posterior Pituitary Cells	14.27	1.35E-26	5.36E-24	4.66
<b>34</b>	Metrn	Posterior Pituitary Cells	14.24	5.19E-25	1.78E-22	5.93
<b>35</b>	Ntrk2	Posterior Pituitary Cells	14.18	1.28E-29	7.90E-27	3.48
<b>36</b>	Htra1	Posterior Pituitary Cells	14.14	6.09E-25	2.04E-22	6.38
<b>37</b>	Timp3	Posterior Pituitary Cells	13.97	1.43E-29	8.49E-27	4.16
<b>38</b>	Btbd17	Posterior Pituitary Cells	13.95	1.42E-23	4.30E-21	8.37
<b>39</b>	Zfand6	Posterior Pituitary Cells	13.74	4.80E-29	2.56E-26	2.66
<b>40</b>	Fgf10	Posterior Pituitary Cells	13.70	4.69E-23	1.34E-20	8.68
<b>41</b>	Pcdh9	Posterior Pituitary Cells	13.68	7.46E-25	2.45E-22	4.93

42	Mt3	Posterior Pituitary Cells	13.59	1.11E-27	5.03E-25	3.50
43	Tspan7	Posterior Pituitary Cells	13.59	1.39E-27	5.97E-25	3.43
44	Car14	Posterior Pituitary Cells	13.15	5.74E-22	1.53E-19	9.58
45	Nkx2-1	Posterior Pituitary Cells	13.05	9.88E-22	2.50E-19	12.11
46	Cdkn1c	Posterior Pituitary Cells	13.03	2.20E-23	6.40E-21	5.15
47	Cthrc1	Posterior Pituitary Cells	12.99	2.11E-22	5.72E-20	6.03
48	Cd9	Posterior Pituitary Cells	12.91	1.06E-26	4.29E-24	3.29
49	Mdk	Posterior Pituitary Cells	12.41	2.37E-24	7.47E-22	3.86
50	Tmsb4x	Posterior Pituitary Cells	12.27	7.96E-23	2.24E-20	2.94
51	Gja1	Posterior Pituitary Cells	12.20	1.78E-21	4.35E-19	5.48
52	Igfbp5	Posterior Pituitary Cells	12.20	1.61E-24	5.18E-22	3.80
53	Slc6a6	Posterior Pituitary Cells	11.93	7.80E-22	2.01E-19	3.87
54	Dbi	Posterior Pituitary Cells	11.88	1.59E-23	4.73E-21	2.35
55	Islr	Posterior Pituitary Cells	11.85	9.13E-21	2.13E-18	5.69
56	Abca8a	Posterior Pituitary Cells	11.81	8.72E-20	1.95E-17	7.09
57	Gsta4	Posterior Pituitary Cells	11.76	1.12E-21	2.79E-19	4.11
58	Igfbp2	Posterior Pituitary Cells	11.61	2.70E-20	6.23E-18	5.40
59	Plppr1	Posterior Pituitary Cells	11.59	2.40E-19	5.16E-17	6.34
60	Prelp	Posterior Pituitary Cells	11.34	5.30E-20	1.20E-17	5.01
61	Ppib	Posterior Pituitary Cells	11.17	6.65E-22	1.74E-19	2.47
62	Cysltr1	Posterior Pituitary Cells	11.13	3.12E-18	6.51E-16	7.69
63	Gstm1	Posterior Pituitary Cells	11.00	2.20E-21	5.30E-19	3.30
64	Lhx2	Posterior Pituitary Cells	10.73	2.63E-17	5.01E-15	10.97
65	Col23a1	Posterior Pituitary Cells	10.63	4.15E-17	7.62E-15	10.45
66	Nxn	Posterior Pituitary Cells	10.63	6.86E-18	1.36E-15	4.89
67	Acaa2	Posterior Pituitary Cells	10.58	1.39E-19	3.07E-17	3.02
68	Grik3	Posterior Pituitary Cells	10.55	6.19E-18	1.24E-15	4.69
69	Sntb2	Posterior Pituitary Cells	10.48	2.76E-17	5.19E-15	5.49
70	Nfib	Posterior Pituitary Cells	10.48	8.04E-19	1.70E-16	3.77
71	Tbx3os1	Posterior Pituitary Cells	10.40	1.08E-16	1.90E-14	9.33
72	Adm	Posterior Pituitary Cells	10.30	1.15E-16	2.00E-14	7.10
73	Tmem47	Posterior Pituitary Cells	10.19	3.36E-18	6.91E-16	3.21
74	Cd302	Posterior Pituitary Cells	10.18	7.68E-18	1.50E-15	3.96
75	Rgs7bp	Posterior Pituitary Cells	9.97	6.62E-16	1.05E-13	7.46
76	Npc2	Posterior Pituitary Cells	9.81	3.71E-18	7.53E-16	1.92
77	Gpm6b	Posterior Pituitary Cells	9.81	1.07E-16	1.89E-14	4.01
78	Pdpn	Posterior Pituitary Cells	9.76	5.54E-16	9.00E-14	5.06
79	Sparc	Posterior Pituitary Cells	9.68	8.19E-18	1.58E-15	3.31
80	Fhl1	Posterior Pituitary Cells	9.65	8.68E-16	1.35E-13	4.79
81	Sox2	Posterior Pituitary Cells	9.64	6.63E-17	1.20E-14	3.78
82	Fstl1	Posterior Pituitary Cells	9.62	4.55E-16	7.48E-14	4.48
83	Lpar4	Posterior Pituitary Cells	9.62	2.61E-15	3.87E-13	6.58
84	Pld5	Posterior Pituitary Cells	9.54	4.40E-15	6.23E-13	7.25

85	Rcn2	Posterior Pituitary Cells	9.48	3.30E-17	6.13E-15	1.99
86	Tgfb1	Posterior Pituitary Cells	9.46	3.05E-15	4.40E-13	5.62
87	Nkx2-4	Posterior Pituitary Cells	9.36	1.37E-14	1.82E-12	11.09
88	Fbxo2	Posterior Pituitary Cells	9.30	9.16E-17	1.64E-14	2.10
89	Marcks1	Posterior Pituitary Cells	9.23	7.25E-16	1.14E-13	3.62
90	Fbln2	Posterior Pituitary Cells	9.17	2.05E-14	2.68E-12	7.03
91	Gpx8	Posterior Pituitary Cells	9.09	7.23E-15	1.01E-12	4.49
92	Ifi27	Posterior Pituitary Cells	9.07	3.67E-16	6.10E-14	1.77
93	Ism2	Posterior Pituitary Cells	8.98	7.28E-14	9.06E-12	8.98
94	Ctsh	Posterior Pituitary Cells	8.96	1.88E-15	2.84E-13	3.97
95	Sub1	Posterior Pituitary Cells	8.93	8.97E-16	1.39E-13	1.57
96	Ppp1r1b	Posterior Pituitary Cells	8.92	9.56E-14	1.18E-11	8.41
97	Cd81	Posterior Pituitary Cells	8.85	2.05E-15	3.07E-13	1.50
98	Calm2	Posterior Pituitary Cells	8.81	3.47E-15	4.95E-13	1.30
99	Spon1	Posterior Pituitary Cells	8.74	1.41E-13	1.71E-11	6.49
100	Cyba	Posterior Pituitary Cells	8.73	2.91E-15	4.24E-13	3.22

**Table S3:** Expression of the top 100 genes defining individual clusters in the adrenal gland

<b>Adrenal Clusters - Top100 Genes</b>						
<b>Rank</b>	<b>Names</b>	<b>Cell Type</b>	<b>Scores</b>	<b>pval</b>	<b>adj_pval</b>	<b>Log2FC</b>
<b>1</b>	<b><i>Abcb1b</i></b>	<b><i>Zona Fasciculata 1</i></b>	<b>55.09</b>	<b>2.34E-150</b>	<b>3.27E-146</b>	<b>7.39</b>
<b>2</b>	<b><i>Sbsn</i></b>	<b><i>Zona Fasciculata 1</i></b>	<b>36.62</b>	<b>4.08E-88</b>	<b>2.86E-84</b>	<b>6.61</b>
<b>3</b>	<b><i>Srd5a2</i></b>	<b><i>Zona Fasciculata 1</i></b>	<b>32.03</b>	<b>7.78E-86</b>	<b>3.63E-82</b>	<b>5.83</b>
<b>4</b>	<i>Abhd2</i>	<i>Zona Fasciculata 1</i>	23.48	6.37E-68	2.23E-64	3.94
<b>5</b>	<i>Me1</i>	<i>Zona Fasciculata 1</i>	21.33	1.19E-53	3.33E-50	3.13
<b>6</b>	<i>Mrap</i>	<i>Zona Fasciculata 1</i>	18.68	8.30E-51	1.94E-47	3.24
<b>7</b>	<i>mt-Cytb</i>	<i>Zona Fasciculata 1</i>	18.58	3.76E-50	7.52E-47	1.95
<b>8</b>	<i>mt-Nd4</i>	<i>Zona Fasciculata 1</i>	18.07	4.40E-48	6.84E-45	2.04
<b>9</b>	<i>mt-Nd3</i>	<i>Zona Fasciculata 1</i>	18.04	1.33E-48	2.33E-45	2.74
<b>10</b>	<i>Gsg1l</i>	<i>Zona Fasciculata 1</i>	17.58	1.30E-41	9.55E-39	4.33
<b>11</b>	<i>mt-Co3</i>	<i>Zona Fasciculata 1</i>	17.53	7.67E-47	1.07E-43	1.76
<b>12</b>	<i>Idh1</i>	<i>Zona Fasciculata 1</i>	17.51	3.68E-46	4.29E-43	2.94
<b>13</b>	<i>mt-Co2</i>	<i>Zona Fasciculata 1</i>	17.40	2.26E-46	2.88E-43	1.86
<b>14</b>	<i>H2afj</i>	<i>Zona Fasciculata 1</i>	17.06	1.35E-44	1.35E-41	2.36
<b>15</b>	<i>mt-Atp6</i>	<i>Zona Fasciculata 1</i>	17.04	4.44E-45	4.78E-42	1.63
<b>16</b>	<i>Acsbg1</i>	<i>Zona Fasciculata 1</i>	16.86	2.10E-44	1.96E-41	3.25
<b>17</b>	<i>Mapk13</i>	<i>Zona Fasciculata 1</i>	16.83	8.51E-37	4.76E-34	5.82
<b>18</b>	<i>mt-Nd1</i>	<i>Zona Fasciculata 1</i>	16.81	3.77E-44	3.30E-41	1.82
<b>19</b>	<i>mt-Nd4l</i>	<i>Zona Fasciculata 1</i>	16.48	1.07E-42	8.31E-40	2.79
<b>20</b>	<i>Prss35</i>	<i>Zona Fasciculata 1</i>	16.43	7.17E-43	5.90E-40	2.92
<b>21</b>	<i>Cyp11b1</i>	<i>Zona Fasciculata 1</i>	16.35	3.38E-37	2.06E-34	3.18
<b>22</b>	<i>Scd2</i>	<i>Zona Fasciculata 1</i>	15.76	2.59E-40	1.81E-37	2.59
<b>23</b>	<i>Mgst2</i>	<i>Zona Fasciculata 1</i>	15.35	4.30E-32	1.77E-29	7.29
<b>24</b>	<i>Fads1</i>	<i>Zona Fasciculata 1</i>	15.34	2.50E-37	1.59E-34	3.20
<b>25</b>	<i>Mgst1</i>	<i>Zona Fasciculata 1</i>	15.26	1.52E-37	1.02E-34	2.31
<b>26</b>	<i>Taldo1</i>	<i>Zona Fasciculata 1</i>	14.93	7.12E-37	4.15E-34	1.83
<b>27</b>	<i>Uqcc2</i>	<i>Zona Fasciculata 1</i>	14.61	8.79E-35	4.24E-32	1.75
<b>28</b>	<i>mt-Nd2</i>	<i>Zona Fasciculata 1</i>	14.57	1.36E-34	6.33E-32	1.92
<b>29</b>	<i>Acly</i>	<i>Zona Fasciculata 1</i>	14.32	4.98E-35	2.50E-32	2.27
<b>30</b>	<i>Fosl2</i>	<i>Zona Fasciculata 1</i>	14.31	2.11E-34	9.52E-32	2.99
<b>31</b>	<i>mt-Nd5</i>	<i>Zona Fasciculata 1</i>	14.30	3.90E-35	2.10E-32	2.18
<b>32</b>	<i>Acsl4</i>	<i>Zona Fasciculata 1</i>	14.10	7.85E-34	3.33E-31	2.58
<b>33</b>	<i>Mrpl33</i>	<i>Zona Fasciculata 1</i>	14.09	7.18E-34	3.14E-31	1.72
<b>34</b>	<i>Aif1l</i>	<i>Zona Fasciculata 1</i>	13.93	4.86E-29	1.66E-26	5.36
<b>35</b>	<i>Usp50</i>	<i>Zona Fasciculata 1</i>	13.53	2.88E-30	1.06E-27	1.86
<b>36</b>	<i>Polr2l</i>	<i>Zona Fasciculata 1</i>	13.41	1.20E-30	4.56E-28	1.86
<b>37</b>	<i>Fdx1</i>	<i>Zona Fasciculata 1</i>	13.19	2.44E-28	7.59E-26	2.23
<b>38</b>	<i>Cstb</i>	<i>Zona Fasciculata 1</i>	13.09	7.91E-31	3.07E-28	1.92
<b>39</b>	<i>Star</i>	<i>Zona Fasciculata 1</i>	12.94	5.22E-28	1.55E-25	2.21
<b>40</b>	<i>Col6a1</i>	<i>Zona Fasciculata 1</i>	12.61	2.56E-28	7.79E-26	2.89

41	mt-Atp8	Zona Fasciculata 1	12.41	2.40E-28	7.59E-26	2.18
42	Raph1	Zona Fasciculata 1	12.38	1.37E-27	3.99E-25	2.74
43	Uqcrq	Zona Fasciculata 1	12.26	2.60E-27	7.42E-25	1.39
44	Uqcr10	Zona Fasciculata 1	12.11	1.45E-26	3.91E-24	1.40
45	Fads6	Zona Fasciculata 1	12.08	2.06E-26	5.45E-24	2.70
46	Cd59a	Zona Fasciculata 1	12.03	3.95E-27	1.11E-24	1.99
47	Neat1	Zona Fasciculata 1	11.83	8.47E-26	2.16E-23	2.25
48	Tmem205	Zona Fasciculata 1	11.62	2.14E-25	5.16E-23	1.69
49	Uqcr11	Zona Fasciculata 1	11.55	5.25E-24	1.10E-21	1.27
50	Col5a3	Zona Fasciculata 1	11.51	3.42E-22	6.06E-20	6.20
51	Ndrg2	Zona Fasciculata 1	11.39	6.15E-25	1.37E-22	1.91
52	mt-Co1	Zona Fasciculata 1	11.36	8.64E-25	1.89E-22	1.21
53	Parm1	Zona Fasciculata 1	11.12	1.26E-22	2.32E-20	3.25
54	Cyb5r3	Zona Fasciculata 1	11.10	6.21E-24	1.28E-21	1.64
55	Pgrmc1	Zona Fasciculata 1	11.07	9.25E-24	1.88E-21	1.57
56	Hhex	Zona Fasciculata 1	11.02	2.02E-23	4.05E-21	2.42
57	Aldh1l1	Zona Fasciculata 1	10.95	2.82E-22	5.06E-20	2.95
58	Hao2	Zona Fasciculata 1	10.93	2.43E-23	4.78E-21	2.23
59	Snrpg	Zona Fasciculata 1	10.89	3.53E-23	6.86E-21	1.35
60	Dbi	Zona Fasciculata 1	10.89	5.51E-22	9.18E-20	1.31
61	Gm42418	Zona Fasciculata 1	10.86	4.34E-23	8.21E-21	1.81
62	Uchl1	Zona Fasciculata 1	10.81	9.95E-22	1.62E-19	3.23
63	Iscu	Zona Fasciculata 1	10.70	4.00E-22	6.93E-20	1.43
64	Bmp7	Zona Fasciculata 1	10.68	7.26E-21	1.12E-18	3.51
65	Tgfbr3	Zona Fasciculata 1	10.60	4.90E-22	8.32E-20	2.08
66	Hsd3b1	Zona Fasciculata 1	10.56	2.16E-20	3.22E-18	1.99
67	Nudt4	Zona Fasciculata 1	10.52	1.46E-21	2.35E-19	2.19
68	Aebp1	Zona Fasciculata 1	10.46	6.28E-21	9.77E-19	1.61
69	Ak1	Zona Fasciculata 1	10.39	2.61E-20	3.81E-18	3.18
70	BC005537	Zona Fasciculata 1	10.38	1.71E-21	2.72E-19	1.93
71	Slc16a2	Zona Fasciculata 1	10.32	2.87E-20	4.06E-18	2.93
72	Serf2	Zona Fasciculata 1	10.26	1.22E-20	1.85E-18	0.88
73	Serinc5	Zona Fasciculata 1	10.23	3.00E-20	4.20E-18	2.61
74	Sulf2	Zona Fasciculata 1	10.20	5.23E-20	6.97E-18	3.20
75	Smarca1	Zona Fasciculata 1	10.19	4.22E-20	5.74E-18	2.60
76	Cox6c	Zona Fasciculata 1	10.18	2.75E-20	3.97E-18	0.93
77	Scd1	Zona Fasciculata 1	10.16	1.64E-19	2.11E-17	3.30
78	Cyp11a1	Zona Fasciculata 1	10.13	5.76E-19	6.95E-17	1.75
79	C2	Zona Fasciculata 1	10.07	3.36E-20	4.66E-18	2.26
80	Osbp13	Zona Fasciculata 1	10.04	4.49E-20	6.05E-18	2.22
81	Cobll1	Zona Fasciculata 1	9.97	3.94E-20	5.40E-18	1.82
82	Plin5	Zona Fasciculata 1	9.89	2.31E-18	2.59E-16	4.12
83	Akr1cl	Zona Fasciculata 1	9.89	1.49E-19	1.93E-17	1.86

84	Htra3	Zona Fasciculata 1	9.85	3.95E-18	4.29E-16	4.58
85	Anxa2	Zona Fasciculata 1	9.79	1.78E-19	2.25E-17	1.41
86	Tmem159	Zona Fasciculata 1	9.67	2.90E-19	3.63E-17	1.73
87	F2r	Zona Fasciculata 1	9.45	1.83E-18	2.10E-16	2.34
88	Nfx1	Zona Fasciculata 1	9.41	3.62E-18	3.95E-16	2.05
89	Scarb1	Zona Fasciculata 1	9.41	2.03E-18	2.32E-16	1.89
90	Hist1h2bc	Zona Fasciculata 1	9.27	7.37E-18	7.93E-16	1.50
91	Atp5e	Zona Fasciculata 1	9.24	1.70E-17	1.73E-15	0.89
92	Ltbp3	Zona Fasciculata 1	9.23	1.38E-17	1.43E-15	2.04
93	Dhcr7	Zona Fasciculata 1	9.20	1.66E-17	1.70E-15	2.11
94	Ecm1	Zona Fasciculata 1	9.18	1.03E-17	1.09E-15	1.49
95	Rpl35a	Zona Fasciculata 1	9.16	1.38E-17	1.43E-15	0.62
96	Cela1	Zona Fasciculata 1	9.16	2.31E-17	2.31E-15	2.19
97	Fth1	Zona Fasciculata 1	9.07	1.06E-16	1.01E-14	0.90
98	Kif1c	Zona Fasciculata 1	9.01	1.24E-16	1.16E-14	2.65
99	Runx2	Zona Fasciculata 1	9.00	8.38E-16	7.19E-14	5.30
100	Tsc22d1	Zona Fasciculata 1	8.91	1.71E-16	1.57E-14	1.29
1	Akr1cl	Zona Fasciculata 2	19.73	1.97E-64	9.17E-61	1.93
2	Btg2	Zona Fasciculata 2	19.49	5.82E-67	4.07E-63	2.31
3	Gadd45g	Zona Fasciculata 2	19.13	2.96E-67	4.07E-63	2.79
4	Fosb	Zona Fasciculata 2	18.79	3.93E-64	1.38E-60	2.27
5	Cyp11b1	Zona Fasciculata 2	18.50	5.64E-62	1.58E-58	2.38
6	Star	Zona Fasciculata 2	17.54	3.63E-54	5.65E-51	1.73
7	Cyr61	Zona Fasciculata 2	17.46	3.48E-57	8.13E-54	3.19
8	Gstm1	Zona Fasciculata 2	17.31	4.95E-55	8.80E-52	1.54
9	Hspb1	Zona Fasciculata 2	17.13	5.03E-55	8.80E-52	1.66
10	Hsd3b1	Zona Fasciculata 2	16.88	2.75E-50	3.21E-47	1.85
11	Junb	Zona Fasciculata 2	16.67	2.78E-52	3.89E-49	2.23
12	Fos	Zona Fasciculata 2	16.54	2.27E-50	2.89E-47	2.25
13	Mgarp	Zona Fasciculata 2	16.30	3.36E-47	3.14E-44	1.64
14	Cyp11a1	Zona Fasciculata 2	16.08	1.31E-46	1.15E-43	1.65
15	Alas1	Zona Fasciculata 2	15.98	2.99E-49	3.22E-46	1.58
16	Chka	Zona Fasciculata 2	15.59	4.25E-48	4.25E-45	1.86
17	Pcolce	Zona Fasciculata 2	15.55	1.62E-44	1.08E-41	1.46
18	Jun	Zona Fasciculata 2	15.16	1.33E-43	7.75E-41	1.71
19	Scarb1	Zona Fasciculata 2	15.10	8.79E-45	6.84E-42	1.53
20	Akr1b7	Zona Fasciculata 2	15.06	9.87E-45	7.27E-42	1.73
21	Mt1	Zona Fasciculata 2	15.03	3.31E-45	2.73E-42	2.12
22	Hist1h2bc	Zona Fasciculata 2	15.02	1.13E-44	7.91E-42	1.40
23	Tnfrsf12a	Zona Fasciculata 2	14.72	1.24E-43	7.52E-41	1.72
24	Me1	Zona Fasciculata 2	14.58	4.03E-41	2.17E-38	1.39
25	Ier2	Zona Fasciculata 2	14.54	2.87E-42	1.61E-39	2.08

26	Jund	Zona Fasciculata 2	14.43	6.90E-41	3.58E-38	1.15
27	Igfbp7	Zona Fasciculata 2	14.40	4.46E-40	2.23E-37	1.41
28	Cyp21a1	Zona Fasciculata 2	14.23	8.63E-39	4.00E-36	1.57
29	Fdxr	Zona Fasciculata 2	13.91	2.43E-37	9.71E-35	1.32
30	Egr1	Zona Fasciculata 2	13.86	1.02E-38	4.48E-36	1.83
31	Gm1673	Zona Fasciculata 2	13.82	6.84E-39	3.30E-36	1.34
32	Mt2	Zona Fasciculata 2	13.76	8.53E-38	3.62E-35	2.84
33	Acsbg1	Zona Fasciculata 2	13.75	8.85E-39	4.00E-36	2.01
34	Meg3	Zona Fasciculata 2	13.68	1.67E-36	6.51E-34	1.73
35	Prss35	Zona Fasciculata 2	13.49	1.59E-37	6.53E-35	1.61
36	Tmem176a	Zona Fasciculata 2	13.45	3.32E-36	1.26E-33	0.90
37	Iscu	Zona Fasciculata 2	13.23	2.43E-35	8.97E-33	1.01
38	Kcnk3	Zona Fasciculata 2	13.00	2.41E-33	8.23E-31	1.40
39	Tmem205	Zona Fasciculata 2	12.89	5.73E-34	2.06E-31	1.06
40	Prdx2	Zona Fasciculata 2	12.83	2.50E-33	8.34E-31	0.93
41	Zfp36	Zona Fasciculata 2	12.79	6.88E-34	2.41E-31	1.90
42	Clu	Zona Fasciculata 2	12.69	2.21E-32	6.88E-30	1.21
43	Fdx1	Zona Fasciculata 2	12.60	5.13E-32	1.56E-29	1.29
44	Cdkn1c	Zona Fasciculata 2	12.58	2.84E-33	9.23E-31	1.46
45	Filip1	Zona Fasciculata 2	12.40	2.19E-32	6.88E-30	1.59
46	Mgst1	Zona Fasciculata 2	12.38	2.37E-31	6.52E-29	1.10
47	St3gal5	Zona Fasciculata 2	12.33	1.73E-31	4.85E-29	1.07
48	Nr1d1	Zona Fasciculata 2	12.32	1.02E-31	2.97E-29	1.87
49	Dnajb1	Zona Fasciculata 2	12.30	5.55E-32	1.65E-29	1.75
50	Socs3	Zona Fasciculata 2	12.20	1.42E-31	4.07E-29	1.98
51	Ifi27	Zona Fasciculata 2	12.09	5.29E-30	1.40E-27	0.94
52	Tsc22d1	Zona Fasciculata 2	12.03	7.92E-30	2.05E-27	0.99
53	Tmem176b	Zona Fasciculata 2	11.96	1.38E-29	3.45E-27	0.71
54	Cited1	Zona Fasciculata 2	11.88	5.14E-30	1.38E-27	1.89
55	Efhd1	Zona Fasciculata 2	11.88	4.37E-29	1.04E-26	1.10
56	Mrfap1	Zona Fasciculata 2	11.86	2.50E-29	6.14E-27	0.76
57	C4b	Zona Fasciculata 2	11.77	1.19E-29	3.03E-27	1.43
58	BC029722	Zona Fasciculata 2	11.61	7.32E-29	1.71E-26	1.14
59	Gadd45b	Zona Fasciculata 2	11.52	1.44E-28	3.30E-26	1.47
60	Atf3	Zona Fasciculata 2	11.51	1.97E-28	4.46E-26	1.98
61	Sod3	Zona Fasciculata 2	11.51	3.18E-28	6.84E-26	1.08
62	Pde10a	Zona Fasciculata 2	11.49	2.01E-28	4.46E-26	1.40
63	Susd3	Zona Fasciculata 2	11.48	2.28E-28	4.98E-26	1.42
64	Aes	Zona Fasciculata 2	11.48	3.17E-27	6.07E-25	0.87
65	Ubb	Zona Fasciculata 2	11.47	4.43E-28	9.41E-26	0.48
66	Osgin1	Zona Fasciculata 2	11.39	5.83E-28	1.22E-25	1.44
67	Tmem52	Zona Fasciculata 2	11.39	7.84E-28	1.61E-25	1.85
68	Abhd4	Zona Fasciculata 2	11.36	1.09E-27	2.21E-25	1.05

69	Slc25a3	Zona Fasciculata 2	11.35	2.57E-27	5.00E-25	0.82
70	Hao2	Zona Fasciculata 2	11.31	1.24E-27	2.47E-25	1.40
71	Zfp36l1	Zona Fasciculata 2	11.28	1.66E-27	3.28E-25	1.05
72	Dad1	Zona Fasciculata 2	11.18	2.22E-26	4.03E-24	0.81
73	Map1lc3a	Zona Fasciculata 2	11.18	2.49E-26	4.47E-24	0.93
74	Osr2	Zona Fasciculata 2	11.18	8.82E-27	1.67E-24	1.75
75	Tmem35	Zona Fasciculata 2	11.15	1.18E-26	2.17E-24	1.06
76	Sdsl	Zona Fasciculata 2	11.12	9.44E-27	1.76E-24	1.10
77	Sbno2	Zona Fasciculata 2	11.05	9.22E-26	1.57E-23	3.20
78	Gpx4	Zona Fasciculata 2	11.03	7.65E-26	1.32E-23	0.69
79	Neat1	Zona Fasciculata 2	10.95	5.32E-26	9.43E-24	1.37
80	Ifitm2	Zona Fasciculata 2	10.93	3.21E-25	5.23E-23	0.77
81	Nr4a1	Zona Fasciculata 2	10.90	6.94E-26	1.21E-23	1.36
82	Gstt1	Zona Fasciculata 2	10.86	9.66E-26	1.63E-23	1.47
83	Acaa2	Zona Fasciculata 2	10.77	2.83E-25	4.66E-23	0.97
84	Wbp5	Zona Fasciculata 2	10.74	6.74E-25	1.07E-22	0.82
85	Aebp1	Zona Fasciculata 2	10.72	1.07E-24	1.63E-22	1.02
86	Hadh	Zona Fasciculata 2	10.69	8.50E-25	1.32E-22	0.92
87	Uqcr11	Zona Fasciculata 2	10.68	3.22E-24	4.65E-22	0.69
88	Vegfa	Zona Fasciculata 2	10.65	6.92E-25	1.09E-22	1.20
89	Chchd10	Zona Fasciculata 2	10.63	7.62E-24	1.06E-21	1.06
90	Frat2	Zona Fasciculata 2	10.61	5.56E-24	7.86E-22	3.31
91	Selenbp1	Zona Fasciculata 2	10.61	1.09E-24	1.64E-22	1.52
92	Rtn4r1	Zona Fasciculata 2	10.61	9.74E-25	1.50E-22	1.28
93	Mif	Zona Fasciculata 2	10.52	3.75E-24	5.36E-22	0.83
94	Pebp1	Zona Fasciculata 2	10.51	1.94E-23	2.55E-21	0.80
95	Gstm2	Zona Fasciculata 2	10.45	6.77E-24	9.47E-22	1.09
96	Acadm	Zona Fasciculata 2	10.42	8.27E-24	1.11E-21	0.92
97	Akr1b3	Zona Fasciculata 2	10.35	1.95E-23	2.55E-21	0.81
98	Tesc	Zona Fasciculata 2	10.35	6.94E-23	8.75E-21	0.99
99	Gstm7	Zona Fasciculata 2	10.32	1.66E-23	2.21E-21	1.58
100	Cklf	Zona Fasciculata 2	10.25	2.91E-23	3.71E-21	1.22
1	Akr1b7	Zona Fasciculata 3	31.62	7.36E-132	1.03E-127	3.04
2	Cyp11b1	Zona Fasciculata 3	31.46	1.02E-125	7.16E-122	3.43
3	Me1	Zona Fasciculata 3	28.82	3.64E-111	1.27E-107	2.40
4	Acly	Zona Fasciculata 3	27.92	5.26E-118	2.45E-114	2.30
5	Scarb1	Zona Fasciculata 3	26.85	1.77E-110	4.95E-107	2.44
6	Scd2	Zona Fasciculata 3	26.18	1.94E-108	3.87E-105	2.31
7	Prss35	Zona Fasciculata 3	25.96	3.28E-109	7.65E-106	2.62
8	Acsbg1	Zona Fasciculata 3	25.13	4.05E-104	7.09E-101	3.05
9	C4b	Zona Fasciculata 3	24.29	3.95E-99	6.14E-96	2.44
10	Mmd2	Zona Fasciculata 3	23.57	1.36E-90	1.74E-87	3.49



11	Hao2	Zona Fasciculata 3	23.30	4.96E-93	6.95E-90	2.51
12	Col6a1	Zona Fasciculata 3	22.94	6.04E-90	7.05E-87	2.81
13	Prkar2b	Zona Fasciculata 3	22.24	1.94E-86	2.09E-83	2.27
14	Pde10a	Zona Fasciculata 3	21.95	8.18E-85	8.17E-82	2.40
15	Star	Zona Fasciculata 3	21.77	4.76E-74	3.70E-71	2.04
16	Cyp21a1	Zona Fasciculata 3	21.67	1.49E-73	1.10E-70	2.26
17	Mrap	Zona Fasciculata 3	21.16	5.15E-80	4.80E-77	2.30
18	Abhd2	Zona Fasciculata 3	20.80	7.90E-78	6.91E-75	2.46
19	mt-Co1	Zona Fasciculata 3	20.60	1.53E-75	1.26E-72	1.13
20	Tmem205	Zona Fasciculata 3	20.44	5.14E-72	3.60E-69	1.56
21	Slc25a3	Zona Fasciculata 3	19.57	8.90E-67	5.42E-64	1.31
22	H2afj	Zona Fasciculata 3	19.57	1.73E-69	1.15E-66	1.61
23	Usp50	Zona Fasciculata 3	19.40	4.03E-65	2.35E-62	1.54
24	Cyp11a1	Zona Fasciculata 3	19.09	9.47E-61	4.42E-58	1.90
25	Fdxr	Zona Fasciculata 3	18.86	7.39E-60	3.04E-57	1.70
26	Cited1	Zona Fasciculata 3	18.80	7.25E-64	3.90E-61	2.83
27	Iscu	Zona Fasciculata 3	18.61	5.29E-61	2.55E-58	1.32
28	Elovl5	Zona Fasciculata 3	18.59	1.01E-64	5.64E-62	1.73
29	Akr1cl	Zona Fasciculata 3	18.56	1.21E-59	4.59E-57	1.82
30	mt-Co3	Zona Fasciculata 3	18.28	1.13E-62	5.85E-60	0.98
31	Uqcr10	Zona Fasciculata 3	18.22	8.17E-60	3.20E-57	1.16
32	Prdx2	Zona Fasciculata 3	18.20	2.71E-60	1.19E-57	1.30
33	Polr2l	Zona Fasciculata 3	18.03	5.25E-59	1.93E-56	1.44
34	Raph1	Zona Fasciculata 3	18.01	2.80E-61	1.40E-58	2.22
35	Cryba4	Zona Fasciculata 3	17.96	8.24E-60	3.20E-57	2.56
36	BC029722	Zona Fasciculata 3	17.95	1.02E-60	4.60E-58	1.60
37	Hsd3b1	Zona Fasciculata 3	17.76	4.13E-55	1.21E-52	1.92
38	Tmem159	Zona Fasciculata 3	17.72	6.54E-60	2.77E-57	1.74
39	Susd3	Zona Fasciculata 3	17.55	5.51E-59	1.98E-56	1.97
40	Fdx1	Zona Fasciculata 3	17.50	8.96E-55	2.51E-52	1.73
41	Dhcr7	Zona Fasciculata 3	17.40	4.69E-58	1.56E-55	2.00
42	Fads1	Zona Fasciculata 3	17.30	1.98E-57	6.45E-55	2.13
43	Uqcr11	Zona Fasciculata 3	17.20	1.92E-53	4.80E-51	1.07
44	Mgarp	Zona Fasciculata 3	17.16	1.88E-51	4.05E-49	1.69
45	Vegfa	Zona Fasciculata 3	17.08	2.26E-56	7.03E-54	1.74
46	mt-Co2	Zona Fasciculata 3	17.03	9.65E-56	2.88E-53	0.97
47	Tmem35	Zona Fasciculata 3	16.94	1.66E-54	4.54E-52	1.52
48	Uqcc2	Zona Fasciculata 3	16.82	7.17E-53	1.70E-50	1.17
49	Gstm7	Zona Fasciculata 3	16.82	3.18E-54	8.55E-52	2.32
50	Dbi	Zona Fasciculata 3	16.79	9.68E-52	2.22E-49	1.16
51	Pcolce	Zona Fasciculata 3	16.74	3.02E-50	6.26E-48	1.54
52	Acadm	Zona Fasciculata 3	16.70	6.28E-53	1.52E-50	1.33
53	Gm1673	Zona Fasciculata 3	16.69	7.78E-54	2.02E-51	1.57

54	Tmem52	Zona Fasciculata 3	16.68	2.68E-53	6.59E-51	2.44
55	Hhex	Zona Fasciculata 3	16.60	9.35E-54	2.38E-51	2.02
56	Uqcrq	Zona Fasciculata 3	16.58	1.12E-51	2.52E-49	1.04
57	Srd5a2	Zona Fasciculata 3	16.41	1.36E-51	3.02E-49	3.21
58	Gstm1	Zona Fasciculata 3	16.26	3.04E-50	6.26E-48	1.45
59	Chchd2	Zona Fasciculata 3	16.24	2.78E-49	5.47E-47	0.77
60	Dad1	Zona Fasciculata 3	16.24	9.53E-50	1.93E-47	1.15
61	Ndufc1	Zona Fasciculata 3	16.14	2.28E-48	4.37E-46	1.13
62	mt-Cytb	Zona Fasciculata 3	16.04	1.75E-50	3.72E-48	0.99
63	mt-Nd4	Zona Fasciculata 3	15.93	1.83E-49	3.66E-47	1.03
64	Tbc1d9b	Zona Fasciculata 3	15.65	1.21E-48	2.35E-46	1.65
65	Mgst1	Zona Fasciculata 3	15.58	1.94E-46	3.61E-44	1.35
66	Ifi27	Zona Fasciculata 3	15.33	8.75E-45	1.49E-42	1.16
67	Hoxb9	Zona Fasciculata 3	15.32	1.96E-46	3.61E-44	1.40
68	Sec61b	Zona Fasciculata 3	15.30	4.67E-45	8.17E-43	1.00
69	Mast4	Zona Fasciculata 3	15.22	3.24E-46	5.81E-44	1.43
70	Tspo	Zona Fasciculata 3	14.98	2.31E-44	3.90E-42	0.90
71	Cpeb4	Zona Fasciculata 3	14.97	6.28E-45	1.09E-42	1.85
72	Amotl2	Zona Fasciculata 3	14.84	1.10E-43	1.75E-41	2.24
73	mt-Nd1	Zona Fasciculata 3	14.84	5.73E-44	9.32E-42	0.88
74	ldh1	Zona Fasciculata 3	14.78	6.72E-44	1.08E-41	1.44
75	Emp3	Zona Fasciculata 3	14.74	1.06E-41	1.54E-39	1.04
76	Sec61g	Zona Fasciculata 3	14.70	9.79E-43	1.47E-40	0.83
77	Slc41a3	Zona Fasciculata 3	14.64	8.88E-43	1.35E-40	2.33
78	Tgfbr3	Zona Fasciculata 3	14.63	2.52E-43	3.96E-41	1.59
79	1110008P14Rik	Zona Fasciculata 3	14.61	5.39E-43	8.39E-41	1.33
80	Eprs	Zona Fasciculata 3	14.47	1.48E-42	2.20E-40	1.49
81	mt-Atp6	Zona Fasciculata 3	14.41	4.94E-42	7.27E-40	0.75
82	Lsm6	Zona Fasciculata 3	14.36	1.66E-41	2.35E-39	1.16
83	Rabep1	Zona Fasciculata 3	14.34	1.19E-41	1.70E-39	1.27
84	Abhd4	Zona Fasciculata 3	14.31	2.33E-41	3.26E-39	1.27
85	Psemb5	Zona Fasciculata 3	14.29	3.79E-41	5.20E-39	1.05
86	Sparc	Zona Fasciculata 3	14.25	3.38E-39	4.08E-37	1.22
87	Ndufa3	Zona Fasciculata 3	14.18	5.72E-40	7.48E-38	0.84
88	Cox6c	Zona Fasciculata 3	14.18	1.53E-39	1.93E-37	0.73
89	0610011F06Rik	Zona Fasciculata 3	14.16	2.14E-40	2.88E-38	1.20
90	Srcin1	Zona Fasciculata 3	14.10	1.53E-40	2.08E-38	1.71
91	Hist1h2bc	Zona Fasciculata 3	14.09	4.93E-40	6.51E-38	1.29
92	Skp1a	Zona Fasciculata 3	14.08	1.62E-39	2.03E-37	1.03
93	Sod3	Zona Fasciculata 3	14.01	2.69E-39	3.28E-37	1.22
94	Cbx4	Zona Fasciculata 3	14.00	3.93E-40	5.23E-38	1.64
95	Cd59a	Zona Fasciculata 3	13.85	2.70E-39	3.28E-37	1.32
96	Aldh1l1	Zona Fasciculata 3	13.82	6.97E-39	8.34E-37	2.21

97	Romo1	Zona Fasciculata 3	13.79	3.47E-38	3.98E-36	0.96
98	mt-Nd2	Zona Fasciculata 3	13.77	1.01E-37	1.14E-35	1.02
99	Cox4i1	Zona Fasciculata 3	13.73	1.64E-38	1.93E-36	0.57
100	Cmc2	Zona Fasciculata 3	13.72	8.96E-39	1.06E-36	1.36
1	mt-Atp6	Zona Fasciculata 4	13.70	5.07E-17	3.54E-13	2.09
2	mt-Co3	Zona Fasciculata 4	12.85	2.55E-17	3.54E-13	2.16
3	mt-Nd1	Zona Fasciculata 4	12.75	8.53E-17	3.98E-13	2.34
4	mt-Cytb	Zona Fasciculata 4	12.03	5.81E-16	2.03E-12	2.25
5	mt-Nd4	Zona Fasciculata 4	11.68	5.19E-15	9.08E-12	2.34
6	mt-Co2	Zona Fasciculata 4	11.16	4.96E-15	9.08E-12	1.98
7	mt-Co1	Zona Fasciculata 4	10.03	6.04E-14	8.45E-11	1.88
8	mt-Nd2	Zona Fasciculata 4	9.28	9.66E-12	7.96E-09	2.28
9	mt-Nd5	Zona Fasciculata 4	7.87	1.31E-10	6.57E-08	2.09
10	mt-Nd3	Zona Fasciculata 4	7.66	1.98E-10	8.68E-08	2.26
11	Malat1	Zona Fasciculata 4	6.36	2.26E-08	4.82E-06	1.37
12	mt-Nd4l	Zona Fasciculata 4	5.76	2.37E-07	3.61E-05	1.99
13	Scarb1	Zona Fasciculata 4	5.69	3.49E-07	4.89E-05	2.09
14	Cyp11a1	Zona Fasciculata 4	5.49	1.36E-06	1.65E-04	2.08
15	Fdxr	Zona Fasciculata 4	5.47	1.75E-06	2.09E-04	1.81
16	Meg3	Zona Fasciculata 4	5.24	4.20E-06	4.45E-04	2.28
17	Son	Zona Fasciculata 4	4.43	3.65E-05	3.02E-03	0.99
18	Cyp21a1	Zona Fasciculata 4	4.41	5.61E-05	4.36E-03	1.77
19	Rpn1	Zona Fasciculata 4	4.37	4.52E-05	3.60E-03	1.36
20	Cyp11b1	Zona Fasciculata 4	4.29	6.08E-05	4.67E-03	2.14
21	Pcolce	Zona Fasciculata 4	4.20	8.76E-05	6.42E-03	1.59
22	Luc7l2	Zona Fasciculata 4	4.17	9.31E-05	6.75E-03	1.32
23	Abhd2	Zona Fasciculata 4	3.97	1.97E-04	1.24E-02	2.09
24	Akr1b7	Zona Fasciculata 4	3.86	2.69E-04	1.60E-02	1.65
25	Hsd3b1	Zona Fasciculata 4	3.79	4.50E-04	2.40E-02	1.49
26	Ndufs2	Zona Fasciculata 4	3.67	4.84E-04	2.54E-02	1.10
27	Aebp1	Zona Fasciculata 4	3.67	5.14E-04	2.66E-02	1.27
28	Scd2	Zona Fasciculata 4	3.45	9.74E-04	4.43E-02	1.44
29	Star	Zona Fasciculata 4	3.31	1.66E-03	6.34E-02	1.26
30	Acly	Zona Fasciculata 4	3.30	1.56E-03	6.06E-02	1.27
31	Ogt	Zona Fasciculata 4	3.29	1.64E-03	6.29E-02	1.15
32	Raph1	Zona Fasciculata 4	3.18	2.52E-03	8.54E-02	1.89
33	Tle2	Zona Fasciculata 4	3.17	2.54E-03	8.56E-02	1.66
34	Me1	Zona Fasciculata 4	3.15	2.46E-03	8.41E-02	1.32
35	Clu	Zona Fasciculata 4	3.02	3.66E-03	1.11E-01	1.18
36	Pde10a	Zona Fasciculata 4	3.02	3.67E-03	1.11E-01	1.43
37	Acsbg1	Zona Fasciculata 4	2.96	4.51E-03	1.27E-01	1.91
38	Lonp1	Zona Fasciculata 4	2.93	4.65E-03	1.29E-01	1.12

