

Table 1: Observed, expected number of negative correlations and associated hypergeometric p-values by brain area for the 200 genes whose *COMT* expression correlations had the smallest p values.

	Prefrontal	Cerebellum	Temporal	Pons
Number of negative correlations	44	37	10	9
Expected number of negative correlations	124	126	130	120
Sample size	200	200	200	200
Proportion of negative correlations: sample	0.220	0.185	0.050	0.045
Total number of negative correlations	10246	10365	10700	9867
Total number of genes	16536	16469	16424	16398
Proportion negative correlations: total	0.620	0.629	0.651	0.602
Log10(probability)	-30.311	-37.635	-73.327	-63.957