

	18	rs1176744	Exon 5 (Y129S)	113,308,238	A/C	0.292 (C)	0.972	0.437	C_7488596_1_-
	19	rs2276307	Intron 6	113,309,097	A/G	0.226 (G)	0.821	0.870	C_1646949_1_-
	20	rs1672717	Intron 6	113,317,943	A/G	0.425 (G)	1.000	1.000	C_3053558_10
	21	rs17614942	Intron 8	113,321,587	C/A	0.049 (A)	0.987	1.000	C_32983576_10

^a All chromosomal locations are in reference to: NC_000017.9 for *SLC6A4*, NM_006028.3 for *HTR3B*, and NM_213621.1 for *HTR3A*.

SNP=single-nucleotide polymorphism; ABI=Applied Biosystems (Foster City, CA); OND=ondansetron.

^b From HapMap CEU (European ancestry) sample.

^c Data from this study.

^d Reference citation: Garcia LF, Aluja A, Fibla J, Cuevas L, Garcia O: Incremental effect for antisocial personality disorder genetic risk combining 5-HTTLPR and 5-HTVNTR polymorphisms. Psychiatry Res 2010; 177:161–166.

^e pilot_1_CEU_low_coverage_panel.

TABLE S2. Continued

Gene	SNP	Genotype	DDD in Ondansetron Group				DDD in Placebo Group				Ondansetron vs. Placebo Comparison					
			Estimate	95% CI		N	Estimate	95% CI		N	Estimate	95% CI		p-Value for DDD Difference	FDR ^b	p-Value for Genotype Frequency Difference
			Estimate	Lower	Upper	N	Estimate	Lower	Upper	N	Estimate	Lower	Upper	p-Value for DDD Difference	FDR ^b	p-Value for Genotype Frequency Difference
rs1672717	AA		5.54	4.75	6.33	57	6.19	5.39	7	53	-0.65	-1.73	0.43	0.236		0.414
	AG		5.54	4.78	6.29	62	5.76	5.05	6.48	66	-0.23	-1.22	0.77	0.655		0.813
	GG		7.4	6.03	8.76	17	6.37	5.15	7.60	21	1.03	-0.79	2.84	0.269		0.640
rs17614942	AC		3.86	2.49	5.22	17	6.59	5.31	7.88	19	-2.73	-4.6	-0.87	0.004	0.156	0.896
	AA		5.58	0.03	11.13	1	4.04	-1.65	9.73	1	1.54	-6.38	9.47	0.703		0.964
	CC		6.09	5.52	6.66	117	5.97	5.42	6.53	119	0.12	-0.61	0.84	0.757		0.958

^a Genetic polymorphisms that were associated with more than 1.5 drinks/drinking day difference between the ondansetron and placebo groups, and that had more than five subjects within each treatment group, are enclosed within boxes. SNP=single-nucleotide polymorphism; DDD=drinks per drinking day; CI=confidence interval; FDR=false discovery rate.

^bAs mentioned in the Method section, FDR values were assessed only for the variants that survived the “screening process”.

TABLE S3. Combinations of Genotypes Significantly Associated with the Primary Outcome Measure, Drinks per Drinking Day^a

Combination	Genotype Combination	Population Carrying the Genotype Combination	Estimated Mean Difference for DDD (95% CI) and p-Value
1	<i>SLC6A4</i> -LL/TT + <i>HTR3A</i> -rs1176713-GG	O=3 P=3 (2%)	-7.64 (-12.65 to -2.63) 0.003
2	<i>SLC6A4</i> -LL/TT + <i>HTR3B</i> -rs17614942-AC	O=6 P=4 (4%)	-4.25 (-7.87 to -0.63) 0.021
3	<i>SLC6A4</i> -LL/TT + <i>HTR3A</i> -rs1150226-AG + <i>HTR3B</i> -rs17614942-AC	O=4 P=3 (3%)	-4.05 (-8.41 to 0.31) 0.069
4	<i>SLC6A4</i> -LL/TT + <i>HTR3A</i> -rs1150226-AG	O=5 P=3 (3%)	-3.92 (-8.09 to 0.26) 0.066

^a All comparisons are between the ondansetron and placebo groups and are listed in descending order of magnitude of their drinks per drinking day reductions; mean differences for DDD are in standard drinks; negative values indicate improvement from baseline. DDD=drinks per drinking day; CI=confidence interval; O=ondansetron; P=placebo.