39	Slc25a3	Zona Fasciculata 4	2.88	5.36E-03	1.42E-01	0.81
40	4930426D05Rik	Zona Fasciculata 4	2.85	6.06E-03	1.55E-01	1.40
41	Dhcr7	Zona Fasciculata 4	2.82	6.77E-03	1.67E-01	1.59
42	C4b	Zona Fasciculata 4	2.82	6.68E-03	1.66E-01	1.52
43	Vegfa	Zona Fasciculata 4	2.81	6.80E-03	1.68E-01	1.42
44	Akr1cl	Zona Fasciculata 4	2.76	7.49E-03	1.80E-01	1.16
45	Cstf3	Zona Fasciculata 4	2.76	8.04E-03	1.87E-01	1.64
46	Cox6a1	Zona Fasciculata 4	2.74	7.87E-03	1.85E-01	0.64
47	Ecm1	Zona Fasciculata 4	2.68	9.40E-03	2.08E-01	1.09
48	Etnk2	Zona Fasciculata 4	2.66	1.07E-02	2.22E-01	1.93
49	Snhg20	Zona Fasciculata 4	2.65	1.07E-02	2.22E-01	1.63
50	Kcnk3	Zona Fasciculata 4	2.60	1.25E-02	2.42E-01	1.01
51	Slc38a10	Zona Fasciculata 4	2.56	1.33E-02	2.49E-01	1.44
52	Fads2	Zona Fasciculata 4	2.56	1.37E-02	2.51E-01	1.77
53	Fasn	Zona Fasciculata 4	2.54	1.43E-02	2.57E-01	1.89
54	Slc41a3	Zona Fasciculata 4	2.52	1.51E-02	2.65E-01	1.78
55	Mast4	Zona Fasciculata 4	2.51	1.49E-02	2.63E-01	1.15
56	Cpeb4	Zona Fasciculata 4	2.50	1.54E-02	2.66E-01	1.42
57	Krit1	Zona Fasciculata 4	2.47	1.62E-02	2.75E-01	1.06
58	Soat1	Zona Fasciculata 4	2.46	1.68E-02	2.81E-01	0.98
59	Sec62	Zona Fasciculata 4	2.44	1.74E-02	2.87E-01	0.79
60	Anxa2	Zona Fasciculata 4	2.39	1.99E-02	3.07E-01	0.79
61	Alas1	Zona Fasciculata 4	2.37	2.06E-02	3.11E-01	0.99
62	Por	Zona Fasciculata 4	2.37	2.12E-02	3.16E-01	1.06
63	Ctsf	Zona Fasciculata 4	2.36	2.12E-02	3.16E-01	0.94
64	Trank1	Zona Fasciculata 4	2.35	2.26E-02	3.26E-01	1.20
65	Bmpr2	Zona Fasciculata 4	2.33	2.37E-02	3.32E-01	1.48
66	Idh2	Zona Fasciculata 4	2.31	2.40E-02	3.34E-01	0.90
67	Gria3	Zona Fasciculata 4	2.29	2.69E-02	3.59E-01	1.93
68	Atp9b	Zona Fasciculata 4	2.26	2.86E-02	3.69E-01	2.12
69	Spred1	Zona Fasciculata 4	2.26	2.75E-02	3.61E-01	1.08
70	Mgst1	Zona Fasciculata 4	2.26	2.72E-02	3.61E-01	0.83
71	Hhex	Zona Fasciculata 4	2.26	2.76E-02	3.63E-01	1.29
72	Ccdc141	Zona Fasciculata 4	2.24	3.05E-02	3.80E-01	2.27
73	Rsrp1	Zona Fasciculata 4	2.22	2.98E-02	3.75E-01	0.76
74	Rbl2	Zona Fasciculata 4	2.22	3.18E-02	3.88E-01	1.99
75	Nckap1	Zona Fasciculata 4	2.20	3.17E-02	3.88E-01	1.18
76	Usp19	Zona Fasciculata 4	2.20	3.25E-02	3.91E-01	1.20
77	Pnlsr	Zona Fasciculata 4	2.19	3.21E-02	3.89E-01	0.88
78	Cacna2d1	Zona Fasciculata 4	2.19	3.19E-02	3.89E-01	0.94
79	Mgarp	Zona Fasciculata 4	2.18	3.50E-02	4.08E-01	0.78
80	Ccnl2	Zona Fasciculata 4	2.17	3.43E-02	4.05E-01	0.97
81	Ttc14	Zona Fasciculata 4	2.16	3.49E-02	4.08E-01	0.96

82	Peg10	Zona Fasciculata 4	2.14	3.69E-02	4.21E-01	1.13
83	Rbm4b	Zona Fasciculata 4	2.13	3.76E-02	4.26E-01	1.22
84	Gsg1l	Zona Fasciculata 4	2.11	3.96E-02	4.38E-01	1.76
85	Aplp2	Zona Fasciculata 4	2.10	3.99E-02	4.40E-01	0.73
86	Col6a1	Zona Fasciculata 4	2.09	4.11E-02	4.49E-01	1.35
87	Nfx1	Zona Fasciculata 4	2.09	4.17E-02	4.51E-01	1.20
88	Nudt13	Zona Fasciculata 4	2.08	4.31E-02	4.56E-01	1.81
89	Igfbp7	Zona Fasciculata 4	2.08	4.20E-02	4.51E-01	0.81
90	Kcnq1ot1	Zona Fasciculata 4	2.07	4.25E-02	4.53E-01	0.93
91	Pde8b	Zona Fasciculata 4	2.07	4.42E-02	4.61E-01	1.98
92	Smo	Zona Fasciculata 4	2.05	4.52E-02	4.67E-01	1.48
93	Senp7	Zona Fasciculata 4	2.03	4.82E-02	4.77E-01	1.80
94	Mgea5	Zona Fasciculata 4	2.03	4.77E-02	4.76E-01	1.24
95	Gm26699	Zona Fasciculata 4	2.02	4.85E-02	4.78E-01	1.42
96	Dync1h1	Zona Fasciculata 4	2.02	4.86E-02	4.78E-01	1.05
97	BC005561	Zona Fasciculata 4	2.01	4.97E-02	4.83E-01	1.09
98	Itgav	Zona Fasciculata 4	1.99	5.15E-02	4.88E-01	1.32
99	Clcn7	Zona Fasciculata 4	1.99	5.28E-02	4.93E-01	1.95
100	Ganab	Zona Fasciculata 4	1.98	5.24E-02	4.93E-01	1.16
1	Igfbp7	Zona Fasciculata 5	21.58	1.67E-78	2.34E-74	1.77
2	Akr1cl	Zona Fasciculata 5	20.37	1.31E-71	6.12E-68	1.76
3	Adh1	Zona Fasciculata 5	19.36	9.08E-72	6.12E-68	2.16
4	Pcolce	Zona Fasciculata 5	19.35	3.96E-66	1.39E-62	1.59
5	Tmem176a	Zona Fasciculata 5	18.12	4.40E-62	1.03E-58	1.07
6	Clu	Zona Fasciculata 5	18.04	7.20E-60	1.44E-56	1.48
7	Gstm1	Zona Fasciculata 5	17.66	2.62E-59	4.58E-56	1.40
8	Aebp1	Zona Fasciculata 5	17.64	8.28E-59	1.29E-55	1.41
9	Tmem176b	Zona Fasciculata 5	17.55	9.61E-58	1.35E-54	0.90
10	Meg3	Zona Fasciculata 5	17.30	4.34E-56	5.52E-53	1.93
11	Mgarp	Zona Fasciculata 5	17.30	1.62E-54	1.90E-51	1.53
12	Tbx3os1	Zona Fasciculata 5	16.32	6.16E-53	6.63E-50	1.40
13	Cyp21a1	Zona Fasciculata 5	16.27	7.19E-50	7.19E-47	1.56
14	Hsd3b1	Zona Fasciculata 5	16.09	3.62E-49	3.38E-46	1.58
15	Cyp11a1	Zona Fasciculata 5	15.91	8.13E-48	6.70E-45	1.44
16	Cdkn1c	Zona Fasciculata 5	15.47	8.42E-49	7.37E-46	1.52
17	Kcnk3	Zona Fasciculata 5	15.35	3.72E-45	2.89E-42	1.44
18	Gm1673	Zona Fasciculata 5	14.77	8.47E-45	6.24E-42	1.28
19	Gstm2	Zona Fasciculata 5	14.55	2.83E-43	1.80E-40	1.28
20	Alas1	Zona Fasciculata 5	14.55	2.38E-43	1.58E-40	1.29
21	Fxyd6	Zona Fasciculata 5	14.19	5.32E-41	3.10E-38	1.17
22	Cyp11b1	Zona Fasciculata 5	14.17	1.46E-41	8.87E-39	1.73
23	Ifitm2	Zona Fasciculata 5	13.95	6.10E-39	3.16E-36	0.84

24	St3gal5	Zona Fasciculata 5	13.70	5.92E-39	3.16E-36	1.07
25	Mgst1	Zona Fasciculata 5	13.68	1.13E-38	5.66E-36	1.11
26	Tsc22d1	Zona Fasciculata 5	13.62	7.69E-38	3.47E-35	0.99
27	Pebp1	Zona Fasciculata 5	13.35	4.45E-36	1.83E-33	0.89
28	Aes	Zona Fasciculata 5	13.33	3.57E-36	1.51E-33	0.90
29	Lgals1	Zona Fasciculata 5	13.29	8.80E-36	3.52E-33	1.04
30	Fdxr	Zona Fasciculata 5	13.28	1.04E-35	4.05E-33	1.12
31	Tesc	Zona Fasciculata 5	13.25	1.23E-35	4.67E-33	1.11
32	Rtn4r1	Zona Fasciculata 5	13.08	2.36E-36	1.03E-33	1.42
33	Efhd1	Zona Fasciculata 5	13.07	4.83E-35	1.73E-32	1.06
34	Cpe	Zona Fasciculata 5	13.05	1.81E-34	6.05E-32	1.25
35	Pbx3	Zona Fasciculata 5	12.88	3.87E-35	1.43E-32	1.06
36	Chchd10	Zona Fasciculata 5	12.63	1.06E-32	3.09E-30	1.10
37	Iscu	Zona Fasciculata 5	12.48	5.82E-33	1.81E-30	0.86
38	E330017L17Rik	Zona Fasciculata 5	12.39	4.89E-33	1.56E-30	1.15
39	Gpha2	Zona Fasciculata 5	12.37	8.58E-33	2.55E-30	1.64
40	Tmem205	Zona Fasciculata 5	12.33	3.26E-32	9.30E-30	0.90
41	Aldh2	Zona Fasciculata 5	12.29	9.16E-32	2.42E-29	0.86
42	Tfdp2	Zona Fasciculata 5	12.21	3.95E-32	1.11E-29	1.09
43	Sod3	Zona Fasciculata 5	12.16	1.12E-31	2.86E-29	1.01
44	Prdx2	Zona Fasciculata 5	12.12	4.50E-31	1.07E-28	0.78
45	Plcb1	Zona Fasciculata 5	12.04	2.51E-31	6.17E-29	1.02
46	Mc2r	Zona Fasciculata 5	12.00	4.61E-31	1.08E-28	1.03
47	Pla2g5	Zona Fasciculata 5	12.00	3.93E-31	9.47E-29	1.51
48	Slc27a3	Zona Fasciculata 5	11.80	3.33E-30	7.41E-28	1.01
49	Rerg	Zona Fasciculata 5	11.67	1.12E-29	2.41E-27	1.05
50	Me1	Zona Fasciculata 5	11.60	7.80E-29	1.61E-26	1.02
51	Ptgis	Zona Fasciculata 5	11.56	3.22E-29	6.84E-27	1.26
52	Map1lc3a	Zona Fasciculata 5	11.55	1.69E-28	3.34E-26	0.86
53	Abhd3	Zona Fasciculata 5	11.47	8.66E-29	1.76E-26	1.21
54	Star	Zona Fasciculata 5	11.31	2.47E-27	4.61E-25	1.03
55	Sdsl	Zona Fasciculata 5	11.27	6.54E-28	1.27E-25	1.03
56	Ndufa11	Zona Fasciculata 5	11.16	6.93E-27	1.17E-24	0.72
57	Cyb5b	Zona Fasciculata 5	11.15	3.41E-27	6.04E-25	0.92
58	Dad1	Zona Fasciculata 5	11.15	1.13E-26	1.82E-24	0.70
59	Sbson	Zona Fasciculata 5	11.11	3.40E-27	6.04E-25	1.30
60	Bsg	Zona Fasciculata 5	10.89	7.50E-26	1.08E-23	0.58
61	Susd3	Zona Fasciculata 5	10.88	3.22E-26	4.90E-24	1.25
62	Serpinb6b	Zona Fasciculata 5	10.78	9.48E-26	1.34E-23	1.53
63	Klhdc8a	Zona Fasciculata 5	10.76	1.96E-25	2.61E-23	0.89
64	Acadm	Zona Fasciculata 5	10.72	2.02E-25	2.64E-23	0.84
65	Shh	Zona Fasciculata 5	10.67	2.49E-25	3.22E-23	1.20
66	Kcnn2	Zona Fasciculata 5	10.66	2.90E-25	3.69E-23	1.04

67	Tst	Zona Fasciculata 5	10.60	7.20E-25	8.61E-23	0.90
68	Gstt1	Zona Fasciculata 5	10.43	2.54E-24	2.90E-22	1.30
69	Emp3	Zona Fasciculata 5	10.37	1.57E-23	1.68E-21	0.67
70	Iqgap2	Zona Fasciculata 5	10.29	1.07E-23	1.17E-21	0.90
71	Eif4a2	Zona Fasciculata 5	10.27	2.32E-23	2.44E-21	0.59
72	Skp1a	Zona Fasciculata 5	10.27	1.99E-23	2.11E-21	0.70
73	Ifi27	Zona Fasciculata 5	10.25	3.91E-23	3.91E-21	0.71
74	Itm2c	Zona Fasciculata 5	10.10	2.09E-22	1.89E-20	0.72
75	Tspan4	Zona Fasciculata 5	10.09	6.16E-23	6.03E-21	1.04
76	Hadh	Zona Fasciculata 5	10.06	1.02E-22	9.69E-21	0.79
77	Usp50	Zona Fasciculata 5	9.97	3.90E-22	3.47E-20	0.78
78	Ndn	Zona Fasciculata 5	9.95	4.99E-22	4.37E-20	0.92
79	Pgam1	Zona Fasciculata 5	9.94	6.60E-22	5.62E-20	0.71
80	Polr2l	Zona Fasciculata 5	9.89	7.54E-22	6.24E-20	0.76
81	Fkbp3	Zona Fasciculata 5	9.87	6.42E-22	5.51E-20	0.71
82	Pgrmc1	Zona Fasciculata 5	9.87	6.93E-22	5.85E-20	0.72
83	Auts2	Zona Fasciculata 5	9.86	7.50E-22	6.24E-20	0.91
84	Ccdc107	Zona Fasciculata 5	9.86	6.32E-22	5.46E-20	0.78
85	Wnt4	Zona Fasciculata 5	9.85	1.23E-21	9.82E-20	1.01
86	Ndufa7	Zona Fasciculata 5	9.75	3.42E-21	2.60E-19	0.57
87	Gpx4	Zona Fasciculata 5	9.74	3.02E-21	2.31E-19	0.54
88	Dbp	Zona Fasciculata 5	9.73	1.77E-21	1.37E-19	1.34
89	Tpi1	Zona Fasciculata 5	9.65	5.83E-21	4.20E-19	0.68
90	Alad	Zona Fasciculata 5	9.63	4.53E-21	3.39E-19	0.83
91	Mgst3	Zona Fasciculata 5	9.62	5.21E-21	3.78E-19	0.78
92	Cmb1	Zona Fasciculata 5	9.61	5.03E-21	3.69E-19	0.95
93	Serpinb9	Zona Fasciculata 5	9.52	1.20E-20	8.22E-19	1.31
94	Tecr	Zona Fasciculata 5	9.49	2.23E-20	1.47E-18	0.63
95	Prdx3	Zona Fasciculata 5	9.49	3.29E-20	2.13E-18	0.73
96	Bphl	Zona Fasciculata 5	9.48	1.57E-20	1.05E-18	0.85
97	Aldoa	Zona Fasciculata 5	9.35	9.46E-20	5.91E-18	0.53
98	Ndufs3	Zona Fasciculata 5	9.34	7.04E-20	4.48E-18	0.65
99	Bcan	Zona Fasciculata 5	9.32	6.17E-20	3.94E-18	0.98
100	Hspe1	Zona Fasciculata 5	9.32	1.68E-19	1.01E-17	0.64
1	1500015O10Rik	Zona Glomerulosa 1	30.80	1.69E-142	2.37E-138	3.25
2	Vsnl1	Zona Glomerulosa 1	27.02	7.55E-127	5.29E-123	2.40
3	Wnt4	Zona Glomerulosa 1	26.90	1.34E-115	3.76E-112	2.22
4	Rgs4	Zona Glomerulosa 1	26.65	2.49E-125	1.16E-121	2.54
5	Ndn	Zona Glomerulosa 1	26.39	1.38E-111	3.21E-108	1.94
6	Ptn	Zona Glomerulosa 1	26.20	7.22E-116	2.53E-112	2.20
7	Hmgb3	Zona Glomerulosa 1	24.68	3.51E-102	7.01E-99	1.94
8	Dab2	Zona Glomerulosa 1	24.11	9.31E-99	1.63E-95	1.71

9	Cpe	Zona Glomerulosa 1	23.43	2.24E-90	2.24E-87	1.95
10	Pde2a	Zona Glomerulosa 1	23.36	7.37E-97	1.03E-93	1.69
11	Caln1	Zona Glomerulosa 1	23.35	6.45E-97	1.00E-93	1.80
12	Auts2	Zona Glomerulosa 1	23.19	6.71E-96	8.53E-93	1.72
13	Agtr1a	Zona Glomerulosa 1	22.91	7.87E-96	9.18E-93	1.73
14	Smpx	Zona Glomerulosa 1	22.35	6.61E-94	7.12E-91	1.94
15	Nkd1	Zona Glomerulosa 1	21.78	4.67E-90	4.36E-87	1.89
16	Itm2c	Zona Glomerulosa 1	21.64	1.30E-81	1.01E-78	1.33
17	Ldhb	Zona Glomerulosa 1	21.63	1.24E-86	1.09E-83	1.60
18	Zfyve21	Zona Glomerulosa 1	21.41	3.44E-85	2.83E-82	1.52
19	Steap1	Zona Glomerulosa 1	20.35	5.38E-80	3.96E-77	1.78
20	Sorbs2	Zona Glomerulosa 1	20.30	1.93E-77	1.29E-74	1.46
21	Mest	Zona Glomerulosa 1	19.94	1.50E-77	1.05E-74	1.96
22	Grhpr	Zona Glomerulosa 1	19.68	2.32E-73	1.48E-70	1.40
23	Tpd5211	Zona Glomerulosa 1	19.25	5.82E-73	3.54E-70	1.66
24	Pam	Zona Glomerulosa 1	18.86	2.00E-69	1.08E-66	1.46
25	B4galt5	Zona Glomerulosa 1	18.86	2.03E-70	1.18E-67	1.72
26	Comt	Zona Glomerulosa 1	18.67	1.69E-67	8.75E-65	1.18
27	Ly6d	Zona Glomerulosa 1	18.15	3.68E-65	1.84E-62	2.29
28	Efhd1	Zona Glomerulosa 1	17.87	1.21E-60	5.12E-58	1.29
29	Tspan12	Zona Glomerulosa 1	17.83	6.55E-63	3.05E-60	1.29
30	Gem	Zona Glomerulosa 1	17.75	8.33E-63	3.76E-60	2.26
31	Txn2	Zona Glomerulosa 1	17.74	2.02E-61	8.83E-59	1.18
32	Tspan6	Zona Glomerulosa 1	17.70	6.01E-63	2.90E-60	1.77
33	Kcnk3	Zona Glomerulosa 1	17.32	9.87E-57	3.45E-54	1.47
34	Ccnd2	Zona Glomerulosa 1	17.28	5.21E-58	2.02E-55	1.10
35	Btg2	Zona Glomerulosa 1	17.28	1.16E-58	4.64E-56	1.65
36	Oxr1	Zona Glomerulosa 1	17.25	8.38E-60	3.45E-57	1.33
37	Gamt	Zona Glomerulosa 1	16.90	5.01E-57	1.80E-54	1.19
38	Pla2g2f	Zona Glomerulosa 1	16.86	7.54E-58	2.85E-55	1.68
39	Pgam1	Zona Glomerulosa 1	16.72	1.65E-54	5.23E-52	1.05
40	Peg10	Zona Glomerulosa 1	16.56	9.68E-56	3.30E-53	1.43
41	Chchd10	Zona Glomerulosa 1	16.56	8.73E-53	2.49E-50	1.30
42	Clu	Zona Glomerulosa 1	16.54	2.33E-53	6.93E-51	1.25
43	Mpped2	Zona Glomerulosa 1	16.37	5.32E-55	1.77E-52	1.54
44	Car2	Zona Glomerulosa 1	16.31	1.27E-54	4.13E-52	1.57
45	Hspb6	Zona Glomerulosa 1	16.28	1.80E-54	5.61E-52	1.48
46	Gadd45g	Zona Glomerulosa 1	16.18	7.36E-54	2.24E-51	1.89
47	Tesc	Zona Glomerulosa 1	16.17	3.29E-51	8.85E-49	1.23
48	Cttnbp2	Zona Glomerulosa 1	16.11	3.66E-53	1.07E-50	1.28
49	Timp3	Zona Glomerulosa 1	16.06	2.26E-51	6.31E-49	1.29
50	Fbln1	Zona Glomerulosa 1	15.63	4.89E-50	1.27E-47	2.24
51	Sept4	Zona Glomerulosa 1	15.63	2.19E-50	5.79E-48	1.80



52	Cyb5b	Zona Glomerulosa 1	15.57	2.55E-49	6.50E-47	1.11
53	Fxyd6	Zona Glomerulosa 1	15.57	5.69E-49	1.42E-46	1.16
54	Tst	Zona Glomerulosa 1	15.47	9.44E-49	2.28E-46	1.13
55	Kcnn2	Zona Glomerulosa 1	15.29	1.68E-48	3.99E-46	1.26
56	Aldh2	Zona Glomerulosa 1	15.28	3.55E-47	7.88E-45	0.97
57	Prdx3	Zona Glomerulosa 1	15.18	3.73E-46	7.45E-44	1.03
58	Ptprd	Zona Glomerulosa 1	15.12	9.92E-48	2.28E-45	1.32
59	Itga6	Zona Glomerulosa 1	15.12	1.25E-47	2.82E-45	1.22
60	Pebp1	Zona Glomerulosa 1	15.02	4.92E-45	9.42E-43	0.91
61	1110004F10Rik	Zona Glomerulosa 1	15.01	7.83E-47	1.66E-44	1.00
62	Gsta4	Zona Glomerulosa 1	15.00	4.91E-47	1.07E-44	1.28
63	Stk39	Zona Glomerulosa 1	14.98	6.56E-47	1.41E-44	1.24
64	Gm11744	Zona Glomerulosa 1	14.95	8.89E-47	1.86E-44	1.28
65	Tmem200a	Zona Glomerulosa 1	14.88	2.09E-46	4.31E-44	1.38
66	Meg3	Zona Glomerulosa 1	14.88	1.90E-44	3.50E-42	1.51
67	Pdgfa	Zona Glomerulosa 1	14.86	3.25E-46	6.58E-44	1.23
68	Il6st	Zona Glomerulosa 1	14.65	4.76E-45	9.26E-43	1.18
69	Agtr1b	Zona Glomerulosa 1	14.63	1.37E-44	2.56E-42	2.12
70	Cd164	Zona Glomerulosa 1	14.58	1.31E-44	2.47E-42	1.08
71	Fosb	Zona Glomerulosa 1	14.55	4.77E-44	8.45E-42	1.50
72	Rnaset2a	Zona Glomerulosa 1	14.50	4.35E-44	7.80E-42	1.02
73	Filip1	Zona Glomerulosa 1	14.34	1.95E-43	3.42E-41	1.44
74	Pcp4l1	Zona Glomerulosa 1	14.23	7.85E-43	1.36E-40	1.36
75	Aes	Zona Glomerulosa 1	14.21	4.00E-41	6.67E-39	0.87
76	Lgals1	Zona Glomerulosa 1	13.97	6.47E-40	1.03E-37	1.00
77	Ccnd1	Zona Glomerulosa 1	13.92	4.69E-41	7.73E-39	1.10
78	Steap2	Zona Glomerulosa 1	13.90	5.09E-41	8.28E-39	1.18
79	Fos	Zona Glomerulosa 1	13.88	8.86E-40	1.39E-37	1.55
80	Gstm2	Zona Glomerulosa 1	13.82	3.22E-40	5.18E-38	1.12
81	Rbpms2	Zona Glomerulosa 1	13.48	7.04E-39	1.05E-36	1.21
82	Aldh1a2	Zona Glomerulosa 1	13.36	3.58E-38	5.27E-36	1.54
83	Reep5	Zona Glomerulosa 1	13.29	5.31E-37	7.44E-35	0.72
84	Metrn	Zona Glomerulosa 1	13.18	2.39E-37	3.44E-35	1.31
85	Mc2r	Zona Glomerulosa 1	13.18	5.19E-37	7.34E-35	1.00
86	Cpb1	Zona Glomerulosa 1	13.04	1.23E-36	1.71E-34	1.54
87	Prlr	Zona Glomerulosa 1	13.02	1.56E-36	2.14E-34	1.15
88	Tpi1	Zona Glomerulosa 1	13.02	6.67E-36	8.57E-34	0.82
89	Lrrc55	Zona Glomerulosa 1	13.02	2.97E-36	4.04E-34	1.93
90	Tfdp2	Zona Glomerulosa 1	12.99	3.36E-36	4.48E-34	1.02
91	Cspg5	Zona Glomerulosa 1	12.99	3.10E-36	4.17E-34	1.67
92	Snhg18	Zona Glomerulosa 1	12.96	3.46E-36	4.57E-34	1.08
93	Hacd3	Zona Glomerulosa 1	12.94	4.94E-36	6.47E-34	1.02
94	Smyd2	Zona Glomerulosa 1	12.91	5.71E-36	7.40E-34	1.14

95	Lynx1	Zona Glomerulosa 1	12.89	9.35E-36	1.18E-33	1.10
96	Slc27a3	Zona Glomerulosa 1	12.86	1.38E-35	1.73E-33	0.99
97	Ptov1	Zona Glomerulosa 1	12.86	2.30E-35	2.82E-33	0.83
98	Sphkap	Zona Glomerulosa 1	12.83	1.47E-35	1.82E-33	1.47
99	Eef1g	Zona Glomerulosa 1	12.79	6.73E-35	7.99E-33	0.62
100	Myo1b	Zona Glomerulosa 1	12.78	2.41E-35	2.93E-33	1.10
1	1500015O10Rik	Zona Glomerulosa 2	30.06	1.03E-145	7.23E-142	3.04
2	Ly6d	Zona Glomerulosa 2	27.27	3.83E-123	1.34E-119	2.82
3	Hmgb3	Zona Glomerulosa 2	26.14	4.22E-118	1.18E-114	1.97
4	Ndn	Zona Glomerulosa 2	25.93	1.26E-114	2.52E-111	1.84
5	Ptn	Zona Glomerulosa 2	25.81	1.70E-117	3.97E-114	2.08
6	Cpe	Zona Glomerulosa 2	25.08	1.05E-103	1.13E-100	1.95
7	Wnt4	Zona Glomerulosa 2	24.67	2.51E-106	3.20E-103	1.98
8	Vsnl1	Zona Glomerulosa 2	24.16	2.96E-109	4.15E-106	2.15
9	Itm2c	Zona Glomerulosa 2	23.68	2.84E-97	2.09E-94	1.36
10	Caln1	Zona Glomerulosa 2	23.53	1.64E-101	1.43E-98	1.73
11	Zfyve21	Zona Glomerulosa 2	22.68	4.01E-96	2.81E-93	1.51
12	Steap1	Zona Glomerulosa 2	22.05	7.54E-94	4.80E-91	1.86
13	Dab2	Zona Glomerulosa 2	21.67	6.03E-87	3.25E-84	1.50
14	Ldhb	Zona Glomerulosa 2	21.64	3.23E-89	1.88E-86	1.54
15	Auts2	Zona Glomerulosa 2	21.22	8.56E-86	4.28E-83	1.54
16	Tesc	Zona Glomerulosa 2	20.06	9.61E-75	3.74E-72	1.40
17	Grhpr	Zona Glomerulosa 2	19.99	2.86E-77	1.25E-74	1.36
18	Agtr1a	Zona Glomerulosa 2	19.75	6.01E-77	2.55E-74	1.49
19	Ccnd2	Zona Glomerulosa 2	19.66	3.32E-73	1.22E-70	1.15
20	Pde2a	Zona Glomerulosa 2	19.37	1.66E-73	6.29E-71	1.40
21	Fxyd6	Zona Glomerulosa 2	19.34	9.47E-73	3.40E-70	1.35
22	Aldh2	Zona Glomerulosa 2	19.30	2.29E-71	8.02E-69	1.12
23	Tspan12	Zona Glomerulosa 2	18.53	1.44E-68	4.93E-66	1.28
24	Oxr1	Zona Glomerulosa 2	18.32	1.43E-67	4.78E-65	1.34
25	Chchd10	Zona Glomerulosa 2	18.11	1.14E-62	3.32E-60	1.33
26	Comt	Zona Glomerulosa 2	18.06	4.08E-65	1.27E-62	1.09
27	Efhd1	Zona Glomerulosa 2	17.83	3.89E-62	1.11E-59	1.23
28	Clu	Zona Glomerulosa 2	17.81	5.27E-62	1.48E-59	1.28
29	Smpx	Zona Glomerulosa 2	17.78	2.00E-64	6.08E-62	1.56
30	Sorbs2	Zona Glomerulosa 2	17.69	7.64E-63	2.28E-60	1.25
31	Prdx3	Zona Glomerulosa 2	17.66	2.91E-61	7.85E-59	1.13
32	Txn2	Zona Glomerulosa 2	17.21	1.25E-59	3.19E-57	1.09
33	Pam	Zona Glomerulosa 2	17.11	5.98E-60	1.55E-57	1.31
34	Lgals1	Zona Glomerulosa 2	16.85	3.48E-56	7.73E-54	1.13
35	Pebp1	Zona Glomerulosa 2	16.71	7.09E-55	1.46E-52	0.94
36	Meg3	Zona Glomerulosa 2	16.67	1.71E-55	3.69E-53	1.61

37	Mpped2	Zona Glomerulosa 2	16.67	1.85E-57	4.31E-55	1.51
38	Ctsf	Zona Glomerulosa 2	16.67	6.24E-57	1.43E-54	1.13
39	Mest	Zona Glomerulosa 2	16.48	2.66E-56	6.02E-54	1.64
40	Pgam1	Zona Glomerulosa 2	16.48	3.90E-54	7.79E-52	0.97
41	Klhdc8a	Zona Glomerulosa 2	16.46	2.69E-55	5.71E-53	1.14
42	Hspd1	Zona Glomerulosa 2	16.45	3.02E-55	6.31E-53	1.07
43	Nkd1	Zona Glomerulosa 2	16.44	4.59E-56	1.00E-53	1.45
44	Car2	Zona Glomerulosa 2	16.09	6.59E-54	1.30E-51	1.49
45	Steap2	Zona Glomerulosa 2	15.98	2.84E-53	5.53E-51	1.29
46	Mgarp	Zona Glomerulosa 2	15.86	8.48E-50	1.45E-47	1.22
47	Gamt	Zona Glomerulosa 2	15.78	1.11E-51	2.11E-49	1.09
48	Kcnn2	Zona Glomerulosa 2	15.66	2.36E-51	4.41E-49	1.26
49	Kcnk3	Zona Glomerulosa 2	15.59	1.58E-48	2.55E-46	1.26
50	Gstm2	Zona Glomerulosa 2	15.56	2.24E-50	4.07E-48	1.19
51	Mc2r	Zona Glomerulosa 2	15.51	4.25E-50	7.34E-48	1.10
52	Hspe1	Zona Glomerulosa 2	15.51	2.61E-49	4.29E-47	0.93
53	Tfdp2	Zona Glomerulosa 2	15.49	2.80E-50	5.02E-48	1.17
54	Fdxr	Zona Glomerulosa 2	15.43	3.89E-48	5.99E-46	1.12
55	Cpb1	Zona Glomerulosa 2	15.39	1.76E-49	2.97E-47	1.78
56	Reep5	Zona Glomerulosa 2	15.31	3.18E-48	4.95E-46	0.78
57	Tecr	Zona Glomerulosa 2	15.11	3.58E-47	5.27E-45	0.83
58	Peg10	Zona Glomerulosa 2	15.06	8.01E-48	1.22E-45	1.27
59	Tspan6	Zona Glomerulosa 2	15.04	9.41E-48	1.42E-45	1.49
60	Apoc4	Zona Glomerulosa 2	15.01	1.47E-47	2.19E-45	1.21
61	Aldoa	Zona Glomerulosa 2	15.01	4.20E-46	5.94E-44	0.70
62	Pcolce	Zona Glomerulosa 2	14.90	1.20E-45	1.65E-43	1.11
63	Mdh1	Zona Glomerulosa 2	14.88	4.99E-46	6.98E-44	0.81
64	Sphkap	Zona Glomerulosa 2	14.84	1.66E-46	2.39E-44	1.59
65	Map1lc3a	Zona Glomerulosa 2	14.79	2.55E-45	3.43E-43	0.94
66	Ctnnbp2	Zona Glomerulosa 2	14.77	3.87E-46	5.52E-44	1.14
67	Stx7	Zona Glomerulosa 2	14.69	1.25E-45	1.70E-43	0.97
68	Pla2g2f	Zona Glomerulosa 2	14.60	3.16E-45	4.21E-43	1.45
69	Lynx1	Zona Glomerulosa 2	14.55	5.86E-45	7.74E-43	1.19
70	Tmem53	Zona Glomerulosa 2	14.52	7.13E-45	9.32E-43	1.20
71	Ndufa4	Zona Glomerulosa 2	14.25	5.39E-42	6.23E-40	0.68
72	Tpi1	Zona Glomerulosa 2	14.19	2.13E-42	2.50E-40	0.84
73	Fkbp3	Zona Glomerulosa 2	14.18	1.23E-42	1.47E-40	0.86
74	Igfbp7	Zona Glomerulosa 2	14.16	1.04E-41	1.18E-39	1.06
75	Pcp4l1	Zona Glomerulosa 2	14.08	1.96E-42	2.32E-40	1.28
76	Prlr	Zona Glomerulosa 2	14.03	3.88E-42	4.52E-40	1.18
77	Ccnd1	Zona Glomerulosa 2	14.00	7.46E-42	8.56E-40	1.04
78	Cyp11a1	Zona Glomerulosa 2	13.97	3.38E-40	3.53E-38	1.10
79	Haus4	Zona Glomerulosa 2	13.91	1.71E-41	1.93E-39	1.24

80	Hspb6	Zona Glomerulosa 2	13.87	2.74E-41	3.06E-39	1.26
81	Tst	Zona Glomerulosa 2	13.82	8.54E-41	9.34E-39	1.01
82	Stk39	Zona Glomerulosa 2	13.79	7.40E-41	8.15E-39	1.12
83	Nfat5	Zona Glomerulosa 2	13.78	9.34E-41	1.01E-38	1.05
84	Cyth3	Zona Glomerulosa 2	13.71	1.86E-40	2.00E-38	1.12
85	Cyb5b	Zona Glomerulosa 2	13.60	2.18E-39	2.21E-37	0.93
86	Ywhaq	Zona Glomerulosa 2	13.51	4.52E-39	4.56E-37	0.71
87	Aebp1	Zona Glomerulosa 2	13.48	1.10E-38	1.07E-36	0.98
88	Vdac3	Zona Glomerulosa 2	13.46	9.88E-39	9.74E-37	0.77
89	Aes	Zona Glomerulosa 2	13.43	6.86E-38	6.40E-36	0.78
90	Cyp21a1	Zona Glomerulosa 2	13.38	3.29E-37	2.91E-35	1.11
91	Gm11744	Zona Glomerulosa 2	13.25	5.04E-38	4.80E-36	1.10
92	Cxx1a	Zona Glomerulosa 2	13.12	2.73E-37	2.43E-35	0.96
93	Ndufs2	Zona Glomerulosa 2	13.11	7.88E-37	6.69E-35	0.74
94	Idh2	Zona Glomerulosa 2	13.08	5.27E-37	4.56E-35	0.85
95	G6pc3	Zona Glomerulosa 2	13.07	4.80E-37	4.20E-35	0.95
96	Arl3	Zona Glomerulosa 2	13.04	8.28E-37	6.98E-35	0.86
97	1700025G04Rik	Zona Glomerulosa 2	13.02	7.82E-37	6.67E-35	1.02
98	Rerg	Zona Glomerulosa 2	12.97	1.37E-36	1.14E-34	1.01
99	Mtfr1l	Zona Glomerulosa 2	12.93	2.41E-36	1.95E-34	0.95
100	Itga6	Zona Glomerulosa 2	12.90	3.57E-36	2.84E-34	1.00
1	Wnt4	Transition Zone 1	16.32	9.56E-46	1.34E-41	2.05
2	Pde2a	Transition Zone 1	15.81	1.02E-44	7.12E-41	1.67
3	Peg10	Transition Zone 1	15.06	1.04E-42	4.85E-39	1.78
4	Auts2	Transition Zone 1	14.47	6.97E-39	2.44E-35	1.58
5	1500015O10Rik	Transition Zone 1	14.25	2.04E-38	5.71E-35	2.49
6	Dab2	Transition Zone 1	14.15	5.52E-38	1.29E-34	1.60
7	Caln1	Transition Zone 1	13.95	8.80E-37	1.37E-33	1.60
8	Cyb5b	Transition Zone 1	13.92	3.64E-36	4.63E-33	1.36
9	Il6st	Transition Zone 1	13.90	1.41E-37	2.82E-34	1.48
10	Kcnk3	Transition Zone 1	13.79	3.70E-34	3.45E-31	1.69
11	Oxr1	Transition Zone 1	13.74	2.11E-36	2.95E-33	1.45
12	Sorbs2	Transition Zone 1	13.71	1.51E-35	1.77E-32	1.42
13	Steap2	Transition Zone 1	13.30	7.91E-35	7.91E-32	1.47
14	B4galt5	Transition Zone 1	13.21	5.75E-35	6.19E-32	1.73
15	Hmgb3	Transition Zone 1	12.82	2.15E-31	1.31E-28	1.53
16	Smpx	Transition Zone 1	12.78	8.72E-33	7.63E-30	1.60
17	Ism1	Transition Zone 1	12.68	1.14E-32	9.42E-30	1.94
18	Pam	Transition Zone 1	12.67	4.85E-32	3.57E-29	1.44
19	Khdrbs3	Transition Zone 1	12.64	2.02E-32	1.57E-29	1.64
20	Itga6	Transition Zone 1	12.59	1.58E-31	1.01E-28	1.33
21	Nfat5	Transition Zone 1	12.54	1.57E-31	1.01E-28	1.34

22	Neurl1b	Transition Zone 1	12.51	6.80E-32	4.76E-29	1.91
23	Rere	Transition Zone 1	12.19	1.95E-30	1.14E-27	1.44
24	Ccnd2	Transition Zone 1	12.09	1.88E-28	1.01E-25	1.11
25	Slc12a2	Transition Zone 1	12.07	6.89E-30	3.86E-27	1.44
26	Ptprd	Transition Zone 1	11.70	2.80E-28	1.45E-25	1.36
27	Gtf2i	Transition Zone 1	11.60	1.21E-27	5.84E-25	1.18
28	Pbx3	Transition Zone 1	11.59	6.35E-27	2.69E-24	1.14
29	Slc6a5	Transition Zone 1	11.50	2.12E-27	9.89E-25	2.35
30	Prrc2b	Transition Zone 1	11.47	2.22E-27	1.00E-24	1.31
31	Lynx1	Transition Zone 1	11.46	6.94E-27	2.86E-24	1.30
32	Prlr	Transition Zone 1	11.42	4.38E-27	1.92E-24	1.34
33	Cpe	Transition Zone 1	11.39	2.09E-25	6.49E-23	1.44
34	Msi2	Transition Zone 1	11.37	7.63E-27	3.05E-24	1.22
35	Cyfp2	Transition Zone 1	11.31	9.10E-27	3.54E-24	1.30
36	Apoc4	Transition Zone 1	11.28	2.18E-26	8.24E-24	1.29
37	Nkd1	Transition Zone 1	11.21	2.91E-26	1.07E-23	1.38
38	Timp3	Transition Zone 1	11.16	4.11E-25	1.15E-22	1.28
39	Fat1	Transition Zone 1	11.14	3.10E-26	1.11E-23	1.53
40	Etv1	Transition Zone 1	11.13	3.89E-26	1.36E-23	1.44
41	Lrrc55	Transition Zone 1	11.09	5.41E-26	1.85E-23	2.02
42	Tmem56	Transition Zone 1	11.06	8.05E-26	2.68E-23	1.36
43	Mpped2	Transition Zone 1	11.05	8.79E-26	2.86E-23	1.42
44	Ctnbp2	Transition Zone 1	11.01	2.39E-25	7.12E-23	1.22
45	Uaca	Transition Zone 1	10.99	1.19E-25	3.78E-23	1.61
46	Sphkap	Transition Zone 1	10.92	2.38E-25	7.12E-23	1.58
47	Hspe1	Transition Zone 1	10.91	1.84E-24	4.60E-22	1.02
48	Cacnb2	Transition Zone 1	10.91	2.88E-25	8.22E-23	1.47
49	Agtr1a	Transition Zone 1	10.88	1.18E-24	3.07E-22	1.24
50	Atp10a	Transition Zone 1	10.80	6.74E-25	1.85E-22	1.52
51	Mest	Transition Zone 1	10.80	8.39E-25	2.26E-22	1.52
52	Rgs4	Transition Zone 1	10.80	1.25E-24	3.19E-22	1.50
53	Nsf	Transition Zone 1	10.77	9.61E-25	2.54E-22	1.42
54	Tesc	Transition Zone 1	10.66	4.56E-23	9.66E-21	1.17
55	Nr5a1	Transition Zone 1	10.65	9.11E-24	2.16E-21	1.12
56	Zfyve21	Transition Zone 1	10.64	9.38E-24	2.19E-21	1.14
57	Greb1	Transition Zone 1	10.62	4.30E-24	1.06E-21	1.28
58	1700025G04Rik	Transition Zone 1	10.60	7.85E-24	1.90E-21	1.17
59	Soat1	Transition Zone 1	10.57	1.92E-23	4.26E-21	1.06
60	Atp5g3	Transition Zone 1	10.52	6.23E-23	1.26E-20	0.85
61	Tfdp2	Transition Zone 1	10.51	3.32E-23	7.15E-21	1.12
62	Vsnl1	Transition Zone 1	10.51	1.34E-23	3.07E-21	1.52
63	Ccnd1	Transition Zone 1	10.49	3.30E-23	7.15E-21	1.13
64	Mc2r	Transition Zone 1	10.47	4.84E-23	1.01E-20	1.10

