

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2072661	CHRNA2	1	152,815,504	0.23	Dom	0.4 (0.25-0.67)	1.77 (1.02-3.07)	1.81 (0.79-4.14)	9.70E-01	9.97E-04	1.33E-02
rs2072660	CHRNA2	1	152,815,345	0.23	Add	0.5 (0.32-0.76)	1.51 (0.88-2.59)	2.33 (1.11-4.88)	3.28E-01	2.86E-03	2.34E-02
rs12961210	ADCYAP1	18	890,523	0.32	Add	1.85 (1.33-2.57)	2.15 (1.07-4.31)	1.86 (1.14-3.03)	6.74E-01	1.15E-03	2.59E-02
rs2565059	CHRNA2	8	27,392,895	0.19	Add	2.32 (1.46-3.68)	1.76 (0.98-3.16)	2.06 (1.11-3.83)	7.97E-01	1.49E-03	3.14E-02
rs1936158	HTR1B	6	78,241,094	0.41	Dom	0.53 (0.33-0.84)	3.14 (1.52-6.49)	1.14 (0.63-2.07)	3.51E-02	1.20E-03	3.43E-02
rs10517626	TDO2	4	157,050,894	0.10	Add	1.81 (1.1-2.99)	1.39 (0.84-2.31)	3.98 (1.6-9.91)	4.26E-02	4.03E-03	4.16E-02
rs11575553	DDC	7	50,493,713	0.11	Dom	1.96 (1.12-3.42)	1.38 (0.83-2.3)	4.9 (1.81-13.22)	2.63E-02	3.46E-03	6.19E-02
rs2985331	EPB41	1	29,207,950	0.15	Dom	2.21 (1.37-3.56)	1.65 (0.93-2.91)	2.4 (1.11-5.19)	4.45E-01	3.58E-03	7.22E-02
rs265975	DRD1	5	174,794,801	0.33	Dom	0.5 (0.32-0.79)	2.29 (1.21-4.31)	1.26 (0.65-2.44)	2.02E-01	3.25E-03	7.86E-02
rs11904814	CREB1	2	208,135,043	0.31	Add	0.6 (0.41-0.88)	1.26 (0.7-2.28)	2.46 (1.34-4.52)	9.06E-02	1.17E-02	8.20E-02
rs2551640	CREB1	2	208,116,138	0.36	Add	0.61 (0.43-0.87)	1.3 (0.7-2.41)	2.15 (1.25-3.72)	1.66E-01	1.35E-02	9.22E-02
rs4837479	FREQ (NCS1)	9	131,979,828	0.15	Add	0.73 (0.44-1.22)	1.15 (0.69-1.91)	5.83 (2.26-15.07)	2.42E-03	4.08E-03	1.03E-01
rs1213369	HTR1B	6	78,234,976	0.43	Dom	0.53 (0.33-0.85)	2.95 (1.39-6.27)	1.32 (0.75-2.34)	9.53E-02	4.44E-03	1.09E-01
rs13152449	TDO2	4	157,055,252	0.10	Add	1.71 (1.04-2.83)	1.44 (0.87-2.39)	3.72 (1.48-9.31)	6.83E-02	1.24E-02	1.11E-01
rs7369949	CREB1	2	208,159,033	0.36	Add	0.63 (0.45-0.9)	1.24 (0.66-2.3)	2.22 (1.29-3.82)	1.10E-01	1.80E-02	1.17E-01
rs1916610	ADCYAP1	18	882,847	0.47	Add	1.71 (1.22-2.39)	2.1 (0.9-4.91)	1.85 (1.17-2.93)	7.13E-01	6.04E-03	1.18E-01
rs4140535	HTR1B	6	78,231,771	0.37	Dom	0.57 (0.36-0.89)	2.74 (1.37-5.46)	1.2 (0.66-2.21)	8.04E-02	5.77E-03	1.29E-01
