

	Studies with brain activity maps correlated with pattern of expression of the divergent genes		
	Cortex	Subcortical structures	Both
All studies N=19244 Social: 7184 (37.33%)	N=1309 Social: 655 (50.04%)	N=1298 Social: 503 (38.75%)	N=95 Social: 47 (49.47%)
Studies with multiple subjects N=2569 Social: 319 (12.41%)	N=96 Social: 10 (10.41%)	N=228 Social: 33 (14.47%)	N=1 Social: 0

Supplementary Table 6. Summary of the statistically significant correlations between the fMRI statistical maps from *Neurovault* and the expression pattern of divergent genes in either cortex or subcortical structure (bootstrap correcting for GC12 content and CDS length). The column “Both” refer to the number of maps both significantly correlated to cortex and subcortical structures. The grey cell indicates a statistical enrichment for social tasks (Fisher exact test, $p=2.8e-20$).