65	Pla2g2f	Transition Zone 1	10.46	1.54E-23	3.49E-21	1.43
66	Txn2	Transition Zone 1	10.43	9.28E-23	1.86E-20	1.02
67	Nnt	Transition Zone 1	10.36	5.66E-23	1.16E-20	1.14
68	Aes	Transition Zone 1	10.35	4.38E-22	8.28E-20	0.92
69	Ly6d	Transition Zone 1	10.23	3.83E-22	7.34E-20	1.83
70	Ptn	Transition Zone 1	10.22	5.36E-22	9.75E-20	1.34
71	Sulf1	Transition Zone 1	10.18	2.32E-22	4.50E-20	2.10
72	Cd164	Transition Zone 1	10.15	4.78E-22	8.81E-20	1.03
73	Fxyd6	Transition Zone 1	10.10	2.00E-21	3.46E-19	1.07
74	Slc4a3	Transition Zone 1	10.10	4.49E-22	8.37E-20	1.21
75	Pcp4l1	Transition Zone 1	10.06	6.51E-22	1.17E-19	1.28
76	Chchd10	Transition Zone 1	10.06	7.72E-21	1.23E-18	1.15
77	Snhg18	Transition Zone 1	9.96	2.11E-21	3.56E-19	1.11
78	Cacna1h	Transition Zone 1	9.94	1.39E-21	2.46E-19	1.36
79	Slc7a1	Transition Zone 1	9.90	2.06E-21	3.52E-19	1.28
80	Trim35	Transition Zone 1	9.90	2.90E-21	4.83E-19	1.13
81	Sesn3	Transition Zone 1	9.85	3.37E-21	5.54E-19	1.28
82	Cyth3	Transition Zone 1	9.80	6.80E-21	1.11E-18	1.13
83	Pcdh19	Transition Zone 1	9.79	6.93E-21	1.12E-18	2.20
84	Ctnnb1	Transition Zone 1	9.76	2.04E-20	3.10E-18	0.87
85	Cacna1c	Transition Zone 1	9.73	8.01E-21	1.26E-18	1.38
86	Zfhx3	Transition Zone 1	9.70	2.43E-20	3.66E-18	0.89
87	Itm2c	Transition Zone 1	9.70	7.63E-20	1.11E-17	0.91
88	Olfm1	Transition Zone 1	9.63	1.90E-20	2.92E-18	1.50
89	Ndn	Transition Zone 1	9.58	1.31E-19	1.79E-17	1.13
90	Sod1	Transition Zone 1	9.58	1.03E-19	1.44E-17	0.84
91	Smad5	Transition Zone 1	9.53	4.36E-20	6.49E-18	1.37
92	Meg3	Transition Zone 1	9.52	3.55E-19	4.73E-17	1.40
93	Mras	Transition Zone 1	9.51	5.52E-20	8.14E-18	1.28
94	Hspb6	Transition Zone 1	9.46	1.02E-19	1.44E-17	1.19
95	Plxnb1	Transition Zone 1	9.44	9.12E-20	1.32E-17	1.37
96	Etnk1	Transition Zone 1	9.44	1.11E-19	1.54E-17	1.11
97	E130308A19Rik	Transition Zone 1	9.41	1.14E-19	1.56E-17	1.51
98	Ndufa4	Transition Zone 1	9.37	7.30E-19	9.21E-17	0.70
99	Zfp462	Transition Zone 1	9.33	2.28E-19	3.07E-17	1.34
100	Pdgfa	Transition Zone 1	9.31	4.29E-19	5.61E-17	1.06
1	1500015O10Rik	Transition Zone 2	15.10	1.95E-37	2.73E-33	2.95
2	Steap1	Transition Zone 2	13.52	3.56E-34	2.49E-30	1.97
3	Vsnl1	Transition Zone 2	13.16	6.19E-33	2.89E-29	2.20
4	Dab2	Transition Zone 2	12.51	3.24E-28	6.47E-25	1.58
5	Itm2c	Transition Zone 2	12.32	1.89E-27	2.94E-24	1.37
6	Hmgb3	Transition Zone 2	12.22	1.52E-27	2.66E-24	1.76

7	Wnt4	Transition Zone 2	12.09	8.98E-27	1.09E-23	1.82
8	Ndn	Transition Zone 2	11.80	5.57E-26	6.00E-23	1.61
9	Caln1	Transition Zone 2	11.76	9.30E-27	1.09E-23	1.66
10	Smpx	Transition Zone 2	11.71	2.37E-27	3.32E-24	1.83
11	Cpe	Transition Zone 2	11.56	3.08E-24	2.54E-21	1.72
12	Ctsf	Transition Zone 2	11.00	2.92E-24	2.54E-21	1.36
13	Txn2	Transition Zone 2	10.64	1.01E-22	7.42E-20	1.26
14	Agtr1a	Transition Zone 2	10.54	1.74E-22	1.16E-19	1.42
15	Grhpr	Transition Zone 2	10.36	7.88E-22	4.60E-19	1.33
16	Prlr	Transition Zone 2	10.07	2.45E-21	1.27E-18	1.50
17	Hspe1	Transition Zone 2	10.06	1.15E-20	5.73E-18	1.15
18	Ccnd2	Transition Zone 2	10.04	4.01E-20	1.87E-17	1.11
19	Prdx3	Transition Zone 2	9.99	5.39E-20	2.43E-17	1.17
20	Tesc	Transition Zone 2	9.96	8.84E-20	3.87E-17	1.32
21	Hspd1	Transition Zone 2	9.86	2.16E-20	1.04E-17	1.26
22	Tspan12	Transition Zone 2	9.71	9.30E-20	3.95E-17	1.23
23	Map1lc3a	Transition Zone 2	9.71	1.88E-19	7.72E-17	1.15
24	Reep5	Transition Zone 2	9.69	1.97E-19	7.89E-17	0.93
25	Pdcd6	Transition Zone 2	9.57	2.20E-19	8.55E-17	1.05
26	Ldhb	Transition Zone 2	9.46	5.07E-19	1.82E-16	1.31
27	Cxx1a	Transition Zone 2	9.45	3.58E-19	1.35E-16	1.24
28	Cpb1	Transition Zone 2	9.44	4.33E-19	1.60E-16	1.92
29	Zfyve21	Transition Zone 2	9.37	1.06E-18	3.73E-16	1.23
30	Aldh2	Transition Zone 2	9.31	4.93E-18	1.53E-15	1.02
31	Efhd1	Transition Zone 2	9.30	5.69E-18	1.73E-15	1.20
32	Fxyd6	Transition Zone 2	9.22	6.07E-18	1.81E-15	1.20
33	Tst	Transition Zone 2	9.11	8.15E-18	2.33E-15	1.20
34	Hspb6	Transition Zone 2	9.00	9.87E-18	2.76E-15	1.44
35	Pcp4l1	Transition Zone 2	8.97	1.23E-17	3.38E-15	1.50
36	Mest	Transition Zone 2	8.96	1.27E-17	3.43E-15	1.60
37	Comt	Transition Zone 2	8.95	3.11E-17	7.91E-15	1.02
38	Fdx1	Transition Zone 2	8.92	3.18E-17	7.96E-15	1.41
39	Tspan6	Transition Zone 2	8.85	3.02E-17	7.84E-15	1.61
40	Gamt	Transition Zone 2	8.80	7.30E-17	1.73E-14	1.12
41	Klhdc8a	Transition Zone 2	8.77	1.22E-16	2.80E-14	1.13
42	Apoc4	Transition Zone 2	8.76	6.25E-17	1.53E-14	1.32
43	Pam	Transition Zone 2	8.75	9.62E-17	2.24E-14	1.23
44	Chchd10	Transition Zone 2	8.58	1.47E-15	3.08E-13	1.19
45	Mdh1	Transition Zone 2	8.55	6.52E-16	1.40E-13	0.88
46	Auts2	Transition Zone 2	8.52	6.11E-16	1.36E-13	1.20
47	Oxr1	Transition Zone 2	8.41	8.88E-16	1.88E-13	1.19
48	Pgam1	Transition Zone 2	8.39	3.57E-15	7.24E-13	0.93
49	Nkd1	Transition Zone 2	8.23	2.97E-15	6.11E-13	1.31

50	Ndufb5	Transition Zone 2	8.18	8.25E-15	1.63E-12	0.83
51	Stx7	Transition Zone 2	8.18	5.62E-15	1.12E-12	0.98
52	Morf4l2	Transition Zone 2	8.07	9.65E-15	1.88E-12	0.95
53	Hacd3	Transition Zone 2	8.04	1.12E-14	2.15E-12	1.14
54	Pde2a	Transition Zone 2	8.03	1.80E-14	3.31E-12	1.12
55	Lgals1	Transition Zone 2	8.03	4.02E-14	7.04E-12	1.02
56	Mob4	Transition Zone 2	7.98	2.26E-14	4.11E-12	0.96
57	1700025G04Rik	Transition Zone 2	7.98	1.70E-14	3.22E-12	1.16
58	Stk39	Transition Zone 2	7.97	1.79E-14	3.31E-12	1.18
59	Tecr	Transition Zone 2	7.96	4.35E-14	7.52E-12	0.81
60	Fdxr	Transition Zone 2	7.92	9.52E-14	1.57E-11	1.07
61	Ndufa4	Transition Zone 2	7.90	8.45E-14	1.41E-11	0.71
62	Kcnk3	Transition Zone 2	7.87	1.64E-13	2.47E-11	1.18
63	Pebp1	Transition Zone 2	7.85	1.36E-13	2.11E-11	0.84
64	Agtr1b	Transition Zone 2	7.80	8.37E-14	1.41E-11	2.03
65	Ndufs2	Transition Zone 2	7.76	1.53E-13	2.33E-11	0.79
66	Ptn	Transition Zone 2	7.74	1.25E-13	1.99E-11	1.29
67	Tmem53	Transition Zone 2	7.70	1.13E-13	1.83E-11	1.19
68	Ywhaq	Transition Zone 2	7.69	1.49E-13	2.30E-11	0.78
69	Tpi1	Transition Zone 2	7.68	1.97E-13	2.93E-11	0.87
70	Cyp11b2	Transition Zone 2	7.60	3.99E-13	5.65E-11	2.42
71	Ndufa11	Transition Zone 2	7.58	5.00E-13	6.86E-11	0.77
72	Maged2	Transition Zone 2	7.58	2.61E-13	3.84E-11	1.13
73	Sorbs2	Transition Zone 2	7.56	4.29E-13	5.95E-11	1.02
74	Ctxn3	Transition Zone 2	7.52	3.68E-13	5.26E-11	1.40
75	Steap2	Transition Zone 2	7.43	6.95E-13	9.35E-11	1.15
76	Haus4	Transition Zone 2	7.37	9.92E-13	1.32E-10	1.21
77	Hmgn3	Transition Zone 2	7.37	1.02E-12	1.35E-10	1.08
78	Mpped2	Transition Zone 2	7.36	1.07E-12	1.40E-10	1.27
79	Meg3	Transition Zone 2	7.35	2.13E-12	2.69E-10	1.37
80	Cisd3	Transition Zone 2	7.35	1.20E-12	1.55E-10	1.06
81	Aldoa	Transition Zone 2	7.33	3.29E-12	4.08E-10	0.64
82	Dad1	Transition Zone 2	7.32	3.28E-12	4.08E-10	0.73
83	Cspg5	Transition Zone 2	7.31	1.62E-12	2.06E-10	1.59
84	mt-Nd2	Transition Zone 2	7.27	4.10E-12	5.03E-10	0.77
85	Vdac3	Transition Zone 2	7.18	4.58E-12	5.52E-10	0.78
86	Vdac1	Transition Zone 2	7.15	4.76E-12	5.58E-10	0.85
87	Rundc3a	Transition Zone 2	7.15	4.21E-12	5.12E-10	1.38
88	Spint2	Transition Zone 2	7.14	4.63E-12	5.54E-10	1.14
89	Kif1a	Transition Zone 2	7.13	4.77E-12	5.58E-10	1.27
90	Plin1	Transition Zone 2	7.05	8.22E-12	9.28E-10	1.20
91	Eno3	Transition Zone 2	6.98	1.66E-11	1.81E-09	1.91
92	Cyc1	Transition Zone 2	6.97	1.68E-11	1.81E-09	0.76



93	Gm11744	Transition Zone 2	6.96	1.49E-11	1.63E-09	1.07
94	Rgs4	Transition Zone 2	6.94	1.70E-11	1.81E-09	1.29
95	Car2	Transition Zone 2	6.91	1.90E-11	2.01E-09	1.20
96	Cyp21a1	Transition Zone 2	6.87	6.05E-11	6.10E-09	1.07
97	mt-Nd1	Transition Zone 2	6.86	4.13E-11	4.29E-09	0.54
98	Mc2r	Transition Zone 2	6.83	4.19E-11	4.31E-09	0.90
99	Fbln1	Transition Zone 2	6.74	6.23E-11	6.23E-09	1.75
100	Alas1	Transition Zone 2	6.74	8.28E-11	7.89E-09	0.93
1	Stmn1	Cycling Adrenocortical Cells	33.22	1.70E-54	2.38E-50	7.21
2	H2afz	Cycling Adrenocortical Cells	18.26	7.91E-31	5.54E-27	3.14
3	Cks1b	Cycling Adrenocortical Cells	16.47	4.35E-30	2.03E-26	3.92
4	Birc5	Cycling Adrenocortical Cells	15.22	7.17E-22	2.51E-18	7.24
5	Cdca8	Cycling Adrenocortical Cells	14.69	3.23E-21	8.08E-18	6.61
6	Pbk	Cycling Adrenocortical Cells	13.59	1.10E-18	1.10E-15	8.56
7	Cdca3	Cycling Adrenocortical Cells	12.60	1.42E-17	1.05E-14	7.64
8	H2afv	Cycling Adrenocortical Cells	12.45	3.46E-21	8.08E-18	2.53
9	Smc2	Cycling Adrenocortical Cells	12.26	1.60E-19	1.87E-16	4.48
10	Smc4	Cycling Adrenocortical Cells	12.07	1.49E-20	2.61E-17	3.52
11	Lockd	Cycling Adrenocortical Cells	12.02	7.78E-17	4.95E-14	7.29
12	H1fx	Cycling Adrenocortical Cells	12.02	7.89E-18	6.91E-15	5.06
13	Mns1	Cycling Adrenocortical Cells	11.98	2.48E-19	2.67E-16	4.03
14	Ccdc34	Cycling Adrenocortical Cells	11.86	1.22E-20	2.43E-17	3.12
15	Hmgb1	Cycling Adrenocortical Cells	11.76	1.35E-19	1.72E-16	2.12
16	Dnajc9	Cycling Adrenocortical Cells	11.57	7.36E-20	1.03E-16	2.65
17	Hmgn2	Cycling Adrenocortical Cells	11.54	4.28E-20	6.66E-17	3.37
18	Racgap1	Cycling Adrenocortical Cells	11.54	3.40E-16	1.98E-13	6.99
19	Tpx2	Cycling Adrenocortical Cells	11.25	9.16E-16	4.75E-13	7.00
20	Spc24	Cycling Adrenocortical Cells	11.24	2.56E-16	1.56E-13	5.64
21	Ran	Cycling Adrenocortical Cells	11.24	1.06E-17	8.23E-15	1.91
22	Cenpf	Cycling Adrenocortical Cells	11.10	2.09E-15	9.45E-13	7.52
23	Cks2	Cycling Adrenocortical Cells	11.08	8.74E-18	7.20E-15	4.52
24	Mki67	Cycling Adrenocortical Cells	10.98	1.28E-15	5.98E-13	6.67
25	Nucks1	Cycling Adrenocortical Cells	10.89	4.38E-18	4.09E-15	2.20
26	Ccnb2	Cycling Adrenocortical Cells	10.73	6.75E-15	2.86E-12	7.37
27	Top2a	Cycling Adrenocortical Cells	10.48	7.12E-15	2.93E-12	6.59
28	2700094K13Rik	Cycling Adrenocortical Cells	10.46	1.62E-17	1.13E-14	2.89
29	Ube2s	Cycling Adrenocortical Cells	10.41	2.45E-17	1.63E-14	2.75
30	Cdc20	Cycling Adrenocortical Cells	10.40	2.63E-14	9.94E-12	7.44
31	Knstrn	Cycling Adrenocortical Cells	10.36	2.27E-14	8.81E-12	7.02
32	Ckap2	Cycling Adrenocortical Cells	10.11	7.81E-14	2.88E-11	7.45
33	Cdkn2a	Cycling Adrenocortical Cells	10.10	1.27E-15	5.98E-13	3.95
34	Hmmr	Cycling Adrenocortical Cells	9.80	2.19E-13	7.29E-11	7.77

35	Pmf1	Cycling Adrenocortical Cells	9.78	5.04E-16	2.82E-13	3.00
36	Hmgb2	Cycling Adrenocortical Cells	9.68	6.14E-16	3.31E-13	3.67
37	Tuba1b	Cycling Adrenocortical Cells	9.56	1.22E-15	5.98E-13	2.61
38	Cenpm	Cycling Adrenocortical Cells	9.55	3.82E-13	1.24E-10	6.51
39	Ccna2	Cycling Adrenocortical Cells	9.45	5.40E-13	1.72E-10	6.96
40	Prc1	Cycling Adrenocortical Cells	9.45	6.55E-13	1.99E-10	7.24
41	Dek	Cycling Adrenocortical Cells	9.31	3.32E-15	1.45E-12	2.46
42	Ube2c	Cycling Adrenocortical Cells	9.20	1.59E-12	4.29E-10	7.43
43	2810417H13Rik	Cycling Adrenocortical Cells	9.12	1.04E-12	2.91E-10	6.22
44	Ptn	Cycling Adrenocortical Cells	9.04	9.78E-14	3.42E-11	2.64
45	Ptma	Cycling Adrenocortical Cells	9.01	9.56E-14	3.42E-11	1.45
46	Tacc3	Cycling Adrenocortical Cells	8.97	1.92E-12	5.08E-10	5.73
47	Prdx4	Cycling Adrenocortical Cells	8.94	2.12E-14	8.48E-12	2.41
48	Cdk1	Cycling Adrenocortical Cells	8.88	3.28E-12	8.26E-10	5.94
49	Tyms	Cycling Adrenocortical Cells	8.81	8.98E-13	2.62E-10	4.18
50	Mad2l1	Cycling Adrenocortical Cells	8.70	3.30E-12	8.26E-10	4.92
51	Ppia	Cycling Adrenocortical Cells	8.67	1.07E-13	3.66E-11	0.80
52	Cenpa	Cycling Adrenocortical Cells	8.64	6.71E-12	1.62E-09	5.70
53	Tagln2	Cycling Adrenocortical Cells	8.45	5.56E-13	1.73E-10	2.47
54	Kif22	Cycling Adrenocortical Cells	8.41	2.44E-11	5.18E-09	6.54
55	Kif20b	Cycling Adrenocortical Cells	8.41	1.64E-11	3.54E-09	5.50
56	Nusap1	Cycling Adrenocortical Cells	8.41	2.67E-11	5.56E-09	6.95
57	Tk1	Cycling Adrenocortical Cells	8.20	4.14E-11	8.29E-09	6.13
58	Tmpo	Cycling Adrenocortical Cells	8.19	1.53E-12	4.20E-10	2.55
59	Cenpw	Cycling Adrenocortical Cells	8.18	1.37E-11	3.01E-09	4.11
60	Bok	Cycling Adrenocortical Cells	8.17	9.59E-13	2.74E-10	2.40
61	Nuf2	Cycling Adrenocortical Cells	8.13	8.78E-11	1.58E-08	7.59
62	Ccnb1	Cycling Adrenocortical Cells	8.07	1.08E-10	1.89E-08	7.76
63	Hn1	Cycling Adrenocortical Cells	7.99	2.56E-12	6.65E-10	2.31
64	Ckap2l	Cycling Adrenocortical Cells	7.95	1.42E-10	2.43E-08	6.80
65	Kif20a	Cycling Adrenocortical Cells	7.94	1.67E-10	2.82E-08	7.05
66	Ube2t	Cycling Adrenocortical Cells	7.93	8.39E-11	1.55E-08	5.43
67	Cdkn3	Cycling Adrenocortical Cells	7.93	1.73E-10	2.86E-08	7.26
68	Dnph1	Cycling Adrenocortical Cells	7.89	4.83E-11	9.39E-09	4.02
69	Tubb4b	Cycling Adrenocortical Cells	7.88	9.62E-12	2.17E-09	2.75
70	Hint1	Cycling Adrenocortical Cells	7.84	1.09E-11	2.42E-09	1.24
71	Ncaph2	Cycling Adrenocortical Cells	7.78	6.72E-12	1.62E-09	2.18
72	Nudc	Cycling Adrenocortical Cells	7.77	3.98E-11	8.08E-09	1.44
73	Calm2	Cycling Adrenocortical Cells	7.76	7.33E-12	1.74E-09	1.36
74	Sae1	Cycling Adrenocortical Cells	7.76	7.59E-12	1.77E-09	2.22
75	Rrm1	Cycling Adrenocortical Cells	7.75	4.79E-11	9.39E-09	3.58
76	Dtymk	Cycling Adrenocortical Cells	7.75	9.19E-12	2.11E-09	1.85
77	Spc25	Cycling Adrenocortical Cells	7.66	4.45E-10	7.08E-08	6.70

78	Cox6b2	Cycling Adrenocortical Cells	7.63	2.95E-10	4.74E-08	5.06
79	Erh	Cycling Adrenocortical Cells	7.58	5.65E-11	1.07E-08	1.40
80	Hdgf	Cycling Adrenocortical Cells	7.51	2.70E-11	5.56E-09	1.75
81	Anp32b	Cycling Adrenocortical Cells	7.46	5.16E-11	9.90E-09	1.60
82	Fbln1	Cycling Adrenocortical Cells	7.46	5.89E-11	1.10E-08	2.89
83	Anln	Cycling Adrenocortical Cells	7.41	9.83E-10	1.50E-07	6.51
84	Casc5	Cycling Adrenocortical Cells	7.39	1.12E-09	1.69E-07	6.72
85	Hsp90aa1	Cycling Adrenocortical Cells	7.36	1.25E-10	2.16E-08	1.32
86	Lmnb1	Cycling Adrenocortical Cells	7.34	2.22E-10	3.62E-08	3.65
87	Rangap1	Cycling Adrenocortical Cells	7.24	1.71E-10	2.84E-08	2.77
88	Ect2	Cycling Adrenocortical Cells	7.19	2.54E-09	3.52E-07	6.76
89	Rbbp7	Cycling Adrenocortical Cells	7.05	5.91E-10	9.29E-08	1.51
90	Ndc80	Cycling Adrenocortical Cells	7.04	3.49E-09	4.70E-07	6.44
91	Idh2	Cycling Adrenocortical Cells	7.04	6.23E-10	9.69E-08	1.49
92	Kif23	Cycling Adrenocortical Cells	7.03	4.23E-09	5.53E-07	6.47
93	4930579G24Rik	Cycling Adrenocortical Cells	7.03	3.00E-09	4.11E-07	5.29
94	Ncapd2	Cycling Adrenocortical Cells	6.92	2.43E-09	3.41E-07	3.83
95	Nt5dc2	Cycling Adrenocortical Cells	6.91	7.89E-10	1.21E-07	3.28
96	Aurka	Cycling Adrenocortical Cells	6.88	6.54E-09	8.10E-07	6.01
97	Usp1	Cycling Adrenocortical Cells	6.84	1.19E-09	1.76E-07	2.70
98	Hnrnpa3	Cycling Adrenocortical Cells	6.83	1.17E-09	1.74E-07	1.19
99	Aspm	Cycling Adrenocortical Cells	6.82	1.03E-08	1.19E-06	7.47
100	Dlgap5	Cycling Adrenocortical Cells	6.80	9.30E-09	1.10E-06	6.55
1	C1qb	Macrophages 1	121.05	0.00E+00	0.00E+00	8.27
2	C1qa	Macrophages 1	120.71	0.00E+00	0.00E+00	8.35
3	C1qc	Macrophages 1	117.78	0.00E+00	0.00E+00	8.08
4	Cd74	Macrophages 1	113.46	0.00E+00	0.00E+00	9.58
5	Ctss	Macrophages 1	111.68	0.00E+00	0.00E+00	8.09
6	Cxcl2	Macrophages 1	104.22	0.00E+00	0.00E+00	9.09
7	H2-Aa	Macrophages 1	102.57	0.00E+00	0.00E+00	8.63
8	Tyrobp	Macrophages 1	101.18	0.00E+00	0.00E+00	7.37
9	Rgs1	Macrophages 1	99.86	0.00E+00	0.00E+00	8.02
10	Cd83	Macrophages 1	99.48	0.00E+00	0.00E+00	7.77
11	H2-Ab1	Macrophages 1	99.23	0.00E+00	0.00E+00	8.48
12	H2-Eb1	Macrophages 1	99.14	0.00E+00	0.00E+00	8.51
13	Fcer1g	Macrophages 1	95.86	0.00E+00	0.00E+00	6.89
14	ApoE	Macrophages 1	89.59	0.00E+00	0.00E+00	7.53
15	Cybb	Macrophages 1	87.32	0.00E+00	0.00E+00	7.45
16	Laptm5	Macrophages 1	84.39	0.00E+00	0.00E+00	6.71
17	Ctsc	Macrophages 1	83.15	0.00E+00	0.00E+00	7.24
18	Nfkbiz	Macrophages 1	82.22	0.00E+00	0.00E+00	6.71
19	Psap	Macrophages 1	79.50	0.00E+00	0.00E+00	4.13

20	Lyz2	Macrophages 1	78.83	0.00E+00	0.00E+00	7.67
21	Ccl3	Macrophages 1	78.15	0.00E+00	0.00E+00	8.36
22	Lgmn	Macrophages 1	77.68	0.00E+00	0.00E+00	5.49
23	Aif1	Macrophages 1	75.86	0.00E+00	0.00E+00	6.83
24	Cxcl16	Macrophages 1	73.61	0.00E+00	0.00E+00	6.59
25	H2-DMb1	Macrophages 1	73.22	0.00E+00	0.00E+00	7.02
26	Nfkbia	Macrophages 1	72.38	0.00E+00	0.00E+00	5.43
27	Klf6	Macrophages 1	72.34	0.00E+00	0.00E+00	5.50
28	H2-DMa	Macrophages 1	71.60	0.00E+00	0.00E+00	6.63
29	Ftl1	Macrophages 1	70.97	0.00E+00	0.00E+00	2.82
30	H3f3b	Macrophages 1	70.73	0.00E+00	0.00E+00	3.73
31	Csf1r	Macrophages 1	70.56	0.00E+00	0.00E+00	6.71
32	Cd52	Macrophages 1	69.99	0.00E+00	0.00E+00	6.63
33	Ccl4	Macrophages 1	68.94	0.00E+00	0.00E+00	8.33
34	Coro1a	Macrophages 1	68.66	0.00E+00	0.00E+00	6.44
35	Cyba	Macrophages 1	68.63	0.00E+00	0.00E+00	4.37
36	Hexb	Macrophages 1	68.43	0.00E+00	0.00E+00	5.75
37	Tmsb4x	Macrophages 1	66.69	0.00E+00	0.00E+00	5.64
38	Cotl1	Macrophages 1	64.71	0.00E+00	0.00E+00	5.66
39	Unc93b1	Macrophages 1	63.54	0.00E+00	0.00E+00	5.25
40	Atf3	Macrophages 1	63.07	0.00E+00	0.00E+00	5.48
41	Ier5	Macrophages 1	62.76	0.00E+00	0.00E+00	5.62
42	Lcp1	Macrophages 1	62.65	0.00E+00	0.00E+00	6.58
43	Dusp1	Macrophages 1	62.58	0.00E+00	0.00E+00	4.94
44	Zfp36	Macrophages 1	62.02	0.00E+00	0.00E+00	4.80
45	Bcl2a1b	Macrophages 1	61.68	0.00E+00	0.00E+00	7.42
46	Rgs10	Macrophages 1	61.64	0.00E+00	0.00E+00	6.08
47	Fyb	Macrophages 1	60.25	0.00E+00	0.00E+00	5.27
48	Ctsz	Macrophages 1	59.91	0.00E+00	0.00E+00	3.65
49	Ccl2	Macrophages 1	59.14	0.00E+00	0.00E+00	6.24
50	Lilrb4a	Macrophages 1	58.87	0.00E+00	0.00E+00	6.61
51	Npc2	Macrophages 1	56.65	0.00E+00	0.00E+00	3.23
52	Srgn	Macrophages 1	55.89	0.00E+00	0.00E+00	5.19
53	Fth1	Macrophages 1	55.77	0.00E+00	0.00E+00	2.12
54	Ctsh	Macrophages 1	55.32	0.00E+00	0.00E+00	3.46
55	B2m	Macrophages 1	55.13	7.54E-270	1.29E-267	3.76
56	Pld4	Macrophages 1	54.14	1.16E-294	2.47E-292	6.30
57	Lst1	Macrophages 1	54.08	3.41E-298	7.33E-296	6.18
58	H2-D1	Macrophages 1	54.03	7.74E-275	1.39E-272	4.04
59	Cd68	Macrophages 1	53.92	7.82E-301	1.71E-298	6.14
60	Fxyd5	Macrophages 1	53.45	0.00E+00	0.00E+00	5.15
61	Mpeg1	Macrophages 1	53.43	2.17E-290	4.34E-288	6.23
62	Cst3	Macrophages 1	53.21	0.00E+00	0.00E+00	2.41

63	Tnf	Macrophages 1	52.91	1.64E-255	2.55E-253	7.96
64	Ucp2	Macrophages 1	52.89	0.00E+00	0.00E+00	3.71
65	Actb	Macrophages 1	52.76	0.00E+00	0.00E+00	2.47
66	Tgfb1	Macrophages 1	52.07	4.98E-292	1.01E-289	5.57
67	Lilr4b	Macrophages 1	51.77	7.37E-258	1.19E-255	7.03
68	Tnfaip3	Macrophages 1	51.63	8.52E-258	1.36E-255	6.87
69	Rps29	Macrophages 1	51.57	0.00E+00	0.00E+00	1.43
70	Ms4a6c	Macrophages 1	51.49	3.44E-283	6.34E-281	6.24
71	AF251705	Macrophages 1	51.33	2.80E-274	4.90E-272	6.24
72	Csf2ra	Macrophages 1	51.17	2.28E-293	4.69E-291	4.76
73	Ubc	Macrophages 1	51.06	0.00E+00	0.00E+00	2.48
74	Acp5	Macrophages 1	50.50	4.35E-265	7.25E-263	6.63
75	Ifrd1	Macrophages 1	50.47	8.09E-289	1.57E-286	4.59
76	Basp1	Macrophages 1	49.95	2.46E-250	3.70E-248	6.93
77	Sh3bgrl3	Macrophages 1	49.85	6.81E-306	1.54E-303	3.06
78	Alox5ap	Macrophages 1	49.12	8.24E-264	1.36E-261	6.12
79	Fau	Macrophages 1	48.90	1.14E-301	2.54E-299	1.54
80	Ppp1r15a	Macrophages 1	48.57	2.59E-288	4.97E-286	4.43
81	Hspa5	Macrophages 1	48.17	2.23E-294	4.66E-292	3.07
82	Sdc4	Macrophages 1	48.04	1.72E-248	2.56E-246	5.37
83	Ii1b	Macrophages 1	47.96	2.50E-231	3.21E-229	7.86
84	H2-K1	Macrophages 1	47.90	4.47E-268	7.54E-266	2.93
85	Actr3	Macrophages 1	47.71	7.65E-290	1.51E-287	3.60
86	Arpc1b	Macrophages 1	47.34	3.32E-288	6.20E-286	3.10
87	Lgals3	Macrophages 1	46.99	3.85E-253	5.92E-251	6.19
88	Axl	Macrophages 1	46.62	1.96E-239	2.74E-237	5.99
89	Slc15a3	Macrophages 1	46.41	1.02E-229	1.28E-227	6.54
90	Pik3r1	Macrophages 1	46.25	8.69E-238	1.19E-235	5.77
91	Ctsb	Macrophages 1	45.48	1.62E-274	2.88E-272	2.40
92	Ier2	Macrophages 1	45.39	1.33E-272	2.30E-270	4.20
93	Ly86	Macrophages 1	45.17	2.89E-237	3.92E-235	5.99
94	Spi1	Macrophages 1	43.97	8.41E-228	1.02E-225	5.87
95	Junb	Macrophages 1	43.73	1.47E-228	1.81E-226	3.76
96	Ptprc	Macrophages 1	43.61	2.45E-224	2.88E-222	5.84
97	Fcgr3	Macrophages 1	43.59	1.12E-232	1.48E-230	5.80
98	Pim1	Macrophages 1	43.48	7.45E-241	1.05E-238	4.24
99	Egr1	Macrophages 1	43.16	4.33E-257	6.81E-255	3.90
100	Ifi2712a	Macrophages 1	43.07	4.51E-239	6.25E-237	5.18
1	C1qc	Macrophages 2	27.58	1.36E-55	1.90E-52	6.45
2	C1qb	Macrophages 2	26.98	1.41E-54	1.10E-51	6.63
3	C1qa	Macrophages 2	26.70	1.01E-54	8.81E-52	6.60
4	Ctss	Macrophages 2	26.41	5.66E-56	9.90E-53	6.48

5	Ctsc	Macrophages 2	25.77	3.71E-58	8.65E-55	5.56
6	Fcer1g	Macrophages 2	25.75	9.30E-54	6.51E-51	5.81
7	Tyrobp	Macrophages 2	25.59	1.13E-54	9.30E-52	5.87
8	Fcgr3	Macrophages 2	25.03	3.35E-68	4.69E-64	5.28
9	Lyz2	Macrophages 2	24.52	1.69E-63	1.19E-59	6.90
10	Aif1	Macrophages 2	24.25	3.76E-60	1.76E-56	5.14
11	Laptm5	Macrophages 2	24.06	2.36E-55	2.54E-52	4.91
12	Cd52	Macrophages 2	23.98	6.39E-57	1.28E-53	5.27
13	Hexb	Macrophages 2	23.90	2.38E-59	6.66E-56	4.89
14	Cd74	Macrophages 2	23.43	6.17E-50	2.70E-47	7.79
15	Lgmn	Macrophages 2	23.21	8.49E-55	7.92E-52	4.68
16	Psap	Macrophages 2	22.82	1.37E-51	6.83E-49	3.83
17	Ms4a6c	Macrophages 2	22.77	9.33E-60	3.26E-56	4.88
18	Cyba	Macrophages 2	22.41	6.07E-49	2.58E-46	3.97
19	H2-Eb1	Macrophages 2	22.18	3.98E-53	2.53E-50	6.66
20	ApoE	Macrophages 2	22.18	9.72E-52	5.04E-49	6.58
21	Cotl1	Macrophages 2	22.01	1.86E-55	2.22E-52	4.65
22	H2-Aa	Macrophages 2	21.85	1.84E-52	1.03E-49	6.70
23	H2-Ab1	Macrophages 2	21.68	2.27E-50	1.02E-47	6.63
24	Tmsb4x	Macrophages 2	21.52	6.66E-44	1.90E-41	5.31
25	Lst1	Macrophages 2	21.45	9.38E-56	1.46E-52	4.58
26	H2-DMa	Macrophages 2	21.17	7.35E-54	5.41E-51	4.77
27	Spi1	Macrophages 2	21.02	1.90E-55	2.22E-52	4.46
28	Cd68	Macrophages 2	20.88	3.53E-55	3.53E-52	4.70
29	Csf1r	Macrophages 2	20.83	1.33E-52	7.78E-50	4.48
30	Rgs10	Macrophages 2	20.52	3.22E-53	2.14E-50	4.47
31	Coro1a	Macrophages 2	20.32	6.99E-52	3.76E-49	4.65
32	Sh3bgrl3	Macrophages 2	20.21	1.51E-47	5.43E-45	3.09
33	Unc93b1	Macrophages 2	20.19	4.35E-51	2.10E-48	4.21
34	Ctsz	Macrophages 2	20.09	1.36E-46	4.64E-44	3.25
35	Ly86	Macrophages 2	20.00	1.03E-52	6.29E-50	4.61
36	Cst3	Macrophages 2	19.83	8.51E-49	3.50E-46	2.47
37	Cxcl16	Macrophages 2	19.39	3.23E-48	1.29E-45	4.34
38	Pla2g7	Macrophages 2	19.33	1.49E-50	6.95E-48	4.49
39	B2m	Macrophages 2	18.86	4.82E-39	8.76E-37	3.53
40	Ms4a6b	Macrophages 2	18.68	1.05E-47	3.99E-45	4.60
41	Npc2	Macrophages 2	18.64	3.42E-43	8.87E-41	2.82
42	H2-DMb1	Macrophages 2	18.55	4.30E-46	1.37E-43	4.52
43	Ifi27l2a	Macrophages 2	18.47	1.02E-47	3.98E-45	4.66
44	Man2b1	Macrophages 2	18.46	1.18E-47	4.36E-45	3.91
45	Lcp1	Macrophages 2	18.39	1.82E-46	5.93E-44	4.46
46	Ctsb	Macrophages 2	18.23	1.08E-46	3.79E-44	2.62
47	AF251705	Macrophages 2	18.10	1.74E-46	5.81E-44	4.31

48	Arhgdib	Macrophages 2	17.93	7.38E-46	2.30E-43	4.25
49	Ms4a6d	Macrophages 2	17.93	6.89E-45	2.05E-42	4.52
50	Ctsh	Macrophages 2	17.87	3.52E-43	8.97E-41	3.09
51	Cd53	Macrophages 2	17.82	1.70E-45	5.18E-43	4.30
52	Ftl1	Macrophages 2	17.72	4.56E-41	9.68E-39	2.26
53	Cybb	Macrophages 2	17.50	6.27E-43	1.57E-40	4.35
54	Arpc1b	Macrophages 2	17.44	9.43E-41	1.94E-38	2.83
55	Hcls1	Macrophages 2	17.29	9.08E-44	2.54E-41	4.10
56	Mpeg1	Macrophages 2	17.22	1.39E-43	3.82E-41	4.24
57	Actb	Macrophages 2	17.19	1.24E-40	2.52E-38	2.27
58	Alox5ap	Macrophages 2	17.17	1.99E-43	5.36E-41	4.29
59	Acp5	Macrophages 2	17.17	2.15E-43	5.68E-41	4.51
60	H2-D1	Macrophages 2	17.10	6.39E-36	9.51E-34	3.49
61	Hexa	Macrophages 2	17.07	4.99E-42	1.17E-39	2.84
62	Trf	Macrophages 2	17.05	1.34E-42	3.18E-40	4.52
63	Fxyd5	Macrophages 2	17.03	1.03E-42	2.52E-40	4.01
64	Clec4a2	Macrophages 2	16.99	1.27E-42	3.07E-40	4.23
65	Cfl1	Macrophages 2	16.92	3.81E-40	7.30E-38	1.76
66	Itm2b	Macrophages 2	16.85	8.85E-42	2.03E-39	1.63
67	Actr3	Macrophages 2	16.81	2.64E-41	5.76E-39	3.14
68	Cd48	Macrophages 2	16.78	2.83E-40	5.58E-38	4.51
69	Tgfb1	Macrophages 2	16.65	1.13E-41	2.55E-39	4.05
70	Pld4	Macrophages 2	16.58	1.80E-41	3.99E-39	4.13
71	Grn	Macrophages 2	16.53	4.27E-41	9.19E-39	2.97
72	Cx3cr1	Macrophages 2	16.51	1.00E-39	1.90E-37	4.53
73	Crip1	Macrophages 2	16.42	8.19E-41	1.71E-38	4.24
74	Csf2ra	Macrophages 2	16.40	1.36E-40	2.72E-38	3.60
75	Pfn1	Macrophages 2	16.28	1.45E-38	2.54E-36	1.60
76	Ptpn18	Macrophages 2	16.20	3.79E-40	7.30E-38	3.89
77	Axl	Macrophages 2	16.05	1.10E-39	2.05E-37	3.89
78	Ucp2	Macrophages 2	16.04	6.05E-38	1.02E-35	3.02
79	Lgals3	Macrophages 2	15.94	2.94E-39	5.41E-37	4.62
80	Cd72	Macrophages 2	15.82	1.45E-38	2.54E-36	4.22
81	Ptpn6	Macrophages 2	15.76	3.50E-38	6.04E-36	4.06
82	Ctsa	Macrophages 2	15.72	1.44E-38	2.54E-36	3.13
83	Cyp4f18	Macrophages 2	15.70	4.23E-38	7.22E-36	4.24
84	Lilra5	Macrophages 2	15.65	4.70E-37	7.65E-35	4.36
85	Sat1	Macrophages 2	15.62	5.38E-37	8.56E-35	3.21
86	Fyb	Macrophages 2	15.36	2.79E-37	4.65E-35	3.65
87	Wfdc17	Macrophages 2	15.35	1.29E-36	1.98E-34	4.85
88	Efhd2	Macrophages 2	15.32	3.10E-37	5.10E-35	3.62
89	Gngt2	Macrophages 2	15.26	8.46E-37	1.32E-34	3.52
90	Vsir	Macrophages 2	15.06	3.45E-35	4.93E-33	4.14

