

Supplementary Online Content

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eTable 1. Neuropsychological tests and cognitive domains

eTable 2. Performance of *PARKIN* compound heterozygotes/homozygotes carriers and noncarriers on individual neuropsychological tests (group means and SDs)

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Neuropsychological tests and cognitive domains

Domain	Tests
Psychomotor speed	Trail Making Test, Part A (TMT-A) Stroop Color Word Test, Part A (word reading) and Part B (color naming) trials
Attention	Trail Making Test, Part B (TMT-B) Stroop Color Word Test, Part C (color word trial)
Memory	California Verbal Learning Test-II (CVLT-II) Wechsler Memory Scale-R Visual Reproduction subtest (WMS-R Visual Reproduction) Benton Visual Retention Test-Revised Delayed Recall trial (BVRT)
Visuospatial function	Benton Visual Retention Test-Revised, Matching Trial (BVRT) Benton Facial Recognition Test (BFRT)
Executive function	Controlled Oral Word Association Test (COWAT) Category fluency CVLT-II Recognition Errors (False Positives)

eTable 2. Performance of *PARKIN* compound heterozygotes/homozygotes carriers and noncarriers on individual neuropsychological tests (group means and SDs)

Test	<i>PARKIN</i> compound heterozygotes/homozygotes (n=21)	Noncarriers (n=23)	P value
Psychomotor Speed			
Trail Making Test, Part A raw score (sec)* <i>Range</i>	47.5 (42.8) 20-205	65.5 (46.6) 27-240	0.199
Stroop Test Word Reading raw score <i>Range</i>	79.1 (14.6) 49-102	75.5 (20.6) 35-126	0.531
Stroop Test Color Naming raw score <i>Range</i>	59.4 (10.1) 40-80	48.9 (14.5) 13-69	0.010
Attention			
Trail Making Test, Part B raw score (sec)* <i>Range</i>	104.9 (64.7) 30-240	151.6 (69.2) 55-295	0.034
Stroop Color Word Raw score <i>Range</i>	32.7 (9.0) 15-46	26.7 (10.6) 10-48	0.055
Memory			
CVLT Total Recall (trials 1-5) raw score <i>Range</i>	40.4 (7.6) 27-51	34.5 (10.4) 17-56	0.041
CVLT Long Delayed Free Recall raw score <i>Range</i>	9.0 (3.1) 4-14	5.8 (3.8) 0-11	0.004
CVLT Delayed Recognition Total Hits raw score <i>Range</i>	13.1 (2.8) 7-16	13.6 (1.9) 8-16	0.540
WMS-R Visual Repro I raw score <i>Range</i>	25.4 (8.7) 9-38	24.1 (10.6) 0-35	0.653
WMS-R Visual Repro II raw score <i>Range</i>	19.8 (11.2) 0-36	19.8 (10.6) 0-34	0.991
BVRT Recognition subtest raw score <i>Range</i>	8.8 (1.5) 5-10	7.3 (2.2) 2-10	0.012
Visuospatial Function			
BVRT Matching subtest raw score <i>Range</i>	9.7 (0.7) 8-10	9.0 (1.7) 4-10	0.068
Facial Recognition Total raw score <i>Range</i>	22.1 (2.2) 18-26	21.2 (5.3) 12-39	0.487
Executive Function			
COWAT Total raw score <i>Range</i>	38.8 (11.5) 15-57	30.3 (16.1) 5-63	0.054
Category Fluency Total raw score <i>range</i>	18.3(5.4) 5-28	13.9 (6.2) 2-24	0.018
CVLT Delayed Recognition False Positives raw score <i>Range</i>	4.6(4.1) 0-17	4.7 (3.8) 0-13	0.928

* low scores reflect higher performance