

Table 1: Genes from the top 500 genes in each brain area ranked by p-values shared in common between: Prefrontal and Cerebellum

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1	CAT	COMT	CHCHD8	GATM
2	MYO6	C1orf122	YBX1P2	CDC14B
3	EDNRB	C6orf48	PGCP	PPIB
4	ECH1	DTYMK	POLR2F	HIP1R
5	RPS2P8	CLU	SERF2	PTTG1IP
6	COPE	AASS	SPAG9	SNAP23
7	PPAP2B	ZMAT5	C3orf70	RUSC1
8	CAMSAP1L1	PDE6D	GSN	IVD
9	QKI	HSD17B6	ELOVL4	RAB11FIP5
10	PIR	CPT2	DFFA	RAB3GAP1
11	CHCHD5	SLC25A20	ARL6IP6	IQCK
12	ABTB2	RARS	RAG1AP1	PRDX4
13	PCCB	ALAD	RHBDD1	PMF1
14	DIRC2	MYCBP2	SH3GL2	ATP6V0E1
15	MAPRE1	CBR1	CCNB1	GALNT10
16	SGPL1	C6orf72	MON1B	PTPRZ1
17	PFN1	NSMCE1	TST	HIP1
18	HSF2	AGPAT3	RAB9A	DYNLT1
19	SNAP91	LGALS3BP	SYT4	CD302
20	KUA-UEV	HSD17B10	GRHPR	TMEM136
21	GM2A	VPS52	ACO2	TP53AP1
22	MTM1	SYPL1	OACT2	PYCR2
23	PIP3-E	ANXA5	DERA	C9orf46

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Table 1: (*Prefrontal and Cerebellum continued*)

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24	CAPZA2	TMBIM4	MARCKSL1	C10orf26
25	PPAP2A	C5orf4	S100B	PPP2R5C
26	CRTAC1	PXMP3	TTC19	USP54
27	FUCA2	RRNAD1	ADARB1	FGFR2
28	ACTL6A	ZYG11B	SLC9A9	GPR177
29	HHLA3	ALS2CR13	CD82	C3orf63
30	AK2	RPIB9	DLL1	MAG1

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Table 2: Genes from the top 500 genes in each brain area ranked by p-values shared in common between: Prefrontal and Temporal

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1	RPL18P13	CAT	COMT	ACY1
2	CHCHD8	GATM	MYO6	C1orf122
3	YBX1P2	CDC14B	EDNRB	PDLIM3
4	UBP1	PGCP	CADPS2	PPIB
5	ECH1	DTYMK	HSCB	TTLL4
6	PNKD	CSTB	MEGF10	POLR2F
7	HIP1R	ZFAND3	CLU	SERF2
8	PTTG1IP	COPE	AASS	C12orf39
9	SPAG9	LIMS1	SNAP23	PPAP2B
10	ZMAT5	BCAN	NKAIN4	UBE3A
11	C3orf70	RUSC1	ELP4	CAMSAP1L1
12	PDE6D	GSN	THSD1	MMP28

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Table 2: (*Prefrontal and Temporal continued*)

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13	LRRC3B	ALDH2	IDH2	ADA
14	ABCA5	IVD	QKI	GRSF1
15	HSD17B6	ELOVL4	PGM1	APOE
16	PIR	RGC32	OLIG1	ACP6
17	CPT2	DFFA	GPSN2	APCDD1
18	MLC1	SLC25A20	ARL6IP6	ARHGAP24
19	ZHX2	IQCK	LZTFL1	PIK3C2A
20	ACAA2	ABTB2	RARS	PRDX4
21	PCCB	ALAD	FAM36A	RHBDD1
22	SCAMP2	STAT3	HIST1H2AC	TTYH1
23	DIRC2	SH3GL2	ATP6V0E1	MAPRE1
24	GPR17	S100A13	H3F3AP4	CBR1
25	WDFY2	ELOVL2	CYP2J2	CCNB1
26	GALNT10	SGPL1	GLUL	PLA2G5
27	KRT10	SASH1	CRB1	C6orf72
28	RELA	MON1B	PSMC1	PHGDH
29	PTPRZ1	GNG5	PFN1	SEL1L
30	CHDH	TNFSF13	PCDHGC3	NME6
31	CTNNA1	MCF2	CXorf38	LRP4
32	TST	GNAI2	NUBP1	FTL
33	HIP1	HSF2	AGPAT3	ATPAF1
34	RAB9A	DYNLT1	AKR7A3	CLK3
35	EIF4EBP3	IGFBP7	CD302	KUA-UEV
36	DAG1	LDHD	CDC37L1	HSD17B10