91	Fcgr4	Macrophages 2	15.01	1.68E-35	2.45E-33	4.21
92	Cadm1	Macrophages 2	14.85	1.17E-35	1.72E-33	3.32
93	Fth1	Macrophages 2	14.82	2.51E-34	3.47E-32	1.68
94	Adgre1	Macrophages 2	14.76	1.89E-34	2.65E-32	4.15
95	Lilrb4a	Macrophages 2	14.71	3.34E-35	4.81E-33	3.85
96	Arcp2	Macrophages 2	14.63	4.03E-34	5.52E-32	2.13
97	Lsp1	Macrophages 2	14.59	4.45E-34	6.05E-32	4.18
98	Fam105a	Macrophages 2	14.21	8.18E-33	1.08E-30	3.97
99	Slc11a1	Macrophages 2	14.18	6.97E-33	9.30E-31	3.94
100	Clic1	Macrophages 2	14.04	2.94E-32	3.78E-30	1.97
1	Emcn	Endothelial Cells	129.83	0.00E+00	0.00E+00	8.17
2	Plvap	Endothelial Cells	107.87	0.00E+00	0.00E+00	8.00
3	Fabp4	Endothelial Cells	97.89	0.00E+00	0.00E+00	8.12
4	Egfl7	Endothelial Cells	94.72	0.00E+00	0.00E+00	7.45
5	Ly6c1	Endothelial Cells	90.75	0.00E+00	0.00E+00	7.59
6	Gimap6	Endothelial Cells	84.62	0.00E+00	0.00E+00	7.48
7	Plpp3	Endothelial Cells	81.45	0.00E+00	0.00E+00	6.38
8	Rgcc	Endothelial Cells	80.09	0.00E+00	0.00E+00	7.47
9	Fam167b	Endothelial Cells	75.12	3.01E-279	3.01E-276	7.85
10	Ly6a	Endothelial Cells	75.04	0.00E+00	0.00E+00	7.12
11	Ehd3	Endothelial Cells	70.00	3.65E-263	2.83E-260	7.79
12	Flt1	Endothelial Cells	68.36	6.12E-288	6.59E-285	7.17
13	Esam	Endothelial Cells	67.36	8.11E-297	1.03E-293	6.37
14	Gng11	Endothelial Cells	67.04	2.52E-267	2.20E-264	7.25
15	Crip2	Endothelial Cells	65.91	4.29E-301	6.00E-298	6.35
16	Gimap4	Endothelial Cells	62.68	5.80E-249	4.06E-246	7.19
17	Kdr	Endothelial Cells	60.84	3.62E-250	2.67E-247	6.70
18	Plpp1	Endothelial Cells	60.41	4.24E-270	3.96E-267	4.20
19	Ramp3	Endothelial Cells	60.34	1.70E-221	8.21E-219	7.83
20	Nrp1	Endothelial Cells	60.27	2.91E-295	3.40E-292	5.82
21	AU021092	Endothelial Cells	59.09	9.71E-230	5.44E-227	7.39
22	Pecam1	Endothelial Cells	58.20	1.54E-229	8.30E-227	7.05
23	Eng	Endothelial Cells	57.76	1.51E-232	8.79E-230	6.91
24	Slc9a3r2	Endothelial Cells	56.66	3.94E-238	2.40E-235	6.40
25	Tm4sf1	Endothelial Cells	56.06	5.06E-240	3.22E-237	6.95
26	Thrsp	Endothelial Cells	55.02	1.51E-208	6.80E-206	7.28
27	Cd200	Endothelial Cells	53.41	7.77E-223	3.88E-220	6.38
28	Id3	Endothelial Cells	52.40	6.52E-264	5.37E-261	5.16
29	Gpihbp1	Endothelial Cells	50.85	1.50E-195	5.84E-193	7.54
30	Icam2	Endothelial Cells	50.19	5.20E-204	2.20E-201	6.51
31	Cd300lg	Endothelial Cells	49.79	4.34E-184	1.52E-181	7.73
32	1810011O10Rik	Endothelial Cells	49.59	5.46E-241	3.64E-238	4.72



33	S100a16	Endothelial Cells	47.77	4.34E-199	1.79E-196	6.12
34	Ramp2	Endothelial Cells	47.67	7.02E-186	2.52E-183	6.99
35	Tshz2	Endothelial Cells	46.90	1.42E-212	6.60E-210	4.94
36	Mmrn2	Endothelial Cells	46.49	4.34E-178	1.48E-175	7.15
37	Pbx1	Endothelial Cells	45.67	1.32E-224	6.86E-222	3.49
38	Vamp5	Endothelial Cells	43.26	8.54E-198	3.41E-195	4.30
39	Ifitm3	Endothelial Cells	42.79	8.56E-190	3.15E-187	3.18
40	Ly6e	Endothelial Cells	42.52	7.18E-191	2.72E-188	2.88
41	Cd34	Endothelial Cells	40.75	3.73E-156	1.04E-153	6.88
42	Jup	Endothelial Cells	40.00	5.82E-168	1.89E-165	5.26
43	Ctla2a	Endothelial Cells	39.33	1.44E-152	3.87E-150	6.66
44	Cdh5	Endothelial Cells	38.78	2.23E-149	5.58E-147	6.65
45	Tie1	Endothelial Cells	38.65	2.69E-145	6.18E-143	6.88
46	Slc43a3	Endothelial Cells	38.10	5.84E-145	1.32E-142	6.68
47	Rsad2	Endothelial Cells	37.42	5.99E-161	1.78E-158	5.63
48	Gimap5	Endothelial Cells	37.06	1.74E-140	3.69E-138	6.50
49	S100a13	Endothelial Cells	36.92	9.97E-174	3.32E-171	3.79
50	Prkcdpb	Endothelial Cells	36.21	1.43E-165	4.36E-163	3.69
51	Eccscr	Endothelial Cells	36.00	2.71E-135	5.27E-133	6.83
52	Exoc3l2	Endothelial Cells	35.85	2.97E-132	5.48E-130	7.11
53	Cd38	Endothelial Cells	35.53	9.93E-146	2.32E-143	5.45
54	Gimap1	Endothelial Cells	35.44	3.00E-134	5.75E-132	6.60
55	Txnip	Endothelial Cells	35.36	9.07E-167	2.89E-164	3.52
56	Lmo2	Endothelial Cells	34.96	3.69E-155	1.01E-152	4.35
57	S100a10	Endothelial Cells	34.39	9.69E-159	2.82E-156	2.74
58	Cald1	Endothelial Cells	34.39	1.15E-138	2.40E-136	5.44
59	Rasip1	Endothelial Cells	34.12	1.64E-126	2.63E-124	6.67
60	Tek	Endothelial Cells	34.10	1.95E-125	3.00E-123	6.87
61	Sptbn1	Endothelial Cells	34.03	2.63E-157	7.50E-155	3.10
62	Adgrl4	Endothelial Cells	33.85	1.46E-125	2.27E-123	6.83
63	H2-D1	Endothelial Cells	33.47	2.40E-126	3.77E-124	3.52
64	Tcn2	Endothelial Cells	33.15	7.56E-152	1.96E-149	3.04
65	Tinagl1	Endothelial Cells	32.93	4.74E-147	1.16E-144	3.51
66	Tmem204	Endothelial Cells	32.72	1.80E-120	2.52E-118	6.77
67	Selm	Endothelial Cells	32.70	1.97E-146	4.76E-144	3.40
68	Pcdh17	Endothelial Cells	32.56	1.12E-118	1.48E-116	7.25
69	Elk3	Endothelial Cells	32.47	1.92E-126	3.05E-124	5.06
70	Sgk1	Endothelial Cells	32.05	5.44E-146	1.29E-143	3.88
71	Cd9	Endothelial Cells	31.83	7.98E-145	1.77E-142	2.88
72	Igfbp4	Endothelial Cells	31.81	2.21E-123	3.26E-121	5.67
73	Irx3	Endothelial Cells	31.69	7.87E-114	1.00E-111	7.68
74	Plscr2	Endothelial Cells	31.39	3.25E-115	4.17E-113	6.64
75	Arhgap31	Endothelial Cells	31.20	5.39E-131	9.21E-129	3.98

76	Btnl9	Endothelial Cells	31.09	8.68E-113	1.06E-110	6.92
77	Ifi44	Endothelial Cells	31.02	1.43E-115	1.85E-113	6.01
78	Tbxa2r	Endothelial Cells	30.96	5.35E-112	6.45E-110	6.69
79	Igfbp5	Endothelial Cells	30.81	1.82E-113	2.27E-111	6.72
80	Mfge8	Endothelial Cells	30.58	7.31E-132	1.33E-129	3.36
81	Sepp1	Endothelial Cells	30.56	1.57E-131	2.78E-129	3.70
82	Cyp4b1	Endothelial Cells	30.51	6.69E-109	7.80E-107	7.81
83	Tspan15	Endothelial Cells	30.47	9.90E-114	1.25E-111	5.41
84	F2r	Endothelial Cells	30.07	3.24E-121	4.59E-119	4.02
85	Lims2	Endothelial Cells	29.98	3.17E-109	3.72E-107	6.30
86	Ednrb	Endothelial Cells	29.96	6.28E-108	7.27E-106	6.80
87	Slc29a1	Endothelial Cells	29.78	2.66E-131	4.60E-129	3.01
88	Ehd4	Endothelial Cells	29.72	1.18E-131	2.12E-129	3.41
89	Tmem88	Endothelial Cells	29.49	3.64E-119	4.85E-117	4.71
90	Abcg2	Endothelial Cells	29.44	3.49E-113	4.33E-111	4.81
91	Rbms1	Endothelial Cells	28.96	1.21E-126	1.97E-124	2.86
92	Ushbp1	Endothelial Cells	28.96	5.28E-104	5.69E-102	6.71
93	Cyrr1	Endothelial Cells	28.89	5.89E-104	6.29E-102	6.48
94	Eva1b	Endothelial Cells	28.86	7.20E-123	1.04E-120	3.07
95	Cmtm8	Endothelial Cells	28.80	2.20E-104	2.42E-102	5.89
96	Adgrf5	Endothelial Cells	28.65	2.90E-103	3.00E-101	6.34
97	Tcf4	Endothelial Cells	28.46	1.93E-124	2.88E-122	2.38
98	B2m	Endothelial Cells	28.45	4.35E-104	4.72E-102	2.88
99	Igfbp3	Endothelial Cells	28.29	1.63E-102	1.67E-100	6.32
100	Timp3	Endothelial Cells	28.26	1.96E-119	2.66E-117	2.74
1	Ncam1	Medullar Cells	25.97	1.24E-39	1.73E-35	6.92
2	Hand2	Medullar Cells	21.76	9.00E-31	6.30E-27	10.74
3	Pcsk1n	Medullar Cells	19.76	9.55E-29	4.45E-25	9.39
4	Chgb	Medullar Cells	16.36	1.39E-24	3.24E-21	9.72
5	C1ql1	Medullar Cells	15.60	3.85E-23	7.12E-20	9.70
6	Scg2	Medullar Cells	15.58	4.07E-23	7.12E-20	10.49
7	Chga	Medullar Cells	14.67	4.81E-22	6.73E-19	9.56
8	Gm2115	Medullar Cells	14.56	1.00E-21	1.28E-18	8.38
9	Cd9	Medullar Cells	14.21	1.25E-27	4.39E-24	3.54
10	Resp18	Medullar Cells	14.11	5.72E-21	6.16E-18	9.79
11	Dlk1	Medullar Cells	14.10	5.28E-21	6.16E-18	9.97
12	Dbh	Medullar Cells	13.56	3.68E-20	2.86E-17	10.14
13	Npy	Medullar Cells	13.29	7.35E-20	5.42E-17	9.22
14	Ndufa4l2	Medullar Cells	13.12	1.14E-19	7.63E-17	8.82
15	Cyb561	Medullar Cells	12.81	2.06E-20	1.74E-17	5.00
16	Snap25	Medullar Cells	12.26	2.87E-18	1.54E-15	8.19
17	Nap1l5	Medullar Cells	12.21	3.98E-18	1.99E-15	8.87

18	Th	Medullar Cells	12.01	8.62E-18	3.85E-15	9.70
19	Zcchc18	Medullar Cells	12.00	7.12E-18	3.44E-15	8.57
20	Tppp3	Medullar Cells	11.82	9.79E-18	4.15E-15	7.22
21	Nnat	Medullar Cells	11.68	2.42E-17	9.95E-15	8.55
22	Prnp	Medullar Cells	11.64	8.90E-21	8.90E-18	3.14
23	Ddc	Medullar Cells	11.56	3.37E-17	1.27E-14	7.63
24	Phox2a	Medullar Cells	11.36	9.95E-17	3.32E-14	9.98
25	Tuba1a	Medullar Cells	11.29	2.12E-20	1.74E-17	3.43
26	1500009L16Rik	Medullar Cells	11.28	9.75E-17	3.32E-14	7.52
27	Stmn2	Medullar Cells	10.93	4.44E-16	1.32E-13	9.11
28	Syn2	Medullar Cells	10.67	1.11E-15	2.88E-13	8.63
29	Epha5	Medullar Cells	10.64	1.45E-15	3.69E-13	9.55
30	Scg5	Medullar Cells	10.55	2.05E-16	6.36E-14	4.63
31	Scg3	Medullar Cells	10.54	2.14E-15	5.25E-13	10.17
32	Slco3a1	Medullar Cells	10.39	5.36E-16	1.50E-13	5.04
33	Gria2	Medullar Cells	10.36	4.38E-15	1.04E-12	10.35
34	Bex2	Medullar Cells	10.32	2.08E-15	5.19E-13	5.68
35	Gal	Medullar Cells	10.30	5.05E-15	1.18E-12	9.27
36	Eef1a2	Medullar Cells	10.22	6.96E-15	1.60E-12	9.15
37	Lsamp	Medullar Cells	10.05	1.33E-14	2.88E-12	9.50
38	Cox8b	Medullar Cells	9.98	1.67E-14	3.50E-12	8.90
39	Stmn3	Medullar Cells	9.94	1.96E-14	4.03E-12	8.60
40	Syt4	Medullar Cells	9.90	2.34E-14	4.75E-12	9.31
41	Gpr22	Medullar Cells	9.89	2.53E-14	5.07E-12	10.29
42	Snhg11	Medullar Cells	9.82	3.05E-14	5.69E-12	8.49
43	Pclo	Medullar Cells	9.80	3.47E-14	6.30E-12	8.72
44	Chrna3	Medullar Cells	9.80	3.73E-14	6.44E-12	10.51
45	Phox2b	Medullar Cells	9.75	4.36E-14	7.27E-12	10.11
46	Ptpn	Medullar Cells	9.75	3.52E-14	6.32E-12	7.15
47	Slc18a1	Medullar Cells	9.67	5.67E-14	8.92E-12	8.90
48	Cxcl14	Medullar Cells	9.53	7.45E-15	1.68E-12	4.92
49	Rab3c	Medullar Cells	9.50	1.17E-13	1.73E-11	10.15
50	Mat2a	Medullar Cells	9.39	4.90E-16	1.40E-13	2.17
51	Syt1	Medullar Cells	9.38	1.86E-13	2.63E-11	10.67
52	Pcbd1	Medullar Cells	9.38	3.78E-14	6.44E-12	4.44
53	Celf4	Medullar Cells	9.35	1.00E-13	1.52E-11	6.03
54	Tmod2	Medullar Cells	9.29	2.61E-13	3.51E-11	9.38
55	Cntnap5a	Medullar Cells	9.15	4.70E-13	5.87E-11	11.01
56	Nsg2	Medullar Cells	9.11	5.37E-13	6.59E-11	10.29
57	Fam19a1	Medullar Cells	9.08	6.19E-13	7.47E-11	10.36
58	Slc22a17	Medullar Cells	9.05	3.09E-14	5.69E-12	3.28
59	Gnas	Medullar Cells	8.98	1.00E-14	2.23E-12	1.66
60	Tlx2	Medullar Cells	8.95	1.00E-12	1.18E-10	10.11

61	Rtn1	Medullar Cells	8.90	3.60E-13	4.71E-11	5.14
62	Ptprz1	Medullar Cells	8.87	1.38E-12	1.57E-10	9.73
63	Stmn1	Medullar Cells	8.81	2.64E-14	5.20E-12	3.75
64	S100a6	Medullar Cells	8.79	8.18E-14	1.26E-11	4.22
65	Nt5dc2	Medullar Cells	8.74	5.48E-13	6.67E-11	4.62
66	Tspan7	Medullar Cells	8.70	5.40E-14	8.59E-12	2.82
67	Nsg1	Medullar Cells	8.56	1.35E-12	1.55E-10	4.81
68	Mfap2	Medullar Cells	8.49	3.78E-12	3.89E-10	6.36
69	Rgs5	Medullar Cells	8.38	8.36E-12	8.13E-10	8.27
70	Uchl1	Medullar Cells	8.23	3.28E-12	3.45E-10	3.84
71	Cadm1	Medullar Cells	8.22	3.59E-13	4.71E-11	3.05
72	6330403K07Rik	Medullar Cells	8.21	9.18E-12	8.85E-10	4.86
73	Riad1	Medullar Cells	8.07	2.70E-11	2.25E-09	6.67
74	Gprasp2	Medullar Cells	8.07	1.25E-11	1.18E-09	4.34
75	Rab3b	Medullar Cells	8.07	3.25E-11	2.69E-09	9.61
76	Celf3	Medullar Cells	7.99	4.44E-11	3.51E-09	10.35
77	Parm1	Medullar Cells	7.98	6.88E-12	6.87E-10	3.51
78	Lgr5	Medullar Cells	7.98	4.33E-11	3.48E-09	8.30
79	Kcnk2	Medullar Cells	7.98	2.17E-11	1.85E-09	4.75
80	L1cam	Medullar Cells	7.93	5.35E-11	4.18E-09	8.56
81	Snap91	Medullar Cells	7.92	2.52E-11	2.13E-09	4.61
82	Peg3	Medullar Cells	7.90	2.04E-11	1.75E-09	3.95
83	Slc18a2	Medullar Cells	7.90	5.92E-11	4.55E-09	8.14
84	Lix1	Medullar Cells	7.88	5.54E-11	4.28E-09	6.48
85	Snrpn	Medullar Cells	7.79	1.20E-11	1.14E-09	2.94
86	Ramp1	Medullar Cells	7.78	8.12E-12	8.00E-10	3.71
87	Dusp26	Medullar Cells	7.78	9.54E-11	6.99E-09	7.97
88	Efemp1	Medullar Cells	7.74	1.17E-10	8.46E-09	9.17
89	Mab21l2	Medullar Cells	7.64	1.79E-10	1.23E-08	9.03
90	Slc10a4	Medullar Cells	7.63	1.85E-10	1.26E-08	9.11
91	Rsrp1	Medullar Cells	7.62	9.23E-12	8.85E-10	1.41
92	Eml5	Medullar Cells	7.62	1.52E-10	1.07E-08	5.77
93	Pnmal2	Medullar Cells	7.61	4.31E-11	3.48E-09	3.23
94	Gucy1a3	Medullar Cells	7.53	2.15E-10	1.44E-08	6.69
95	Fam171b	Medullar Cells	7.52	2.84E-10	1.80E-08	8.98
96	Tmem59l	Medullar Cells	7.52	2.98E-10	1.88E-08	11.58
97	Soga3	Medullar Cells	7.47	3.52E-10	2.20E-08	11.18
98	Cdh2	Medullar Cells	7.45	3.58E-11	2.93E-09	2.51
99	Gata3	Medullar Cells	7.42	4.17E-10	2.55E-08	9.00
100	Adrbk2	Medullar Cells	7.41	7.61E-11	5.76E-09	3.93
1	Tmsb10	Unknown	22.78	7.32E-41	1.02E-36	5.42
2	Selplg	Unknown	15.15	1.53E-26	1.07E-22	5.23

3	Cd52	Unknown	15.10	2.46E-25	1.15E-21	5.33
4	Rac2	Unknown	14.55	3.28E-25	1.15E-21	5.27
5	Rpl18a	Unknown	12.69	1.86E-22	4.34E-19	1.66
6	Btg1	Unknown	12.05	3.60E-21	6.29E-18	3.41
7	Sh3bgrl3	Unknown	11.65	7.34E-18	6.04E-15	2.74
8	Tmsb4x	Unknown	11.29	7.61E-17	4.22E-14	4.59
9	Ptpn18	Unknown	11.24	2.14E-19	2.99E-16	4.06
10	Rps11	Unknown	10.91	1.06E-18	1.35E-15	1.41
11	Rpl32	Unknown	10.83	3.04E-18	2.84E-15	1.40
12	Rps9	Unknown	10.80	2.89E-18	2.84E-15	1.46
13	Rplp0	Unknown	10.77	2.88E-18	2.84E-15	1.59
14	Coro1a	Unknown	10.76	2.53E-18	2.84E-15	4.26
15	Rpl13a	Unknown	10.38	1.46E-17	1.08E-14	1.12
16	Rps16	Unknown	10.31	2.20E-17	1.54E-14	1.31
17	Pabpc1	Unknown	10.28	3.23E-17	2.15E-14	2.47
18	Fau	Unknown	10.25	5.91E-17	3.76E-14	1.39
19	Rps3	Unknown	10.05	7.83E-17	4.22E-14	1.17
20	Crip1	Unknown	10.05	1.66E-16	8.03E-14	4.40
21	Rpl19	Unknown	9.97	1.14E-16	5.93E-14	1.19
22	Zfp36l2	Unknown	9.92	5.56E-16	2.10E-13	4.23
23	Rpsa	Unknown	9.89	2.41E-16	1.09E-13	1.50
24	Rps7	Unknown	9.89	1.73E-16	8.07E-14	1.38
25	Rpl13	Unknown	9.85	3.88E-16	1.60E-13	1.30
26	Arhgdib	Unknown	9.81	4.58E-16	1.83E-13	4.03
27	Rps13	Unknown	9.79	2.99E-16	1.31E-13	1.34
28	Hmgb2	Unknown	9.72	7.43E-16	2.54E-13	3.87
29	Ptprc	Unknown	9.69	5.00E-16	1.95E-13	3.79
30	Rpl27	Unknown	9.67	7.44E-16	2.54E-13	1.50
31	Rplp2	Unknown	9.62	6.78E-16	2.43E-13	1.27
32	Rpl17	Unknown	9.59	8.06E-16	2.62E-13	1.29
33	Rgs1	Unknown	9.45	2.43E-15	6.84E-13	4.62
34	Stk17b	Unknown	9.43	3.08E-15	8.32E-13	3.98
35	Rpl4	Unknown	9.42	2.09E-15	6.09E-13	1.34
36	Rpl18	Unknown	9.41	1.97E-15	6.01E-13	1.24
37	Rps27	Unknown	9.41	2.44E-15	6.84E-13	1.17
38	H2-D1	Unknown	9.39	1.98E-13	3.29E-11	3.01
39	Klrd1	Unknown	9.35	1.37E-12	1.88E-10	10.07
40	Rps6	Unknown	9.34	3.09E-15	8.32E-13	1.21
41	Tyrobp	Unknown	9.32	4.52E-15	1.13E-12	4.37
42	Rps15a	Unknown	9.31	3.31E-15	8.74E-13	1.29
43	Vim	Unknown	9.22	7.36E-14	1.32E-11	4.08
44	Rps23	Unknown	9.21	5.48E-15	1.32E-12	1.11
45	Fxyd5	Unknown	9.10	9.23E-15	2.12E-12	3.59

46	Rpl36	Unknown	8.98	1.69E-14	3.65E-12	1.16
47	Rpl23a	Unknown	8.98	1.76E-14	3.73E-12	1.17
48	Gm9844	Unknown	8.95	1.62E-12	2.12E-10	5.10
49	B2m	Unknown	8.92	1.04E-12	1.45E-10	2.70
50	Srgn	Unknown	8.91	3.67E-14	7.34E-12	3.61
51	Rps4x	Unknown	8.88	2.87E-14	5.90E-12	1.24
52	Rps29	Unknown	8.81	4.07E-14	8.03E-12	1.25
53	Rbm3	Unknown	8.77	4.92E-14	9.30E-12	2.53
54	Rpl37a	Unknown	8.76	5.42E-14	1.01E-11	1.00
55	Cnn2	Unknown	8.72	4.38E-13	6.97E-11	3.93
56	S100a6	Unknown	8.67	1.33E-12	1.85E-10	4.83
57	Itgb7	Unknown	8.52	2.06E-11	2.01E-09	7.59
58	Sub1	Unknown	8.41	4.89E-13	7.69E-11	2.06
59	Rpl8	Unknown	8.37	3.62E-13	5.89E-11	1.07
60	Lsp1	Unknown	8.37	1.45E-12	1.95E-10	4.24
61	Gpr171	Unknown	8.31	4.87E-11	4.26E-09	8.83
62	Tsc22d3	Unknown	8.29	5.95E-13	9.06E-11	3.14
63	H2-K1	Unknown	8.29	9.86E-13	1.39E-10	2.33
64	Ptprcap	Unknown	8.29	5.75E-11	4.97E-09	9.57
65	Uba52	Unknown	8.28	5.93E-13	9.06E-11	1.48
66	Hcst	Unknown	8.27	2.29E-11	2.21E-09	5.47
67	Cd53	Unknown	8.19	1.65E-12	2.13E-10	3.79
68	Rps3a1	Unknown	8.10	1.40E-12	1.90E-10	1.09
69	Klrk1	Unknown	8.06	1.30E-10	9.94E-09	9.84
70	Rps26	Unknown	8.04	1.90E-12	2.41E-10	1.36
71	Rplp1	Unknown	8.03	1.98E-12	2.49E-10	1.05
72	Rpl35	Unknown	7.98	2.83E-12	3.50E-10	0.99
73	Rpl5	Unknown	7.96	3.01E-12	3.66E-10	1.24
74	Rpl39	Unknown	7.93	3.20E-12	3.86E-10	1.06
75	Rps5	Unknown	7.91	3.62E-12	4.33E-10	1.05
76	Pfn1	Unknown	7.86	5.58E-12	6.40E-10	1.31
77	Rpl34	Unknown	7.86	4.64E-12	5.51E-10	1.01
78	Arpc1b	Unknown	7.84	7.42E-12	8.17E-10	2.23
79	Epsti1	Unknown	7.72	2.14E-11	2.08E-09	3.66
80	Rpl10	Unknown	7.68	1.11E-11	1.20E-09	1.00
81	Sec11c	Unknown	7.65	2.02E-11	1.99E-09	2.45
82	Cd7	Unknown	7.64	5.81E-10	3.84E-08	10.97
83	Rps19	Unknown	7.61	1.54E-11	1.60E-09	0.95
84	Rpl41	Unknown	7.59	1.82E-11	1.84E-09	0.79
85	Rpl12	Unknown	7.57	1.86E-11	1.86E-09	1.42
86	Eef1a1	Unknown	7.56	2.00E-11	1.98E-09	0.84
87	H3f3b	Unknown	7.50	6.44E-11	5.43E-09	2.04
88	Actg1	Unknown	7.46	3.66E-11	3.39E-09	1.61

89	Rps18	Unknown	7.46	8.03E-11	6.65E-09	1.25
90	Ctsw	Unknown	7.39	1.45E-09	8.92E-08	9.99
91	Rpl14	Unknown	7.37	6.95E-11	5.83E-09	1.01
92	Dusp2	Unknown	7.34	1.03E-10	8.19E-09	4.00
93	Bcl2l11	Unknown	7.33	3.52E-10	2.50E-08	3.78
94	Akap13	Unknown	7.33	1.25E-10	9.70E-09	2.69
95	Rpl11	Unknown	7.30	7.15E-11	5.96E-09	0.81
96	Nkg7	Unknown	7.28	2.08E-09	1.24E-07	9.59
97	Ddx5	Unknown	7.27	9.72E-11	7.82E-09	1.32
98	Ifngr1	Unknown	7.26	9.38E-11	7.59E-09	2.80
99	Rpl3	Unknown	7.24	9.31E-11	7.58E-09	1.04
100	Shisa5	Unknown	7.24	1.56E-10	1.18E-08	2.44
1	Sparcl1	Capsular Cells	14.03	3.47E-18	4.85E-14	7.93
2	Cald1	Capsular Cells	11.33	9.19E-17	6.43E-13	5.26
3	Crip2	Capsular Cells	10.45	2.62E-16	1.22E-12	4.68
4	Vim	Capsular Cells	10.22	6.55E-15	2.29E-11	4.54
5	Tm4sf1	Capsular Cells	9.57	6.47E-14	9.54E-11	5.44
6	Sept11	Capsular Cells	9.42	1.69E-13	2.15E-10	4.42
7	Id3	Capsular Cells	9.13	3.25E-14	7.59E-11	3.75
8	Gng11	Capsular Cells	9.07	5.75E-14	9.54E-11	4.11
9	Rbp1	Capsular Cells	8.64	3.27E-11	1.63E-08	6.10
10	S100a11	Capsular Cells	8.52	5.76E-13	5.76E-10	2.58
11	Crip1	Capsular Cells	8.49	1.81E-12	1.33E-09	4.43
12	S100a6	Capsular Cells	8.49	2.93E-12	2.05E-09	4.38
13	Cd200	Capsular Cells	8.47	1.55E-12	1.21E-09	4.09
14	Plat	Capsular Cells	8.44	5.16E-11	2.26E-08	5.95
15	Txnip	Capsular Cells	8.43	1.18E-12	9.68E-10	2.72
16	Prss23	Capsular Cells	8.43	1.10E-10	4.17E-08	7.01
17	Epas1	Capsular Cells	8.34	9.99E-12	5.38E-09	3.75
18	Sox17	Capsular Cells	8.17	1.72E-10	6.17E-08	6.35
19	Id1	Capsular Cells	8.15	7.94E-12	4.63E-09	3.71
20	Gja4	Capsular Cells	8.09	3.64E-10	1.16E-07	8.42
21	Ifitm3	Capsular Cells	8.01	6.85E-12	4.17E-09	2.46
22	S100a16	Capsular Cells	7.51	9.15E-11	3.66E-08	3.66
23	Ebf1	Capsular Cells	7.50	2.40E-10	8.19E-08	3.37
24	Slc9a3r2	Capsular Cells	7.43	2.58E-10	8.60E-08	4.09
25	Mgp	Capsular Cells	7.37	4.11E-09	9.76E-07	8.80
26	Selm	Capsular Cells	7.36	1.23E-10	4.51E-08	2.64
27	Mecom	Capsular Cells	7.31	4.77E-09	1.11E-06	8.03
28	Mpzl1	Capsular Cells	7.26	8.16E-10	2.33E-07	3.76
29	Fbln5	Capsular Cells	7.19	5.10E-09	1.15E-06	6.72
30	Igfbp4	Capsular Cells	7.12	7.85E-10	2.29E-07	3.76

31	Dkk2	Capsular Cells	6.96	1.19E-08	2.17E-06	6.41
32	Rhoj	Capsular Cells	6.88	9.21E-09	1.80E-06	4.86
33	Prkcdbp	Capsular Cells	6.82	1.41E-09	3.94E-07	2.53
34	Serpine2	Capsular Cells	6.79	1.62E-08	2.81E-06	5.59
35	Nrp1	Capsular Cells	6.72	2.13E-09	5.61E-07	3.18
36	Abcg2	Capsular Cells	6.66	1.08E-08	1.98E-06	3.86
37	Cdh5	Capsular Cells	6.66	9.38E-09	1.80E-06	4.04
38	Esam	Capsular Cells	6.65	6.00E-09	1.29E-06	3.74
39	Ptprb	Capsular Cells	6.63	8.39E-09	1.73E-06	3.24
40	Aqp1	Capsular Cells	6.62	4.95E-08	7.57E-06	9.64
41	Ramp2	Capsular Cells	6.61	5.79E-09	1.29E-06	3.67
42	Tinag1	Capsular Cells	6.59	5.02E-09	1.15E-06	2.70
43	Thbd	Capsular Cells	6.56	1.34E-08	2.36E-06	4.01
44	Capn2	Capsular Cells	6.55	6.01E-09	1.29E-06	2.77
45	Eng	Capsular Cells	6.47	8.10E-09	1.69E-06	3.43
46	Ly6c1	Capsular Cells	6.46	1.35E-08	2.36E-06	4.24
47	Tshz2	Capsular Cells	6.43	1.05E-08	1.96E-06	3.03
48	Flt1	Capsular Cells	6.38	1.78E-08	2.97E-06	3.87
49	Ly6a	Capsular Cells	6.35	2.26E-08	3.64E-06	4.12
50	Sdpr	Capsular Cells	6.33	4.99E-08	7.57E-06	4.59
51	Rarres2	Capsular Cells	6.29	1.14E-07	1.39E-05	5.75
52	Prom1	Capsular Cells	6.27	1.58E-07	1.76E-05	9.60
53	Mal	Capsular Cells	6.16	1.14E-07	1.39E-05	3.63
54	S1pr1	Capsular Cells	6.15	8.42E-08	1.15E-05	4.06
55	Sncg	Capsular Cells	6.11	1.71E-07	1.85E-05	4.99
56	Rgs3	Capsular Cells	6.11	9.53E-08	1.26E-05	3.91
57	Fstl1	Capsular Cells	6.09	1.29E-07	1.49E-05	4.04
58	Mylk	Capsular Cells	6.06	2.72E-07	2.82E-05	6.10
59	Pltp	Capsular Cells	6.06	1.33E-07	1.52E-05	4.21
60	Csrp1	Capsular Cells	6.03	1.27E-07	1.49E-05	3.46
61	Rgs7bp	Capsular Cells	5.96	4.11E-07	4.08E-05	6.61
62	Kitl	Capsular Cells	5.96	1.26E-07	1.49E-05	3.06
63	Tmem204	Capsular Cells	5.96	8.55E-08	1.15E-05	3.35
64	Ecsr	Capsular Cells	5.89	1.59E-07	1.76E-05	3.63
65	Gas6	Capsular Cells	5.89	1.62E-07	1.79E-05	3.09
66	Ltbp4	Capsular Cells	5.88	2.21E-07	2.36E-05	3.99
67	Kctd10	Capsular Cells	5.86	1.54E-07	1.74E-05	2.80
68	Timp3	Capsular Cells	5.81	1.11E-07	1.39E-05	2.13
69	Aqp11	Capsular Cells	5.79	6.15E-07	5.70E-05	5.17
70	Npnt	Capsular Cells	5.76	8.48E-07	7.23E-05	8.12
71	Mmrn2	Capsular Cells	5.76	2.44E-07	2.59E-05	3.57
72	Sgms1	Capsular Cells	5.76	3.46E-07	3.50E-05	3.27
73	Adamts1	Capsular Cells	5.75	8.34E-07	7.16E-05	7.32



74	Cav1	Capsular Cells	5.72	6.98E-07	6.22E-05	5.19
75	Ahnak	Capsular Cells	5.72	2.54E-07	2.67E-05	2.56
76	Ablim1	Capsular Cells	5.71	7.14E-07	6.25E-05	4.69
77	Jag1	Capsular Cells	5.70	7.66E-07	6.62E-05	5.36
78	Myl9	Capsular Cells	5.65	1.20E-06	9.22E-05	7.20
79	Igfbp3	Capsular Cells	5.64	3.04E-07	3.11E-05	3.48
80	Pecam1	Capsular Cells	5.64	2.95E-07	3.04E-05	3.23
81	Scin	Capsular Cells	5.63	1.34E-06	1.01E-04	9.83
82	4930523C07Rik	Capsular Cells	5.60	5.37E-07	5.19E-05	3.12
83	Sema3g	Capsular Cells	5.59	1.19E-06	9.17E-05	5.57
84	Luzp1	Capsular Cells	5.53	4.68E-07	4.61E-05	2.44
85	Dnm3	Capsular Cells	5.51	1.06E-06	8.61E-05	3.67
86	Lims2	Capsular Cells	5.51	5.69E-07	5.42E-05	3.24
87	Ptma	Capsular Cells	5.50	5.01E-07	4.87E-05	1.04
88	Clic5	Capsular Cells	5.45	1.27E-06	9.63E-05	4.05
89	Gata2	Capsular Cells	5.44	1.56E-06	1.13E-04	4.51
90	Cnn2	Capsular Cells	5.44	6.13E-07	5.70E-05	2.74
91	Tpm4	Capsular Cells	5.40	6.50E-07	5.87E-05	1.67
92	Jam2	Capsular Cells	5.38	1.68E-06	1.21E-04	3.64
93	Adam15	Capsular Cells	5.38	9.31E-07	7.80E-05	2.68
94	Golim4	Capsular Cells	5.37	1.18E-06	9.16E-05	2.59
95	Cd34	Capsular Cells	5.36	1.16E-06	9.09E-05	3.42
96	Pls3	Capsular Cells	5.34	1.13E-06	8.88E-05	2.38
97	Cbfa2t3	Capsular Cells	5.34	1.40E-06	1.03E-04	3.28
98	Podxl	Capsular Cells	5.33	1.76E-06	1.23E-04	3.64
99	Sptbn1	Capsular Cells	5.33	9.47E-07	7.89E-05	2.04
100	Tspan8	Capsular Cells	5.32	3.75E-06	2.22E-04	9.06

**Table S4:** List of differentially expressed genes (DEGs) per cell type in the PVN

Differentially Expressed Genes - PVN						
#	gene	Cell Type	log2FC	qval	meanExprStress	meanExprCtrl
1	Dnajib1	Glutamatergic Neurons 2	1.441	0.002	1.960	1.168
2	Hspa1a	Glutamatergic Neurons 2	1.254	0.014	2.001	1.161
3	Gm10076	Glutamatergic Neurons 2	-0.314	0.025	1.410	1.625
1	Rcan2	GABAergic Neurons 1	0.249	1.08E-05	1.675	1.519
2	Rps28	GABAergic Neurons 1	0.123	2.17E-05	1.622	1.472
3	Gm10076	GABAergic Neurons 1	-0.274	2.95E-04	1.069	1.236
4	Usmg5	GABAergic Neurons 1	0.182	0.001	2.412	2.285
5	Rtn1	GABAergic Neurons 1	0.117	0.006	3.408	3.313
6	Cirbp	GABAergic Neurons 1	-0.133	0.007	1.423	1.544
7	mt-Nd3	GABAergic Neurons 1	0.283	0.017	1.183	1.034
8	Ndufa1	GABAergic Neurons 1	0.277	0.025	1.414	1.280
9	Ssb	GABAergic Neurons 1	-0.109	0.025	1.004	0.926
10	Cadm1	GABAergic Neurons 1	0.202	0.029	1.469	1.324
11	Syt1	GABAergic Neurons 1	0.316	0.046	1.960	1.758
1	Hspa1a	GABAergic Neurons 2	1.031	0.002	2.181	1.545
2	Rps28	GABAergic Neurons 2	0.283	0.002	1.889	1.684
1	Cd81	Mixed Neurons	-0.272	9.55E-06	2.241	2.457
2	Rcan2	Mixed Neurons	0.253	9.57E-05	1.504	1.310
3	Slc32a1	Mixed Neurons	0.261	0.001	1.312	1.130
1	Hsp90ab1	Oligodendrocytes 1	0.515	1.63972E-18	2.799	2.447
2	Hsp90aa1	Oligodendrocytes 1	0.420	1.04387E-12	2.920	2.631
3	Rtn1	Oligodendrocytes 1	0.350	6.50468E-09	2.252	1.984
4	Gstp1	Oligodendrocytes 1	-0.368	2.21477E-06	1.746	2.063
5	Cryab	Oligodendrocytes 1	0.193	1.87054E-05	4.000	3.867
6	Hspa8	Oligodendrocytes 1	0.248	2.15E-04	3.063	2.902
7	Rps29	Oligodendrocytes 1	0.291	0.004	2.154	1.968
8	Plp1	Oligodendrocytes 1	-0.094	0.006	6.163	6.231
9	Dnaja1	Oligodendrocytes 1	0.237	0.011	1.297	1.051
10	Cacybp	Oligodendrocytes 1	0.231	0.013	1.037	0.809
11	Pfn1	Oligodendrocytes 1	0.177	0.042	1.801	1.602
12	Fkbp4	Oligodendrocytes 1	0.205	0.042	1.083	0.924
1	Hsp90ab1	Oligodendrocytes 2	0.546	1.80E-08	3.366	2.984
2	Hsp90aa1	Oligodendrocytes 2	0.497	9.34E-06	3.653	3.302
3	Rtn1	Oligodendrocytes 2	0.436	4.39E-05	2.397	2.036
4	Gstp1	Oligodendrocytes 2	-0.538	5.96E-05	1.787	2.158
5	Dnaja1	Oligodendrocytes 2	0.401	0.013	1.609	1.204
6	Dnajib1	Oligodendrocytes 2	0.766	0.021	2.606	1.962
1	Hsp90aa1	OPCs	0.413	0.035	2.260	1.951
1	Hspa1a	Microglia	0.831	0.004	2.145	1.385
2	Rpl14	Microglia	-0.435	0.004	2.236	2.651

3	Nfkbia	Microglia	-0.748	0.006	2.101	2.971
4	Dnaja1	Microglia	0.355	0.009	1.497	1.129
5	Ctsc	Microglia	0.409	0.021	1.940	1.679
6	Hspe1	Microglia	0.252	0.021	1.161	0.802
7	Rps23	Microglia	-0.367	0.023	2.890	3.194
8	Junb	Microglia	-0.665	0.025	2.817	3.418
9	Gatm	Microglia	-0.317	0.038	0.746	1.171
10	Rpl19	Microglia	-0.334	0.040	2.299	2.536
1	Hsp90ab1	Ependymal Cells	0.482	2.27E-10	3.173	2.839
2	Hsp90aa1	Ependymal Cells	0.422	7.21E-08	3.902	3.608
3	Hspe1	Ependymal Cells	0.501	3.71E-05	1.876	1.503
4	Dnajb1	Ependymal Cells	0.783	2.01E-04	1.455	0.929
5	Dnaja1	Ependymal Cells	0.437	0.001	1.717	1.410
6	Cyr61	Ependymal Cells	0.785	0.016	1.747	1.218
1	Dnaja1	Endothelial	0.587	2.63E-13	2.005	1.541
2	Hspa8	Endothelial	0.517	7.37E-12	3.235	2.857
3	Hsp90ab1	Endothelial	0.439	3.12E-09	2.957	2.669
4	Hspa1a	Endothelial	0.824	5.88E-08	2.872	2.298
5	Hspb1	Endothelial	0.528	1.28E-07	2.958	2.604
6	Rtn1	Endothelial	0.355	1.87E-05	2.164	1.917
7	Hsp90aa1	Endothelial	0.443	3.42E-05	1.902	1.560
8	Fkbp4	Endothelial	0.359	3.59E-04	1.184	0.952
9	Rps27rt	Endothelial	0.340	0.010	1.060	0.813
10	Rbm3	Endothelial	-0.308	0.012	0.839	1.130
11	Rcan2	Endothelial	0.307	0.016	1.261	1.062
12	Vwa1	Endothelial	0.226	0.048	2.360	2.206