rs17635123	DDC	7	50,543,469	0.12	Dom	1.83 (1.08-3.11)	1.4 (0.83-2.36)	4.36 (1.73-11.03)	3.62E-02	8.42E-03	1.64E-01
rs863126	DRD1	5	174,795,954	0.34	Dom	1.86 (1.17-2.95)	1.32 (0.64-2.74)	2.13 (1.19-3.81)	3.15E-01	1.22E-02	1.65E-01
rs4602840	DDC	7	50,530,315	0.13	Dom	1.83 (1.08-3.11)	1.4 (0.83-2.36)	4.36 (1.73-11.03)	3.62E-02	8.42E-03	1.66E-01
rs2238687	FOSB	19	50,665,006	0.13	Add	1.72 (1.1-2.71)	1.51 (0.89-2.57)	2.58 (1.18-5.65)	2.51E-01	2.67E-02	1.78E-01
rs7569963	CREB1	2	208,181,429	0.29	Add	0.69 (0.47-1.01)	1.31 (0.73-2.36)	2.3 (1.26-4.2)	1.53E-01	7.68E-02	1.82E-01
rs2709402	CREB1	2	208,129,222	0.18	Dom	1.7 (1.07-2.71)	2.32 (1.28-4.19)	1.18 (0.57-2.41)	1.53E-01	3.76E-02	1.84E-01
rs1045780	CREB1	2	208,175,395	0.18	Dom	1.68 (1.06-2.67)	2.32 (1.28-4.19)	1.15 (0.56-2.36)	1.40E-01	3.95E-02	1.92E-01
rs2551642	CREB1	2	208,121,742	0.18	Dom	1.68 (1.06-2.67)	2.32 (1.28-4.19)	1.15 (0.56-2.36)	1.40E-01	3.95E-02	1.92E-01
rs1806584	CREB1	2	208,174,515	0.18	Dom	1.68 (1.06-2.67)	2.32 (1.28-4.19)	1.15 (0.56-2.36)	1.40E-01	3.95E-02	1.92E-01
rs2551928	CREB1	2	208,174,023	0.19	Dom	1.61 (1.02-2.55)	2.31 (1.28-4.18)	1.16 (0.57-2.35)	1.42E-01	5.84E-02	1.92E-01
rs2551921	CREB1	2	208,143,800	0.18	Dom	1.68 (1.06-2.67)	2.32 (1.28-4.19)	1.15 (0.56-2.36)	1.40E-01	3.95E-02	1.92E-01
rs265974	DRD1	5	174,793,846	0.33	Dom	0.56 (0.36-0.88)	2.28 (1.2-4.32)	1.34 (0.71-2.56)	2.56E-01	1.54E-02	1.95E-01
rs12373400	ADCYAP1	18	913,096	0.38	Dom	0.57 (0.36-0.91)	2.81 (1.38-5.71)	1.33 (0.74-2.39)	1.11E-01	1.24E-02	1.99E-01
rs2551923	CREB1	2	208,150,021	0.18	Dom	1.66 (1.05-2.65)	2.32 (1.28-4.18)	1.24 (0.6-2.56)	1.91E-01	5.64E-02	1.99E-01
rs3766927	CHRNA2	1	152,830,765	0.30	Dom	0.55 (0.35-0.87)	1.5 (0.82-2.74)	2.1 (1.05-4.21)	4.76E-01	3.32E-02	2.07E-01
rs1519097	DRD5	4	9,411,951	0.32	Add	1.35 (0.85-2.15)	1.15 (0.61-2.19)	2.17 (1.29-3.65)	7.10E-02	6.44E-02	2.16E-01
rs934778	POMC	2	25,242,728	0.33	Dom	1.46 (0.92-2.3)	1.03 (0.52-2.06)	2.62 (1.43-4.8)	4.67E-02	2.52E-02	2.17E-01
rs9475210	HCRTR2	6	55,210,529	0.06	Add	0.62 (0.22-1.75)	1.4 (0.87-2.25)	17.17 (2.09-141.28)	2.26E-02	1.20E-02	2.18E-01
