

Table 1: Percentages of 50 Most Strongly Correlated (+/-) Genes Shared in Common Between Two Areas

Comparison	Positively Correlated			Negatively Correlated		
	Shared Genes k (N)	Percentage	$\log_{10} p$	Shared Genes k (N)	Percentage	$\log_{10} p$
prefrontal cortex vs. cerebellum	11 (50)	22%	-20.8 ¹	6 (50)	12%	-10.4
prefrontal cortex vs. temporal cortex	25 (50)	50%	-57.1	10 (50)	20%	-18.6
prefrontal cortex vs. pons	11 (50)	22%	-20.8	6 (50)	12%	-10.4
cerebellum vs. temporal cortex	11 (50)	22%	-20.8	0 (48)	0%	-0.9
cerebellum vs. pons	6 (50)	12%	-10.4	1 (50)	2%	-2.2
temporal cortex vs. pons	10 (48)	21%	-18.6	4 (49)	8%	-6.8

¹The probability of finding k or more genes correlated negatively with *COMT* expression shared between two areas by chance.