**Table S5:** List of differentially expressed genes (DEGs) per cell type in the pituitary gland

Differentially Expressed Genes - Pituitary						
#	gene	Cell Type	log2FC	qval	meanExprStress	meanExprCtrl
1	Rpl37	Somatotropes 1	-0.338	1.39E-58	2.755	2.991
2	Gm10076	Somatotropes 1	-0.521	2.79E-57	1.430	1.786
3	Rps27	Somatotropes 1	-0.351	6.79E-57	2.631	2.877
4	Cd63	Somatotropes 1	0.564	1.41E-50	1.873	1.479
5	Rps29	Somatotropes 1	-0.311	1.31E-47	2.634	2.852
6	Hsp90ab1	Somatotropes 1	0.458	5.76E-44	1.963	1.644
7	Gh	Somatotropes 1	0.450	2.27E-41	8.788	8.472
8	Dlk1	Somatotropes 1	0.343	2.27E-41	3.428	3.181
9	Ubb	Somatotropes 1	0.336	6.26E-40	3.105	2.869
10	Calm1	Somatotropes 1	0.502	9.79E-39	1.753	1.403
11	Dbi	Somatotropes 1	0.559	2.77E-35	1.044	0.642
12	Rpl37a	Somatotropes 1	-0.238	1.12E-34	2.877	3.043
13	Dad1	Somatotropes 1	0.371	5.04E-33	1.883	1.619
14	Atp5g1	Somatotropes 1	0.372	1.26E-29	2.100	1.837
15	Ssr4	Somatotropes 1	0.426	8.41E-29	1.548	1.255
16	Tpt1	Somatotropes 1	0.274	1.11E-25	2.469	2.277
17	Resp18	Somatotropes 1	0.396	1.72E-25	2.384	2.098
18	Nme1	Somatotropes 1	0.390	2.09E-25	1.420	1.155
19	Hsp90aa1	Somatotropes 1	0.431	1.32E-24	1.301	1.014
20	Tspan13	Somatotropes 1	0.399	1.06E-23	1.369	1.103
21	Hspe1	Somatotropes 1	0.410	1.34E-23	1.313	1.039
22	Rpl35	Somatotropes 1	-0.283	2.11E-21	1.871	2.069
23	Tmbim4	Somatotropes 1	0.369	2.53E-20	1.027	0.774
24	B2m	Somatotropes 1	0.687	2.88E-20	1.860	1.383
25	Jund	Somatotropes 1	0.395	1.64E-19	1.595	1.327
26	Rpl36	Somatotropes 1	-0.227	2.31E-16	2.234	2.393
27	Rps28	Somatotropes 1	-0.258	5.45E-16	1.823	2.002
28	Gabarap	Somatotropes 1	0.241	1.40E-14	1.881	1.713
29	Selk	Somatotropes 1	0.242	1.50E-14	1.980	1.810
30	Cox4i1	Somatotropes 1	0.237	4.89E-14	1.933	1.766
31	Dynll1	Somatotropes 1	0.334	5.79E-14	1.478	1.253
32	Spcs1	Somatotropes 1	0.264	6.43E-14	1.663	1.479
33	Atp5h	Somatotropes 1	0.283	1.57E-13	1.426	1.236
34	Gpx3	Somatotropes 1	0.272	3.52E-12	1.634	1.437
35	Cnpy2	Somatotropes 1	0.292	4.53E-12	1.306	1.110
36	Rpl38	Somatotropes 1	-0.197	5.68E-12	2.202	2.337
37	Rpl34	Somatotropes 1	-0.169	6.01E-12	2.527	2.646
38	Rplp0	Somatotropes 1	0.190	9.88E-12	2.534	2.392
39	Cga	Somatotropes 1	0.210	3.84E-11	2.717	2.585
40	Krtcap2	Somatotropes 1	0.283	5.84E-11	1.357	1.168

41	Cope	Somatotropes 1	0.236	3.56E-10	1.187	1.021
42	Psemb1	Somatotropes 1	0.283	6.89E-10	1.218	1.032
43	Cd81	Somatotropes 1	0.248	2.33E-09	1.514	1.350
44	Chchd2	Somatotropes 1	0.192	5.87E-09	2.022	1.888
45	Gapdh	Somatotropes 1	0.284	6.46E-09	1.137	0.947
46	Swi5	Somatotropes 1	0.200	7.76E-09	1.567	1.426
47	Tmem176a	Somatotropes 1	0.278	8.06E-09	1.198	1.016
48	Eif1	Somatotropes 1	0.145	1.07E-08	2.647	2.544
49	Rpl41	Somatotropes 1	-0.103	1.37E-08	3.627	3.697
50	Bsg	Somatotropes 1	0.215	2.44E-08	1.678	1.533
51	2700060E02Rik	Somatotropes 1	0.250	7.42E-08	1.011	0.845
52	Ftl1	Somatotropes 1	0.181	7.81E-08	2.420	2.293
53	Eef2	Somatotropes 1	-0.212	8.83E-08	1.865	2.007
54	Srp9	Somatotropes 1	0.202	8.83E-08	1.396	1.256
55	Cox5b	Somatotropes 1	0.235	1.05E-07	1.186	1.028
56	Uqcrb	Somatotropes 1	0.208	2.05E-07	1.543	1.400
57	Ddx5	Somatotropes 1	-0.229	2.12E-07	1.198	1.351
58	Rpl35a	Somatotropes 1	-0.122	4.38E-07	2.642	2.731
59	Prdx5	Somatotropes 1	0.244	5.02E-07	1.217	1.058
60	Wbp5	Somatotropes 1	0.191	5.77E-07	2.006	1.870
61	Eef1b2	Somatotropes 1	0.227	6.18E-07	1.356	1.200
62	Gpx4	Somatotropes 1	0.227	1.75E-06	1.375	1.222
63	H3f3b	Somatotropes 1	-0.181	2.39E-06	1.828	1.957
64	Prdx2	Somatotropes 1	0.204	3.18E-06	1.093	0.953
65	Rps21	Somatotropes 1	-0.175	3.22E-06	1.859	1.979
66	Prdx1	Somatotropes 1	0.204	6.33E-06	1.642	1.504
67	Eef1g	Somatotropes 1	0.147	6.55E-06	2.279	2.173
68	5330417C22Rik	Somatotropes 1	-0.221	7.58E-06	0.858	1.001
69	Tmem176b	Somatotropes 1	0.220	9.03E-06	1.447	1.301
70	Ostc	Somatotropes 1	0.204	1.16E-05	1.398	1.262
71	Nnat	Somatotropes 1	0.170	1.25E-05	3.672	3.559
72	Atp5j	Somatotropes 1	0.176	1.90E-05	1.669	1.547
73	Mt1	Somatotropes 1	0.253	2.70E-05	1.043	0.874
74	Slc25a3	Somatotropes 1	0.185	4.08E-05	1.392	1.262
75	Hspa8	Somatotropes 1	0.181	4.66E-05	1.847	1.730
76	Manf	Somatotropes 1	0.183	5.51E-05	1.645	1.517
77	Kcnk2	Somatotropes 1	-0.208	8.28E-05	1.010	1.142
78	Ndufa4	Somatotropes 1	0.137	1.06E-04	1.361	1.256
79	Rps11	Somatotropes 1	0.123	1.21E-04	2.276	2.191
80	Sep15	Somatotropes 1	0.093	1.26E-04	1.667	1.594
81	Hmgn1	Somatotropes 1	0.178	1.40E-04	1.282	1.164
82	Ndufa11	Somatotropes 1	0.207	1.46E-04	1.017	0.884
83	Bmyc	Somatotropes 1	0.211	1.46E-04	1.424	1.281

84	Mdh1	Somatotropes 1	0.184	1.46E-04	1.296	1.170
85	S100a10	Somatotropes 1	0.205	1.56E-04	1.259	1.114
86	Fkbp2	Somatotropes 1	0.175	1.58E-04	1.170	1.055
87	Ift20	Somatotropes 1	0.164	2.78E-04	1.012	0.892
88	Ybx1	Somatotropes 1	0.190	3.84E-04	1.279	1.155
89	Serp1	Somatotropes 1	0.194	3.99E-04	1.010	0.878
90	Nop10	Somatotropes 1	0.159	4.02E-04	1.198	1.089
91	Srrm2	Somatotropes 1	0.180	4.38E-04	1.015	0.896
92	Hnrnpk	Somatotropes 1	-0.153	4.84E-04	1.223	1.328
93	Arl3	Somatotropes 1	0.208	4.88E-04	1.009	0.881
94	Rpl36a	Somatotropes 1	-0.128	0.001	2.078	2.166
95	Spint2	Somatotropes 1	0.144	0.001	1.726	1.627
96	Ndufa13	Somatotropes 1	0.171	0.001	1.357	1.242
97	Mageh1	Somatotropes 1	0.181	0.001	1.151	1.032
98	Itm2b	Somatotropes 1	0.119	0.001	2.746	2.664
99	Rpl39	Somatotropes 1	-0.128	0.001	1.921	2.009
100	Sec61b	Somatotropes 1	0.125	0.001	2.004	1.916
101	Rpl7a	Somatotropes 1	0.128	0.002	1.730	1.637
102	Actb	Somatotropes 1	0.220	0.002	1.304	1.157
103	2410015M20Rik	Somatotropes 1	0.174	0.002	1.103	0.986
104	Stmn1	Somatotropes 1	-0.197	0.002	1.371	1.496
105	Psm7	Somatotropes 1	0.155	0.003	1.070	0.962
106	Hmgb1	Somatotropes 1	-0.171	0.003	0.986	1.095
107	Serf2	Somatotropes 1	0.149	0.003	1.607	1.505
108	Rabac1	Somatotropes 1	0.168	0.003	1.429	1.319
109	Rab2a	Somatotropes 1	0.152	0.003	1.273	1.172
110	Sptssa	Somatotropes 1	-0.175	0.003	1.034	1.144
111	Atp5l	Somatotropes 1	0.133	0.004	1.912	1.820
112	Tmed10	Somatotropes 1	0.168	0.004	1.195	1.087
113	Smim14	Somatotropes 1	0.169	0.004	1.276	1.170
114	Oaz1	Somatotropes 1	-0.120	0.004	1.841	1.927
115	Scg5	Somatotropes 1	0.124	0.006	1.715	1.629
116	Cox8a	Somatotropes 1	0.121	0.006	1.910	1.822
117	Cox6c	Somatotropes 1	0.049	0.006	1.642	1.594
118	Atp6v1f	Somatotropes 1	0.136	0.007	1.313	1.222
119	Atp6v0b	Somatotropes 1	0.106	0.007	1.244	1.164
120	Sec62	Somatotropes 1	0.149	0.007	1.305	1.201
121	Med28	Somatotropes 1	0.165	0.007	1.015	0.915
122	Atp6v0e	Somatotropes 1	0.156	0.008	1.049	0.938
123	Vimp	Somatotropes 1	0.152	0.008	1.190	1.087
124	Pomp	Somatotropes 1	0.152	0.010	1.039	0.938
125	Gabarapl2	Somatotropes 1	0.122	0.013	1.539	1.451
126	Tomm7	Somatotropes 1	-0.110	0.013	1.052	1.124

127	Tuba1a	Somatotropes 1	-0.157	0.013	1.257	1.356
128	Pnmal2	Somatotropes 1	-0.133	0.014	1.070	1.161
129	Ier3ip1	Somatotropes 1	0.151	0.014	1.131	1.031
130	mt-Cytb	Somatotropes 1	0.084	0.014	3.307	3.257
131	Ndufb11	Somatotropes 1	0.142	0.019	1.193	1.100
132	Rps16	Somatotropes 1	0.087	0.019	2.425	2.365
133	Rps23	Somatotropes 1	-0.067	0.024	3.133	3.179
134	Htatsf1	Somatotropes 1	-0.133	0.025	1.202	1.290
135	Atpif1	Somatotropes 1	0.127	0.027	1.656	1.568
136	Ndufv3	Somatotropes 1	0.140	0.028	1.324	1.225
137	Meg3	Somatotropes 1	-0.086	0.029	4.147	4.213
138	Hint1	Somatotropes 1	0.107	0.030	1.323	1.246
139	Uqcrh	Somatotropes 1	0.111	0.030	1.719	1.640
140	Slc25a4	Somatotropes 1	0.117	0.030	1.329	1.244
141	mt-Atp6	Somatotropes 1	0.074	0.031	3.707	3.657
142	Atp5e	Somatotropes 1	0.106	0.032	1.824	1.748
143	Rpl3	Somatotropes 1	0.075	0.036	2.951	2.896
144	Rplp2	Somatotropes 1	-0.081	0.036	2.346	2.402
145	Zbtb20	Somatotropes 1	-0.137	0.039	1.315	1.395
146	Rps18	Somatotropes 1	0.067	0.044	2.943	2.894
147	Rpl31	Somatotropes 1	-0.084	0.045	2.157	2.214
148	Psmb2	Somatotropes 1	0.105	0.049	1.199	1.128
1	Gm10076	Somatotropes 2	-0.588	1.16E-48	1.644	2.033
2	Rpl37	Somatotropes 2	-0.330	1.06E-47	2.946	3.174
3	Rps27	Somatotropes 2	-0.353	6.21E-46	2.814	3.059
4	Rps29	Somatotropes 2	-0.325	8.80E-42	2.897	3.121
5	Junb	Somatotropes 2	0.837	3.21E-38	1.021	0.453
6	Ubb	Somatotropes 2	0.412	4.10E-34	2.976	2.690
7	Rpl37a	Somatotropes 2	-0.252	1.34E-30	3.098	3.272
8	Hsp90aa1	Somatotropes 2	0.590	2.91E-29	1.244	0.883
9	B2m	Somatotropes 2	0.871	8.91E-29	2.229	1.662
10	Hsp90ab1	Somatotropes 2	0.439	3.09E-26	1.875	1.580
11	Dbi	Somatotropes 2	0.672	7.68E-25	1.462	1.027
12	Calm1	Somatotropes 2	0.488	1.40E-24	1.917	1.595
13	Dad1	Somatotropes 2	0.376	1.50E-22	2.044	1.786
14	Resp18	Somatotropes 2	0.394	2.35E-21	2.590	2.314
15	Tpt1	Somatotropes 2	0.264	4.46E-21	2.669	2.484
16	Ssr4	Somatotropes 2	0.390	9.83E-20	1.771	1.505
17	Cd63	Somatotropes 2	0.427	1.27E-19	1.977	1.681
18	Spcs1	Somatotropes 2	0.329	2.75E-19	1.794	1.560
19	Hspe1	Somatotropes 2	0.481	2.87E-19	1.428	1.145
20	Dlk1	Somatotropes 2	0.313	3.46E-19	3.535	3.313
21	Rpl38	Somatotropes 2	-0.265	3.53E-19	2.378	2.561

22	Atp5g1	Somatotropes 2	0.316	2.45E-17	2.326	2.106
23	Nme1	Somatotropes 2	0.379	2.32E-15	1.568	1.328
24	Jund	Somatotropes 2	0.366	1.56E-14	1.650	1.398
25	Cnpy2	Somatotropes 2	0.432	6.96E-14	1.454	1.200
26	Eif1	Somatotropes 2	0.206	1.44E-13	2.705	2.564
27	Cox4i1	Somatotropes 2	0.263	6.93E-13	2.112	1.928
28	Vkorc1	Somatotropes 2	0.388	1.02E-12	1.122	0.879
29	Rpl35	Somatotropes 2	-0.241	1.63E-12	2.099	2.265
30	Tspan13	Somatotropes 2	0.317	3.86E-12	1.407	1.193
31	Gapdh	Somatotropes 2	0.418	4.77E-12	1.147	0.898
32	Gh	Somatotropes 2	0.232	1.22E-11	8.871	8.711
33	Rps28	Somatotropes 2	-0.228	3.17E-11	2.105	2.262
34	Tmed10	Somatotropes 2	0.405	4.69E-11	1.220	1.000
35	Krtcap2	Somatotropes 2	0.328	5.92E-10	1.483	1.286
36	Cga	Somatotropes 2	0.211	1.54E-09	2.644	2.501
37	Cst3	Somatotropes 2	0.260	2.48E-09	1.764	1.589
38	Prdx2	Somatotropes 2	0.350	5.00E-09	1.197	0.994
39	Swi5	Somatotropes 2	0.256	1.09E-08	1.644	1.472
40	Atp5h	Somatotropes 2	0.244	2.98E-08	1.437	1.266
41	Rpl36	Somatotropes 2	-0.171	3.53E-08	2.503	2.621
42	Tmbim4	Somatotropes 2	0.320	4.22E-08	1.046	0.835
43	Ifitm2	Somatotropes 2	0.227	4.73E-08	1.020	0.851
44	Ndufa13	Somatotropes 2	0.272	8.74E-07	1.539	1.367
45	Atp5j	Somatotropes 2	0.233	9.00E-07	1.762	1.609
46	Tmem176a	Somatotropes 2	0.272	1.53E-06	1.052	0.872
47	Rpl39	Somatotropes 2	-0.189	1.89E-06	2.173	2.302
48	Wbp5	Somatotropes 2	0.205	1.95E-06	2.068	1.926
49	Rps21	Somatotropes 2	-0.182	2.61E-06	2.135	2.260
50	S100a10	Somatotropes 2	0.331	3.87E-06	1.314	1.116
51	Scp2	Somatotropes 2	0.237	5.90E-06	1.113	0.961
52	Mien1	Somatotropes 2	0.304	1.03E-05	1.015	0.837
53	Rpl41	Somatotropes 2	-0.100	1.09E-05	3.865	3.933
54	Gpx3	Somatotropes 2	0.270	1.11E-05	1.808	1.631
55	Ndufb11	Somatotropes 2	0.283	1.34E-05	1.284	1.122
56	Rpl35a	Somatotropes 2	-0.127	1.70E-05	2.803	2.890
57	Prdx5	Somatotropes 2	0.264	1.81E-05	1.279	1.113
58	Manf	Somatotropes 2	0.238	3.30E-05	1.729	1.581
59	Cope	Somatotropes 2	0.195	3.30E-05	1.199	1.065
60	Dynll1	Somatotropes 2	0.270	4.62E-05	1.551	1.386
61	Copz2	Somatotropes 2	0.265	5.23E-05	1.049	0.880
62	Rplp0	Somatotropes 2	0.146	6.99E-05	2.827	2.722
63	Cd81	Somatotropes 2	0.185	6.99E-05	1.333	1.199
64	Actg1	Somatotropes 2	0.236	6.99E-05	1.238	1.080



65	Sec61b	Somatotropes 2	0.152	7.40E-05	2.099	1.988
66	Fkbp2	Somatotropes 2	0.152	1.15E-04	1.214	1.100
67	Edf1	Somatotropes 2	0.185	1.89E-04	1.197	1.071
68	Hspa8	Somatotropes 2	0.246	2.02E-04	1.624	1.475
69	Rab2a	Somatotropes 2	0.212	2.02E-04	1.279	1.147
70	Ftl1	Somatotropes 2	0.162	2.33E-04	2.629	2.515
71	Chchd2	Somatotropes 2	0.161	2.60E-04	2.019	1.907
72	Rpl36a	Somatotropes 2	-0.138	3.06E-04	2.323	2.419
73	Atpif1	Somatotropes 2	0.188	3.06E-04	1.677	1.551
74	Atp6v0b	Somatotropes 2	0.233	3.24E-04	1.315	1.177
75	Uqcc2	Somatotropes 2	0.278	3.40E-04	1.095	0.939
76	Tmem167	Somatotropes 2	0.246	4.69E-04	1.061	0.917
77	Rps3	Somatotropes 2	0.108	4.70E-04	2.947	2.871
78	Eef1g	Somatotropes 2	0.137	4.76E-04	2.423	2.327
79	Psemb1	Somatotropes 2	0.200	4.91E-04	1.236	1.106
80	Psmg7	Somatotropes 2	0.171	0.001	1.023	0.904
81	Eef2	Somatotropes 2	-0.163	0.001	2.017	2.130
82	Chgb	Somatotropes 2	0.209	0.001	1.560	1.410
83	Dapl1	Somatotropes 2	0.293	0.001	1.437	1.251
84	Nnat	Somatotropes 2	0.182	0.001	3.539	3.415
85	Atp5g2	Somatotropes 2	0.184	0.002	1.582	1.462
86	Atp6v1f	Somatotropes 2	0.189	0.002	1.392	1.270
87	Rpl10a	Somatotropes 2	0.149	0.003	2.055	1.956
88	Eef1b2	Somatotropes 2	0.150	0.004	1.642	1.533
89	Ift20	Somatotropes 2	0.228	0.004	1.165	1.033
90	Gabarapl2	Somatotropes 2	0.159	0.004	1.656	1.546
91	Atp6v0e	Somatotropes 2	0.191	0.004	1.291	1.167
92	Rabac1	Somatotropes 2	0.191	0.004	1.544	1.421
93	Rpl19	Somatotropes 2	0.101	0.005	2.808	2.736
94	Gabarap	Somatotropes 2	0.122	0.006	2.036	1.951
95	Ndufa4	Somatotropes 2	0.196	0.007	1.544	1.433
96	Slc25a4	Somatotropes 2	0.180	0.007	1.349	1.229
97	Prdx1	Somatotropes 2	0.091	0.007	1.498	1.415
98	Rps27a	Somatotropes 2	0.079	0.007	3.278	3.223
99	Hint1	Somatotropes 2	0.215	0.007	1.420	1.300
100	Sub1	Somatotropes 2	0.200	0.008	1.410	1.291
101	Tomm7	Somatotropes 2	-0.201	0.009	1.171	1.292
102	Maged1	Somatotropes 2	-0.192	0.009	0.933	1.056
103	Hist1h2bc	Somatotropes 2	0.153	0.009	1.520	1.409
104	Bmyc	Somatotropes 2	0.177	0.014	1.548	1.431
105	Srp9	Somatotropes 2	0.181	0.014	1.459	1.349
106	Pomp	Somatotropes 2	0.217	0.014	1.093	0.976
107	Sec62	Somatotropes 2	0.215	0.016	1.265	1.164

108	Ostc	Somatotropes 2	0.153	0.020	1.364	1.263
109	Ssr2	Somatotropes 2	0.191	0.020	1.082	0.971
110	Arf1	Somatotropes 2	0.198	0.024	1.094	0.983
111	Ndufa11	Somatotropes 2	0.053	0.024	1.049	0.994
112	Cox5b	Somatotropes 2	0.199	0.027	1.222	1.105
113	Pla2g12a	Somatotropes 2	0.134	0.027	1.141	1.047
114	Tbca	Somatotropes 2	0.186	0.029	1.097	0.987
115	Uqcrb	Somatotropes 2	0.149	0.037	1.521	1.423
116	Bsg	Somatotropes 2	0.127	0.037	1.601	1.510
117	Spint2	Somatotropes 2	0.125	0.039	1.786	1.698
118	Rplp2	Somatotropes 2	-0.092	0.040	2.545	2.606
119	Tuba1a	Somatotropes 2	-0.196	0.041	1.069	1.184
120	Gltscr2	Somatotropes 2	-0.166	0.041	0.899	1.004
121	Tmem176b	Somatotropes 2	0.160	0.047	1.188	1.083
122	Rsrp1	Somatotropes 2	-0.066	0.047	1.307	1.370
123	Slc25a3	Somatotropes 2	0.077	0.048	1.497	1.420
124	2410015M20Rik	Somatotropes 2	0.129	0.049	1.289	1.197
1	Hspa1a	Somatotropes 3	1.321	5.22E-65	1.085	0.096
2	Fos	Somatotropes 3	1.171	5.17E-33	1.216	0.369
3	Jund	Somatotropes 3	0.662	2.51E-28	1.603	0.957
4	Ubb	Somatotropes 3	0.600	4.67E-25	2.617	2.183
5	Junb	Somatotropes 3	0.956	1.32E-20	1.346	0.615
6	Hspa8	Somatotropes 3	0.434	9.65E-16	1.871	1.440
7	Hsp90ab1	Somatotropes 3	0.414	1.09E-15	1.845	1.458
8	Hsp90aa1	Somatotropes 3	0.409	4.08E-13	1.187	0.767
9	Pcsk1n	Somatotropes 3	-0.384	6.27E-11	3.043	3.337
10	Ubc	Somatotropes 3	0.363	5.84E-08	1.361	0.995
11	Itm2b	Somatotropes 3	-0.247	7.10E-08	3.254	3.462
12	Actg1	Somatotropes 3	0.322	7.10E-08	1.245	0.900
13	Eef1g	Somatotropes 3	0.299	8.40E-07	2.076	1.819
14	Rplp0	Somatotropes 3	0.264	7.09E-06	1.850	1.541
15	Scg5	Somatotropes 3	-0.271	1.85E-05	2.120	2.352
16	Rpl36a	Somatotropes 3	0.065	0.001	1.521	1.283
17	mt-Nd3	Somatotropes 3	-0.247	0.001	1.144	1.408
18	Cst3	Somatotropes 3	-0.258	0.001	2.015	2.269
19	Rabac1	Somatotropes 3	-0.201	0.001	1.432	1.685
20	Selm	Somatotropes 3	-0.231	0.001	1.156	1.432
21	Ptn	Somatotropes 3	-0.263	0.002	0.973	1.242
22	Laptm4a	Somatotropes 3	-0.187	0.003	2.160	2.373
23	Prdx1	Somatotropes 3	0.234	0.003	1.485	1.312
24	Rpl13	Somatotropes 3	0.197	0.004	2.753	2.569
25	Spint2	Somatotropes 3	-0.206	0.004	2.043	2.231
26	mt-Co1	Somatotropes 3	-0.178	0.004	4.242	4.395

27	Malat1	Somatotropes 3	-0.236	0.004	5.332	5.517
28	Ndufa13	Somatotropes 3	-0.162	0.005	1.236	1.470
29	Rpl3	Somatotropes 3	0.204	0.006	2.173	1.953
30	Rps5	Somatotropes 3	0.206	0.006	2.039	1.859
31	Atp6v1g1	Somatotropes 3	0.183	0.006	1.381	1.144
32	Actb	Somatotropes 3	0.306	0.006	1.383	1.076
33	Calm1	Somatotropes 3	0.224	0.009	1.077	0.832
34	B2m	Somatotropes 3	0.303	0.010	1.942	1.642
35	Rpl11	Somatotropes 3	0.165	0.010	1.945	1.737
36	Rpl24	Somatotropes 3	0.208	0.011	1.824	1.599
37	Tpt1	Somatotropes 3	0.198	0.014	1.533	1.334
38	mt-Co3	Somatotropes 3	-0.169	0.017	4.837	4.984
39	Tspan3	Somatotropes 3	-0.190	0.019	1.159	1.307
40	Rps11	Somatotropes 3	0.195	0.020	1.371	1.147
41	Nenf	Somatotropes 3	-0.217	0.026	0.977	1.191
42	Rps6	Somatotropes 3	0.175	0.032	2.276	2.068
43	Meg3	Somatotropes 3	-0.163	0.041	4.518	4.629
44	Rpl26	Somatotropes 3	0.200	0.043	1.526	1.354
1	Gm10076	Somatotropes 4	-0.507	2.64E-24	1.466	1.829
2	Rps27	Somatotropes 4	-0.313	6.42E-19	2.697	2.915
3	Rps29	Somatotropes 4	-0.309	1.45E-18	2.691	2.904
4	Calm1	Somatotropes 4	0.523	5.10E-17	1.736	1.408
5	Rpl37	Somatotropes 4	-0.276	1.40E-16	2.836	3.024
6	Hsp90aa1	Somatotropes 4	0.486	2.12E-14	1.200	0.902
7	Dbi	Somatotropes 4	0.518	8.31E-14	1.031	0.716
8	Resp18	Somatotropes 4	0.378	1.21E-11	2.351	2.124
9	Tpt1	Somatotropes 4	0.297	1.76E-11	2.483	2.281
10	Cd63	Somatotropes 4	0.406	1.27E-10	1.766	1.506
11	Rpl37a	Somatotropes 4	-0.213	2.04E-09	2.945	3.093
12	Spcs1	Somatotropes 4	0.334	2.36E-09	1.684	1.458
13	Jund	Somatotropes 4	0.391	1.95E-08	1.567	1.323
14	Atp5g1	Somatotropes 4	0.310	1.97E-08	2.109	1.894
15	Cox4i1	Somatotropes 4	0.276	2.25E-08	1.973	1.784
16	Nme1	Somatotropes 4	0.370	2.25E-08	1.380	1.154
17	Hsp90ab1	Somatotropes 4	0.276	7.35E-08	1.821	1.645
18	Cnpy2	Somatotropes 4	0.370	8.66E-08	1.313	1.082
19	B2m	Somatotropes 4	0.618	1.17E-07	1.938	1.526
20	S100a10	Somatotropes 4	0.430	1.98E-07	1.286	1.017
21	Dad1	Somatotropes 4	0.288	3.76E-07	1.840	1.649
22	Tspan13	Somatotropes 4	0.347	9.73E-07	1.311	1.095
23	Atp6v0b	Somatotropes 4	0.320	4.86E-06	1.295	1.105
24	Rpl38	Somatotropes 4	-0.222	8.20E-06	2.208	2.365
25	Krtcap2	Somatotropes 4	0.335	1.04E-05	1.356	1.159

26	Hspe1	Somatotropes 4	0.307	1.73E-05	1.279	1.086
27	Atp5h	Somatotropes 4	0.280	1.91E-05	1.350	1.183
28	Rpl36	Somatotropes 4	-0.205	2.27E-05	2.300	2.442
29	Rps28	Somatotropes 4	-0.210	9.52E-05	1.929	2.083
30	Atp5j	Somatotropes 4	0.248	9.84E-05	1.661	1.501
31	Atp6v0e	Somatotropes 4	0.302	1.52E-04	1.122	0.948
32	Ftl1	Somatotropes 4	0.221	2.00E-04	2.470	2.315
33	Gpx3	Somatotropes 4	0.317	2.00E-04	1.612	1.421
34	Dynll1	Somatotropes 4	0.317	2.02E-04	1.436	1.235
35	Ubb	Somatotropes 4	0.196	2.33E-04	2.925	2.795
36	Dlk1	Somatotropes 4	0.202	2.41E-04	3.285	3.166
37	Cope	Somatotropes 4	0.253	2.86E-04	1.158	1.011
38	Bmyc	Somatotropes 4	0.267	3.57E-04	1.483	1.319
39	Gh	Somatotropes 4	0.223	3.66E-04	8.679	8.535
40	Ssr4	Somatotropes 4	0.273	0.001	1.487	1.323
41	Atp6v1f	Somatotropes 4	0.250	0.001	1.305	1.153
42	Rpl35a	Somatotropes 4	-0.138	0.001	2.673	2.767
43	Rplp0	Somatotropes 4	0.180	0.002	2.590	2.475
44	Actb	Somatotropes 4	0.244	0.002	2.572	2.403
45	Sec61b	Somatotropes 4	0.169	0.002	2.016	1.908
46	Ndufa4	Somatotropes 4	0.221	0.004	1.426	1.285
47	Nnat	Somatotropes 4	0.199	0.004	3.615	3.474
48	Gpx4	Somatotropes 4	0.236	0.004	1.376	1.235
49	Eif1	Somatotropes 4	0.145	0.006	2.607	2.510
50	Tmem176a	Somatotropes 4	0.218	0.007	1.046	0.925
51	Rps11	Somatotropes 4	0.149	0.010	2.344	2.238
52	Tuba1a	Somatotropes 4	-0.260	0.012	1.076	1.259
53	Chchd2	Somatotropes 4	0.166	0.013	1.954	1.853
54	Selk	Somatotropes 4	0.177	0.013	1.970	1.849
55	Rps2	Somatotropes 4	0.143	0.014	2.484	2.385
56	Uqcrh	Somatotropes 4	0.156	0.020	1.784	1.674
57	Prdx2	Somatotropes 4	0.235	0.021	1.036	0.915
58	Wbp5	Somatotropes 4	0.177	0.023	1.937	1.819
59	Rpl34	Somatotropes 4	-0.128	0.024	2.593	2.683
60	Erh	Somatotropes 4	0.225	0.026	1.130	1.008
61	Swi5	Somatotropes 4	0.190	0.026	1.484	1.380
62	Atp5g2	Somatotropes 4	0.209	0.027	1.431	1.310
63	Rsrp1	Somatotropes 4	-0.209	0.032	1.228	1.378
1	Hspa1a	Somatotropes 5	0.819	3.82E-40	1.277	0.210
2	Fos	Somatotropes 5	0.604	8.40E-19	1.154	0.373
3	Junb	Somatotropes 5	0.507	1.59E-11	1.288	0.571
4	Hsp90ab1	Somatotropes 5	0.330	4.66E-06	1.763	1.339
5	Itm2b	Somatotropes 5	-0.326	1.10E-04	3.317	3.544

6	Jund	Somatotropes 5	0.283	0.001	1.272	0.902
7	Rpl13	Somatotropes 5	0.288	0.001	2.469	2.155
8	Eef1a1	Somatotropes 5	0.324	0.002	2.232	1.951
9	Hsp90aa1	Somatotropes 5	0.236	0.007	1.227	0.916
10	Hspa8	Somatotropes 5	0.228	0.008	2.387	2.049
1	Hspa1a	Somatotropes 6	1.665	2.98E-36	1.477	0.368
2	Jun	Somatotropes 6	1.353	6.48E-29	1.427	0.520
3	Fos	Somatotropes 6	1.188	5.66E-28	2.550	1.742
4	Dnajb1	Somatotropes 6	1.021	6.80E-25	1.072	0.399
5	Gm10076	Somatotropes 6	-0.540	1.73E-18	1.448	1.811
6	Jund	Somatotropes 6	0.636	1.13E-13	2.227	1.792
7	Rps27	Somatotropes 6	-0.282	9.59E-11	2.652	2.848
8	Junb	Somatotropes 6	0.653	9.59E-11	2.522	2.085
9	Hspe1	Somatotropes 6	0.483	9.59E-11	1.338	1.039
10	Btg2	Somatotropes 6	0.729	1.15E-10	1.463	0.984
11	Hsp90aa1	Somatotropes 6	0.507	1.50E-10	1.469	1.137
12	Hsp90ab1	Somatotropes 6	0.376	1.54E-10	1.946	1.686
13	B2m	Somatotropes 6	0.703	5.13E-09	1.830	1.368
14	Ubb	Somatotropes 6	0.314	1.57E-08	3.158	2.939
15	Dnaja1	Somatotropes 6	0.472	2.74E-08	1.111	0.803
16	Rps29	Somatotropes 6	-0.255	5.18E-08	2.660	2.838
17	Dynll1	Somatotropes 6	0.427	7.85E-08	1.409	1.132
18	Ubc	Somatotropes 6	0.471	6.83E-07	1.710	1.388
19	Rpl37	Somatotropes 6	-0.219	1.28E-06	2.793	2.947
20	Tpt1	Somatotropes 6	0.239	2.05E-06	2.440	2.276
21	Spcs1	Somatotropes 6	0.383	1.53E-05	1.572	1.353
22	Ier2	Somatotropes 6	0.626	2.20E-05	1.921	1.490
23	Atp5g1	Somatotropes 6	0.307	3.63E-05	2.024	1.824
24	Cd63	Somatotropes 6	0.314	3.65E-05	1.676	1.458
25	Ftl1	Somatotropes 6	0.247	4.77E-05	2.507	2.336
26	Mt1	Somatotropes 6	0.483	6.61E-05	1.278	0.962
27	Rpl37a	Somatotropes 6	-0.182	1.05E-04	2.895	3.022
28	Hspa8	Somatotropes 6	0.278	1.08E-04	1.972	1.778
29	Dad1	Somatotropes 6	0.287	1.40E-04	1.779	1.592
30	Rpl35	Somatotropes 6	-0.246	1.53E-04	1.885	2.055
31	Ssr4	Somatotropes 6	0.355	2.12E-04	1.403	1.188
32	Srp9	Somatotropes 6	0.372	3.25E-04	1.391	1.192
33	Rpl38	Somatotropes 6	-0.216	0.001	2.138	2.288
34	Cox4i1	Somatotropes 6	0.221	0.001	1.878	1.726
35	Gh	Somatotropes 6	0.232	0.001	8.528	8.367
36	Actg1	Somatotropes 6	0.342	0.001	1.577	1.345
37	Resp18	Somatotropes 6	0.275	0.001	2.218	2.030
38	Rps28	Somatotropes 6	-0.209	0.001	1.842	1.992

39	Eef1b2	Somatotropes 6	0.342	0.001	1.376	1.181
40	S100a10	Somatotropes 6	0.349	0.001	1.211	0.984
41	Calm1	Somatotropes 6	0.273	0.002	1.552	1.372
42	Actb	Somatotropes 6	0.356	0.002	1.691	1.437
43	Wbp5	Somatotropes 6	0.213	0.003	1.911	1.762
44	Rpl36	Somatotropes 6	-0.181	0.003	2.252	2.380
45	Atp6v0e	Somatotropes 6	0.307	0.004	1.094	0.907
46	Cnpy2	Somatotropes 6	0.291	0.005	1.248	1.072
47	Gpx3	Somatotropes 6	0.278	0.007	1.634	1.456
48	Serp1	Somatotropes 6	0.297	0.008	1.059	0.878
49	Gabarap	Somatotropes 6	0.210	0.009	1.870	1.728
50	Pkm	Somatotropes 6	-0.268	0.012	0.980	1.154
51	Rplp0	Somatotropes 6	0.176	0.014	2.561	2.441
52	Selk	Somatotropes 6	0.188	0.018	1.946	1.815
53	Morf4l1	Somatotropes 6	-0.243	0.020	1.299	1.457
54	Nme1	Somatotropes 6	0.280	0.020	1.337	1.173
55	Pnmal2	Somatotropes 6	-0.292	0.024	1.013	1.161
56	mt-Atp6	Somatotropes 6	0.125	0.038	3.731	3.645
57	Eif4a2	Somatotropes 6	-0.196	0.038	1.640	1.776
58	Pld3	Somatotropes 6	0.273	0.042	1.001	0.843
59	Ddx5	Somatotropes 6	-0.211	0.042	1.456	1.594
60	Chchd2	Somatotropes 6	0.148	0.047	1.976	1.874
61	Fth1	Somatotropes 6	0.133	0.047	3.016	2.924
1	Hspa1a	Somatotropes 7	1.288	5.67E-28	1.050	0.173
2	Fos	Somatotropes 7	1.313	1.17E-23	1.124	0.273
3	Junb	Somatotropes 7	1.027	9.89E-12	1.147	0.476
4	Rps29	Somatotropes 7	-0.406	8.66E-07	2.210	2.498
5	Eef1g	Somatotropes 7	0.353	8.66E-07	2.287	1.964
6	Jund	Somatotropes 7	0.592	8.66E-07	1.546	1.123
7	Hsp90ab1	Somatotropes 7	0.444	2.76E-06	1.932	1.573
8	Ubb	Somatotropes 7	0.371	1.02E-05	2.818	2.561
9	Gm10076	Somatotropes 7	-0.436	1.89E-05	1.108	1.458
10	Rps27	Somatotropes 7	-0.367	2.37E-05	2.286	2.558
11	Rpl37	Somatotropes 7	-0.358	1.40E-04	2.369	2.634
12	Hsp90aa1	Somatotropes 7	0.469	1.94E-04	1.314	0.970
13	Rpl3	Somatotropes 7	0.311	3.25E-04	2.748	2.533
14	Rps4x	Somatotropes 7	0.271	0.005	2.721	2.533
15	Calm1	Somatotropes 7	0.354	0.005	1.466	1.214
16	Hspa8	Somatotropes 7	0.334	0.009	1.901	1.659
17	Rpl4	Somatotropes 7	0.243	0.010	2.539	2.342
18	Chchd2	Somatotropes 7	0.265	0.039	1.719	1.531
19	Eef1b2	Somatotropes 7	0.316	0.043	1.303	1.070
20	Slc25a3	Somatotropes 7	0.328	0.047	1.474	1.226

21	Rplp0	Somatotropes 7	0.256	0.050	2.348	2.167
1	Srxn1	Corticotropes 1	1.084	5.22E-10	1.688	0.963
2	Hsp90ab1	Corticotropes 1	0.404	3.48E-09	2.221	1.919
3	Dnaja1	Corticotropes 1	0.469	7.04E-09	1.303	0.971
4	Hspa8	Corticotropes 1	0.446	3.08E-08	2.460	2.135
5	Epcam	Corticotropes 1	0.543	5.87E-07	1.386	1.057
6	Gm10076	Corticotropes 1	-0.353	6.81E-07	1.270	1.475
7	Hsp90aa1	Corticotropes 1	0.430	4.50E-06	1.705	1.402
8	Fos	Corticotropes 1	0.814	5.51E-05	1.431	0.783
9	Rps28	Corticotropes 1	-0.393	1.01E-04	1.385	1.594
10	Rps29	Corticotropes 1	-0.264	2.80E-04	2.241	2.417
11	Cd63	Corticotropes 1	0.494	2.80E-04	1.189	0.877
12	Bmyc	Corticotropes 1	0.508	3.44E-04	1.334	0.987
13	Tpt1	Corticotropes 1	0.277	0.001	2.056	1.843
14	Rpl38	Corticotropes 1	-0.292	0.002	1.812	1.978
15	Rpl37a	Corticotropes 1	-0.240	0.002	2.475	2.629
16	Slc25a3	Corticotropes 1	0.352	0.004	1.575	1.300
17	Ubc	Corticotropes 1	0.417	0.005	1.720	1.410
18	Rpl37	Corticotropes 1	-0.237	0.007	2.390	2.553
19	Rpl39	Corticotropes 1	-0.294	0.007	1.668	1.839
20	Cirbp	Corticotropes 1	-0.362	0.007	0.879	1.085
21	Emd	Corticotropes 1	0.653	0.007	1.504	1.046
22	Ftl1	Corticotropes 1	0.329	0.008	1.850	1.587
23	Rps27	Corticotropes 1	-0.225	0.008	2.356	2.499
24	Rpl35	Corticotropes 1	-0.276	0.008	1.531	1.711
25	Dbi	Corticotropes 1	0.358	0.028	1.060	0.824
26	Bex2	Corticotropes 1	-0.296	0.029	1.631	1.786
27	Mt1	Corticotropes 1	0.555	0.031	2.773	2.387
28	Chchd2	Corticotropes 1	0.187	0.041	2.253	2.106
29	Actg1	Corticotropes 1	0.442	0.041	1.596	1.310
30	Dynll1	Corticotropes 1	0.329	0.042	1.390	1.177
1	Hspa1a	Corticotropes 2	1.106	3.18E-09	1.003	0.062
2	Fkbp2	Corticotropes 2	-0.777	0.004	0.854	1.302
1	Gm10076	Gonadotropes	-0.589	3.67E-19	1.409	1.827
2	Ly6h	Gonadotropes	0.422	4.13E-08	3.271	2.963
3	Hsp90aa1	Gonadotropes	0.771	4.13E-08	1.483	1.107
4	Rps27	Gonadotropes	-0.384	1.01E-07	2.247	2.517
5	Fos	Gonadotropes	1.170	6.03E-07	1.507	0.756
6	Rps21	Gonadotropes	-0.459	8.72E-06	1.586	1.864
7	Rps29	Gonadotropes	-0.288	1.79E-05	2.314	2.514
8	Bsg	Gonadotropes	0.391	1.99E-05	2.608	2.327
9	Rpl35	Gonadotropes	-0.329	2.02E-05	1.725	1.951
10	Tmed10	Gonadotropes	0.441	3.49E-05	1.417	1.128