rs1127314	CHRNA2	1	152,822,890	0.30	Dom	0.62 (0.43-0.89)	1.51 (0.83-2.75)	2.09 (1.04-4.19)	3.56E-01	2.62E-02	2.19E-01
rs2551931	CREB1	2	208,179,725	0.18	Dom	1.64 (1.03-2.61)	2.36 (1.3-4.27)	1.15 (0.56-2.36)	1.31E-01	4.67E-02	2.20E-01
rs6702335	EPB41	1	29,283,837	0.38	Add	0.64 (0.46-0.89)	2.12 (1.11-4.06)	1.57 (0.95-2.6)	3.89E-01	1.29E-02	2.23E-01
rs2709371	CREB1	2	208,092,932	0.19	Add	1.52 (1.03-2.23)	2.18 (1.23-3.86)	1.34 (0.72-2.5)	2.22E-01	6.58E-02	2.35E-01

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							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs11663172	ADCYAP1	18	910,173	0.39	Dom	0.6 (0.38-0.96)	2.96 (1.43-6.09)	1.3 (0.73-2.33)	8.32E-02	1.54E-02	2.38E-01
rs2253206	CREB1	2	208,100,223	0.48	Dom	0.57 (0.35-0.92)	1.2 (0.55-2.62)	2.13 (1.21-3.72)	2.43E-01	4.74E-02	2.41E-01
rs6977868	PRKAR2B	7	106,577,791	0.18	Dom	1.11 (0.67-1.83)	1.16 (0.67-1.99)	4.44 (1.88-10.49)	9.41E-03	1.88E-02	2.52E-01
rs2131902	CHRNA2	1	152,826,222	0.31	Add	0.65 (0.45-0.93)	1.45 (0.8-2.6)	2.07 (1.16-3.67)	3.36E-01	4.40E-02	2.61E-01
rs1310277	DRD1	5	174,786,176	0.13	Add	0.73 (0.45-1.21)	2.34 (1.4-3.92)	0.74 (0.31-1.77)	2.28E-02	2.34E-02	2.64E-01
rs3811450	CHRNA2	1	152,817,656	0.08	Dom	0.41 (0.18-0.92)	1.66 (1.03-2.67)	4.03 (0.78-20.79)	3.21E-01	4.68E-02	2.67E-01
rs880028	DDC	7	50,537,630	0.21	Add	1.36 (0.85-2.18)	1.2 (0.69-2.11)	3.2 (1.66-6.16)	1.73E-02	1.60E-02	2.68E-01
rs1127313	CHRNA2	1	152,823,049	0.47	Dom	1.84 (1.02-3.31)	4.27 (1.43-12.76)	1.41 (0.85-2.33)	7.16E-02	3.25E-02	2.76E-01
rs11665625	ADCYAP1	18	890,332	0.46	Add	1.55 (1.12-2.15)	2.72 (1.19-6.23)	1.85 (1.17-2.94)	2.53E-01	1.93E-02	2.81E-01
rs2565055	CHRNA2	8	27,393,297	0.24	Dom	1.76 (1.12-2.77)	1.57 (0.83-2.95)	2.25 (1.17-4.32)	4.37E-01	2.78E-02	2.85E-01
rs1877032	PPP1R1B	17	35,024,590	0.08	Add	0.5 (0.25-1.01)	2.03 (1.22-3.36)	1.03 (0.28-3.82)	3.44E-01	6.31E-02	2.93E-01
rs6558000	CHRNA2	8	27,395,271	0.07	Add	0.45 (0.19-1.05)	1.48 (0.92-2.38)	7.32 (1.38-38.98)	7.11E-02	2.95E-02	2.93E-01
rs871058	CHRNA5	15	76,645,546	0.36	Dom	0.73 (0.47-1.16)	3.26 (1.61-6.59)	1.17 (0.65-2.11)	2.89E-02	2.71E-02	2.95E-01
