

Genetic markers as risk factors for the development of impulsive-compulsive behaviors in patients with Parkinson's disease receiving dopaminergic therapy

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Table S1. Characteristics of primers and PCR conditions.

Gene / SNP	Primers 5'-3'	T _{annealing}
<i>BDNF</i> rs2049046	F = CAAAGTGTGACTTCAGATTGTCTG R = AGAATAAGACAGCAGTACCGTACTT	56°C
<i>BDNF</i> rs6265	F = GAGGACAAGGTGGCTTGGCCTA R = GGCCGAACCTTCTGGTCCTC	61°C
<i>DBH</i> rs1611115	F = CTAGTCCAGCTGGAGAGATCT R = TTTGCCATCATCCACCCGTG	61°C
<i>DBH</i> rs141116007	F = AATCAGGCACATGCACCTCC R = GGCCCTGAGGAATCTTACAGG	56°C
<i>DBH</i> rs2097629	F = GGCTTGGTGTGGTTAGGATGA R = CCAGGGTCTTGTGCCTCACA	60°C
<i>DRD2</i> rs6275	F = ATGGAGATGCTCTCCAGCAC R = ACCTTTCACAGACCGGGCTG	60°C
<i>DRD2</i> rs1799732	F = AGGACCCAGCCTGCAATCAC R = TGCCGGTTCGGCACTGAAG	60°C

<i>MAOA</i> VNTR	F = ACAGCCTCGCCGTGGAGAAG R = GAACGGACGCTCCATTCGGA	55°C
<i>ACE</i> rs4646994	F = CTCCCATTCTCTAGACCTG R = GCTCACCTCTGCTTGTAAG	55°C
<i>SLC6A3</i> rs27072	F = CCACGCATCGGGAAAGGACT R = GCACCTCGCCGTGTCTTGT	59°C
<i>DRD1</i> rs686	F = GTGTGTTGGAAAGCAGCAGAG R = CTGTCCCCAGCCCTATCAG	58°C

Table S2. Characteristics of primers and probes, PCR-RealTime conditions. * - SNaPshot

Gene / SNP	Primers 5'-3'	T _{annealing}
<i>DRD2</i> rs2283265 *	G = GGAAACAGGCTCATAGAAGGTATGC T = CCGGCGCGGCCCGCGGAAACAGGCTCATAGAAGGTACGA F = TTTTGCTGAGTGACCTTAGGCAA	56°C
<i>DRD2</i> rs12364283 *	A = CTGTCCTCAGTTTGCCGGA G = GCGCGCGCGCGCCCTGTCTCAGTTTGCCTGG R = CAGCACCTGTTTAAGCCTCAGT	57°C
<i>DRD2</i> rs1076560 *	C = TTGCAGGAGTCTTCAGAGTGG A = CGGGCCGGCCGCCGGTTGCAGGAGTCTTCAGAGCGT F = CTGCACCAGAGGCAGAGG	58°C
<i>COMT</i> rs6267	F = GCAGCGCATCCTGAACC R = CTTCTGCTCGCAGTAGGTGTC FAM-CGGGAACGCACAGAGC-BHQ1 VIC-CGGGAACTCACAGAGCG-BHQ1	55°C
<i>SLC6A4</i> rs38130034	F = AATAATAACCTCCATACACAATTGAG R = TTCTTATCTCTAGTCCAATATTTTGG FAM-TAGAATTTGTTAATGTAAGAAAAA-BHQ1 VIC-GAATTTGTTACTGTAAGAAAAA-BHQ	55°C

Table S3. Restrictases and restriction fragments.

Gene	rsID	Endonuclease	Sizes of fragments
<i>BDNF</i>	rs2049046	Hinfl	A=163+35; T=198
<i>BDNF</i>	rs6265	PspCI	A=157; G=116+41
<i>DBH</i>	rs1611115	FauI	C=89+77, T=166
<i>DBH</i>	rs2097629	BstMAI	C=179+50, T=132+50+47
<i>DRD2</i>	rs6275	BssT1I	C=343; T=247+96
<i>DRD2</i>	rs1799732	AgsI	C=273; (-)=148+125
<i>SLC6A3</i>	rs27072	MspI	CC=210+145, TT=355

<i>DRD1</i>	rs686	BstC8I	GG=161+71; AA=230
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