11	Sec11c	Gonadotropes	0.465	4.09E-05	1.075	0.794
12	Rpl38	Gonadotropes	-0.316	1.47E-04	2.091	2.310
13	Itm2b	Gonadotropes	0.537	2.06E-04	2.821	2.419
14	Rpl37	Gonadotropes	-0.267	2.26E-04	2.621	2.822
15	Nenf	Gonadotropes	0.396	4.63E-04	2.304	2.024
16	Spp1	Gonadotropes	0.658	4.67E-04	2.420	1.900
17	Ubb	Gonadotropes	0.385	0.001	3.000	2.746
18	Fkbp2	Gonadotropes	0.379	0.001	1.874	1.593
19	Junb	Gonadotropes	0.787	0.001	1.338	0.840
20	Lhb	Gonadotropes	-0.578	0.001	5.448	5.799
21	Usmg5	Gonadotropes	-0.415	0.001	1.471	1.702
22	Cox4i1	Gonadotropes	0.285	0.001	2.418	2.241
23	Rpl37a	Gonadotropes	-0.243	0.001	2.591	2.773
24	Gnas	Gonadotropes	0.374	0.001	3.604	3.367
25	Btg1	Gonadotropes	0.544	0.004	1.163	0.858
26	Cd63	Gonadotropes	0.355	0.005	1.756	1.500
27	Tomm7	Gonadotropes	-0.274	0.006	1.305	1.474
28	Rheb	Gonadotropes	0.325	0.006	1.077	0.907
29	Rps28	Gonadotropes	-0.288	0.007	1.619	1.824
30	Tsc22d1	Gonadotropes	0.271	0.009	1.726	1.514
31	Pcsk1n	Gonadotropes	0.286	0.014	3.587	3.383
32	Tmed3	Gonadotropes	0.379	0.014	1.217	0.939
33	Ubc	Gonadotropes	0.500	0.016	1.393	1.048
34	Nme1	Gonadotropes	0.185	0.020	1.501	1.359
35	Tmem59	Gonadotropes	0.389	0.023	1.353	1.087
36	Arl3	Gonadotropes	0.317	0.029	1.015	0.838
37	Fshb	Gonadotropes	0.459	0.031	4.053	3.695
38	Rpl41	Gonadotropes	-0.181	0.031	3.608	3.744
39	Ostc	Gonadotropes	0.288	0.032	1.171	0.982
40	Spint2	Gonadotropes	0.237	0.033	2.547	2.365
41	Lrpap1	Gonadotropes	0.331	0.033	1.146	0.872
42	Atp5g1	Gonadotropes	0.183	0.040	2.121	1.998
43	Calm1	Gonadotropes	0.215	0.040	2.066	1.912
44	Cirbp	Gonadotropes	-0.191	0.040	0.911	1.062
45	Hsp90ab1	Gonadotropes	0.199	0.042	1.956	1.826
46	Ndufab1	Gonadotropes	0.360	0.042	1.238	1.062
47	Csrp2	Gonadotropes	0.425	0.042	1.029	0.785
48	Eif1	Gonadotropes	0.175	0.043	2.651	2.556
49	Mt1	Gonadotropes	-0.492	0.043	1.617	1.900
50	Eef2	Gonadotropes	-0.245	0.043	1.624	1.798
51	Atp5k	Gonadotropes	-0.476	0.045	0.917	1.127
1	Hsp90aa1	Lactotropes 1	0.649	2.87E-25	1.658	1.238
2	Gm10076	Lactotropes 1	-0.410	4.43E-17	1.535	1.832



3	Mest	Lactotropes 1	0.553	1.46E-12	1.761	1.423
4	Tmed10	Lactotropes 1	0.445	1.47E-12	1.753	1.470
5	Hspa8	Lactotropes 1	0.409	9.12E-12	2.290	2.027
6	Clu	Lactotropes 1	0.448	2.27E-11	1.394	1.116
7	Ctsl	Lactotropes 1	0.439	6.97E-10	1.568	1.298
8	Hsp90ab1	Lactotropes 1	0.338	8.02E-10	2.087	1.872
9	Dnaja1	Lactotropes 1	0.389	2.65E-09	1.353	1.118
10	Olfm1	Lactotropes 1	0.442	2.72E-09	1.537	1.262
11	Dad1	Lactotropes 1	0.277	3.90E-09	2.010	1.823
12	Rpl37a	Lactotropes 1	-0.224	4.45E-09	2.653	2.802
13	Hspe1	Lactotropes 1	0.353	5.51E-09	1.312	1.088
14	Tmem176a	Lactotropes 1	0.339	5.93E-08	1.319	1.107
15	Tmed3	Lactotropes 1	0.412	7.07E-08	1.550	1.314
16	Rps28	Lactotropes 1	-0.318	7.81E-08	1.554	1.763
17	Sdf2l1	Lactotropes 1	0.391	8.18E-08	1.269	1.009
18	Cystm1	Lactotropes 1	0.380	5.03E-07	1.406	1.188
19	Atp6v0e	Lactotropes 1	0.207	5.56E-07	1.064	0.912
20	Rps29	Lactotropes 1	-0.210	5.94E-07	2.490	2.633
21	Dynll1	Lactotropes 1	0.300	8.75E-07	1.696	1.496
22	Calm1	Lactotropes 1	0.320	1.19E-06	1.830	1.643
23	Rpl38	Lactotropes 1	-0.239	1.23E-06	2.076	2.243
24	Tmem59l	Lactotropes 1	0.418	1.94E-06	1.556	1.311
25	Scg2	Lactotropes 1	0.353	3.68E-06	2.692	2.475
26	Fam46a	Lactotropes 1	0.440	3.68E-06	1.151	0.903
27	Ssr4	Lactotropes 1	0.348	6.36E-06	2.191	1.958
28	Bsg	Lactotropes 1	0.298	8.15E-06	2.503	2.309
29	Rps27	Lactotropes 1	-0.208	9.20E-06	2.412	2.552
30	Rpl8	Lactotropes 1	0.198	1.07E-05	2.553	2.420
31	Tmem59	Lactotropes 1	0.328	1.07E-05	1.630	1.451
32	Atraid	Lactotropes 1	0.285	1.07E-05	1.406	1.229
33	Rps4x	Lactotropes 1	0.192	1.48E-05	2.666	2.539
34	Rpl37	Lactotropes 1	-0.176	2.12E-05	2.668	2.785
35	Cd63	Lactotropes 1	0.305	6.27E-05	1.756	1.578
36	Tmsb10	Lactotropes 1	-0.294	7.78E-05	1.602	1.802
37	Lrpap1	Lactotropes 1	0.405	7.88E-05	1.568	1.353
38	Rps9	Lactotropes 1	0.170	8.59E-05	2.635	2.521
39	Chchd2	Lactotropes 1	0.212	9.27E-05	2.066	1.926
40	Cd81	Lactotropes 1	0.211	1.29E-04	1.771	1.631
41	Manf	Lactotropes 1	0.337	1.52E-04	2.067	1.852
42	Sec11c	Lactotropes 1	0.331	1.68E-04	1.004	0.823
43	Ypel3	Lactotropes 1	-0.261	1.83E-04	1.064	1.226
44	Rpl36	Lactotropes 1	-0.203	1.93E-04	2.107	2.250
45	Fth1	Lactotropes 1	0.177	2.14E-04	2.719	2.603

46	Ergic3	Lactotropes 1	0.385	2.17E-04	1.072	0.915
47	Npdc1	Lactotropes 1	0.265	2.32E-04	1.092	0.945
48	Eef2	Lactotropes 1	-0.184	2.36E-04	1.721	1.879
49	Serf2	Lactotropes 1	0.231	4.31E-04	1.707	1.542
50	Aga	Lactotropes 1	0.377	4.50E-04	1.039	0.851
51	Itm2b	Lactotropes 1	0.274	0.001	3.689	3.529
52	Ifi27	Lactotropes 1	0.332	0.001	1.085	0.920
53	Nenf	Lactotropes 1	0.266	0.001	1.975	1.797
54	Tmbim4	Lactotropes 1	0.280	0.002	1.021	0.873
55	Npc2	Lactotropes 1	0.282	0.002	1.661	1.492
56	Pdia3	Lactotropes 1	0.248	0.002	1.926	1.787
57	Rpl10	Lactotropes 1	0.137	0.003	3.133	3.042
58	BC031181	Lactotropes 1	0.285	0.003	1.043	0.892
59	Meg3	Lactotropes 1	-0.206	0.004	4.179	4.318
60	mt-Co1	Lactotropes 1	-0.150	0.004	3.404	3.487
61	Prnp	Lactotropes 1	0.270	0.004	1.400	1.265
62	Rps5	Lactotropes 1	0.151	0.004	2.682	2.577
63	Itm2c	Lactotropes 1	0.235	0.005	2.054	1.929
64	Tspan13	Lactotropes 1	0.265	0.005	1.420	1.275
65	Nap1l5	Lactotropes 1	0.106	0.007	1.259	1.160
66	Rheb	Lactotropes 1	0.218	0.007	1.283	1.162
67	Psap	Lactotropes 1	0.212	0.007	1.515	1.386
68	Ybx1	Lactotropes 1	0.281	0.008	1.229	1.094
69	Ucp2	Lactotropes 1	-0.245	0.008	0.894	1.059
70	Tmem176b	Lactotropes 1	0.248	0.009	1.267	1.129
71	Dlk1	Lactotropes 1	0.437	0.010	2.563	2.297
72	Epcam	Lactotropes 1	0.202	0.010	2.119	1.993
73	Emc10	Lactotropes 1	0.294	0.011	1.096	0.967
74	Eef1b2	Lactotropes 1	0.265	0.012	1.195	1.064
75	Rabac1	Lactotropes 1	0.141	0.013	1.701	1.598
76	Pou1f1	Lactotropes 1	0.253	0.014	1.731	1.579
77	Cnpy2	Lactotropes 1	0.225	0.014	1.519	1.391
78	Ddost	Lactotropes 1	0.303	0.015	1.233	1.089
79	Usmg5	Lactotropes 1	-0.142	0.015	1.241	1.365
80	Rps3	Lactotropes 1	0.127	0.015	2.623	2.538
81	Rpl23	Lactotropes 1	0.133	0.016	2.330	2.242
82	Zbtb20	Lactotropes 1	-0.202	0.016	1.158	1.294
83	Rpl22l1	Lactotropes 1	0.165	0.019	2.262	2.149
84	Pebp1	Lactotropes 1	0.217	0.020	1.613	1.503
85	H3f3b	Lactotropes 1	-0.177	0.021	2.003	2.124
86	Rpl35	Lactotropes 1	-0.166	0.021	1.815	1.926
87	Ssr2	Lactotropes 1	0.231	0.023	1.495	1.366
88	Stmn3	Lactotropes 1	0.242	0.024	1.342	1.206

89	Uqcrh	Lactotropes 1	0.174	0.027	1.761	1.648
90	Rplp0	Lactotropes 1	0.159	0.029	2.406	2.308
91	Rps8	Lactotropes 1	0.122	0.029	2.686	2.599
92	Hist1h2bc	Lactotropes 1	0.203	0.029	1.840	1.709
93	Calm2	Lactotropes 1	-0.145	0.030	1.931	2.029
94	Spint2	Lactotropes 1	0.210	0.030	2.471	2.336
95	Tpt1	Lactotropes 1	0.145	0.037	2.225	2.133
96	Ndufa12	Lactotropes 1	0.150	0.039	1.084	0.987
97	Six6	Lactotropes 1	0.184	0.043	1.826	1.699
98	Tomm7	Lactotropes 1	-0.138	0.044	1.114	1.220
99	Rps3a1	Lactotropes 1	0.130	0.045	2.858	2.772
100	Tuba1a	Lactotropes 1	-0.195	0.045	1.570	1.731
101	mt-Co2	Lactotropes 1	-0.124	0.047	2.932	2.998
1	Hspa1a	Lactotropes 2	1.080	2.06E-13	1.040	0.087
2	Olfm1	Lactotropes 2	0.385	0.015	1.550	1.002
1	Hsp90ab1	Vascular Cells	0.669	0.001	1.883	1.242
2	Rps27	Vascular Cells	-0.593	0.026	1.948	2.275
3	Rps28	Vascular Cells	-0.536	0.026	1.124	1.480
1	Hspa8	Endothelial Cells	0.654	1.96E-08	3.103	2.643
2	Hspa1a	Endothelial Cells	1.622	5.13E-08	2.040	0.855
3	Jund	Endothelial Cells	0.918	9.84E-05	2.048	1.264
4	Hspb1	Endothelial Cells	0.871	1.90E-04	2.100	1.374
5	Jun	Endothelial Cells	1.133	0.003	2.088	1.212
6	Dnaja1	Endothelial Cells	0.554	0.003	1.684	1.171
7	Fos	Endothelial Cells	0.934	0.014	1.243	0.583
8	Tmsb4x	Endothelial Cells	0.384	0.029	4.012	3.748
1	Hspa8	Macrophages	0.688	5.05E-05	3.020	2.511
2	Rps27rt	Macrophages	-0.619	3.58E-04	0.485	1.009
3	Hspa1a	Macrophages	0.969	0.003	1.499	0.677
4	Rps29	Macrophages	-0.503	0.005	2.986	3.323
5	Dnaja1	Macrophages	0.547	0.007	1.237	0.686
6	Rpl37a	Macrophages	-0.505	0.007	2.528	2.907
7	Clic1	Macrophages	-0.383	0.032	1.568	1.764
8	Rpl39	Macrophages	-0.437	0.041	1.963	2.322
1	Hsp90aa1	Pou1f1 MCs	0.568	0.002	1.486	1.088
2	Rps27	Pou1f1 MCs	-0.379	0.020	2.418	2.676
3	Jun	Pou1f1 MCs	0.926	0.034	1.022	0.364
1	Hsp90ab1	Stem Cells	0.522	7.43E-13	2.420	2.051
2	Hspa8	Stem Cells	0.435	4.03E-07	2.757	2.456
3	Hspb1	Stem Cells	0.676	1.07E-06	2.281	1.805
4	Hsp90aa1	Stem Cells	0.515	1.94E-06	1.573	1.217
5	Apoe	Stem Cells	-0.927	5.12E-06	0.741	1.332
6	Gm10076	Stem Cells	-0.384	1.05E-05	0.939	1.186

<b>7</b>	Gh	Stem Cells	0.383	2.65E-04	5.258	5.059
<b>8</b>	Dnaja1	Stem Cells	0.308	0.001	1.365	1.133
<b>9</b>	Lcn2	Stem Cells	0.540	0.007	1.864	1.471
<b>10</b>	Rps27	Stem Cells	-0.263	0.010	2.312	2.493
<b>11</b>	S100a6	Stem Cells	0.650	0.010	1.349	0.968
<b>12</b>	Tpt1	Stem Cells	0.303	0.016	2.174	1.943
<b>13</b>	Prdx1	Stem Cells	0.268	0.032	2.787	2.604

**Table S6:** List of differentially expressed genes (DEGs) per cell type in the adrenal gland

<b>Differentially Expressed Genes - Adrenal</b>						
<b>#</b>	<b>gene</b>	<b>Cell Type</b>	<b>log2FC</b>	<b>qval</b>	<b>meanExprStress</b>	<b>meanExprCtrl</b>
1	mt-Nd4l	Zona Fasciculata 1	1.331	1.08E-08	2.875	1.953
2	Kcnk3	Zona Fasciculata 1	1.293	3.99E-07	2.777	1.820
3	mt-Cytb	Zona Fasciculata 1	0.835	5.14E-07	5.555	4.980
4	mt-Nd1	Zona Fasciculata 1	0.871	2.57E-06	5.539	4.941
5	Cyp21a1	Zona Fasciculata 1	1.705	2.57E-06	4.039	2.847
6	Plin5	Zona Fasciculata 1	-0.925	3.37E-06	0.379	1.036
7	mt-Co3	Zona Fasciculata 1	0.792	4.59E-05	6.121	5.576
8	mt-Nd4	Zona Fasciculata 1	0.758	5.91E-05	5.195	4.675
9	mt-Atp6	Zona Fasciculata 1	0.717	1.70E-04	6.153	5.659
10	mt-Co2	Zona Fasciculata 1	0.806	1.70E-04	5.136	4.580
11	Abhd2	Zona Fasciculata 1	0.897	1.70E-04	2.758	2.131
12	H3f3b	Zona Fasciculata 1	-0.675	1.87E-04	1.834	2.367
13	Scarb1	Zona Fasciculata 1	1.089	2.60E-04	2.786	2.014
14	Gm8730	Zona Fasciculata 1	-0.740	0.001	0.777	1.245
15	Gramd1b	Zona Fasciculata 1	0.802	0.001	1.112	0.492
16	mt-Nd5	Zona Fasciculata 1	0.744	0.004	2.917	2.429
17	Aldh1a1	Zona Fasciculata 1	-1.578	0.004	0.674	1.876
18	Lgals3	Zona Fasciculata 1	-0.955	0.005	0.321	1.026
19	Apoe	Zona Fasciculata 1	0.605	0.005	1.080	0.571
20	Hsp90b1	Zona Fasciculata 1	0.626	0.009	2.194	1.713
21	mt-Co1	Zona Fasciculata 1	0.648	0.009	5.676	5.229
22	BC005537	Zona Fasciculata 1	0.555	0.013	1.538	1.142
23	Fdxr	Zona Fasciculata 1	0.497	0.014	2.744	2.399
24	Id2	Zona Fasciculata 1	-0.865	0.015	1.404	2.039
25	Rpl3	Zona Fasciculata 1	-0.608	0.016	2.293	2.676
26	Btg1	Zona Fasciculata 1	0.714	0.016	1.120	0.559
27	Star	Zona Fasciculata 1	0.578	0.016	3.848	3.451
28	Acly	Zona Fasciculata 1	0.566	0.017	2.304	1.824
29	1110008P14Rik	Zona Fasciculata 1	0.535	0.017	1.552	1.042
30	Akr1cl	Zona Fasciculata 1	-0.824	0.019	2.947	3.520
31	Fdx1	Zona Fasciculata 1	0.521	0.020	4.160	3.796
32	Cyp11b1	Zona Fasciculata 1	0.517	0.032	3.704	3.344
33	Itm2b	Zona Fasciculata 1	-0.424	0.039	2.299	2.590
34	Sptssa	Zona Fasciculata 1	-0.588	0.045	0.821	1.266
35	Igfbp7	Zona Fasciculata 1	-0.564	0.047	1.391	1.912
1	Nr4a1	Zona Fasciculata 2	-1.500	9.90E-32	1.255	2.227
2	Dbp	Zona Fasciculata 2	1.305	9.90E-32	1.167	0.330
3	Dnaja1	Zona Fasciculata 2	0.864	5.04E-27	2.423	1.821
4	Hsp90aa1	Zona Fasciculata 2	0.803	7.55E-23	3.085	2.530
5	Dynll1	Zona Fasciculata 2	0.693	5.83E-17	2.182	1.714

6	Apoe	Zona Fasciculata 2	0.896	1.79E-16	1.246	0.705
7	Hsph1	Zona Fasciculata 2	0.873	1.79E-16	1.178	0.646
8	Alas1	Zona Fasciculata 2	0.767	1.73E-14	2.713	2.158
9	Rps28	Zona Fasciculata 2	-0.327	5.15E-14	3.420	3.660
10	Anxa5	Zona Fasciculata 2	-0.644	3.62E-13	1.765	2.187
11	Phlda1	Zona Fasciculata 2	1.091	5.67E-13	2.080	1.371
12	Serinc3	Zona Fasciculata 2	-0.525	1.84E-12	2.006	2.369
13	Tuba1b	Zona Fasciculata 2	-0.699	2.02E-12	1.007	1.438
14	Mt2	Zona Fasciculata 2	-1.509	3.02E-12	0.798	1.779
15	Tomm20	Zona Fasciculata 2	0.507	5.40E-12	1.772	1.430
16	Gm8730	Zona Fasciculata 2	-0.603	6.66E-12	1.252	1.655
17	Fdx1	Zona Fasciculata 2	0.543	6.80E-12	3.543	3.159
18	Hsp90ab1	Zona Fasciculata 2	0.332	1.28E-11	3.477	3.249
19	Klhdc8a	Zona Fasciculata 2	-0.528	1.06E-09	1.465	1.819
20	Crem	Zona Fasciculata 2	0.835	1.24E-09	1.224	0.690
21	Gadd45b	Zona Fasciculata 2	-0.826	1.35E-09	1.121	1.644
22	Mt1	Zona Fasciculata 2	-0.925	1.60E-09	2.608	3.276
23	Kcnk3	Zona Fasciculata 2	0.353	3.16E-08	3.190	2.987
24	Nfkbia	Zona Fasciculata 2	-0.761	3.25E-08	0.573	1.084
25	Sap18	Zona Fasciculata 2	0.517	5.10E-08	1.286	0.960
26	Pim1	Zona Fasciculata 2	-0.749	6.69E-08	0.668	1.159
27	Gpha2	Zona Fasciculata 2	0.737	8.50E-08	1.032	0.553
28	Rps8	Zona Fasciculata 2	0.217	9.53E-08	3.549	3.406
29	Wdr89	Zona Fasciculata 2	-0.464	9.53E-08	1.076	1.379
30	Hspa1b	Zona Fasciculata 2	0.708	1.31E-07	1.213	0.836
31	Rpl35a	Zona Fasciculata 2	0.225	1.57E-07	3.843	3.690
32	Star	Zona Fasciculata 2	0.391	1.57E-07	3.454	3.172
33	Akr1b7	Zona Fasciculata 2	-0.779	1.60E-07	3.145	3.662
34	Dbi	Zona Fasciculata 2	-0.323	5.53E-07	2.562	2.784
35	Sparc	Zona Fasciculata 2	-0.347	6.72E-07	2.684	2.928
36	Tmsb4x	Zona Fasciculata 2	0.700	1.19E-06	1.211	0.777
37	Rpl9	Zona Fasciculata 2	0.224	1.40E-06	3.328	3.176
38	Atp1a1	Zona Fasciculata 2	0.450	2.72E-06	2.056	1.779
39	Clu	Zona Fasciculata 2	0.342	2.95E-06	2.538	2.277
40	Pnrc1	Zona Fasciculata 2	-0.551	8.03E-06	0.787	1.112
41	Ahsa1	Zona Fasciculata 2	0.396	8.73E-06	1.196	0.936
42	Rpl18	Zona Fasciculata 2	0.225	1.42E-05	2.977	2.820
43	Anp32a	Zona Fasciculata 2	-0.399	1.98E-05	1.332	1.600
44	Timp3	Zona Fasciculata 2	0.658	2.06E-05	2.330	1.923
45	Rps15	Zona Fasciculata 2	0.211	2.26E-05	3.161	3.016
46	Cklf	Zona Fasciculata 2	0.510	2.48E-05	1.062	0.738
47	Sorbs2	Zona Fasciculata 2	-0.489	3.44E-05	1.106	1.428
48	Aldoa	Zona Fasciculata 2	-0.234	3.94E-05	2.756	2.896

49	Malat1	Zona Fasciculata 2	-0.273	4.61E-05	6.623	6.791
50	Gm10073	Zona Fasciculata 2	0.334	5.75E-05	1.657	1.455
51	Hspb1	Zona Fasciculata 2	0.507	6.16E-05	3.306	2.946
52	Serpinh1	Zona Fasciculata 2	0.455	7.97E-05	1.288	1.003
53	mt-Nd4l	Zona Fasciculata 2	0.467	1.02E-04	1.306	1.020
54	Hsd3b1	Zona Fasciculata 2	-0.298	1.44E-04	4.100	4.299
55	Coq10b	Zona Fasciculata 2	0.490	1.62E-04	1.325	1.014
56	Hes6	Zona Fasciculata 2	0.536	1.79E-04	1.326	0.989
57	Rpl32	Zona Fasciculata 2	0.161	1.83E-04	3.530	3.425
58	Cacybp	Zona Fasciculata 2	0.419	2.33E-04	1.100	0.843
59	Soat1	Zona Fasciculata 2	0.430	2.45E-04	1.773	1.512
60	Rps3	Zona Fasciculata 2	0.166	2.58E-04	3.334	3.219
61	Laptm4b	Zona Fasciculata 2	-0.423	3.43E-04	0.976	1.237
62	Bri3	Zona Fasciculata 2	-0.267	3.63E-04	1.582	1.781
63	Txn2	Zona Fasciculata 2	-0.312	3.85E-04	1.834	2.054
64	Wbp5	Zona Fasciculata 2	-0.266	0.001	2.222	2.406
65	Eprs	Zona Fasciculata 2	0.504	0.001	1.286	0.970
66	Rpl13a	Zona Fasciculata 2	0.147	0.001	3.761	3.661
67	Mbnl1	Zona Fasciculata 2	0.330	0.001	1.712	1.513
68	Meg3	Zona Fasciculata 2	0.390	0.001	3.767	3.494
69	Gm10116	Zona Fasciculata 2	0.461	0.001	1.171	0.891
70	Hspa1a	Zona Fasciculata 2	0.752	0.001	2.592	2.123
71	Nfe2l2	Zona Fasciculata 2	-0.414	0.001	0.820	1.081
72	Me1	Zona Fasciculata 2	-0.316	0.001	2.136	2.351
73	Rps13	Zona Fasciculata 2	0.187	0.001	2.947	2.827
74	Rpsa	Zona Fasciculata 2	0.231	0.001	2.574	2.423
75	Fos	Zona Fasciculata 2	-0.494	0.001	3.424	3.741
76	Hnrnpab	Zona Fasciculata 2	0.402	0.001	1.059	0.821
77	mt-Nd4	Zona Fasciculata 2	0.288	0.001	3.886	3.674
78	Rpl10a	Zona Fasciculata 2	0.192	0.001	2.925	2.792
79	Rps7	Zona Fasciculata 2	0.167	0.002	3.182	3.064
80	2310036O22Rik	Zona Fasciculata 2	-0.310	0.002	1.031	1.243
81	Ppib	Zona Fasciculata 2	0.251	0.003	1.739	1.560
82	Fam195a	Zona Fasciculata 2	0.412	0.003	1.206	0.957
83	mt-Cytb	Zona Fasciculata 2	0.290	0.003	4.197	3.982
84	Rps15a	Zona Fasciculata 2	0.154	0.003	3.383	3.290
85	Zfp36	Zona Fasciculata 2	-0.582	0.004	1.947	2.345
86	Ccnd2	Zona Fasciculata 2	0.278	0.004	2.458	2.293
87	Tmem205	Zona Fasciculata 2	0.288	0.004	2.102	1.902
88	Tmem159	Zona Fasciculata 2	-0.372	0.004	0.855	1.071
89	Ptges3	Zona Fasciculata 2	0.263	0.004	1.107	0.939
90	Cct7	Zona Fasciculata 2	0.312	0.004	1.376	1.172
91	Rps12	Zona Fasciculata 2	0.190	0.004	2.708	2.593

92	Pfn1	Zona Fasciculata 2	0.214	0.004	2.468	2.327
93	Gem	Zona Fasciculata 2	-0.462	0.004	0.736	1.030
94	Rps6	Zona Fasciculata 2	0.144	0.005	3.317	3.209
95	Rps14	Zona Fasciculata 2	0.128	0.005	4.077	3.993
96	Rps4x	Zona Fasciculata 2	0.177	0.006	3.231	3.114
97	Rpl26	Zona Fasciculata 2	0.140	0.006	3.440	3.345
98	Rpl27a	Zona Fasciculata 2	0.148	0.006	3.241	3.144
99	Rgs2	Zona Fasciculata 2	-0.446	0.006	1.523	1.828
100	Ddx24	Zona Fasciculata 2	0.349	0.006	1.111	0.915
101	Rpl11	Zona Fasciculata 2	0.137	0.006	3.312	3.216
102	Akr1cl	Zona Fasciculata 2	-0.240	0.006	3.076	3.219
103	Akr1b10	Zona Fasciculata 2	-0.315	0.006	1.235	1.432
104	Srp19	Zona Fasciculata 2	0.344	0.006	1.028	0.835
105	Ghitm	Zona Fasciculata 2	-0.219	0.006	1.086	1.253
106	Slc27a3	Zona Fasciculata 2	-0.263	0.007	1.070	1.247
107	S100a10	Zona Fasciculata 2	0.384	0.007	1.258	1.028
108	Mrpl20	Zona Fasciculata 2	0.302	0.007	1.133	0.946
109	Tubb4b	Zona Fasciculata 2	-0.438	0.007	0.981	1.246
110	Ifitm2	Zona Fasciculata 2	0.207	0.007	3.232	3.075
111	Rps11	Zona Fasciculata 2	0.142	0.007	3.365	3.273
112	Rps3a1	Zona Fasciculata 2	0.151	0.007	3.235	3.131
113	Gapdh	Zona Fasciculata 2	-0.207	0.008	2.704	2.840
114	Zfyve21	Zona Fasciculata 2	-0.332	0.008	0.889	1.097
115	Chka	Zona Fasciculata 2	-0.551	0.008	1.599	1.952
116	Rps16	Zona Fasciculata 2	0.135	0.009	3.330	3.241
117	Rps17	Zona Fasciculata 2	0.142	0.009	3.150	3.058
118	Eif4g2	Zona Fasciculata 2	0.207	0.010	1.147	1.019
119	BC029722	Zona Fasciculata 2	-0.346	0.010	1.114	1.328
120	Junb	Zona Fasciculata 2	-0.507	0.011	3.082	3.424
121	Ndufa11	Zona Fasciculata 2	0.152	0.011	1.974	1.875
122	Nr5a1	Zona Fasciculata 2	0.354	0.011	1.251	1.045
123	Pgam1	Zona Fasciculata 2	-0.201	0.011	2.244	2.381
124	Gm9493	Zona Fasciculata 2	-0.338	0.012	0.835	1.036
125	Uba52	Zona Fasciculata 2	0.215	0.012	2.046	1.894
126	Rpl14	Zona Fasciculata 2	0.140	0.012	3.269	3.166
127	Fau	Zona Fasciculata 2	0.139	0.012	3.157	3.065
128	Eef1g	Zona Fasciculata 2	0.234	0.013	2.210	2.051
129	Gnai2	Zona Fasciculata 2	-0.212	0.014	1.171	1.328
130	Gm1673	Zona Fasciculata 2	0.296	0.014	1.510	1.319
131	Prkar1a	Zona Fasciculata 2	-0.258	0.015	1.184	1.352
132	Rpl19	Zona Fasciculata 2	0.141	0.016	3.175	3.076
133	Set	Zona Fasciculata 2	0.283	0.016	1.414	1.231
134	Rpl35	Zona Fasciculata 2	0.129	0.016	3.401	3.315



135	Dstn	Zona Fasciculata 2	-0.285	0.017	1.471	1.667
136	Rplp2	Zona Fasciculata 2	0.131	0.019	3.203	3.120
137	Map1lc3a	Zona Fasciculata 2	0.226	0.019	2.393	2.232
138	Rps18	Zona Fasciculata 2	0.125	0.019	3.658	3.572
139	Fkbp4	Zona Fasciculata 2	0.312	0.020	1.378	1.179
140	Tspan12	Zona Fasciculata 2	-0.297	0.022	0.836	1.030
141	Reep5	Zona Fasciculata 2	0.211	0.023	2.372	2.232
142	Mast4	Zona Fasciculata 2	-0.327	0.023	1.016	1.222
143	Meis2	Zona Fasciculata 2	-0.282	0.023	1.371	1.572
144	Atp5k	Zona Fasciculata 2	-0.230	0.023	1.781	1.947
145	Aldh2	Zona Fasciculata 2	-0.243	0.024	2.094	2.252
146	Prdx6	Zona Fasciculata 2	0.216	0.024	1.495	1.333
147	Akr1a1	Zona Fasciculata 2	-0.196	0.025	2.053	2.183
148	Cox6a1	Zona Fasciculata 2	-0.189	0.025	2.522	2.646
149	Pde10a	Zona Fasciculata 2	-0.356	0.027	1.261	1.506
150	Ypel3	Zona Fasciculata 2	-0.306	0.028	0.944	1.137
151	Cyp11a1	Zona Fasciculata 2	-0.188	0.029	4.168	4.270
152	Rpl8	Zona Fasciculata 2	0.154	0.029	3.015	2.912
153	Cyb5a	Zona Fasciculata 2	-0.167	0.029	1.140	1.260
154	Klf6	Zona Fasciculata 2	0.510	0.030	1.256	0.968
155	Rps27rt	Zona Fasciculata 2	-0.289	0.033	1.197	1.385
156	Rpl23	Zona Fasciculata 2	0.122	0.033	3.495	3.415
157	Elovl5	Zona Fasciculata 2	0.363	0.034	1.026	0.836
158	Cycs	Zona Fasciculata 2	0.287	0.034	1.259	1.073
159	Tmem176a	Zona Fasciculata 2	0.198	0.034	2.620	2.471
160	Pgp	Zona Fasciculata 2	0.242	0.035	1.343	1.195
161	Rpl37a	Zona Fasciculata 2	0.112	0.037	3.856	3.791
162	mt-Co1	Zona Fasciculata 2	-0.209	0.040	4.849	5.001
163	Tprgl	Zona Fasciculata 2	-0.220	0.040	1.127	1.264
164	Nedd4	Zona Fasciculata 2	0.289	0.040	1.250	1.090
165	Btg2	Zona Fasciculata 2	-0.397	0.042	3.289	3.560
166	Itm2c	Zona Fasciculata 2	-0.205	0.045	2.579	2.729
167	Kif5b	Zona Fasciculata 2	0.263	0.045	1.552	1.380
168	Rps27a	Zona Fasciculata 2	0.106	0.048	3.486	3.417
169	Tceb2	Zona Fasciculata 2	0.171	0.048	2.532	2.416
170	Adh1	Zona Fasciculata 2	0.460	0.048	1.311	1.068
171	Rps2	Zona Fasciculata 2	0.133	0.048	3.179	3.085
1	Nr4a1	Zona Fasciculata 3	-1.389	1.83E-28	0.969	1.910
2	Akr1cl	Zona Fasciculata 3	-0.645	1.44E-23	2.815	3.263
3	Junb	Zona Fasciculata 3	-1.252	2.27E-20	0.623	1.479
4	Gm8730	Zona Fasciculata 3	-0.843	1.75E-18	1.087	1.660
5	Amotl2	Zona Fasciculata 3	-0.912	3.42E-17	0.427	1.031
6	Apoe	Zona Fasciculata 3	0.903	1.44E-16	1.229	0.645

7	mt-Nd4l	Zona Fasciculata 3	0.764	7.65E-15	1.781	1.253
8	Hsph1	Zona Fasciculata 3	0.747	1.09E-14	1.094	0.657
9	Cxcr4	Zona Fasciculata 3	-0.841	2.05E-14	0.535	1.088
10	Fdx1	Zona Fasciculata 3	0.581	3.58E-14	3.859	3.441
11	Crem	Zona Fasciculata 3	0.988	4.89E-14	1.370	0.733
12	Wdr89	Zona Fasciculata 3	-0.616	1.24E-13	1.031	1.439
13	mt-Nd4	Zona Fasciculata 3	0.556	3.71E-12	4.524	4.087
14	Rps28	Zona Fasciculata 3	-0.408	1.21E-11	3.324	3.635
15	Serinc3	Zona Fasciculata 3	-0.479	1.23E-11	2.106	2.446
16	Mmd2	Zona Fasciculata 3	-0.746	3.18E-11	0.702	1.180
17	Anxa5	Zona Fasciculata 3	-0.561	5.80E-11	1.908	2.269
18	Hsp90aa1	Zona Fasciculata 3	0.548	1.16E-10	2.503	2.118
19	Ptp4a1	Zona Fasciculata 3	0.700	1.61E-10	1.092	0.674
20	Kcnk3	Zona Fasciculata 3	0.438	3.44E-10	3.215	2.950
21	mt-Cytb	Zona Fasciculata 3	0.510	2.70E-09	4.889	4.466
22	Rgs2	Zona Fasciculata 3	-0.687	2.94E-09	1.653	2.141
23	Gstm1	Zona Fasciculata 3	-0.503	5.07E-09	2.347	2.655
24	mt-Nd5	Zona Fasciculata 3	0.504	4.20E-08	2.118	1.738
25	Ypel3	Zona Fasciculata 3	-0.590	4.75E-08	0.778	1.152
26	Tuba1b	Zona Fasciculata 3	-0.567	5.60E-08	0.743	1.132
27	Akr1b7	Zona Fasciculata 3	-0.529	7.60E-07	3.994	4.355
28	Eprs	Zona Fasciculata 3	0.586	1.99E-06	1.542	1.164
29	Alas1	Zona Fasciculata 3	0.544	3.02E-06	2.370	2.009
30	Klhdc8a	Zona Fasciculata 3	-0.422	7.09E-06	1.531	1.852
31	Glul	Zona Fasciculata 3	-0.483	7.28E-06	1.054	1.371
32	Clu	Zona Fasciculata 3	0.376	1.19E-05	2.325	2.014
33	Dynll1	Zona Fasciculata 3	0.405	3.57E-05	1.803	1.540
34	mt-Nd1	Zona Fasciculata 3	0.367	3.66E-05	4.809	4.501
35	Cebpb	Zona Fasciculata 3	-0.468	4.57E-05	1.507	1.840
36	Rsrp1	Zona Fasciculata 3	-0.364	7.57E-05	1.551	1.794
37	Srsf5	Zona Fasciculata 3	-0.302	7.57E-05	1.080	1.290
38	Tomm20	Zona Fasciculata 3	0.299	8.09E-05	1.682	1.483
39	Hypk	Zona Fasciculata 3	-0.358	1.10E-04	1.109	1.359
40	Isyna1	Zona Fasciculata 3	-0.415	1.62E-04	0.761	1.033
41	mt-Atp6	Zona Fasciculata 3	0.333	2.77E-04	5.486	5.222
42	Mt1	Zona Fasciculata 3	-0.563	2.96E-04	1.244	1.606
43	Hspa1a	Zona Fasciculata 3	0.612	3.20E-04	1.207	0.890
44	Uba52	Zona Fasciculata 3	0.280	3.24E-04	2.073	1.883
45	Gm1673	Zona Fasciculata 3	0.385	3.50E-04	1.670	1.407
46	Fam195a	Zona Fasciculata 3	0.395	3.62E-04	1.365	1.119
47	Ddrk1	Zona Fasciculata 3	-0.354	4.51E-04	1.120	1.365
48	Sorbs2	Zona Fasciculata 3	-0.441	4.88E-04	0.965	1.296
49	Rmdn2	Zona Fasciculata 3	-0.448	0.001	0.827	1.091

50	Gapdh	Zona Fasciculata 3	-0.237	0.001	2.661	2.810
51	Acaa2	Zona Fasciculata 3	-0.372	0.001	1.198	1.414
52	Anxa2	Zona Fasciculata 3	-0.044	0.001	1.494	1.547
53	Phlda1	Zona Fasciculata 3	0.574	0.001	1.164	0.863
54	Tmem159	Zona Fasciculata 3	-0.321	0.001	1.143	1.317
55	Gng5	Zona Fasciculata 3	0.275	0.001	2.149	1.961
56	Tma7	Zona Fasciculata 3	0.271	0.001	2.010	1.808
57	Iscu	Zona Fasciculata 3	0.250	0.001	2.671	2.482
58	Hsd3b1	Zona Fasciculata 3	-0.310	0.001	4.126	4.326
59	Map1lc3a	Zona Fasciculata 3	0.297	0.001	2.280	2.078
60	Pfn1	Zona Fasciculata 3	0.263	0.001	2.395	2.213
61	Jund	Zona Fasciculata 3	-0.299	0.001	2.016	2.228
62	Arpc1b	Zona Fasciculata 3	-0.237	0.001	0.814	0.997
63	Pigyl	Zona Fasciculata 3	-0.387	0.001	0.762	1.008
64	Lrrc58	Zona Fasciculata 3	-0.422	0.001	0.780	1.035
65	Btg2	Zona Fasciculata 3	-0.578	0.001	0.814	1.231
66	Dnaja1	Zona Fasciculata 3	0.331	0.001	1.897	1.666
67	mt-Nd2	Zona Fasciculata 3	0.290	0.002	3.968	3.738
68	Eif4g2	Zona Fasciculata 3	0.317	0.002	1.249	1.041
69	Hint2	Zona Fasciculata 3	0.160	0.002	1.454	1.357
70	Fos	Zona Fasciculata 3	-0.515	0.002	0.732	1.138
71	Rnaset2a	Zona Fasciculata 3	-0.403	0.002	0.830	1.085
72	Eif3a	Zona Fasciculata 3	0.401	0.003	1.135	0.908
73	Cyp11a1	Zona Fasciculata 3	-0.221	0.003	4.298	4.424
74	Cope	Zona Fasciculata 3	-0.312	0.003	1.347	1.548
75	Laptm4a	Zona Fasciculata 3	-0.266	0.003	2.104	2.289
76	Gstm2	Zona Fasciculata 3	-0.470	0.003	1.315	1.616
77	Acsbg1	Zona Fasciculata 3	-0.467	0.003	1.318	1.567
78	Grhpr	Zona Fasciculata 3	-0.422	0.003	1.089	1.389
79	Hnrnpab	Zona Fasciculata 3	0.366	0.004	1.101	0.909
80	Vegfa	Zona Fasciculata 3	-0.369	0.004	0.998	1.265
81	Tbx3os1	Zona Fasciculata 3	-0.367	0.004	1.169	1.432
82	Bri3	Zona Fasciculata 3	-0.277	0.004	1.654	1.859
83	Rpl9-ps6	Zona Fasciculata 3	-0.408	0.005	0.897	1.159
84	Sap18	Zona Fasciculata 3	0.336	0.005	1.215	1.003
85	Meg3	Zona Fasciculata 3	0.392	0.005	3.352	3.107
86	Txn2	Zona Fasciculata 3	-0.260	0.005	1.988	2.190
87	Echs1	Zona Fasciculata 3	-0.319	0.005	1.484	1.711
88	Snrpg	Zona Fasciculata 3	0.297	0.006	1.539	1.335
89	Gadd45b	Zona Fasciculata 3	-0.453	0.006	1.006	1.284
90	Cyb5a	Zona Fasciculata 3	-0.366	0.006	1.018	1.252
91	Prdx1	Zona Fasciculata 3	-0.237	0.007	2.782	2.928
92	Laptm4b	Zona Fasciculata 3	-0.314	0.007	1.002	1.207

