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Table S1 SNPs selected for the study

	Candidate SNP	Chromosome	Gene
1	rs737865	22	*COMT*
2	rs165599		
3	rs4680		
4	rs3918347	12	*DAO*
5	rs4623951		
6	rs3916971	13	*DAOA*
7	rs778293*		
8	rs746187		
9	rs6675281*	1	*DISC1*
10	rs3738401		
11	rs875462	6	*DTNBP1*
12	rs1040410*		
13	rs6926401		
14	rs3213207*		
15	rs2619539		
16	rs10503929*	8	*NRG1*
17	rs62510682		
18	rs6277	11	*DRD2*
19	rs686	5	*DRD1*
20	rs10063995		

	SNPs from GWAS	Chromosome	Genes within 20kb
1	rs5761163*	22	*MYO18B, ADRBK2*
2	rs3130375	6	*MHC region
3	rs1187102	10	*ITGB1*
4	**rs11165690**	**1**	***PTBP2***
5	rs11201716	10	*GRID1*
6	rs6779328	3	*RARB*
7	rs10162662	15	
8	rs2473277	1	*CDC42-AS1*
9	rs6538780	12	
10	rs34691	5	*MAST4*
11	rs984078	5	*MFAP3, GALNT10, FAM114A2*
12	rs6501685	17	
13	**rs12139286**	**1**	

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14	rs17360690	8	*LOC107986973*
15	**rs10017932**	**4**	***NEK1, CLCN3***
16	rs4938268*	11	
17	rs12099027	11	*ARAP1*
18	rs2058919	14	
19	rs9271850*	6	*HLA-DRB1, HLA-DRB5, HLA-DQA1, HLA-DRA, C6orf10, BTNL2*
20	rs370520	6	*ZBED9*
21	rs7198295	16	*BEAN1*
22	rs17403795*	11	*MRVI1, LYVE1*
23	rs12614381	2	
24	rs3822398	5	*ARHGAP26*
25	rs2779562	9	*GABBR2*
26	rs8000946*	13	*ALG5*
27	rs10125618	9	*GLDC*
28	rs12443391	15	*ARRDC4*
29	rs10150328	14	*LINC01500*
30	**rs10226475**	**7**	***MAD1L1***
31	rs1811441*	18	
32	rs854041	5	
33	rs871061	4	*BANK1*
34	rs7691359*	4	
35	rs2468083	12	
36	rs5932307*	23	
37	rs1594002*	5	
38	rs1991976	4	
39	rs4586917	4	*RBPJ*
40	rs1113145*	10	

Bold type corresponds to SNPs present in the recent 2022 Psychiatric Genomics Consortium.
* Excluded because not adequately clusterized or not in HWE (15).

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Table S2 HWE and minor allele frequency of adequately clusterized SNPs

	HWE		
SNP	**Chi-square**	**p**	**Minor allele frequency**
1. rs10017932	3.598	0.057	0.42 (G)
2. rs10063995	0.005	0.942	0.07 (T)
3. rs10125618	0.724	0.394	0.35 (A)
4. rs10150328	0.335	0.562	0.28 (C)
5. rs10162662	1.061	0.302	0.05 (C)
6. rs10226475	0.501	0.478	0.33 (G)
7. rs1040410*	404	0	0.01 (A)
8. rs11165690	0.006	0.937	0.26 (C)
9. rs11201716	0.850	0.356	0.08 (C)
10. rs1187102	1.286	0.256	0.27 (G)
11. rs12099027	0.001	0.974	0.31 (C)
12. rs12139286	0.039	0.842	0.14 (A)
13. rs12443391	3.737	0.053	0.14 (T)
14. rs12614381	0.953	0.328	0.21 (C)
15. rs1594002*	3.978	0.046	0.06 (C)
16. rs165599	0.880	0.348	0.47 (G)
17. rs17360690	0.359	0.548	0.3 (A)
18. rs1811441*	6.993	0.008	0.28 (A)
19. rs1991976	1.480	0.223	0.22 (G)
20. rs2058919	0.210	0.646	0.48 (G)
21. rs2468083	0.130	0.717	0.21 (A)
22. rs2473277	0.062	0.802	0.43 (G)
23. rs2619539	2.736	0.098	0.42 (C)
24. rs2779562	0.091	0.761	0.46 (T)
25. rs3130375	0.347	0.555	0.07 (A)
26. rs34691	0.110	0.793	0.47 (A)
27. rs370520	0.683	0.408	0.42 (C)
28. rs3738401	0.624	0.429	0.31 (A)
29. rs3822398	2.371	0.123	0.25 (C)
30. rs3916971	0.380	0.537	0.48 (T)
31. rs3918347	0.224	0.635	0.38 (G)
32. rs4586917	0.345	0.556	0.13 (T)
33. rs4623951	0.684	0.408	0.32 (C)
34. rs4680	1.428	0.231	0.39 (A)
35. rs4938268*	7.396	0.006	0.39 (A)
36. rs5932307*	110.384	0	0.08 (A)
37. rs62510682	0.012	0.909	0.3 (T)
38. rs6277	0.008	0.925	0.38 (A)

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39. rs6501685	0.600	0.438	0.11 (T)
40. rs6538780	0.121	0.727	0.29 (T)
41. rs6675281*	5.338	0.020	0.12 (T)
42. rs6779328	0.108	0.741	0.43 (T)
43. rs686	0.238	0.625	0.4 (G)
44. rs6926401	1.332	0.248	0.05 (G)
45. rs7198295	1.731	0.188	0.49 (T)
46. rs737865	0.377	0.538	0.25 (G)
47. rs746187	0.0006	0.980	0.26 (G)
48. rs7691359*	6.356	0.011	0.39 (G)
49. rs8000946*	6.183	0.012	0.36 (T)
50. rs854041	0.012	0.911	0.05 (T)
51. rs871061	0.565	0.451	0.40 (A)
52. rs875462	0.099	0.752	0.19 (C)
53. rs9271850*	4.316	0.037	0.37 (G)
54. rs984078	0.586	0.443	0.21 (A)

*Not in HWE.