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Table 2: (*Prefrontal and Temporal continued*)

37	DPY19L3	GRHPR	VPS72	TMEM136
38	HLA-A	CST3	C5orf5	GRN
39	ACO2	TP53AP1	MTM1	PARP4
40	GSTM2	SYPL1	MRPL53	FAM102A

Table 2: (*Prefrontal and Temporal continued*)

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41	PXMP2	MGST1	GNG12	PON2
42	C16orf14	SELENBP1	RFXANK	NPL
43	CASC1	BCKDHA	TSC22D4	APRIN
44	FAH	ARL15	C2orf18	CRYL1
45	SFRS15	PYCR2	CLDN10	DOCK1
46	DERA	RANBP3L	ITGB5	C2orf34
47	GPR37L1	MERTK	ASRGL1	TOMM70A
48	PCDHGA12	IRF2BP2	GNA13	FADS1
49	PITPNC1	PCMT1	CTSH	ZBTB20
50	C9orf46	ADHFE1	MARCKSL1	SLC30A5
51	AGXT2L1	ACOX2	OLIG2	PNPO
52	MSRB2	AP3M1	DBI	ZFHX4
53	EDG1	ADORA2B	CYP4X1	PPAP2A
54	FBXO8	C5orf4	EPHX2	PPP2R5C
55	GNA12	ABHD3	TSPAN12	PXMP3
56	TTC19	TP53BP2	CUL3	FYN
57	EPB41L3	NR2E1	SLC39A12	MIF4GD
58	SLC7A6OS	ACTL6A	SLC9A9	GPR177
59	ACSBG1	RIT1	HHLA3	PI4KII
60	SORCS2	LGALS3	UBE2D2	PIPOX
61	PHLPP	CD82	EPB41L5	ACOX1
62	C3orf63	ACAA1	KIAA1161	SLCO1C1
63	RGS20	C5orf32	C1orf198	DLL1
64	PSAT1	IDH1		

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Table 3: Genes from the top 500 genes in each brain area ranked by p-values shared in common between: Prefrontal and Pons

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1	RPL18P13	CAT	COMT	ACY1
2	CHCHD8	GATM	MYO6	C1orf122
3	CDC14B	UBP1	PGCP	PPIB
4	DTYMK	HSCB	TTLL4	MEGF10
5	POLR2F	HIP1R	ZFAND3	CLU
6	SERF2	PTTG1IP	COPE	AASS
7	SPAG9	SNAP23	PPAP2B	ZMAT5
8	SCNM1	C3orf70	CAMSAP1L1	PDE6D
9	GSN	PGLS	QKI	ELOVL4
10	RAB11FIP5	PIR	ARL6IP6	PIK3C2A
11	ACAA2	ABTB2	RARS	YIF1A
12	PRDX4	PCCB	RHBDD1	SDAD1
13	HIST1H2AC	PMF1	PJA2	ATP6V0E1
14	MAPRE1	H3F3AP4	CBR1	WDFY2
15	ELOVL2	CYP2J2	CCNB1	SGPL1
16	KRT10	SASH1	C6orf72	RELA
17	PSMC1	PFN1	NSMCE1	CTNNA1
18	CECR1	HIP1	AGPAT3	RAB9A
19	DYNLT1	SNAP91	LGALS3BP	KUA-UEV
20	GRHPR	GM2A	PHPT1	TP53AP1
21	MTM1	PARP4	SYPL1	SYNJ1
22	OACT2	CRYL1	ANXA5	PLCB1
23	PRKCSH	C2orf28	CAPZA2	TMBIM4