93	Soat1	Zona Fasciculata 3	0.309	0.007	1.911	1.731
94	Dstn	Zona Fasciculata 3	-0.339	0.008	1.140	1.384
95	Scarb1	Zona Fasciculata 3	0.341	0.008	2.834	2.622
96	Sub1	Zona Fasciculata 3	0.288	0.010	1.500	1.302
97	Ywhag	Zona Fasciculata 3	0.286	0.011	1.058	0.892
98	Spcs1	Zona Fasciculata 3	0.042	0.011	1.627	1.640
99	Park7	Zona Fasciculata 3	0.162	0.012	1.948	1.854
100	Ptov1	Zona Fasciculata 3	-0.283	0.012	1.151	1.343
101	Actb	Zona Fasciculata 3	-0.313	0.014	2.716	2.904
102	Rnh1	Zona Fasciculata 3	-0.282	0.015	1.340	1.535
103	Star	Zona Fasciculata 3	0.196	0.016	3.595	3.429
104	Tsc22d1	Zona Fasciculata 3	-0.260	0.017	2.542	2.702
105	Tob1	Zona Fasciculata 3	0.364	0.017	1.119	0.903
106	Atp5o	Zona Fasciculata 3	-0.348	0.017	1.349	1.561
107	Gm9843	Zona Fasciculata 3	-0.256	0.020	1.291	1.483
108	Cox6a1	Zona Fasciculata 3	-0.237	0.022	2.538	2.697
109	Mdh1	Zona Fasciculata 3	-0.245	0.022	1.836	1.962
110	Timp3	Zona Fasciculata 3	0.334	0.022	1.199	1.042
111	Itm2b	Zona Fasciculata 3	-0.222	0.023	2.330	2.469
112	Rps29	Zona Fasciculata 3	-0.157	0.026	3.700	3.815
113	mt-Co3	Zona Fasciculata 3	0.253	0.027	5.466	5.244
114	1110004F10Rik	Zona Fasciculata 3	-0.305	0.027	0.909	1.095
115	Reep5	Zona Fasciculata 3	0.206	0.027	2.423	2.287
116	Cox20	Zona Fasciculata 3	-0.214	0.028	1.204	1.344
117	H2afz	Zona Fasciculata 3	0.183	0.029	1.639	1.524
118	Kif5b	Zona Fasciculata 3	0.282	0.029	1.488	1.293
119	Chchd10	Zona Fasciculata 3	-0.237	0.031	3.037	3.210
120	Atp1a1	Zona Fasciculata 3	0.257	0.032	1.763	1.613
121	Ube3a	Zona Fasciculata 3	0.292	0.032	1.034	0.851
122	Hhex	Zona Fasciculata 3	-0.379	0.034	0.968	1.184
123	Ppib	Zona Fasciculata 3	0.103	0.040	1.651	1.583
124	Aldh2	Zona Fasciculata 3	-0.242	0.042	1.849	1.980
125	Akr1a1	Zona Fasciculata 3	-0.190	0.046	2.124	2.258
126	Ccnd3	Zona Fasciculata 3	0.323	0.046	1.284	1.118
127	Cdkn1c	Zona Fasciculata 3	0.420	0.047	1.583	1.334
128	Rpl3	Zona Fasciculata 3	-0.217	0.047	2.748	2.937
129	Calm2	Zona Fasciculata 3	-0.193	0.047	2.294	2.425
130	Nr5a1	Zona Fasciculata 3	0.324	0.048	1.146	0.948
1	Dbp	Zona Fasciculata 5	1.267	4.20E-28	1.302	0.448
2	Serinc3	Zona Fasciculata 5	-0.659	1.20E-24	1.951	2.416
3	Hsd3b1	Zona Fasciculata 5	-0.606	4.63E-23	3.830	4.251
4	Nr4a1	Zona Fasciculata 5	-1.026	1.20E-20	0.746	1.431
5	Apoe	Zona Fasciculata 5	0.800	5.88E-20	1.265	0.735

6	Cyp21a1	Zona Fasciculata 5	-0.482	5.72E-18	3.797	4.129
7	Dbi	Zona Fasciculata 5	-0.463	6.47E-18	2.389	2.713
8	Junb	Zona Fasciculata 5	-1.342	7.63E-18	1.263	2.150
9	Me1	Zona Fasciculata 5	-0.551	1.01E-16	1.858	2.259
10	mt-Co1	Zona Fasciculata 5	-0.412	3.46E-16	4.625	4.912
11	Alas1	Zona Fasciculata 5	0.711	9.07E-16	2.458	1.951
12	Rps28	Zona Fasciculata 5	-0.348	1.89E-15	3.333	3.582
13	Anxa5	Zona Fasciculata 5	-0.579	2.52E-15	1.632	2.038
14	Akr1b7	Zona Fasciculata 5	-0.837	6.45E-15	2.431	3.022
15	Tuba1b	Zona Fasciculata 5	-0.605	2.48E-14	1.064	1.476
16	Gm8730	Zona Fasciculata 5	-0.541	5.47E-14	1.102	1.477
17	Pgam1	Zona Fasciculata 5	-0.394	2.53E-13	2.172	2.445
18	Hsp90aa1	Zona Fasciculata 5	0.506	4.25E-13	2.675	2.325
19	Dynll1	Zona Fasciculata 5	0.509	9.13E-13	2.089	1.741
20	Wdr89	Zona Fasciculata 5	-0.573	2.09E-12	0.978	1.363
21	Mt1	Zona Fasciculata 5	-0.982	2.41E-12	1.238	1.908
22	Tmsb4x	Zona Fasciculata 5	0.705	6.50E-12	1.128	0.677
23	Id2	Zona Fasciculata 5	-0.556	9.04E-12	2.156	2.553
24	Itm2c	Zona Fasciculata 5	-0.345	1.29E-11	2.761	3.002
25	Cyp11a1	Zona Fasciculata 5	-0.318	4.42E-11	3.974	4.188
26	Bri3	Zona Fasciculata 5	-0.421	1.74E-10	1.539	1.837
27	Fos	Zona Fasciculata 5	-1.145	1.71E-09	1.533	2.294
28	Tomm20	Zona Fasciculata 5	0.362	2.60E-09	1.592	1.345
29	Btg2	Zona Fasciculata 5	-1.009	2.07E-08	1.626	2.314
30	Scarb1	Zona Fasciculata 5	0.527	3.91E-07	1.770	1.409
31	Rpl9	Zona Fasciculata 5	0.214	4.01E-07	3.301	3.158
32	Sparc	Zona Fasciculata 5	-0.316	4.04E-07	2.594	2.816
33	Map1lc3a	Zona Fasciculata 5	0.314	5.32E-07	2.344	2.125
34	Clu	Zona Fasciculata 5	0.314	5.98E-07	2.630	2.402
35	Rps8	Zona Fasciculata 5	0.189	9.10E-07	3.528	3.400
36	Phlda1	Zona Fasciculata 5	0.571	1.01E-06	1.709	1.331
37	Tspan4	Zona Fasciculata 5	0.481	2.45E-06	1.019	0.710
38	Fkbp2	Zona Fasciculata 5	-0.339	6.23E-06	1.595	1.834
39	Fdx1	Zona Fasciculata 5	0.354	6.39E-06	2.934	2.682
40	Rps3a1	Zona Fasciculata 5	0.207	6.65E-06	3.255	3.116
41	Cyp11b1	Zona Fasciculata 5	0.686	6.94E-06	2.724	2.270
42	Rps2	Zona Fasciculata 5	0.213	7.56E-06	3.165	3.022
43	Echs1	Zona Fasciculata 5	-0.334	7.82E-06	1.277	1.506
44	Rps5	Zona Fasciculata 5	0.164	1.24E-05	3.510	3.401
45	Sap18	Zona Fasciculata 5	0.352	1.24E-05	1.233	0.998
46	Rps15a	Zona Fasciculata 5	0.182	1.33E-05	3.347	3.226
47	Sec61g	Zona Fasciculata 5	-0.295	1.62E-05	2.161	2.369
48	Rpl8	Zona Fasciculata 5	0.186	3.57E-05	3.012	2.885

49	Tst	Zona Fasciculata 5	-0.364	4.21E-05	1.475	1.728
50	Gadd45b	Zona Fasciculata 5	-0.507	4.83E-05	0.674	1.007
51	Dusp1	Zona Fasciculata 5	-0.707	5.06E-05	0.841	1.321
52	Wbp5	Zona Fasciculata 5	-0.284	5.79E-05	2.091	2.292
53	Ccnd2	Zona Fasciculata 5	0.279	6.07E-05	2.661	2.482
54	Rps3	Zona Fasciculata 5	0.170	8.55E-05	3.267	3.151
55	Srsf5	Zona Fasciculata 5	-0.353	9.15E-05	1.147	1.387
56	Pebp1	Zona Fasciculata 5	-0.202	1.28E-04	2.999	3.141
57	Gnb2l1	Zona Fasciculata 5	0.251	2.08E-04	2.009	1.828
58	Anp32a	Zona Fasciculata 5	-0.325	2.08E-04	1.310	1.535
59	Chka	Zona Fasciculata 5	-0.405	2.25E-04	0.835	1.108
60	Rpl18	Zona Fasciculata 5	0.191	2.40E-04	2.843	2.711
61	Rps13	Zona Fasciculata 5	0.182	2.81E-04	2.873	2.750
62	Actb	Zona Fasciculata 5	-0.351	2.90E-04	2.929	3.174
63	Rpl19	Zona Fasciculata 5	0.177	2.96E-04	3.089	2.968
64	Dnaja1	Zona Fasciculata 5	0.324	3.03E-04	2.025	1.801
65	Nceh1	Zona Fasciculata 5	-0.375	3.03E-04	0.808	1.052
66	Fxyd6	Zona Fasciculata 5	-0.291	3.45E-04	1.771	1.979
67	Klhdc8a	Zona Fasciculata 5	-0.269	3.45E-04	1.563	1.749
68	Cacybp	Zona Fasciculata 5	0.317	4.07E-04	1.090	0.881
69	Jund	Zona Fasciculata 5	-0.331	0.001	2.301	2.537
70	mt-Cytb	Zona Fasciculata 5	0.270	0.001	4.052	3.864
71	Malat1	Zona Fasciculata 5	-0.239	0.001	6.460	6.623
72	Fosb	Zona Fasciculata 5	-0.564	0.001	0.769	1.155
73	Prkar1a	Zona Fasciculata 5	-0.277	0.001	1.174	1.364
74	Jun	Zona Fasciculata 5	-0.453	0.001	1.998	2.313
75	Tmco1	Zona Fasciculata 5	-0.267	0.001	1.392	1.577
76	Mgst3	Zona Fasciculata 5	-0.323	0.001	1.311	1.531
77	Rpl13	Zona Fasciculata 5	0.169	0.001	3.759	3.647
78	Gadd45g	Zona Fasciculata 5	-0.611	0.001	0.877	1.274
79	Slc25a3	Zona Fasciculata 5	-0.240	0.002	2.487	2.657
80	Star	Zona Fasciculata 5	0.281	0.002	2.950	2.755
81	Laptm4b	Zona Fasciculata 5	-0.317	0.002	1.037	1.249
82	Vdac3	Zona Fasciculata 5	-0.279	0.002	1.491	1.684
83	Adh1	Zona Fasciculata 5	0.484	0.002	1.625	1.305
84	Sdsl	Zona Fasciculata 5	0.295	0.002	1.116	0.916
85	Aebp1	Zona Fasciculata 5	0.245	0.002	2.149	1.985
86	Rps18	Zona Fasciculata 5	0.143	0.002	3.567	3.471
87	Hao2	Zona Fasciculata 5	-0.367	0.003	0.949	1.197
88	Eef1g	Zona Fasciculata 5	0.192	0.003	2.275	2.154
89	Rpl14	Zona Fasciculata 5	0.162	0.003	3.225	3.114
90	Hist1h2bc	Zona Fasciculata 5	-0.292	0.003	1.349	1.550
91	Rps27rt	Zona Fasciculata 5	-0.286	0.003	1.208	1.400

92	Lonp1	Zona Fasciculata 5	-0.241	0.004	1.272	1.436
93	Rpl29	Zona Fasciculata 5	0.197	0.004	2.408	2.282
94	1110008P14Rik	Zona Fasciculata 5	-0.198	0.004	1.189	1.333
95	E330017L17Rik	Zona Fasciculata 5	-0.340	0.004	1.098	1.328
96	Rpl32	Zona Fasciculata 5	0.146	0.004	3.442	3.344
97	Cdc42	Zona Fasciculata 5	-0.200	0.004	1.789	1.919
98	mt-Nd4	Zona Fasciculata 5	0.232	0.004	3.740	3.579
99	Aldoa	Zona Fasciculata 5	-0.185	0.005	2.708	2.836
100	Rps14	Zona Fasciculata 5	0.132	0.006	3.968	3.883
101	Meg3	Zona Fasciculata 5	0.293	0.007	3.799	3.599
102	Rps15	Zona Fasciculata 5	0.143	0.007	3.096	3.001
103	Akr1a1	Zona Fasciculata 5	-0.210	0.008	1.974	2.129
104	Nedd4	Zona Fasciculata 5	0.264	0.008	1.310	1.133
105	Eef1a1	Zona Fasciculata 5	0.140	0.009	3.677	3.587
106	Rgs2	Zona Fasciculata 5	-0.377	0.009	1.489	1.747
107	Serpinh1	Zona Fasciculata 5	0.252	0.009	1.253	1.084
108	Gnb1	Zona Fasciculata 5	-0.276	0.012	1.088	1.276
109	Tceal8	Zona Fasciculata 5	-0.228	0.013	0.885	1.040
110	Cyb5a	Zona Fasciculata 5	-0.275	0.014	1.163	1.345
111	Cdk4	Zona Fasciculata 5	0.281	0.015	1.033	0.856
112	Mc2r	Zona Fasciculata 5	-0.276	0.016	1.314	1.508
113	Rpl18a	Zona Fasciculata 5	0.142	0.017	3.320	3.226
114	Nap1l1	Zona Fasciculata 5	0.129	0.018	1.022	0.932
115	Rps16	Zona Fasciculata 5	0.140	0.019	3.242	3.151
116	Pfn1	Zona Fasciculata 5	0.176	0.019	2.564	2.441
117	Coq10b	Zona Fasciculata 5	0.307	0.020	1.091	0.878
118	Rnaset2b	Zona Fasciculata 5	-0.300	0.020	0.991	1.188
119	Gnas	Zona Fasciculata 5	-0.148	0.020	2.708	2.809
120	Calr	Zona Fasciculata 5	-0.222	0.020	1.262	1.411
121	Calm2	Zona Fasciculata 5	-0.168	0.022	2.416	2.520
122	Rpl15	Zona Fasciculata 5	0.168	0.023	2.427	2.304
123	Rpl35a	Zona Fasciculata 5	0.127	0.023	3.648	3.552
124	Prdx1	Zona Fasciculata 5	-0.166	0.023	2.776	2.883
125	Ptp4a2	Zona Fasciculata 5	-0.208	0.023	1.463	1.613
126	Rps29	Zona Fasciculata 5	-0.119	0.023	3.597	3.683
127	Rnaset2a	Zona Fasciculata 5	-0.266	0.024	1.014	1.190
128	S100a10	Zona Fasciculata 5	0.288	0.026	1.175	0.989
129	Eef1d	Zona Fasciculata 5	0.196	0.027	1.824	1.682
130	Cyb5b	Zona Fasciculata 5	-0.257	0.028	1.666	1.856
131	Pfdn1	Zona Fasciculata 5	-0.256	0.028	1.034	1.205
132	Txn2	Zona Fasciculata 5	-0.202	0.030	1.795	1.937
133	Rps7	Zona Fasciculata 5	0.148	0.031	3.100	3.001
134	Npr1	Zona Fasciculata 5	-0.267	0.031	1.011	1.194

135	1110001J03Rik	Zona Fasciculata 5	-0.276	0.031	0.888	1.069
136	2010107E04Rik	Zona Fasciculata 5	-0.205	0.036	1.610	1.767
137	Ftl1	Zona Fasciculata 5	0.201	0.037	3.547	3.414
138	Smim11	Zona Fasciculata 5	0.247	0.037	1.203	1.049
139	Uqcc2	Zona Fasciculata 5	0.217	0.038	1.782	1.633
140	Ckb	Zona Fasciculata 5	0.286	0.039	1.261	1.073
141	Gm1673	Zona Fasciculata 5	0.250	0.039	1.433	1.266
142	Fau	Zona Fasciculata 5	0.128	0.040	3.058	2.972
143	Psma6	Zona Fasciculata 5	-0.233	0.040	1.281	1.443
144	Stx7	Zona Fasciculata 5	-0.279	0.041	0.946	1.130
145	Smim14	Zona Fasciculata 5	-0.225	0.041	1.341	1.501
146	Dstn	Zona Fasciculata 5	-0.226	0.041	1.472	1.639
147	Atp1a1	Zona Fasciculata 5	0.205	0.042	1.914	1.772
148	Ubb	Zona Fasciculata 5	-0.141	0.043	3.901	3.993
1	Nfkbia	Zona Glomerulosa 1	-1.034	2.77E-41	0.683	1.345
2	Serinc3	Zona Glomerulosa 1	-0.582	1.07E-33	2.064	2.463
3	Rps28	Zona Glomerulosa 1	-0.382	5.45E-28	3.412	3.681
4	Nr4a1	Zona Glomerulosa 1	-0.929	4.06E-19	0.990	1.611
5	Gm8730	Zona Glomerulosa 1	-0.600	4.39E-19	0.985	1.374
6	Dynll1	Zona Glomerulosa 1	0.570	2.47E-17	2.081	1.697
7	Malat1	Zona Glomerulosa 1	-0.454	1.21E-14	6.009	6.317
8	Rnaset2a	Zona Glomerulosa 1	-0.508	1.79E-13	1.180	1.506
9	ApoE	Zona Glomerulosa 1	0.625	1.65E-11	1.188	0.792
10	Rnaset2b	Zona Glomerulosa 1	-0.455	1.95E-11	1.120	1.412
11	Tpd5211	Zona Glomerulosa 1	-0.523	1.95E-11	0.900	1.222
12	Igfbp7	Zona Glomerulosa 1	-0.407	4.17E-09	2.638	2.910
13	Cpe	Zona Glomerulosa 1	-0.212	4.41E-09	3.517	3.656
14	Tmsb4x	Zona Glomerulosa 1	0.742	4.97E-09	2.049	1.588
15	Mgst3	Zona Glomerulosa 1	-0.460	1.70E-08	1.112	1.393
16	Sept4	Zona Glomerulosa 1	-0.587	3.21E-08	0.723	1.094
17	Star	Zona Glomerulosa 1	0.372	3.25E-08	2.885	2.630
18	Rpl15	Zona Glomerulosa 1	0.260	8.05E-08	2.516	2.337
19	Tuba1b	Zona Glomerulosa 1	-0.487	8.08E-08	1.148	1.452
20	Btg1	Zona Glomerulosa 1	-0.506	1.06E-07	1.276	1.585
21	Itm2b	Zona Glomerulosa 1	-0.234	1.07E-07	2.632	2.782
22	Wdr89	Zona Glomerulosa 1	-0.263	1.22E-07	1.028	1.217
23	Gstp1	Zona Glomerulosa 1	0.424	1.22E-07	1.007	0.735
24	Me1	Zona Glomerulosa 1	-0.390	1.44E-07	1.477	1.732
25	Hsp90aa1	Zona Glomerulosa 1	0.354	2.45E-07	2.571	2.322
26	Map1lc3a	Zona Glomerulosa 1	0.305	4.79E-07	2.348	2.143
27	Hsp90ab1	Zona Glomerulosa 1	0.198	1.74E-06	3.243	3.109
28	Anxa5	Zona Glomerulosa 1	-0.380	1.74E-06	1.264	1.507
29	Akr1cl	Zona Glomerulosa 1	-0.341	4.81E-06	2.189	2.416



30	Pcolce	Zona Glomerulosa 1	-0.293	7.36E-06	2.151	2.336
31	Dync1i2	Zona Glomerulosa 1	-0.370	7.86E-06	0.820	1.038
32	S100a10	Zona Glomerulosa 1	0.382	1.30E-05	1.425	1.168
33	Rapgef4	Zona Glomerulosa 1	-0.363	1.86E-05	0.881	1.107
34	Dpysl2	Zona Glomerulosa 1	-0.408	2.80E-05	0.834	1.078
35	Dstn	Zona Glomerulosa 1	-0.228	5.70E-05	1.634	1.798
36	mt-Cytb	Zona Glomerulosa 1	0.270	9.63E-05	4.187	4.005
37	Fam195a	Zona Glomerulosa 1	0.351	1.97E-04	1.133	0.903
38	Rps27rt	Zona Glomerulosa 1	-0.300	2.12E-04	1.236	1.425
39	Dnaja1	Zona Glomerulosa 1	0.278	3.36E-04	2.018	1.817
40	Sparc	Zona Glomerulosa 1	-0.221	3.41E-04	2.512	2.664
41	Wnt4	Zona Glomerulosa 1	-0.248	0.001	2.651	2.840
42	Vsnl1	Zona Glomerulosa 1	0.379	0.001	1.847	1.590
43	Ndn	Zona Glomerulosa 1	-0.204	0.001	2.367	2.498
44	Rps29	Zona Glomerulosa 1	-0.136	0.001	3.547	3.646
45	Pfn1	Zona Glomerulosa 1	0.177	0.001	2.822	2.703
46	Ckb	Zona Glomerulosa 1	0.309	0.001	1.790	1.568
47	Chchd2	Zona Glomerulosa 1	0.149	0.001	3.165	3.073
48	mt-Co1	Zona Glomerulosa 1	-0.177	0.001	4.738	4.871
49	Cox8a	Zona Glomerulosa 1	0.153	0.001	2.736	2.638
50	Hypk	Zona Glomerulosa 1	-0.288	0.001	1.026	1.201
51	Aifm1	Zona Glomerulosa 1	-0.270	0.002	0.880	1.046
52	Slc25a5	Zona Glomerulosa 1	0.264	0.002	1.488	1.306
53	Pdgfa	Zona Glomerulosa 1	-0.315	0.002	0.913	1.096
54	Cyp11a1	Zona Glomerulosa 1	-0.192	0.003	3.663	3.783
55	Rpsa	Zona Glomerulosa 1	0.177	0.003	2.646	2.526
56	Cyb5a	Zona Glomerulosa 1	-0.274	0.003	1.285	1.467
57	Fau	Zona Glomerulosa 1	0.134	0.003	3.093	3.002
58	Hspe1	Zona Glomerulosa 1	0.258	0.003	3.459	3.298
59	Rplp2	Zona Glomerulosa 1	0.133	0.004	3.069	2.984
60	Ptp4a2	Zona Glomerulosa 1	-0.201	0.004	1.224	1.364
61	Bri3	Zona Glomerulosa 1	-0.230	0.005	1.543	1.706
62	Ndufv2	Zona Glomerulosa 1	-0.209	0.005	1.305	1.433
63	Tpi1	Zona Glomerulosa 1	0.209	0.006	1.986	1.839
64	Rpl23a-ps3	Zona Glomerulosa 1	-0.247	0.006	1.049	1.198
65	Gnb1	Zona Glomerulosa 1	-0.267	0.007	1.151	1.324
66	Tceb2	Zona Glomerulosa 1	0.149	0.007	2.601	2.502
67	Ybx1	Zona Glomerulosa 1	0.169	0.007	2.301	2.182
68	Cyb5r3	Zona Glomerulosa 1	0.290	0.007	1.021	0.830
69	App	Zona Glomerulosa 1	-0.166	0.007	1.174	1.287
70	Hspd1	Zona Glomerulosa 1	0.248	0.008	2.625	2.465
71	Gstm1	Zona Glomerulosa 1	-0.296	0.008	1.815	2.008
72	mt-Nd3	Zona Glomerulosa 1	-0.295	0.008	1.260	1.452

73	Uqcrq	Zona Glomerulosa 1	0.191	0.008	2.016	1.893
74	Agtr1a	Zona Glomerulosa 1	-0.254	0.010	1.651	1.822
75	Eef1d	Zona Glomerulosa 1	0.199	0.010	1.749	1.603
76	Laptm4b	Zona Glomerulosa 1	-0.135	0.010	0.985	1.069
77	Sec61b	Zona Glomerulosa 1	0.180	0.013	2.333	2.221
78	Comt	Zona Glomerulosa 1	-0.159	0.013	2.030	2.131
79	Klhdc8a	Zona Glomerulosa 1	-0.210	0.014	1.561	1.705
80	Mob4	Zona Glomerulosa 1	-0.251	0.014	1.602	1.772
81	Scarb1	Zona Glomerulosa 1	0.349	0.016	1.444	1.242
82	Arl6ip1	Zona Glomerulosa 1	-0.185	0.016	1.732	1.862
83	Hibadh	Zona Glomerulosa 1	-0.259	0.018	1.005	1.152
84	Hsd3b1	Zona Glomerulosa 1	-0.189	0.020	3.550	3.685
85	Uba52	Zona Glomerulosa 1	0.176	0.022	1.850	1.730
86	Myl12a	Zona Glomerulosa 1	-0.163	0.022	1.522	1.630
87	Rpl9-ps6	Zona Glomerulosa 1	-0.238	0.023	1.065	1.220
88	Pam	Zona Glomerulosa 1	-0.185	0.023	1.591	1.715
89	Rps3	Zona Glomerulosa 1	0.107	0.023	3.257	3.184
90	Srp19	Zona Glomerulosa 1	0.253	0.024	1.217	1.055
91	Sorbs2	Zona Glomerulosa 1	-0.211	0.031	1.629	1.776
92	Rpl7a	Zona Glomerulosa 1	0.143	0.032	2.418	2.323
93	1700025G04Rik	Zona Glomerulosa 1	0.244	0.032	1.191	1.027
94	Fos	Zona Glomerulosa 1	-0.309	0.033	2.967	3.179
95	Srsf5	Zona Glomerulosa 1	-0.200	0.033	1.241	1.374
96	Rps10	Zona Glomerulosa 1	0.124	0.033	2.735	2.655
97	Rpl10a	Zona Glomerulosa 1	0.137	0.035	2.667	2.575
98	Eif2s2	Zona Glomerulosa 1	-0.182	0.035	1.650	1.777
99	Atp1a1	Zona Glomerulosa 1	0.201	0.036	1.832	1.696
100	Tpt1	Zona Glomerulosa 1	0.122	0.037	2.882	2.809
101	Egr1	Zona Glomerulosa 1	-0.347	0.038	1.114	1.337
102	Sra1	Zona Glomerulosa 1	0.227	0.040	1.138	0.988
103	Rpl27	Zona Glomerulosa 1	0.138	0.048	2.338	2.245
104	Hmgn3	Zona Glomerulosa 1	0.275	0.048	1.127	0.957
1	Nfkbia	Zona Glomerulosa 2	-0.788	3.67E-29	0.512	1.043
2	Fos	Zona Glomerulosa 2	-0.944	2.85E-24	0.608	1.256
3	Tuba1b	Zona Glomerulosa 2	-0.603	2.34E-19	1.054	1.467
4	Serinc3	Zona Glomerulosa 2	-0.450	2.60E-19	2.116	2.434
5	Dynll1	Zona Glomerulosa 2	0.539	1.70E-18	2.181	1.800
6	Apoe	Zona Glomerulosa 2	0.687	1.19E-17	1.231	0.758
7	Gm8730	Zona Glomerulosa 2	-0.532	2.76E-17	0.941	1.304
8	Rps28	Zona Glomerulosa 2	-0.260	5.09E-16	3.458	3.638
9	Hsp90aa1	Zona Glomerulosa 2	0.430	1.23E-14	2.481	2.182
10	Btg2	Zona Glomerulosa 2	-0.694	1.74E-13	0.727	1.196
11	Wdr89	Zona Glomerulosa 2	-0.459	1.58E-11	0.986	1.300

12	Btg1	Zona Glomerulosa 2	-0.477	5.37E-11	0.769	1.089
13	Gstp1	Zona Glomerulosa 2	0.440	1.05E-10	1.003	0.701
14	Malat1	Zona Glomerulosa 2	-0.450	1.14E-08	6.008	6.321
15	mt-Co1	Zona Glomerulosa 2	-0.229	1.97E-08	4.745	4.903
16	Rps15a	Zona Glomerulosa 2	0.195	3.80E-08	3.350	3.214
17	Pfn1	Zona Glomerulosa 2	0.235	1.32E-07	2.865	2.702
18	Rps5	Zona Glomerulosa 2	0.176	3.18E-07	3.500	3.378
19	Tspan12	Zona Glomerulosa 2	-0.331	4.03E-07	1.409	1.649
20	Rpl19	Zona Glomerulosa 2	0.178	5.55E-07	3.095	2.972
21	Rps27rt	Zona Glomerulosa 2	-0.353	5.55E-07	1.225	1.468
22	mt-Nd3	Zona Glomerulosa 2	-0.403	5.56E-07	1.282	1.560
23	Rps3a1	Zona Glomerulosa 2	0.177	1.53E-06	3.267	3.144
24	Rnaset2a	Zona Glomerulosa 2	-0.321	1.63E-06	1.151	1.369
25	Dstn	Zona Glomerulosa 2	-0.314	1.95E-06	1.656	1.879
26	Agtr1a	Zona Glomerulosa 2	-0.372	2.53E-06	1.527	1.786
27	Rpl32	Zona Glomerulosa 2	0.169	2.64E-06	3.414	3.297
28	Naca	Zona Glomerulosa 2	0.196	3.38E-06	2.707	2.571
29	Rps16	Zona Glomerulosa 2	0.173	3.92E-06	3.276	3.155
30	Jun	Zona Glomerulosa 2	-0.459	4.02E-06	0.777	1.082
31	Uba52	Zona Glomerulosa 2	0.273	5.70E-06	1.904	1.709
32	Tmsb4x	Zona Glomerulosa 2	0.539	8.43E-06	1.880	1.508
33	Rpl8	Zona Glomerulosa 2	0.193	8.72E-06	2.978	2.844
34	Rpl18	Zona Glomerulosa 2	0.190	8.72E-06	2.784	2.651
35	Rps8	Zona Glomerulosa 2	0.148	9.07E-06	3.588	3.485
36	Rpl9	Zona Glomerulosa 2	0.166	9.71E-06	3.267	3.152
37	Rps7	Zona Glomerulosa 2	0.187	9.71E-06	3.085	2.946
38	Hspe1	Zona Glomerulosa 2	0.296	2.30E-05	3.578	3.373
39	Phb	Zona Glomerulosa 2	0.280	2.54E-05	1.384	1.185
40	Mob4	Zona Glomerulosa 2	-0.270	3.33E-05	1.612	1.796
41	Star	Zona Glomerulosa 2	0.276	3.34E-05	2.747	2.556
42	Eef1b2	Zona Glomerulosa 2	0.255	3.72E-05	1.703	1.521
43	Sap18	Zona Glomerulosa 2	0.307	3.96E-05	1.248	1.033
44	Rps3	Zona Glomerulosa 2	0.150	5.71E-05	3.269	3.165
45	Hspa8	Zona Glomerulosa 2	0.201	6.64E-05	3.196	3.057
46	Anxa5	Zona Glomerulosa 2	-0.329	6.78E-05	1.309	1.537
47	Ckb	Zona Glomerulosa 2	0.334	8.11E-05	1.722	1.483
48	Rps10	Zona Glomerulosa 2	0.182	1.21E-04	2.716	2.582
49	Fam195a	Zona Glomerulosa 2	0.342	1.56E-04	1.126	0.888
50	Rps6	Zona Glomerulosa 2	0.159	1.70E-04	3.223	3.113
51	Fau	Zona Glomerulosa 2	0.150	1.88E-04	3.090	2.986
52	Rpl30	Zona Glomerulosa 2	0.198	1.94E-04	2.400	2.262
53	Atpif1	Zona Glomerulosa 2	0.232	2.13E-04	2.359	2.195
54	Dpysl2	Zona Glomerulosa 2	-0.333	2.30E-04	0.782	1.005

55	Rpl35a	Zona Glomerulosa 2	0.130	2.50E-04	3.561	3.470
56	Rpl27a	Zona Glomerulosa 2	0.143	2.94E-04	3.223	3.123
57	Ndufa11	Zona Glomerulosa 2	0.230	3.09E-04	2.010	1.844
58	Rpl15	Zona Glomerulosa 2	0.196	3.26E-04	2.489	2.348
59	Rps14	Zona Glomerulosa 2	0.125	4.02E-04	3.872	3.786
60	Rplp0	Zona Glomerulosa 2	0.161	4.02E-04	2.957	2.837
61	Fth1	Zona Glomerulosa 2	0.146	4.05E-04	3.943	3.841
62	Rpl14	Zona Glomerulosa 2	0.145	4.15E-04	3.218	3.117
63	Rnaset2b	Zona Glomerulosa 2	-0.269	4.53E-04	1.157	1.341
64	Rpl13a	Zona Glomerulosa 2	0.115	0.001	3.719	3.639
65	Rps4x	Zona Glomerulosa 2	0.150	0.001	3.124	3.020
66	Rpl13	Zona Glomerulosa 2	0.143	0.001	3.677	3.577
67	Rpl10a	Zona Glomerulosa 2	0.184	0.001	2.624	2.497
68	Rps17	Zona Glomerulosa 2	0.140	0.001	3.073	2.976
69	St3gal5	Zona Glomerulosa 2	-0.263	0.001	1.409	1.593
70	Me1	Zona Glomerulosa 2	-0.260	0.001	1.572	1.754
71	Rps9	Zona Glomerulosa 2	0.136	0.001	3.054	2.959
72	Rgs2	Zona Glomerulosa 2	-0.313	0.001	1.093	1.304
73	Rpl11	Zona Glomerulosa 2	0.132	0.001	3.230	3.138
74	Rpl18a	Zona Glomerulosa 2	0.137	0.002	3.333	3.237
75	Tma7	Zona Glomerulosa 2	0.214	0.002	1.891	1.737
76	Prkar1a	Zona Glomerulosa 2	-0.250	0.002	1.249	1.426
77	Tpd52l1	Zona Glomerulosa 2	-0.294	0.002	0.821	1.017
78	Jund	Zona Glomerulosa 2	-0.286	0.002	1.691	1.890
79	Rpl37a	Zona Glomerulosa 2	0.121	0.002	3.704	3.619
80	Mgst1	Zona Glomerulosa 2	-0.242	0.002	1.654	1.829
81	Rps20	Zona Glomerulosa 2	0.156	0.002	2.718	2.610
82	Chchd2	Zona Glomerulosa 2	0.146	0.002	3.132	3.031
83	Ccnd1	Zona Glomerulosa 2	-0.192	0.002	1.455	1.603
84	Rps27a	Zona Glomerulosa 2	0.123	0.002	3.339	3.254
85	Ifitm2	Zona Glomerulosa 2	0.153	0.003	3.085	2.978
86	Rpl7	Zona Glomerulosa 2	0.147	0.003	2.786	2.684
87	Dnaja1	Zona Glomerulosa 2	0.233	0.003	2.009	1.841
88	Ptp4a2	Zona Glomerulosa 2	-0.244	0.003	1.243	1.412
89	Npr1	Zona Glomerulosa 2	-0.240	0.004	0.964	1.124
90	Eef1g	Zona Glomerulosa 2	0.187	0.004	2.345	2.207
91	Rps23	Zona Glomerulosa 2	0.114	0.004	3.536	3.456
92	Rps15	Zona Glomerulosa 2	0.139	0.004	3.085	2.988
93	Alas1	Zona Glomerulosa 2	0.284	0.004	2.083	1.881
94	mt-Cytb	Zona Glomerulosa 2	0.196	0.004	4.264	4.128
95	Rpl34	Zona Glomerulosa 2	0.127	0.004	3.109	3.020
96	Actg1	Zona Glomerulosa 2	0.238	0.005	2.558	2.385
97	Rapgef4	Zona Glomerulosa 2	-0.208	0.005	0.874	1.012

98	Hypk	Zona Glomerulosa 2	-0.183	0.006	1.106	1.228
99	Id2	Zona Glomerulosa 2	-0.243	0.007	2.192	2.359
100	Mgst3	Zona Glomerulosa 2	-0.159	0.007	1.327	1.431
101	Map1lc3a	Zona Glomerulosa 2	0.199	0.007	2.325	2.181
102	Eef1d	Zona Glomerulosa 2	0.201	0.007	1.746	1.597
103	Sdhb	Zona Glomerulosa 2	0.211	0.008	1.716	1.565
104	Kcnn2	Zona Glomerulosa 2	0.275	0.008	1.216	1.024
105	Cdkn1c	Zona Glomerulosa 2	0.308	0.008	1.216	1.000
106	Gnb2l1	Zona Glomerulosa 2	0.185	0.009	2.056	1.919
107	Gnas	Zona Glomerulosa 2	-0.124	0.009	2.805	2.890
108	Rpl28	Zona Glomerulosa 2	0.134	0.010	2.768	2.670
109	Bsg	Zona Glomerulosa 2	0.148	0.011	2.243	2.128
110	Rhoa	Zona Glomerulosa 2	-0.219	0.012	1.479	1.634
111	Pam	Zona Glomerulosa 2	-0.245	0.013	1.519	1.684
112	Bri3	Zona Glomerulosa 2	-0.189	0.013	1.631	1.770
113	Fkbp4	Zona Glomerulosa 2	0.250	0.013	1.248	1.069
114	Rps18	Zona Glomerulosa 2	0.109	0.014	3.504	3.428
115	Eef1a1	Zona Glomerulosa 2	0.107	0.016	3.666	3.592
116	Tpt1	Zona Glomerulosa 2	0.133	0.016	2.847	2.754
117	Rpl23	Zona Glomerulosa 2	0.104	0.017	3.368	3.296
118	Gnb1	Zona Glomerulosa 2	-0.280	0.017	1.146	1.339
119	Meg3	Zona Glomerulosa 2	0.113	0.018	3.484	3.472
120	Hist1h2bc	Zona Glomerulosa 2	-0.239	0.018	0.944	1.099
121	Rpl26	Zona Glomerulosa 2	0.103	0.019	3.362	3.290
122	Uqcr11	Zona Glomerulosa 2	0.144	0.019	2.590	2.490
123	Hint1	Zona Glomerulosa 2	0.161	0.019	2.024	1.912
124	Ndufb5	Zona Glomerulosa 2	0.182	0.019	1.982	1.849
125	Cpe	Zona Glomerulosa 2	-0.117	0.019	3.541	3.622
126	Gm9843	Zona Glomerulosa 2	-0.187	0.021	1.355	1.485
127	H3f3b	Zona Glomerulosa 2	-0.200	0.021	1.796	1.938
128	Rps2	Zona Glomerulosa 2	0.121	0.022	3.130	3.046
129	Ndufs3	Zona Glomerulosa 2	0.194	0.022	1.638	1.495
130	Rpl4	Zona Glomerulosa 2	0.138	0.023	2.746	2.650
131	Cyb5r3	Zona Glomerulosa 2	0.240	0.023	1.028	0.860
132	Hsp90ab1	Zona Glomerulosa 2	0.130	0.023	3.185	3.095
133	Ifi27	Zona Glomerulosa 2	0.160	0.024	2.587	2.472
134	Srp14	Zona Glomerulosa 2	0.181	0.027	1.830	1.701
135	Rpl29	Zona Glomerulosa 2	0.139	0.027	2.445	2.344
136	Rps13	Zona Glomerulosa 2	0.116	0.031	2.881	2.794
137	Igfbp7	Zona Glomerulosa 2	-0.209	0.031	2.764	2.908
138	Rpl31	Zona Glomerulosa 2	0.127	0.033	2.662	2.573
139	Uqcrc1	Zona Glomerulosa 2	-0.186	0.033	1.303	1.433
140	Hes6	Zona Glomerulosa 2	0.243	0.033	1.126	0.954

141	Pdgfa	Zona Glomerulosa 2	-0.242	0.033	0.870	1.031
142	Rpl12	Zona Glomerulosa 2	0.175	0.036	1.986	1.857
143	Rps25	Zona Glomerulosa 2	0.111	0.036	2.956	2.879
144	Reep5	Zona Glomerulosa 2	0.158	0.036	2.555	2.446
145	Rpl6	Zona Glomerulosa 2	0.098	0.043	3.323	3.255
146	Cox8a	Zona Glomerulosa 2	0.116	0.043	2.714	2.643
147	App	Zona Glomerulosa 2	-0.211	0.043	1.125	1.270
148	Cd63	Zona Glomerulosa 2	0.136	0.045	2.362	2.257
149	Klhdc8a	Zona Glomerulosa 2	-0.191	0.048	1.676	1.816
150	Scarb1	Zona Glomerulosa 2	0.290	0.048	1.392	1.190
151	Zfp36l1	Zona Glomerulosa 2	-0.233	0.048	0.978	1.134
152	Eif1	Zona Glomerulosa 2	0.123	0.048	2.808	2.723
153	Ran	Zona Glomerulosa 2	0.144	0.048	1.708	1.590
1	Nr4a1	Transition Zone 1	-1.558	7.17E-22	0.722	1.690
2	Dynll1	Transition Zone 1	0.530	5.16E-12	2.287	1.927
3	Btg1	Transition Zone 1	-0.774	1.27E-09	1.001	1.430
4	Rps28	Transition Zone 1	-0.400	9.07E-09	3.480	3.771
5	Gm8730	Transition Zone 1	-0.583	1.09E-07	1.030	1.343
6	Rgs2	Transition Zone 1	-0.621	3.69E-07	1.084	1.475
7	Nfkbia	Transition Zone 1	-0.747	9.52E-06	0.742	1.163
8	Serinc3	Transition Zone 1	-0.292	1.44E-05	2.067	2.263
9	Wdr89	Transition Zone 1	-0.392	2.37E-05	1.135	1.387
10	Junb	Transition Zone 1	-1.219	2.51E-05	1.116	1.745
11	mt-Co1	Transition Zone 1	-0.296	3.45E-05	4.865	5.077
12	Fos	Transition Zone 1	-1.207	2.03E-04	1.416	2.129
13	mt-Nd3	Transition Zone 1	-0.437	2.32E-04	1.441	1.726
14	Rpl15	Transition Zone 1	0.223	2.45E-04	2.498	2.348
15	Hsp90aa1	Transition Zone 1	0.360	3.64E-04	2.424	2.167
16	Rnaset2a	Transition Zone 1	-0.486	3.64E-04	0.959	1.217
17	Snrnp27	Transition Zone 1	-0.385	0.001	0.935	1.160
18	Btg2	Transition Zone 1	-0.962	0.001	1.514	2.099
19	Dnaja1	Transition Zone 1	0.270	0.001	1.880	1.665
20	Dstn	Transition Zone 1	-0.277	0.001	1.658	1.844
21	Uba52	Transition Zone 1	0.259	0.002	1.949	1.778
22	Sap18	Transition Zone 1	0.250	0.002	1.240	1.062
23	Pde10a	Transition Zone 1	-0.514	0.002	0.993	1.297
24	Mgst3	Transition Zone 1	0.089	0.003	1.209	1.354
25	Dync1i2	Transition Zone 1	-0.311	0.003	0.872	1.079
26	Zfp36l1	Transition Zone 1	-0.635	0.005	1.239	1.490
27	Malat1	Transition Zone 1	-0.368	0.007	5.951	6.191
28	Naca	Transition Zone 1	0.190	0.007	2.623	2.499
29	Ybx1	Transition Zone 1	0.217	0.008	2.228	2.078
30	Rpl13	Transition Zone 1	0.173	0.010	3.702	3.584

