

Appendix D – BDNF genotype data

Comparison between val/val and val/met genotype on the post minus pre assessment differences of the performance-based and biological measures for the combined groups. Statistically significant differences are noted with a *.

	Genotype	N	Mean	Standard Deviation	P value
MBT difference ON	val/val	14	1.54	2.26	.146
	val/met	3	-0.33	1.53	
MBT difference OFF	val/val	13	2.54	2.33	.296
	val/met	4	0.75	2.75	
UPDRSIII difference ON	val/val	14	-4.23	7.79	.102
	val/met	4	-12.75	6.70	
UPDRSIII difference OFF	val/val	13	-5.85	11.10	.703
	val/met	4	-7.00	3.16	
STS difference ON	val/val	14	1.15	2.82	.350
	val/met	4	2.25	1.50	
STS difference OFF	val/val	13	2.00	3.21	.202
	val/met	4	0.00	1.15	
6MWT difference ON	val/val	14	41.03	31.93	.060*
	val/met	4	11.43	16.31	
6MWT difference OFF	val/val	13	46.43	61.05	.703
	val/met	4	26.09	47.75	
BDNF difference	val/val	14	951.94	1419.14	.503
	val/met	5	603.25	943.71	
SOD1 difference	val/val	13	0.057	0.202	.684
	val/met	4	0.007	0.038	
TNF α difference	val/val	13	-0.118	2.881	.387
	val/met	5	1.112	1.579	
IL6 difference	val/val	14	4.279	14.975	.143
	val/met	5	3.264	2.652	
IL10 difference	val/val	14	3.535	10.405	.566
	val/met	5	8.140	7.591	
IL10/TNF α ratio difference	val/val	14	0.678	1.532	.139
	val/met	5	1.672	1.487	