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Table 3: (*Prefrontal and Pons continued*)

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24	MARCKSL1	AP3M1	PPAP2A	FBXO8
25	C5orf4	RPLP0	PPP2R5C	PXMP3
26	TTC19	RRNAD1	SS18	MIF4GD
27	ACTL6A	SLC9A9	HHLA3	C6orf129
28	CYB5A	C3orf63	AK2	RIOK1
29	RPIB9	C1orf198		

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Table 4: Genes from the top 500 genes in each brain area ranked by p-values shared in common between: Cerebellum and Temporal

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1	PGCP	CAT	PCCB	RAB9A
2	COMT	KUA-UEV	CBR1	GRHPR
3	PFN1	MARCKSL1	PYCR2	FNTA
4	MYO6	PDE6D	C3orf70	DIRC2
5	QKI	PPAP2B	PPIB	PTPRZ1
6	GPR177	SYPL1	C5orf4	CPT2
7	PPAP2A	RUSC1	TTC19	HIP1
8	TP53AP1	HIP1R	HHLA3	DFFA
9	ATP6V0E1	EDNRB	CAMSAP1L1	PXMP3
10	SPAG9	PPP2R5C	MAPRE1	CHCHD8
11	CDC14B	HSPA2	TNRC5	SEC22C
12	GSN	COPE	PEPD	IQCK
13	GALNT10	PRDX4	AASS	IGSF11

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Table 4: *(Cerebellum and Temporal continued)*


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14	PIR	NLGN3	HSD17B6	YBX1P2
15	SFT2D1	RARS	ZMAT5	GATM
16	ACO2	ABTB2	RHBDD1	SGPL1
17	SLC9A9	C1orf122	PTTG1IP	C6orf72
18	PDGFRA	SCRG1	MTM1	ARL6IP6
19	ECH1	IVD	DYNLT1	SH3GL2
20	ETFA	ELOVL4	CADM4	CD82
21	ALAD	DERA	C9orf46	LARS2
22	DHRS4	TAF5	POLR2F	HSF2
23	CHRNA1	KCTD18	SLC25A20	ACTL6A
24	C3orf63	SNAP23	TST	TM9SF1
25	CCNB1	DTYMK	TMEM136	SERF2
26	CA2	MON1B	CLU	HSD17B10
27	NUDT5	DLL1	CD302	AGPAT3
28	PER2			

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Table 5: Genes from the top 500 genes in each brain area ranked by p-values shared in common between: Cerebellum and Pons

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1	PGCP	CAT	PCCB	TMEM170
2	RAB9A	OACT2	ARHGEF12	COMT
3	ACTG1	SEPP1	KUA-UEV	CBR1
4	PIGT	GRHPR	PFN1	MARCKSL1

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Table 5: (*Cerebellum and Pons continued*)

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5	FNTA	MYO6	PDE6D	C3orf70
6	GRM3	PDE4B	B3GAT1	QKI
7	PPAP2B	PPIB	ABCA9	SNAP91
8	CDS1	C3orf1	SYPL1	C5orf4
9	RPIB9	PPAP2A	C8orf61	TTC19
10	HIP1	TP53AP1	ISOC1	LRRC8D
11	DAD1	SLC31A2	HIP1R	CD9
12	HHLA3	ATP6V0E1	CAMSAP1L1	LYRM2
13	PXMP3	SPAG9	PPP2R5C	MOG
14	TMEM42	TMEM165	SERPINI1	PRKCE
15	MAPRE1	ABCA8	CHCHD8	CDC14B
16	HSPA2	CLDN11	ARMC10	TNRC5
17	C10orf78	SEC22C	CKS1B	SPTLC2
18	FEZ1	PXK	GSN	COPE
19	BRP44L	CPEB3	LAMP2	PRDX4
20	AASS	IGSF11	PIR	C14orf24
21	C20orf23	PMF1	RNF13	ATG3
22	SLC44A1	KLHL4	ATP5S	GPR27
23	TMEM59	RNH1	TMEM87A	SFT2D1
24	PHF16	RARS	ZMAT5	GATM
25	SLCO3A1	ABTB2	RHBDD1	SGPL1
26	TTYH2	LGALS3BP	SLC9A9	MAPRE2
27	C1orf122	PTTG1IP	DSCAML1	TMBIM4
28	ACBD5	TTLL7	PSEN1	FBXO7