rs3729876	PRKAR2B	7	106,574,188	0.18	Dom	1.04 (0.63-1.71)	1.16 (0.67-1.99)	4.37 (1.86-10.28)	1.00E-02	2.48E-02	3.07E-01
rs257387	PRKAR2B	7	106,595,716	0.18	Dom	1.09 (0.66-1.79)	1.17 (0.68-2.01)	4.3 (1.82-10.16)	1.19E-02	2.56E-02	3.14E-01
rs2878125	TDO2	4	157,053,811	0.12	Add	1.55 (0.98-2.45)	1.49 (0.89-2.5)	2.79 (1.22-6.35)	1.90E-01	4.57E-02	3.18E-01
rs10932201	CREB1	2	208,134,502	0.46	Dom	1.42 (0.83-2.42)	3.09 (1.18-8.06)	1.49 (0.89-2.5)	1.91E-01	2.32E-01	3.21E-01
rs17152020	DDC	7	50,517,353	0.21	Add	1.22 (0.83-1.8)	1.18 (0.68-2.06)	2.96 (1.56-5.63)	2.03E-02	2.93E-02	3.25E-01
rs12021667	EPB41	1	29,183,661	0.39	Add	0.64 (0.46-0.9)	1.95 (1.02-3.73)	1.65 (1-2.72)	6.34E-01	2.16E-02	3.27E-01
rs2985344	EPB41	1	29,176,902	0.29	Add	1.54 (1.1-2.14)	1.52 (0.81-2.86)	1.99 (1.2-3.3)	4.31E-01	2.34E-02	3.32E-01
rs150085	EPB41	1	29,120,374	0.29	Add	1.54 (1.1-2.14)	1.52 (0.81-2.86)	1.99 (1.2-3.3)	4.31E-01	2.34E-02	3.32E-01
rs203277	EPB41	1	29,107,918	0.29	Add	1.54 (1.1-2.14)	1.52 (0.81-2.86)	1.99 (1.2-3.3)	4.31E-01	2.34E-02	3.32E-01
rs2762682	EPB41	1	29,182,405	0.29	Add	1.54 (1.1-2.14)	1.52 (0.81-2.86)	1.99 (1.2-3.3)	4.31E-01	2.34E-02	3.33E-01
rs265976	DRD1	5	174,795,026	0.18	Dom	0.49 (0.29-0.84)	1.69 (1-2.85)	2.43 (0.94-6.31)	5.09E-01	2.58E-02	3.37E-01
rs11767623	PRKAR2B	7	106,579,568	0.18	Dom	1.06 (0.64-1.74)	1.17 (0.68-2.01)	4.26 (1.81-10.04)	1.24E-02	2.91E-02	3.41E-01
rs11575321	DDC	7	50,572,601	0.10	Dom	1.65 (0.92-2.96)	1.43 (0.86-2.36)	4.94 (1.72-14.19)	3.74E-02	2.40E-02	3.42E-01
rs11575313	DDC	7	50,573,662	0.10	Dom	1.65 (0.92-2.96)	1.43 (0.86-2.36)	4.94 (1.72-14.19)	3.74E-02	2.40E-02	3.42E-01
rs12027267	EPB41	1	29,251,462	0.39	Add	0.65 (0.47-0.91)	2.02 (1.05-3.89)	1.61 (0.98-2.64)	5.08E-01	2.35E-02	3.43E-01
rs2303933	CDK5	7	150,397,732	0.43	Dom	1.8 (1.08-2.99)	1.29 (0.54-3.09)	1.99 (1.17-3.38)	4.04E-01	3.68E-02	3.44E-01
rs12280580	DRD4	11	616,220	0.27	Add	1.06 (0.74-1.52)	1.11 (0.61-2.01)	2.64 (1.5-4.65)	1.96E-02	5.14E-02	3.46E-01
rs13106539	DRD5	4	9,406,801	0.37	Dom	1.23 (0.78-1.96)	1.04 (0.51-2.15)	2.43 (1.35-4.35)	7.57E-02	1.19E-01	3.49E-01
