Table 1: Fifty genes whose expression levels were most strongly positively correlated with the expression of $MB-COMT$ by brain area

Rank	Prefrontal	Cerebellum	Temporal	Pons
1	*RPL18*	*CPQ*	*GATM*	*KLK3*
2	*CAT*	*CAT*	*CAT*	*TMEM189-UBE2V1*
3	*S-COMT*	*PCCB*	*MMP28*	*S-COMT*
4	*ACY1*	*FUCA2*	*SNAP23*	*HIST1H2AC*
5	*CHCHD8*	*TMEM170A*	*CDC14B*	*SYPL1*
6	*GATM*	*RAB9A*	*THSD1*	*FNTA*
7	*MYO6*	*MBOAT2*	*PTTG1IP*	*TMEM170A*
8	*RPL18A*	*S-COMT*	*DTYMK*	*PRDX4*
9	*C1ORF122*	*CYB5D2*	*PLPP3*	*GATM*
10	*YBX1*	*ACTG1*	*S-COMT*	*CAT*
11	*CDC14B*	*SELENOP*	*ALDH2*	*PSEN1*
12	*EDNRB*	*TMEM189-UBE2V1*	*EDNRB*	*CLU*
13	*PDLIM3*	*CBR1*	*ECH1*	*SLCO3A1*
14	*C6ORF48*	*VPS41*	*ARL6IP6*	*SPAG9*
15	*PGCP*	*PIGT*	*SLC25A20*	*KIF16B*

Table 1: *(Top 50 positively correlated genes continued)*

Rank	Prefrontal	Cerebellum	Temporal	Pons
16	PPIB	GRHPR	GLUL	MEGF10
17	ECH1	PFN1	MEGF10	HSPA2
18	DTYMK	MARCKSL1	IL17RB	AGPS
19	HSCB	PYCR2	GSTM2	B3GAT1
20	TTLL4	FNTA	HSCB	QKI
21	CSTB	MYO6	PIR	ADIPOR1
22	MEGF10	C3orf70	DPY19L3	PIGM
23	PNKD	DIRC2	PNPO	PIGT
24	H3F3C	PDE6D	SLC39A12	ARL6IP6
25	POLR2F	GRM3	HIST1H2AC	GSN
26	RPS2	PDE4B	MTM1	MOG
27	ZFAND3	B3GAT1	CSTB	MTM1
28	CLU	QKI	LRP4	SEC22C
29	PKM2	PLPP3	CLDN10	LGALS3BP
30	PTTG1IP	PPIB	ACY1	MED30
31	RPL19	ABCA9	RGCC	TMBIM4

Table 1: *(Top 50 positively correlated genes continued)*

Rank	Prefrontal	Cerebellum	Temporal	Pons
32	SERF2	TYW1	ASRGL1	MPLKIP
33	COPE	TIMMDC1	CRB1	UGT8
34	AASS	PTPRZ1	LRRC3B	PPIB
35	RPS14	WLS	PGM1	SPTLC2
36	C12ORF39	SYPL1	ARHGAP24	GATB
37	SPAG9	FAXDC2	CYP2J2	POLR2F
38	LIMS1	CPT2	WDFY2	TP53TG1
39	SNAP23	FGFR2	CAMKMT	CD9
40	PABPC1	PLPP1	RAB9A	PFN1

Table 1: *(Top 50 positively correlated genes continued)*

Rank	Prefrontal	Cerebellum	Temporal	Pons
41	*PPAP2B*	*CLN8*	*AASS*	*HIST1H4H*
42	*ZMAT5*	*HIP1*	*AQP4*	*PCSK6*
43	*RPS5*	*ISOC1*	*PTPRZ1*	*DTYMK*
44	*SCNM1*	*LRRC8D*	*MLC1*	*TJP2*
45	*BCAN*	*TP53TG1*	*PON2*	*Septin 10*
46	*RPL13A*	*DAD1*	*SASH1*	*SFT2D1*
47	*C20ORF58*	*SLC31A2*	*ZFAND3*	*CBR1*
48	*C3orf70*	*CD9*	*RIT1*	*ABHD17B*
49	*ELP4*	*DFFA*	*MERTK*	*MPC1*
50	*RPL12*	*HHLA3*	*DOCK7*	*RAB9A*