

**Supplementary Table 1** COMT allele and genotype frequencies and Hardy-Weinberg analysis

<b>Group</b>	<b>N</b>	<b>Genotype (%)</b>			<b>Allele frequency (%)</b>		<b>p-value (HW)</b>
<b>rs737865</b>							
		<b>AA</b>	<b>AG</b>	<b>GG</b>	<b>A</b>	<b>G</b>	
Patients	160	84 (52.5)	75 (46.9)	1 (0.6)	75.9	24.1	< 0.001*
Controls	254	147 (57.9)	90 (35.4)	17 (6.7)	75.6	24.4	0.526
<b>rs165599</b>							
		<b>AA</b>	<b>AG</b>	<b>GG</b>	<b>A</b>	<b>G</b>	
Patients	210	66 (31.4)	102 (48.6)	42 (20.0)	55.7	44.3	0.820
Controls	256	74 (28.9)	119 (46.5)	63 (24.6)	52.15	47.85	0.272
<b>rs4680</b>							
		<b>AA (Val/Val)</b>	<b>AG (Val/Met)</b>	<b>GG (Met/Met)</b>	<b>A (Val)</b>	<b>G (Met)</b>	
Patients	186	71 (38.2)	83 (44.6)	32 (17.2)	60.5	39.5	0.365
Controls	256	90 (35.2)	121 (47.3)	45 (17.6)	58.8	41.2	0.695

HW = Hardy-Weinberg.

\*  $p < 0.001$ .

**Supplementary Table 2** *COMT* haplotype frequencies in schizophrenia and control groups

Haplotype	Schizophrenia	Control
<b>rs4680/rs165599</b>		
<b>G-G</b>	37.0%	42.5%
<b>G-A</b>	23.7%	16.3%
<b>A-G</b>	6.3%	5.8%
<b>A-A</b>	33.1%	35.4%
<b>rs737865/rs4680</b>		
<b>A-A</b>	40.3%	39.3%
<b>A-G</b>	35.8%	36.2%
<b>G-G</b>	22.4%	22.5%
<b>G-A</b>	1.5%	1.9%

**Supplementary Table 3** *COMT* haplotype association with cognitive variables adjusted by group, IQ

Response variable	rs4680/rs165599	rs4680/rs165599	rs737865/rs4680	Rs737865/rs4680
	Haplotype	Haplotype*Group	Haplotype	Haplotype*Group
	p-value	p-value	p-value	p-value
VWM task	0.677	0.052	0.468	0.384
Keep Track task	0.017*	0.057	0.040*	0.903
Letter Memory task	0.172	0.397	0.546	0.185

VWM = Visual Working Memory.

\*  $p < 0.05$ .