rs3775085	TDO2	4	157,042,829	0.10	Dom	1.07 (0.58-1.97)	1.39 (0.85-2.28)	5.33 (1.68-16.91)	3.64E-02	7.68E-02	3.64E-01
rs10033951	DRD5	4	9,388,678	0.31	Dom	1.43 (0.91-2.25)	1.37 (0.7-2.68)	2.18 (1.18-4.04)	3.16E-01	1.51E-01	3.66E-01
rs7539745	CHRNA2	1	152,793,038	0.14	Add	1.35 (0.89-2.05)	2.21 (1.3-3.78)	1.13 (0.55-2.32)	1.14E-01	1.14E-01	3.74E-01
rs1186675	KCNJ9	1	158,305,708	0.12	Add	0.7 (0.4-1.24)	1.39 (0.84-2.29)	4.55 (1.55-13.29)	4.79E-02	9.27E-02	3.79E-01
rs16956223	CHRNA7	15	30,198,075	0.17	Add	0.53 (0.33-0.86)	1.84 (1.1-3.09)	1.57 (0.67-3.67)	7.47E-01	2.00E-02	3.84E-01
rs2867383	DRD5	4	9,397,033	0.32	Dom	1.35 (0.86-2.13)	1.28 (0.65-2.52)	2.25 (1.22-4.13)	2.27E-01	1.70E-01	3.89E-01
rs7625282	DRD3	3	115,364,217	0.25	Add	0.77 (0.53-1.12)	2.56 (1.43-4.58)	1.15 (0.63-2.08)	3.46E-02	4.01E-02	3.91E-01
rs7655090	DRD5	4	9,374,973	0.32	Dom	1.43 (0.91-2.25)	1.44 (0.73-2.84)	2.05 (1.12-3.76)	4.43E-01	1.94E-01	3.95E-01

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rs893541	KLF16	19	1,809,183	0.19	Add	0.97 (0.61-1.54)	1.25 (0.73-2.15)	3.36 (1.52-7.44)	3.80E-02	9.31E-02	3.95E-01
rs11043016	TH	11	2,162,603	0.26	Dom	1.65 (1.05-2.59)	1.36 (0.72-2.57)	2.29 (1.19-4.41)	2.65E-01	3.67E-02	3.97E-01
rs1392808	CHRNA7	15	30,198,807	0.17	Add	0.54 (0.33-0.86)	1.84 (1.1-3.09)	1.55 (0.67-3.62)	7.30E-01	2.11E-02	3.97E-01
rs563649	OPRM1	6	154,449,660	0.09	Add	0.89 (0.48-1.65)	1.36 (0.83-2.2)	6.61 (2.02-21.6)	1.39E-02	2.87E-02	4.06E-01
rs265977	DRD1	5	174,795,863	0.17	Dom	0.5 (0.29-0.87)	1.7 (1.01-2.87)	2.1 (0.8-5.55)	7.11E-01	3.56E-02	4.14E-01
rs10914456	HCRTR1	1	31,860,758	0.45	Dom	0.72 (0.43-1.21)	1.4 (0.6-3.27)	2.43 (1.33-4.42)	3.00E-01	3.10E-01	4.17E-01
rs204060	EPB41	1	29,152,213	0.28	Add	1.51 (1.08-2.12)	1.53 (0.82-2.86)	2.02 (1.2-3.39)	4.25E-01	3.36E-02	4.20E-01
rs2472554	CHRNA2	8	27,384,271	0.30	Dom	0.95 (0.6-1.49)	3.2 (1.64-6.23)	1.01 (0.54-1.89)	1.36E-02	3.98E-02	4.29E-01
rs806378	CNR1	6	88,916,270	0.28	Add	0.96 (0.67-1.38)	1.08 (0.6-1.93)	2.77 (1.53-5)	1.09E-02	3.22E-02	4.30E-01