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Table 5: (*Cerebellum and Pons continued*)

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29	C6orf72	UGT8	FA2H	SCRG1
30	DOCK10	APBB2	DYNC1I2	POLR2G
31	RFFL	MTM1	NRBP2	NSMCE1
32	ARL6IP6	C10orf90	DAZAP2	FKSG30
33	KIAA0196	LIPA	ASPA	DYNLT1
34	M6PRBP1	PQLC3	EDIL3	SOX10
35	AK2	ANXA5	ENPP6	ELOVL4
36	RNF130	CDKN1C	CA14	C1orf19
37	CADM4	RIPK2	ENPP2	BTG3
38	CYP27A1	KIAA0256	KLK6	MYO1D
39	RHBDL2	PHF11	C20orf116	DHRS4
40	MYLK	TMEM63A	PAQR4	SCCPDH

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Table 5: (*Cerebellum and Pons continued*)

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41	RAB11FIP5	GAL3ST1	ADC	GM2A
42	TMEM125	POLR2F	PSPH	SLCO1A2
43	SEMA4D	PADI2	HRASLS3	GPR37
44	ACTL6A	C3orf63	GLTP	SALL1
45	KIAA0672	DDX19A	SNAP23	CCNB1
46	DTYMK	INTU	AFMID	SERF2
47	C10orf32	CA2	HOXD1	KIF13B
48	HPN	EXOSC5	LITAF	COL16A1
49	BVES	MOBKL2B	RRNAD1	CLU
50	STX2	UBE2G1	CXADR	RTKN
51	TGFA	TALDO1	NUDT5	CAPZA2
52	ELOVL6	ADIPOR1	AGPAT3	HIAT1

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Table 6: Genes from the top 500 genes in each brain area ranked by p-values shared in common between: Temporal and Pons

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1	GATM	CAT	SNAP23	CDC14B
2	PTTG1IP	DTYMK	PPAP2B	COMT
3	ARL6IP6	MEGF10	HSCB	PIR
4	HIST1H2AC	MTM1	ACY1	CYP2J2
5	WDFY2	RAB9A	AASS	SASH1
6	ZFAND3	PSMC1	QKI	MYO6
7	C3orf70	HIP1	SPAG9	SGPL1

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Table 6: (*Temporal and Pons continued*)

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8	ACAA2	TTL4	PXMP3	CBR1
9	RELA	ATP6V0E1	PPP2R5C	CHCHD8
10	CA2	AGPAT3	TJP2	CLU
11	POLR2F	CCNB1	MARCKSL1	SYPL1
12	SCRG1	DVL3	ZMAT5	ACTL6A
13	ELOVL2	PRDX4	HIP1R	RHBDD1
14	DYNLT1	RPL18P13	PPIB	COPE
15	MIF4GD	MAPRE1	C6orf72	KRT10
16	FBXO8	PCCB	SLC9A9	PIK3C2A
17	PFN1	NKX2-2	C1orf122	HSPA2
18	PDE6D	SFT2D1	KUA-UEV	SEC22C
19	PARP4	RARS	AP3M1	TMEM38B
20	GSN	CAMSAP1L1	UBP1	ITGAV
21	PGCP	PPAP2A	TNRC5	RBM4B
22	IGSF11	SERF2	C5orf4	CRYL1
23	MTUS1	DHRS4L2	C3orf63	ABTB2
24	NUDT5	POU3F2	GRHPR	H3F3AP4
25	FNTA	DHRS4	ELOVL4	EFHD1
26	SLC35B2	FAM96A	C1orf198	OMA1
27	ANKFY1	POLR3A	CADM4	SGCE
28	ARPC5L	HHLA3	CTNNA1	TTC19
29	TP53AP1			

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