

Additional File 5

Table of MRI results.

*MNI coordinates refer to the cluster maximum in MNI space

**Initial p: cluster p-value derived after correction at the voxel level at $Z > 2.3$ and cluster level thresholding at $p < 0.025$ (FWE)

***Corrected p: p-value after subsequent correction for familiarity and medication use.

+Effects represent altered activity in the Reward Cue > Non-Reward Cue contrast

NA=Not applicable; (bil.)= bilateral.

REWARD ANTICIPATION					
Contrast	Cluster location	MNI coordinates* (X Y Z)	Cluster extent (voxels)	Initial p**	Corrected p***
Reward Cue > Non-Reward Cue	Brain-wide, including: Occipital cortex (bil.) Posterior parietal cortex (bil.) Parahippocampal cortex (bil.) Fusiform cortex (bil.) Cerebellum Sensorimotor cortex (bil.) Posterior, mid and anterior cingulate cortex Insular cortex (bil.) Basal ganglia Left midfrontal gyrus	14 -76 8	72250	3.83×10^{-28}	NA
Non-Reward Cue > Reward Cue	Left inf. frontal gyrus Medial prefrontal gyrus	-40 40 -12	19571	1.56×10^{-11}	NA
	Posterior cingulate and retrosplenial cortex	2 -58 40	3560	0.002	NA
	Bilateral hippocampus	24 -12 -18	2747	0.008	NA
Positive effect of ASD symptoms+	Left insula	-44 -24 6	208	3.4×10^{-6}	0.002
Negative effect of ADHD symptoms+	Left dorsolateral prefrontal cortex	-34 22 30	161	7.65×10^{-5}	0.003

REWARD OUTCOME				
Contrast	Cluster location	MNI coordinates* (X Y Z)	Cluster extent (voxels)	Initial p**
Reward Hit-Miss > Non-reward Hit-Miss	Brain-wide, including: Inferior parietal cortex (bil.) Posterior parietal cortex (bil.) Lateral occipital cortex (bil.) Posterior, mid and anterior cingulate gyrus Orbitofrontal cortex Medial prefrontal cortex Striatum Amygdala (bil.) Hippocampus (bil.)	-46 -56 -14	53407	3.95 $\times 10^{-29}$
Non-reward Hit-Miss > Reward Hit-Miss	NA	NA	NA	NA