rs2741339	CHRNA2	8	27,390,886	0.27	Add	1.53 (1.08-2.15)	1.68 (0.9-3.13)	1.98 (1.17-3.34)	6.42E-01	4.03E-02	4.40E-01
rs9607272	MAPK1	22	20,466,398	0.25	Dom	0.83 (0.53-1.31)	2.62 (1.43-4.81)	1.02 (0.51-2.04)	4.53E-02	8.06E-02	4.45E-01
rs12130351	EPB41	1	29,269,534	0.07	Dom	2.21 (1.19-4.09)	1.72 (1.05-2.81)	1.96 (0.62-6.13)	8.37E-01	4.24E-02	4.48E-01
rs2741335	CHRNA2	8	27,393,708	0.27	Dom	1.59 (1.01-2.49)	1.38 (0.73-2.64)	2.44 (1.29-4.61)	2.22E-01	4.62E-02	4.50E-01
rs4275821	CHRNA5	15	76,636,596	0.37	Dom	0.74 (0.47-1.17)	3.07 (1.49-6.3)	1.24 (0.69-2.21)	5.47E-02	5.06E-02	4.54E-01
rs6881740	DRD1	5	174,791,768	0.37	Add	1.45 (1.05-1.99)	1.56 (0.78-3.11)	1.85 (1.16-2.96)	5.99E-01	5.53E-02	4.56E-01
rs10476156	DRD1	5	174,795,276	0.14	Add	0.72 (0.44-1.16)	2.28 (1.35-3.84)	0.81 (0.35-1.88)	3.36E-02	4.48E-02	4.59E-01
rs10939515	DRD5	4	9,382,394	0.18	Dom	1.33 (0.83-2.12)	2 (1.15-3.5)	1.34 (0.62-2.88)	4.02E-01	3.94E-01	4.64E-01
rs9635870	ADCYAP1	18	890,765	0.29	Add	0.65 (0.46-0.92)	1.62 (0.92-2.86)	2.01 (1.1-3.69)	5.54E-01	4.47E-02	4.65E-01
rs12039988	EPB41	1	29,298,420	0.39	Add	0.67 (0.48-0.94)	1.99 (1.04-3.83)	1.64 (1-2.69)	5.73E-01	4.20E-02	4.65E-01
rs9610375	MAPK1	22	20,517,093	0.49	Add	0.58 (0.35-0.95)	2.25 (1.06-4.78)	1.75 (1.11-2.77)	7.02E-01	7.87E-02	4.68E-01
rs8006462	CALM1	14	89,948,429	0.35	Add	1.61 (1.01-2.55)	1.52 (0.77-2.99)	1.99 (1.23-3.22)	5.01E-01	8.16E-02	4.68E-01
rs1800879	NTRK1	1	155,104,765	0.36	Add	0.89 (0.64-1.25)	2.99 (1.53-5.85)	1.45 (0.89-2.35)	3.29E-02	7.40E-02	4.70E-01
rs11766415	PRKAR2B	7	106,496,001	0.43	Add	1.25 (0.91-1.71)	1 (0.48-2.04)	1.93 (1.22-3.06)	4.11E-02	4.27E-02	4.75E-01
rs806376	CNR1	6	88,915,367	0.49	Dom	0.87 (0.52-1.45)	4.37 (1.79-10.63)	1.24 (0.73-2.11)	1.73E-02	3.49E-02	4.76E-01
rs3213718	CALM1	14	89,939,666	0.44	Dom	1.67 (0.99-2.84)	2.7 (1.06-6.91)	1.62 (0.96-2.74)	3.50E-01	1.27E-01	4.79E-01
rs6517254	CLIC6	21	35,002,160	0.38	Dom	0.57 (0.36-0.9)	1.73 (0.88-3.39)	1.97 (1.06-3.68)	7.77E-01	5.21E-02	4.83E-01
rs1866146	POMC	2	25,234,077	0.34	Add	0.78 (0.56-1.1)	2.51 (1.32-4.75)	1.44 (0.87-2.4)	1.13E-01	8.08E-02	4.83E-01
