

Supplementary material belonging to:

Article: The Effects of Increased Dopamine-Levels on Attentional Control During Reading and Reading Comprehension

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ELECTRONIC SUPPLEMENTARY MATERIAL 2**Table S1**

Repeated Measures ANOVA Statistics for the Effect of DA on Attentional Control Including Main and Interaction Effects of the DRD4 7- vs. DRD4 7+ Genotype (n = 76).

Effects	ANOVA statistics		
	<i>F</i> (1,74)	<i>p</i>	η_p^2
<i>Main effects</i>			
DA condition (W)	1.56	.22	.021
Type of attentional control measure (W)	40.39	<.001	.353
DRD4 genotype (B)	.02	.88	.000
<i>Two-way interactions</i>			
DA condition * Type of attentional control measure	1.26	.29	.017
DA condition * DRD4 genotype	1.14	.29	.015
Type of attentional control measure * DRD4 genotype	.44	.65	.006
<i>Three-way interaction</i>			
DA condition * Type of attentional control measure * DRD4 genotype	.43	.65	.006

Note. (W) = within-subjects factor; (B) = between-subjects factor

Table S2

Repeated Measures ANOVA Statistics for the Effect of DA on Reading Comprehension Including Main and Interaction Effects of the DRD4 7- vs. DRD4 7+ Genotype (n = 80).

Effects	ANOVA statistics			
	<i>F</i>	<i>df</i>	<i>p</i>	η^2
<i>Main effects</i>				
DA condition (W)	11.52	1,78	.001	.129
Type of reading comprehension measure (W)	334.09	2.49,194.06	< .001	.811
DRD4 genotype (B)	.001	1,78	.97	.000
<i>Two-way interactions</i>				
DA condition * Type of reading comprehension measure	.93	2.26,176.02	.41	.012
DA condition * DRD4 genotype	.76	1,78	.39	.010
Type of reading comprehension measure * DRD4 genotype	.84	2.49,194.06	.46	.011
<i>Three-way interaction</i>				
DA condition * Type of reading comprehension measure * DRD4 genotype	.50	2.26,176.02	.63	.006

Note. (W) = within-subjects factor; (B) = between-subjects factor; Mauchly's test indicated that the assumption of sphericity had been violated for the main effect of type of reading comprehension measure ($\chi^2 (9) = 115.11$, $p < .001$) and the interaction effect of condition and type of reading comprehension measure ($\chi^2 (9) = 111.02$, $p < .001$). Therefore, degrees of freedom for these effects were corrected using Greenhouse-Geisser estimates of sphericity ($\epsilon = .62$ for the main effect of condition and $\epsilon = .56$ for the interaction effect of condition and type of outcome measure).