1 Supplemental Material

2 Figure 4: Block Span Forest Plot

Block Span Forest Plot Healthy PD Patients Study Controls (n) (n) Hedges' g [95% CI] 10 10 V. De Luca, 1998 -0.67 [-1.57, 0.23] Castillo et al.,2010 24 24 -0.04[-0.60, 0.53] Boldrini et al.,2005 15 15 -2.43 [-3.38 , -1.49] Purcell et al.,1998 30 30 -0.60 [-1.12 , -0.08] RE Model -0.89 [-1.86, 0.09] -4.00 -2.00 0.00 1.00 Standardized Mean Difference

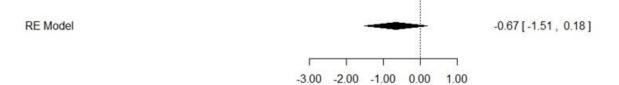
4 References: De Luca et al. (30)

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Figure 5: Digit Span Forest Plot 6

Digit Span Forest Plot Healthy PD Patients Controls (n) (n) Hedges' g [95% CI] Study 10 10 V. De Luca, 1998 -0.68 [-1.58 , 0.22] 24 24 Castillo et al.,2010 -0.31 [-0.88 , 0.26] Boldrini et al.,2005 15 15 -1.95 [-2.81 , -1.08] Lucas et al.,1991 25 25 0.09[-0.47, 0.64]



Standardized Mean Difference

1.00

9 Figure 6: Verbal IQ Forest Plot

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11

Verbal IQ Forest Plot				
	Healthy	PD Patients	5	
Study	Controls (n)	(n)		Hedges' g [95% CI]
A. Reinecke et al.,2011	22	23	-	-0.44 [-1.03 , 0.15]
R. Purcell et al.,1998	30	30	⊢	-0.59 [-1.11 , -0.07]
J.S. Kaplan et al.,2006	11	11		-0.36 [-1.20 , 0.49]
S. Galderisi et al.,2008	32	28	⊢	-0.67 [-1.19 , -0.15]
J.A. Lucas et al.,1991	25	25		-0.22 [-0.77 , 0.34]
J.A. Gladsjo et al.,1998	19	69	⊢	-0.84 [-1.36 , -0.31]
S. Lim et al.,2005	33	33	⊢ ■	-0.49 [-0.98 , 0.00]
RE Model			-	-0.54 [-0.75 , -0.33]
			-1.50 -1.00 -0.50 0.00 0.50	
			Standardized Mean Difference	
		Standardized Mean Difference		

References: Gladsjo et al. (31); Kaplan et al. (32); Purcell at al. (34); Reinecke et al. (35)

Figure 7: Neutral Stroop Publication Bias

13

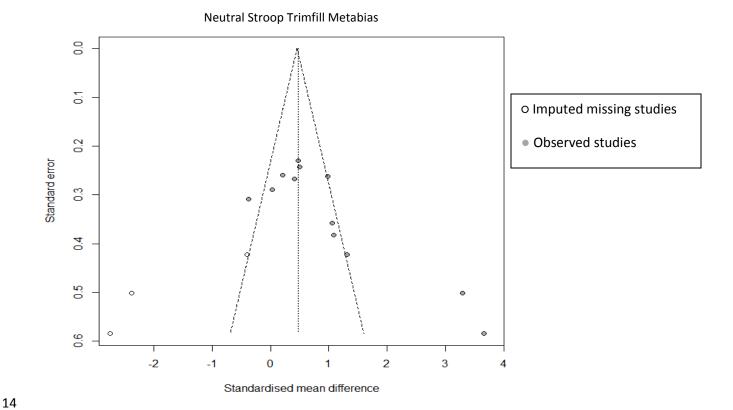
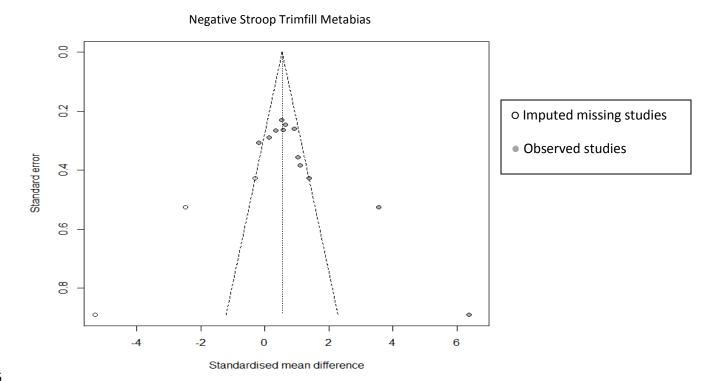


Figure 8: Negative Stroop Publication Bias



15