31	Chka	Transition Zone 1	-0.747	0.010	0.846	1.118
32	Hsp90ab1	Transition Zone 1	0.187	0.012	3.187	3.052
33	Rps27rt	Transition Zone 1	-0.376	0.015	1.222	1.413
34	Eif2s2	Transition Zone 1	-0.265	0.016	1.652	1.826
35	Lrrc58	Transition Zone 1	-0.434	0.018	0.855	1.052
36	Dusp1	Transition Zone 1	-0.782	0.018	0.931	1.320
37	Map1lc3a	Transition Zone 1	0.328	0.019	2.374	2.193
38	Cpe	Transition Zone 1	-0.212	0.019	3.319	3.468
39	Pdcd4	Transition Zone 1	-0.266	0.020	0.871	1.057
40	Rps13	Transition Zone 1	0.166	0.020	2.942	2.839
41	Apoc4	Transition Zone 1	0.425	0.020	1.460	1.242
42	Cyb5r3	Transition Zone 1	0.430	0.020	1.028	0.841
43	Rps29	Transition Zone 1	-0.206	0.023	3.668	3.818
44	Fam195a	Transition Zone 1	0.374	0.029	1.130	0.939
45	Ccnd3	Transition Zone 1	0.354	0.030	1.501	1.321
46	Jund	Transition Zone 1	-0.514	0.032	2.056	2.372
47	Dpysl2	Transition Zone 1	-0.081	0.032	0.944	1.095
48	Cox17	Transition Zone 1	-0.253	0.032	1.831	2.012
49	Eif3f	Transition Zone 1	0.259	0.035	1.730	1.582
50	Cited2	Transition Zone 1	-0.475	0.035	0.808	1.111
51	Fosb	Transition Zone 1	-0.598	0.035	0.745	1.096
52	Usmg5	Transition Zone 1	-0.249	0.035	1.844	2.031
1	Nr4a1	Transition Zone 2	-1.152	3.23E-11	0.307	1.101
2	Dbp	Transition Zone 2	1.084	6.58E-07	1.109	0.374
3	Nfkbia	Transition Zone 2	-0.810	3.62E-06	0.496	1.036
4	Fos	Transition Zone 2	-0.930	2.45E-04	0.651	1.284
5	Rps28	Transition Zone 2	-0.273	0.001	3.404	3.592
6	Gstp1	Transition Zone 2	0.634	0.001	1.111	0.685
7	Btg2	Transition Zone 2	-0.720	0.001	0.701	1.210
8	Agr1a	Transition Zone 2	-0.455	0.002	1.568	1.878
9	Serinc3	Transition Zone 2	-0.456	0.005	2.118	2.441
10	Akr1b10	Transition Zone 2	-0.424	0.021	1.164	1.463
11	Apoe	Transition Zone 2	0.564	0.021	1.188	0.825
12	Dynll1	Transition Zone 2	0.436	0.027	2.171	1.866
13	Star	Transition Zone 2	0.462	0.028	2.998	2.679
14	Hsp90aa1	Transition Zone 2	0.378	0.033	2.516	2.244
15	Mob4	Transition Zone 2	-0.443	0.033	1.717	2.031
16	Tuba1b	Transition Zone 2	-0.571	0.033	1.018	1.399
17	Rnaset2a	Transition Zone 2	-0.425	0.034	1.119	1.407
18	Eno1	Transition Zone 2	0.406	0.039	1.708	1.420
19	Uba52	Transition Zone 2	0.337	0.039	1.865	1.630
20	Pde10a	Transition Zone 2	-0.557	0.045	0.828	1.194
21	Rps8	Transition Zone 2	0.175	0.046	3.537	3.415

1	Gm8730	Macrophages 1	-0.550	1.64E-18	1.448	2.047
2	Hspe1	Macrophages 1	0.511	1.67E-11	2.409	1.849
3	Wdr89	Macrophages 1	-0.416	1.67E-11	1.283	1.765
4	Hspa1a	Macrophages 1	1.141	1.95E-11	3.084	2.118
5	Hsp90aa1	Macrophages 1	0.702	1.02E-10	2.887	2.283
6	Cxcl2	Macrophages 1	-0.699	3.14E-10	5.002	5.494
7	Bcl2a1b	Macrophages 1	-0.701	3.42E-10	2.635	3.209
8	Rps27rt	Macrophages 1	-0.376	2.78E-09	1.141	1.640
9	Ifrd1	Macrophages 1	-0.526	6.11E-09	2.619	3.176
10	Nlrp3	Macrophages 1	-0.568	6.11E-09	1.340	1.920
11	Tuba1c	Macrophages 1	-0.387	1.09E-08	0.866	1.394
12	Cd83	Macrophages 1	-0.537	1.36E-08	3.230	3.637
13	Hspa8	Macrophages 1	0.473	1.85E-08	4.152	3.831
14	Rps28	Macrophages 1	-0.338	2.37E-08	3.660	3.891
15	Sdc4	Macrophages 1	-0.661	2.37E-08	2.515	3.171
16	Bcl2a1d	Macrophages 1	-0.458	4.11E-08	1.545	2.097
17	Tnfaip3	Macrophages 1	-0.425	5.15E-08	1.915	2.430
18	Hsp90ab1	Macrophages 1	0.437	1.40E-07	3.484	3.141
19	Fdx1	Macrophages 1	0.305	4.23E-07	1.270	0.809
20	Ly6d	Macrophages 1	0.352	8.09E-07	1.554	1.116
21	Maff	Macrophages 1	-0.451	1.09E-06	0.944	1.430
22	Plek	Macrophages 1	-0.424	1.66E-06	1.452	1.937
23	Hk2	Macrophages 1	-0.443	2.19E-06	0.582	1.032
24	Btg1	Macrophages 1	-0.496	2.63E-06	2.275	2.708
25	Wsb1	Macrophages 1	-0.375	4.66E-06	0.742	1.203
26	Klf2	Macrophages 1	0.586	5.98E-06	4.002	3.397
27	Jun	Macrophages 1	0.620	6.58E-06	4.233	3.803
28	Hmgn2	Macrophages 1	0.372	9.19E-06	1.145	0.671
29	Dnaja1	Macrophages 1	0.452	1.47E-05	2.110	1.610
30	Jund	Macrophages 1	0.486	5.46E-05	3.682	3.341
31	Srgn	Macrophages 1	-0.401	7.32E-05	2.751	3.073
32	Lilr4b	Macrophages 1	-0.400	7.70E-05	1.913	2.303
33	Nmt1	Macrophages 1	-0.278	8.43E-05	0.882	1.245
34	Ddx5	Macrophages 1	-0.351	8.58E-05	3.030	3.292
35	Hspd1	Macrophages 1	0.275	8.61E-05	1.312	0.903
36	Ninj1	Macrophages 1	-0.377	2.54E-04	0.771	1.185
37	Slfn2	Macrophages 1	-0.371	3.39E-04	1.194	1.633
38	Rps27	Macrophages 1	-0.228	4.24E-04	4.054	4.219
39	Cdkn1a	Macrophages 1	-0.506	4.53E-04	2.056	2.615
40	Cd14	Macrophages 1	-0.539	0.001	1.935	2.363
41	Csrnp1	Macrophages 1	-0.284	0.001	1.024	1.412
42	Ahsa1	Macrophages 1	0.265	0.001	1.053	0.851
43	Nfkbib	Macrophages 1	-0.150	0.001	1.091	1.445



44	Pim1	Macrophages 1	-0.408	0.002	2.320	2.721
45	Sqstm1	Macrophages 1	-0.345	0.003	1.842	2.217
46	Spag9	Macrophages 1	-0.263	0.004	0.816	1.136
47	Dnajb1	Macrophages 1	0.509	0.005	1.693	1.229
48	Ccl4	Macrophages 1	-0.544	0.005	4.445	4.909
49	Kdm6b	Macrophages 1	-0.337	0.006	1.803	2.156
50	Rasgef1b	Macrophages 1	-0.319	0.006	1.705	2.076
51	Eif4a1	Macrophages 1	-0.259	0.007	2.733	2.937
52	Fosb	Macrophages 1	0.441	0.007	2.401	2.014
53	Ssh2	Macrophages 1	0.277	0.007	1.006	0.756
54	Ehd1	Macrophages 1	-0.118	0.010	0.872	1.163
55	Fus	Macrophages 1	-0.239	0.011	1.423	1.747
56	Lilrb4a	Macrophages 1	-0.228	0.013	2.008	2.275
57	Nfkbia	Macrophages 1	-0.280	0.014	4.093	4.355
58	H2-M2	Macrophages 1	-0.773	0.014	0.876	1.406
59	Cks2	Macrophages 1	-0.398	0.015	0.879	1.187
60	Ccl3	Macrophages 1	-0.422	0.015	3.906	4.196
61	Klf13	Macrophages 1	-0.222	0.017	1.242	1.534
62	Rhob	Macrophages 1	0.386	0.018	2.693	2.404
63	Rgs2	Macrophages 1	0.310	0.019	2.310	1.912
64	Gadd45b	Macrophages 1	-0.337	0.019	1.172	1.522
65	Gm9843	Macrophages 1	-0.261	0.022	2.149	2.333
66	Rab20	Macrophages 1	-0.354	0.022	1.546	1.890
67	Skil	Macrophages 1	-0.266	0.022	1.716	2.004
68	Rnf19b	Macrophages 1	-0.265	0.022	0.920	1.279
69	Sep15	Macrophages 1	0.174	0.024	1.175	0.867
70	Ly86	Macrophages 1	0.253	0.026	1.933	1.696
71	Zc3h12a	Macrophages 1	-0.313	0.030	1.315	1.663
72	Eif1	Macrophages 1	-0.188	0.034	3.556	3.695
73	Hnrnpf	Macrophages 1	-0.146	0.039	1.791	2.036
74	Top1	Macrophages 1	-0.277	0.041	1.087	1.379
75	Klf6	Macrophages 1	0.521	0.041	3.888	3.705
76	Reep5	Macrophages 1	0.212	0.044	1.525	1.424
77	Eif5	Macrophages 1	-0.205	0.045	1.919	2.184
78	Basp1	Macrophages 1	-0.321	0.046	2.097	2.278
79	Fos	Macrophages 1	0.334	0.049	4.499	4.273
80	Egr1	Macrophages 1	-0.288	0.049	2.838	3.006
81	Ifi2712a	Macrophages 1	0.335	0.049	2.513	2.194
1	Sox18	Endothelial Cells	0.935	8.39E-18	1.300	0.540
2	Fabp4	Endothelial Cells	0.680	2.11E-10	4.072	3.599
3	Malat1	Endothelial Cells	-0.294	1.80E-04	6.509	6.687
4	Dnaja1	Endothelial Cells	0.485	0.001	2.281	1.900
5	Fam167b	Endothelial Cells	0.478	0.001	2.730	2.381

6	Tpm4	Endothelial Cells	0.398	0.001	2.022	1.633
7	Tmsb10	Endothelial Cells	0.470	0.001	1.911	1.500
8	Nfkbia	Endothelial Cells	-0.511	0.001	1.589	2.044
9	S100a10	Endothelial Cells	0.421	0.001	2.745	2.422
10	Hspa8	Endothelial Cells	0.411	0.003	3.250	2.944
11	Rps29	Endothelial Cells	-0.249	0.004	3.554	3.732
12	Rgcc	Endothelial Cells	0.529	0.009	3.898	3.531
13	Hspe1	Endothelial Cells	0.474	0.009	1.471	1.050
14	Sparc	Endothelial Cells	0.355	0.010	3.110	2.854
15	Fdx1	Endothelial Cells	0.402	0.011	1.087	0.724
16	Rps28	Endothelial Cells	-0.359	0.012	2.341	2.629
17	Igfbp5	Endothelial Cells	-0.664	0.013	2.173	2.964
18	Dync1i2	Endothelial Cells	-0.392	0.013	0.797	1.162
19	Hspa1a	Endothelial Cells	0.638	0.014	2.639	2.034
20	Ifitm3	Endothelial Cells	0.307	0.018	3.447	3.230
21	Hsp90aa1	Endothelial Cells	0.526	0.020	2.172	1.759
22	Rps27	Endothelial Cells	-0.242	0.024	3.375	3.546
23	Ccnd1	Endothelial Cells	0.255	0.025	1.187	0.871
24	Ankrd11	Endothelial Cells	-0.335	0.025	0.749	1.131
25	Pnp	Endothelial Cells	0.389	0.040	1.058	0.747
26	Gpihbp1	Endothelial Cells	0.533	0.048	2.831	2.439
27	Marcksl1	Endothelial Cells	0.449	0.048	2.057	1.705

**Table S7: Inter-tissue analysis – PVN**

Intra-Tissue Analysis - PVN			
PVN Clusters	Number of shared clusters	Number of shared DEGs	Gene Name(s)
Endothelial Ependymal OPCs Oligo1 Oligo2	5	1	Hsp90aa1
Endothelial Ependymal Microglia Oligo1 Oligo2	5	1	Dnaja1
Endothelial Microglia nGABA2 nGlut2	4	1	Hspa1a
Endothelial Oligo1 Oligo2 nGABA1	4	1	Rtn1
Endothelial Ependymal Oligo1 Oligo2	4	1	Hsp90ab1
Ependymal Oligo2 nGlut2	3	1	Dnajb1
Endothelial nGABA1 nMixed	3	1	Rcan2
nGABA1 nGlut2	2	1	Gm10076
nGABA1 nGABA2	2	1	Rps28
Oligo1 Oligo2	2	1	Gstp1
Endothelial Oligo1	2	2	Hspa8 Fkbp4
Ependymal Microglia	2	1	Hspe1
nGABA1	1	7	Cirbp Cadm1 Ssb Usmg5 Syt1 mt-Nd3 Ndufa1
nMixed	1	2	Cd81 Slc32a1
Oligo1	1	5	Plp1 Cacybp Cryab Rps29 Pfn1
Microglia	1	7	Junb Rps23 Gatm Rpl14 Ctsc Rpl19 Nfkbia
Endothelial	1	4	Rbm3 Rps27rt Hspb1 Vwa1
Ependymal	1	1	Cyr61

**Table S8:** Inter-tissue analysis – Pituitary gland

Intra-Tissue Analysis - Pituitary			
Pituitary Clusters	Number of shared clusters	Number of shared DEGs	Gene Name(s)
Cortico1 Gonado Lacto1 Somato1 Somato2 Somato3 Somato4 Somato5 Somato6 Somato7 Stem Cells Vascular	12	1	Hsp90ab1
Cortico1 Gonado Lacto1 Pou1f1 MCs Somato1 Somato2 Somato3 Somato4 Somato5 Somato6 Somato7 Stem Cells	12	1	Hsp90aa1
Cortico1 Endothelial Lacto1 Macrophages Somato1 Somato2 Somato3 Somato5 Somato6 Somato7 Stem Cells	11	1	Hspa8
Cortico1 Gonado Lacto1 Pou1f1 MCs Somato1 Somato2 Somato4 Somato6 Somato7 Stem Cells Vascular	11	1	Rps27
Cortico1 Gonado Lacto1 Macrophages Somato1 Somato2 Somato4 Somato6 Somato7	9	1	Rps29
Cortico1 Gonado Lacto1 Somato1 Somato2 Somato4 Somato6 Somato7 Stem Cells	9	1	Gm10076
Endothelial Somato1 Somato2 Somato3 Somato4 Somato5 Somato6 Somato7	8	1	Jund
Gonado Lacto1 Somato1 Somato2 Somato3 Somato4 Somato6 Somato7	8	1	Calm1
Cortico1 Lacto1 Somato1 Somato2 Somato3 Somato4 Somato6 Stem Cells	8	1	Tpt1
Cortico1 Gonado Lacto1 Somato1 Somato2 Somato4 Somato6 Somato7	8	1	Rpl37
Cortico1 Gonado Lacto1 Macrophages Somato1 Somato2 Somato4 Somato6	8	1	Rpl37a
Cortico1 Gonado Lacto1 Somato1 Somato2 Somato4 Somato6 Vascular	8	1	Rps28

Cortico2 Endothelial Lacto2 Macrophages Somato3 Somato5 Somato6 Somato7	8	1	Hspa1a
Lacto1 Somato1 Somato2 Somato3 Somato4 Somato6 Somato7	7	1	Rplp0
Gonado Somato1 Somato2 Somato3 Somato4 Somato6 Somato7	7	1	Ubb
Cortico1 Lacto1 Somato1 Somato2 Somato4 Somato6 Somato7	7	1	Chchd2
Cortico1 Gonado Lacto1 Somato1 Somato2 Somato4 Somato6	7	2	Cd63 Rpl38
Cortico1 Endothelial Gonado Somato3 Somato5 Somato6 Somato7	7	1	Fos
Cortico1 Lacto1 Somato1 Somato2 Somato4 Somato6	6	1	Dynll1
Cortico1 Gonado Lacto1 Somato1 Somato2 Somato6	6	1	Rpl35
Gonado Somato2 Somato3 Somato5 Somato6 Somato7	6	1	Junb
Cortico1 Endothelial Lacto1 Macrophages Somato6 Stem Cells	6	1	Dnaja1
Somato1 Somato2 Somato3 Somato4 Somato6	5	1	B2m
Gonado Lacto1 Somato1 Somato2 Somato3	5	1	Spint2
Lacto1 Somato1 Somato2 Somato4 Somato6	5	6	Atp6v0e Dad1 Rpl36 Ssr4 Cnpy2 Hspe1
Cortico1 Somato1 Somato2 Somato4 Somato6	5	1	Ftl1
Gonado Somato1 Somato2 Somato4 Somato6	5	3	Atp5g1 Nme1 Cox4i1
Somato1 Somato2 Somato4 Somato6 Stem Cells	5	1	Gh
Lacto1 Somato1 Somato2 Somato6 Somato7	5	1	Eef1b2
Gonado Lacto1 Somato1 Somato3 Somato5	5	1	Itm2b
Somato1 Somato2 Somato3 Somato7	4	1	Eef1g
Lacto1 Somato1 Somato2 Somato3	4	1	Rabac1
Somato1 Somato2 Somato3 Stem Cells	4	1	Prdx1

Somato1 Somato2 Somato4 Somato6	4	5	S100a10 Spcs1 Wbp5 Gpx3 Resp18
Lacto1 Somato1 Somato2 Somato4	4	4	Tuba1a Dlk1 Tspan13 Tmem176a
Cortico1 Somato1 Somato2 Somato4	4	2	Dbi Bmyc
Gonado Somato1 Somato2 Somato4	4	1	Eif1
Cortico1 Somato1 Somato2 Somato7	4	1	Slc25a3
Gonado Lacto1 Somato1 Somato2	4	4	Tmed10 Tomm7 Bsg Eef2
Cortico1 Macrophages Somato1 Somato2	4	1	Rpl39
Cortico2 Gonado Somato1 Somato2	4	1	Fkbp2
Somato1 Somato3 Somato4 Somato6	4	1	Actb
Cortico1 Gonado Somato1 Somato6	4	1	Mt1
Cortico1 Somato2 Somato3 Somato6	4	1	Actg1
Cortico1 Gonado Somato3 Somato6	4	1	Ubc
Somato1 Somato2 Somato3	3	2	Ndufa13 Rpl36a
Somato1 Somato2 Somato4	3	12	Atp5h Ndufa4 Atp5j Nnat Cope Prdx2 Rpl35a Swi5 Krtcap2 Atp6v0b Sec61b Atp6v1f
Somato1 Somato2 Somato6	3	2	Gabarap Srp9
Lacto1 Somato1 Somato2	3	4	Cd81 Tmbim4 Tmem176b Manf
Gonado Somato1 Somato2	3	3	Rps21 Rpl41 Ostc
Somato1 Somato3 Somato4	3	1	Rps11
Somato1 Somato3 Somato7	3	1	Rpl3
Lacto1 Somato1 Somato3	3	1	Meg3
Somato1 Somato4 Somato6	3	1	Selk
Lacto1 Somato1 Somato4	3	1	Uqcrh
Gonado Lacto1 Somato3	3	1	Nenf
Endothelial Pou1f1 MCs Somato6	3	1	Jun

Somato1 Somato2	2	19	Rplp2 Psma7 Cox5b Ndufa11 Pomp Ndufb11 Gabarapl2 Rab2a Cga Gapdh Atpif1 Prdx5 Slc25a4 Psmb1 Ift20 Uqcrb Sec62 Hint1 2410015M20Rik
Somato1 Somato3	2	1	Scg5
Somato1 Somato4	2	2	Gpx4 Rpl34
Somato1 Somato6	2	4	Serp1 Pnmal2 mt- Atp6 Ddx5
Lacto1 Somato1	2	4	Zbtb20 Serf2 Ybx1 H3f3b
Gonado Somato1	2	1	Arl3
Somato2 Somato3	2	1	Cst3
Somato2 Somato4	2	2	Atp5g2 Rsrp1
Lacto1 Somato2	2	3	Hist1h2bc Rps3 Ssr2
Somato3 Somato5	2	1	Rpl13
Lacto1 Somato3	2	2	mt-Co1 Rps5
Gonado Somato3	2	1	Pcsk1n
Lacto1 Somato6	2	1	Fth1
Lacto1 Somato7	2	1	Rps4x
Lacto1 Lacto2	2	1	Olfm1
Cortico1 Lacto1	2	1	Epcam
Gonado Lacto1	2	6	Tmed3 Usmg5 Lrpap1 Tmem59 Rheb Sec11c
Cortico1 Gonado	2	1	Cirbp
Endothelial Stem Cells	2	1	Hspb1
Somato1	1	31	Kcnk2 Htatsf1 Rpl31 Atp5e Med28 Ier3ip1 mt-Cytb Nop10 5330417C22Rik Srrm2 Hmgb1 Mageh1 Rps16 Hnrnpk Sep15 Cox8a Sptssa Stmn1 Hmgn1 Mdh1 Oaz1 Vimp Rpl7a Cox6c Psmb2 Rps18 Ndufv3 Smim14 Rps23 Atp5l 2700060E02Rik

Somato2	1	19	Chgb Edf1 Vkorc1 Tmem167 Arf1 Dapl1 Mien1 Gltsr2 Uqcc2 Scp2 Pla2g12a Sub1 Maged1 Ifitm2 Rpl10a Tbca Rps27a Copz2 Rpl19
Somato3	1	12	Rps6 Ptn Rpl26 Atp6v1g1 mt-Nd3 mt- Co3 Rpl24 Malat1 Selm Tspan3 Rpl11 Laptm4a
Somato4	1	2	Erh Rps2
Somato5	1	1	Eef1a1
Somato6	1	7	Dnajb1 Eif4a2 Pkm Pld3 Ier2 Btg2 Morf4l1
Somato7	1	1	Rpl4
Lacto1	1	39	Npdc1 Rps3a1 Nap1l5 Stmn3 Rpl23 Sdf2l1 Itm2c Emc10 Rps9 Ctsl Tmsb10 Rpl22l1 mt-Co2 Mest Cystm1 Pdia3 Rpl10 Prnp Ndufa12 BC031181 Ddost Scg2 Ypel3 Pebp1 Psap Aga Ucp2 Npc2 Ergic3 Calm2 Six6 Rps8 Araid Rpl8 Fam46a Tmem59l Pou1f1 Ifi27 Clu
Cortico1	1	3	Srxn1 Bex2 Emd
Gonado	1	10	Ndufab1 Tsc22d1 Ly6h Lhb Fshb Spp1 Btg1 Atp5k Gnas Csrp2
Macrophages	1	2	Rps27rt Clic1
Endothelial	1	1	Tmsb4x
Stem Cells	1	3	Lcn2 S100a6 Apoe



**Table S9:** Inter-tissue analysis – Adrenal gland

Intra-Tissue Analysis - Adrenal			
Adrenal Clusters	Number of shared clusters	Number of shared DEGs	Gene Name(s)
Endothelial Macrophages tZone1 tZone2 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	9	2	Rps28 Hsp90aa1
Macrophages tZone1 zFasc1 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	8	1	Gm8730
Macrophages tZone1 tZone2 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	8	1	Fos
Endothelial Macrophages tZone1 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	8	1	Dnaja1
tZone2 zFasc1 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	7	2	Star Apoe
tZone1 tZone2 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	7	2	Serinc3 Dynll1
Macrophages tZone1 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	7	1	Wdr89
Endothelial Macrophages tZone1 tZone2 zFasc2 zGlom1 zGlom2	7	1	Nfkbia
zFasc1 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	6	1	mt-Cytb
Endothelial Macrophages zFasc1 zFasc2 zFasc3 zFasc5	6	1	Fdx1
tZone1 zFasc1 zFasc2 zFasc5 zGlom1 zGlom2	6	1	mt-Co1
tZone1 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	6	2	Dstn Map1lc3a
tZone2 zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	6	1	Tuba1b
tZone1 tZone2 zFasc2 zFasc3 zFasc5 zGlom1	6	1	Nr4a1

tZone1 tZone2 zFasc2 zFasc3 zFasc5 zGlom2	6	1	Btg2
Macrophages tZone1 zFasc2 zFasc3 zFasc5 zGlom2	6	1	Rgs2
tZone1 tZone2 zFasc2 zFasc3 zGlom1 zGlom2	6	1	Uba52
Macrophages tZone1 zFasc2 zFasc5 zGlom1 zGlom2	6	1	Rps27rt
Endothelial tZone1 zFasc2 zFasc5 zGlom1 zGlom2	6	1	Malat1
tZone1 tZone2 zFasc3 zFasc5 zGlom1 zGlom2	6	1	Rnaset2a
zFasc1 zFasc3 zFasc5 zGlom1 zGlom2	5	1	Scarb1
Macrophages tZone1 zFasc1 zGlom1 zGlom2	5	1	Btg1
zFasc2 zFasc3 zFasc5 zGlom1 zGlom2	5	4	Pfn1 Anxa5 Klhdc8a Bri3
tZone1 zFasc2 zFasc3 zFasc5 zGlom2	5	1	Sap18
tZone1 zFasc2 zFasc3 zGlom1 zGlom2	5	1	Fam195a
Macrophages tZone1 zFasc2 zGlom1 zGlom2	5	1	Hsp90ab1
Endothelial tZone1 zFasc3 zFasc5 zGlom1	5	1	Rps29
Macrophages tZone1 zFasc3 zFasc5 zGlom2	5	1	Jund
zFasc1 zFasc2 zFasc3 zFasc5	4	1	mt-Nd4
zFasc1 zFasc2 zFasc3 zGlom1	4	1	Akr1cl
zFasc2 zFasc3 zFasc5 zGlom1	4	5	Atp1a1 Cyb5a Hsd3b1 Laptm4b Cyp11a1
zFasc2 zFasc3 zFasc5 zGlom2	4	2	Meg3 Alas1
tZone1 zFasc2 zFasc3 zFasc5	4	1	Junb
Macrophages zFasc2 zFasc3 zFasc5	4	1	Gadd45b

Macrophages zFasc2 zFasc3 zGlom2	4	1	Reep5
Endothelial Macrophages zFasc2 zFasc3	4	1	Hspa1a
zFasc2 zFasc5 zGlom1 zGlom2	4	4	Rps3 Me1 Tmsb4x Fau
Endothelial zFasc2 zFasc5 zGlom1	4	2	S100a10 Sparc
tZone1 zFasc2 zFasc5 zGlom2	4	1	Rps13
tZone2 zFasc2 zFasc5 zGlom2	4	1	Rps8
tZone1 zFasc5 zGlom1 zGlom2	4	2	Mgst3 Rpl15
Endothelial Macrophages zGlom1 zGlom2	4	1	Hspe1
zFasc1 zFasc2 zFasc3	3	2	mt-Nd4l Kcnk3
zFasc1 zFasc3 zGlom1	3	1	Itm2b
zFasc1 zFasc5 zGlom2	3	1	Id2
zFasc1 zGlom1 zGlom2	3	1	Igfbp7
zFasc2 zFasc3 zFasc5	3	8	Tomm20 Phlda1 Akr1b7 Txn2 Mt1 Akr1a1 Gm1673 Clu
zFasc2 zFasc3 zGlom1	3	1	Sorbs2
zFasc2 zFasc5 zGlom2	3	17	Rpl18 Rps3a1 Rpl9 Rps15a Rps14 Rpl32 Eef1g Rps16 Rpl14 Rpl35a Rps2 Rps7 Rps18 Prkar1a Rps15 Rpl8 Rpl19
tZone1 zFasc2 zFasc5	3	1	Chka
tZone2 zFasc2 zFasc5	3	1	Dbp
zFasc2 zGlom1 zGlom2	3	1	Rpl10a
tZone1 tZone2 zFasc2	3	1	Pde10a
zFasc3 zFasc5 zGlom1	3	1	Srsf5
zFasc3 zGlom1 zGlom2	3	1	Hypk
Macrophages zFasc3 zGlom2	3	1	Gm9843
zFasc5 zGlom1 zGlom2	3	5	Ptp4a2 Rnaset2b Eef1d Ckb Gnb1
tZone1 zFasc5 zGlom2	3	1	Rpl13
Macrophages zFasc5 zGlom2	3	1	Jun
Macrophages tZone1 zFasc5	3	1	Fosb

tZone1 zGlom1 zGlom2	3	4	Cyb5r3 mt-Nd3 Dpysl2 Cpe
tZone2 zGlom1 zGlom2	3	3	Agtr1a Gstp1 Mob4
Endothelial tZone1 zGlom1	3	1	Dync1i2
Endothelial Macrophages zGlom2	3	1	Hspa8
zFasc1 zFasc3	2	5	Rpl3 mt-Co3 mt-Atp6 mt-Nd1 mt-Nd5
zFasc1 zFasc5	2	3	Cyp11b1 Cyp21a1 1110008P14Rik
zFasc1 zGlom2	2	1	H3f3b
zFasc2 zFasc3	2	15	Cox6a1 Crem Kif5b Hsph1 Ppib Nr5a1 Gapdh Eprs Ypel3 Timp3 Tmem159 Soat1 Hnrnpab Aldh2 Eif4g2
zFasc2 zFasc5	2	12	Coq10b Wbp5 Adh1 Itm2c Nedd4 Pgam1 Cacybp Ccnd2 Serpinh1 Dbi Anp32a Aldoa
zFasc2 zGlom1	2	4	Tceb2 Rplp2 Srp19 Rpsa
zFasc2 zGlom2	2	15	Rps6 Rps17 Rpl23 Rpl26 Rps4x Ndufa11 Rpl13a Fkbp4 Tspan12 Rpl27a Rpl37a Rpl11 Hes6 Ifitm2 Rps27a
tZone2 zFasc2	2	1	Akr1b10
Macrophages zFasc2	2	3	Ahsa1 Klf6 Pim1
zFasc3 zFasc5	2	4	Prdx1 Echs1 Calm2 Actb
zFasc3 zGlom1	2	2	Rpl9-ps6 Gstm1
zFasc3 zGlom2	2	2	Cdkn1c Tma7
tZone1 zFasc3	2	2	Lrrc58 Ccnd3
zFasc5 zGlom2	2	8	Npr1 Rpl29 Hist1h2bc Gnb2l1 Rps5 Eef1a1 Gnas Rpl18a
tZone1 zFasc5	2	1	Dusp1
zGlom1 zGlom2	2	9	Tpt1 Tpd52l1 Chchd2 App Pdgfa Cox8a Rapgef4 Pam Rps10
tZone1 zGlom1	2	2	Eif2s2 Ybx1
Macrophages zGlom1	2	2	Egr1 Hspd1
tZone1 zGlom2	2	2	Zfp36l1 Naca
Macrophages zGlom2	2	1	Eif1
Endothelial zGlom2	2	1	Ccnd1
Endothelial Macrophages	2	1	Rps27

zFasc1	1	11	Gramd1b mt-Co2 Fdxr Aldh1a1 Abhd2 Hsp90b1 Sptssa Plin5 Lgals3 BC005537 Acly
zFasc2	1	38	Elov5 Gm10116 Mbnl1 Rps12 Gpha2 Mrpl20 Zfp36 Ddx24 Set Pnrc1 Ghitm Gm10073 Ptges3 Tprgl Slc27a3 Zfyve21 Mt2 2310036022Rik Gem Prdx6 Cklf Mast4 Tubb4b Tmem176a Rps11 Tmem205 Meis2 Cct7 Hspa1b Gm9493 Gnai2 BC029722 Atp5k Rpl35 Cyca Pgp Nfe2l2 Hspb1
zFasc3	1	43	Hint2 Gstm2 Amotl2 Atp5o Vegfa Spcs1 mt-Nd2 Tsc22d1 Mmd2 Glul Cope Rnh1 Cxcr4 Ube3a Chchd10 Isyna1 Ywhag Ddrgk1 Anxa2 Cox20 Hhex 1110004F10Rik Grhpr Cebp Ptp4a1 Mdh1 Snrpg Pigyl Tob1 Gng5 Iscu Park7 Tbx3os1 Sub1 Acsbg1 Rsrp1 Rmdn2 Laptm4a Acaa2 H2afz Eif3a Arpc1b Ptov1
zFasc5	1	33	Cdk4 Fxyd6 Gadd45g Sec61g 1110001J03Rik Tceal8 Aebp1 Nceh1 Tst Mc2r Hao2 Nap1l1 Stx7 Lonp1 Vdac3 Uqcc2 Smim11 E330017L17Rik Tspan4 Cdc42 Slc25a3 Sdsl Pebp1 Ubb Cyb5b 2010107E04Rik Psma6 Calr Smim14 Ftl1 Fkbp2 Pfdn1 Tmco1
zGlom1	1	21	Sra1 1700025G04Rik Rpl23a- ps3 Hmgn3 Comt Hibadh Sept4 Myl12a Ndn Uqcrq Ndufv2 Wnt4 Pcolce Rpl27 Vsnl1 Rpl7a Aifm1 Arl6ip1 Sec61b Slc25a5 Tpi1

zGlom2	1	33	Fth1 Rpl31 Rpl6 Uqcr11 Kcnn2 Uqcrc1 Actg1 Rps9 Rps20 Bsg Rpl7 Ndufb5 Rps25 Eef1b2 Mgst1 Cd63 Atpif1 Rplp0 Srp14 Rpl34 Ran Rpl30 Rpl28 St3gal5 Hint1 Rpl12 Phb Rpl4 Rps23 Ndufs3 Ifi27 Rhoa Sdhd
tZone1	1	7	Cited2 Pdcd4 Snrnp27 Apoc4 Usmg5 Eif3f Cox17
tZone2	1	1	Eno1
Macrophages	1	53	Dnajb1 Ninj1 Kdm6b Bcl2a1b Maff Sqstm1 Rhob Ly86 Cdkn1a Rasgef1b Wsb1 Cd83 Nmt1 Lilrb4a Sdc4 Eif4a1 Spag9 Cks2 Ccl4 Hmgn2 Basp1 Nfkbib Fus Eif5 Rab20 Nlrp3 Sep15 Rnf19b Bcl2a1d Ehd1 Ssh2 Hk2 Ly6d Ddx5 Cd14 Zc3h12a Cxcl2 H2-M2 Plek Lilr4b Csrnp1 Klf2 Ifi27l2a Srgn Hnrnpf Skil Tnfaip3 Top1 Klf13 Ccl3 Ifrd1 Tuba1c Slfn2
Endothelial	1	12	Tmsb10 Tpm4 Sox18 Fabp4 Fam167b Marcks1 Ankrd11 Gpihbp1 Rgcc Pnp Igfbp5 Ifitm3

31 Table S10: Intra-tissue analysis (PVN, pituitary & adrenal gland)

Inter-Tissue Analysis - All Tissues			
Tissue	Number of Shared Tissues	Number of shared DEGs	Gene Name(s)
Adrenal PVN Pituitary	3	16	Dnajb1 Hsp90ab1 Rps28 Rps27rt Hspb1 Junb Usmg5 mt-Nd3 Rps29 Hspa8 Hsp90aa1 Hspe1 Dnaja1 Rps23 Hspa1a Rpl19
PVN Pituitary	2	3	Cirbp Cd81 Gm10076
Adrenal PVN	2	6	Nfkbia Rpl14 Pfn1 Cacybp Fkbp4 Gstp1
Adrenal Pituitary	2	97	Tpt1 Rpl13 Rps6 Rplp2 Hist1h2bc Tsc22d1 Eif1 Rps3 Junb Prdx1 mt-Cytb mt-Co1 Tmsb10 Rps5 Eef1g Dynll1 mt-Co3 Eef1b2 Malat1 Sep15 Btg2 Gapdh Tmem176a Tmsb4x Rps2 Cd63 mt-Atp6 Ddx5 Rps11 Atpif1 Rplp0 Mdh1 Rpl7a Pebp1 Eef1a1 Atp5k Itm2b Ubb Sub1 Gnas Mt1 Fos Rsrp1 Smim14 Ft1l Rpl10a Rps8 Fkbp2 Sec61b Rpl8 Ybx1 Actb Rps27 Ifi27 Clu Meg3 Rps3a1 Fth1 Rpl31 S100a10 Spcs1 Rpl23 Rpl26 Chchd2 Wbp5 Rps4x Itm2c Actg1 Rpl3 Cope Rps9 Ndufa11 Bsg mt-Co2 Btg1 Rps16 Uqcc2 Cox8a Rpl35a Sptssa Rpl37a Slc25a3 Rpl34 Ypel3 Jun Dbi Rpl35 Rps18 Rpl11 Calm2 Ifitm2 Hint1 Laptm4a Rpl4 Apoe H3f3b Rps27a
PVN	1	14	Vwa1 Ndufa1 Rbm3 Plp1 Slc32a1 Cadm1 Rtn1 Syt1 Ssb Rcan2 Cyr61 Gatm Ctsc Cryab

Pituitary	1	162	<p>Kcnk2 Npdc1 Htatsf1 Tuba1a Tmed10 Ptn Selk Edf1 Atp5j Atp5e  Vkorc1 Nnat Serp1 Tmem167 Lhb S100a6 Tomm7 Med28 Srxn1  Nenf Tmbim4 Emc10 Arf1 Calm1 Nme1 Ier3ip1 Ier2 Scg5 Cox4i1  Dapl1 5330417C22Rik Mien1 Rpl37 Fshb Zbtb20 Gabarapl2 Rpl36  Tmem176b Hnrnpk Prdx2 Gltscr2 Cystm1 Pdia3 Epcam Rpl24 Ssr2  BC031181 Ssr4 Scp2 Eef2 Ddost Cnpy2 Gabarap Krtcap2 Emd  Oaz1 Manf Rpl39 Selm Cox6c Prdx5 Pla2g12a Aga Psmb1 Tspan3  Npc2 Cst3 Rpl41 Uqcrb Ergic3 Atraid Rpl38 Tbca Serf2 Csrp2  Fam46a Tmem59l Srp9 Gh Pou1f1 Ostc 2700060E02Rik Sec11c  Eif4a2 Tmed3 Nap1l5 Pkm Atp5h Chgb Ndufa13 Stmn3 B2m  Ndufab1 Ndufa4 Lcn2 Sdf2l1 Ly6h Uqcrh Atp5g1 Psma7 Atp6v1g1  Cox5b Pld3 Dlk1 Pnmal2 Spint2 Erh Pomp Nop10 Ctsl Ndufb11  Atp6v0e Rpl22l1 Gpx4 Srrm2 Spp1 Hmgb1 Mageh1 Mest Tspan13  Dad1 Arl3 Rab2a Atp5g2 Cga Rps21 Rpl10 Prnp Ndufa12 Bex2  Rabac1 Swi5 Gpx3 Stmn1 Resp18 Olfm1 Scg2 Hmgn1 Vimp Psap  Slc25a4 Psmb2 Lrpap1 Atp6v0b Tmem59 Bmyc Ucp2 Ift20  Maged1 Ndufv3 Rpl36a Morf4l1 Clic1 Six6 Sec62 2410015M20Rik  Ubc Atp5l Atp6v1f Copz2 Rheb Pcsk1n</p>
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Adrenal	1	343	<p> Cdk4 Hint2 Rpl18 Gstm2 Sra1 1700025G04Rik Rpl9 Maff Cyb5r3  Fosb Rps17 Fdx1 Rpl23a-ps3 Sqstm1 Hmgn3 Mbnl1 Npr1 Igfbp7  Fam195a Rhob Rpl6 mt-Nd2 Sept4 Rps12 Gpha2 Pde10a Gadd45b  Uqcr11 Hypk Myl12a Tomm20 Ly86 Atp1a1 Cdkn1a Glul Kif5b  Zfp36l1 Cd83 Pdcd4 Sec61g 1110001J03Rik Rnh1 Rps20 Nmt1  Cxcr4 Ddx24 Set Hsph1 Lilrb4a Chchd10 Rpl13a Sdc4 Nedd4 Star  Spag9 Ccl4 Rpl7 Ccnd2 Slc27a3 Ppib Tpm4 Rps25 Fus Tst Mc2r  2310036O22Rik Rab20 Gem mt-Nd4l Lrrc58 Cklf Lonp1 Dstn  Rnaset2b Vdac3 Aldh1a1 Chka Tubb4b Abhd2 Sox18  1110004F10Rik Rpsa Wnt4 Akr1b7 Dync1i2 Eef1d Hsp90b1 Grhpr  Fam167b Hk2 Klf6 Rpl27a Ptp4a1 Tspan4 Cd14 Ckb Rpl27 Rpl15  Cyp21a1 Srp14 Cxcl2 Plek Lilr4b 1110008P14Rik Scarb1 Marcksl1  Gm9493 Rps7 Rgs2 Arl6ip1 mt-Nd1 Park7 Hsd3b1 Cpe Igfbp5 Klf2  Tbx3os1 Ran Rpl30 Rnaset2a Dbp Ifitm3 2010107E04Rik Rpl28  Calr St3gal5 Rmdn2 Prkar1a Hes6 Laptm4b Timp3 Acaa2 Hnrnpab  Phb Map1lc3a Top1 Eif2s2 Rpl18a H2afz Klf13 Ccl3 Eif3a Mob4  Eif4g2 Tmco1 Akr1a1 Pam Eno1 Ndufs3 Aldoa Tpi1 Gm1673  Cyp11a1 Tceb2 Ahsa1 Ninj1 Dusp1 Amotl2 Kdm6b Coq10b Elovl5  Atp5o Bcl2a1b Vegfa Rpl9-ps6 Mgst3 Gm10116 Alas1 Rpl29  Tpd52l1 Comt Cox6a1 Hibadh Egr1 Cited2 Fxyd6 Kcnn2 Adh1  Crem Gnb2l1 Uqcrc1 Ccnd1 Phlda1 Sorbs2 Mmd2 Rasgef1b  Serinc3 Rps15a Mrpl20 Wsb1 Gadd45g Tuba1b Zfp36 Tceal8  Snrnp27 Ube3a Agtr1a Pnrc1 App Ghitm Rps14 Cdkn1c Gm10073  Ptges3 Aebp1 Pgam1 Hspd1 Tprgl Eif4a1 Apoc4 Rpl32 Isyna1 Cks2  Sap18 Gstm1 Ndufb5 Ywhag Hmgn2 Basp1 Gramd1b Pdgfa  Gm8730 Zfyve21 Cyp11b1 Nfkbib Srp19 Uba52 Nceh1 Mt2  Ddrgk1 Ndn Nr5a1 Anxa2 Fdxr Uqcrq Hao2 Tspan12 Eif3f Nap1l1  Ptp4a2 Eif5 Cox20 Akr1cl Prdx6 Me1 Rps13 Akr1b10 Hhex Stx7  Nlrp3 Anxa5 Rnf19b Bcl2a1d Gm9843 Mast4 Ehd1 Ccnd3 Mgst1  Srsf5 Ndufv2 Fabp4 Pcolce Ssh2 Dpysl2 Smim11 mt-Nd4 Echs1  Cebpb E330017L17Rik Ly6d Plin5 Tmem205 Reep5 Klhdc8a Tma7  Naca Vsnl1 Zc3h12a Eprs Cyb5a Cdc42 Snrpg Meis2 Pigyl Tob1  Cct7 H2-M2 Serpinh1 Gng5 Sdsl Hspa1b Ankrd11 Csrnp1 Aifm1  Gpihbp1 Rgcc Nr4a1 Txn2 Pnp Gnai2 Iscu BC029722 Lgals3 Cycs  Cyb5b Acsbg1 Ifi27l2a Rapgef4 Srgn Kcnk3 Psma6 Hnrnpf Skil  Tnfaip3 Anp32a Gnb1 Wdr89 Pim1 Id2 Sparc Rps15 Cox17 Bri3  Soat1 Tmem159 Rpl12 Fau Aldh2 BC005537 Pfdn1 Pgp Arpc1b  lfrd1 Nfe2l2 mt-Nd5 Ptov1 Tuba1c Slc25a5 Slfn2 Rhoa Sdhb Acly  Rps10 </p>
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