

Supplementary Materials for Clinical and Molecular Correlates of Abnormal Changes in the Cerebellum and Globus Pallidus in Fragile X Premutation

Supplementary Table 1 Comparisons of controls with and without pallidal T2-abnormalities at last visits.

Measurements	No Pallidal Sign	With Pallidal Sign	Comparisons	95% CI	P Values	FDR
<i>Controls</i>						
Age: mean (SD) [N]	62.9 (8.2) [71]	68.5 (8.0) [11]	$t = 2.18$	0.08, 11.22	0.047	0.19
Intention tremor: % [N]	21.3 [61]	22.2 [9]	OR = 0.82	0.15, 4.66	0.83	0.95
Cerebellar ataxia: % [N]	9.8 [61]	11.1 [9]	OR = 0.97	0.10, 9.38	0.98	0.98
BDS: mean (SD) [N]	22.0 (3.1) [60]	22.88 (2.9) [8]	$\beta = 1.24$	-1.01, 3.49	0.28	0.56
Psych. symptoms: mean (SD) [N]	53.3 (11.4) [53]	46.1 (7.5) [8]	$\beta = -5.91$	-13.7, 1.88	0.14	0.37
Depression: mean (SD) [N]	55.2 (10.8) [53]	43.3 (6.0) [8]	$\beta = -10.9$	3.46, 18.3	0.006	0.048
CGG repeat: mean (SD) [N]	29.0 (4.3) [69]	28.3 (6.5) [11]	$t = -0.34$	-5.14, 3.74	0.74	0.95
<i>FMRI</i> mRNA: mean (SD) [N]	1.35 (0.37) [68]	1.25 (0.47) [11]	$t = -0.66$	-0.42, 0.22	0.52	0.83

CI, confidence interval; FDR, false discovery rate; SD, standard deviation; OR, odds ratio; BDS, Behavioral Dyscontrol Scale; *FMRI*, fragile X mental retardation 1