rs11564752	SLC6A3	5	1,497,985	0.06	Dom	0.84 (0.29-2.47)	1.44 (0.89-2.33)	14.14 (1.59-125.68)	4.50E-02	3.48E-02	5.07E-01
rs599548	OPRM1	6	154,460,254	0.14	Add	0.83 (0.49-1.4)	1.28 (0.77-2.13)	4.7 (1.78-12.38)	1.75E-02	4.28E-02	5.11E-01
rs2069443	CDK5	7	150,386,106	0.25	Add	0.9 (0.62-1.3)	2.45 (1.36-4.42)	1.24 (0.68-2.23)	7.48E-02	1.62E-01	5.11E-01
rs1037351	DDC	7	50,532,898	0.34	Add	1.12 (0.79-1.58)	1.02 (0.53-1.94)	2.29 (1.38-3.82)	2.15E-02	4.31E-02	5.19E-01
rs7543174	CHRN2	1	152,794,296	0.16	Add	1.15 (0.77-1.73)	2.12 (1.24-3.62)	1.24 (0.62-2.48)	1.92E-01	3.57E-01	5.20E-01
rs6142512	EPB41L1	20	34,178,851	0.17	Dom	0.75 (0.46-1.22)	2.19 (1.26-3.78)	1.08 (0.48-2.44)	1.62E-01	1.63E-01	5.30E-01
rs6142508	EPB41L1	20	34,160,719	0.17	Dom	0.75 (0.46-1.22)	2.19 (1.26-3.78)	1.08 (0.48-2.44)	1.61E-01	1.63E-01	5.35E-01
rs3180694	KCNJ9	1	158,328,008	0.12	Dom	0.61 (0.34-1.1)	1.55 (0.94-2.55)	3.29 (1.09-9.96)	2.25E-01	1.58E-01	5.35E-01
rs9616	CHRN2	1	152,822,357	0.27	Add	1.36 (0.96-1.93)	2.08 (1.12-3.89)	1.53 (0.9-2.6)	3.93E-01	1.93E-01	5.39E-01
rs157220	EPB41	1	29,083,883	0.38	Add	1.45 (1.06-1.98)	1.68 (0.84-3.37)	1.81 (1.14-2.89)	8.18E-01	5.53E-02	5.40E-01
rs9610470	MAPK1	22	20,539,139	0.26	Dom	0.8 (0.51-1.26)	2.48 (1.34-4.58)	1.12 (0.57-2.2)	8.78E-02	1.21E-01	5.48E-01
rs2266966	MAPK1	22	20,451,554	0.44	Add	0.74 (0.54-1.02)	2.07 (1.04-4.13)	1.7 (1.07-2.71)	5.40E-01	1.34E-01	5.50E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2303928	CDK5	7	150,370,263	0.40	Add	0.68 (0.49-0.96)	1.77 (0.91-3.41)	1.83 (1.11-3.02)	9.22E-01	8.17E-02	5.54E-01
rs2876981	MAPK1	22	20,535,611	0.40	Dom	0.63 (0.4-0.99)	1.81 (0.89-3.66)	1.71 (0.95-3.08)	9.02E-01	1.25E-01	5.55E-01
rs2834586	CLIC6	21	34,986,352	0.18	Add	0.69 (0.44-1.06)	2.13 (1.25-3.64)	1.17 (0.55-2.47)	1.80E-01	7.66E-02	5.62E-01
rs3753612	HCRTR1	1	31,854,997	0.47	Dom	0.89 (0.53-1.5)	0.93 (0.39-2.23)	2.37 (1.35-4.16)	8.03E-02	2.02E-01	5.63E-01
rs12608148	ADCYAP1	18	879,159	0.27	Dom	0.64 (0.41-1.01)	1.29 (0.71-2.33)	2.64 (1.3-5.35)	1.28E-01	6.92E-02	5.68E-01
rs2239316	CREBBP	16	3,853,996	0.27	Add	0.94 (0.65-1.35)	2.75 (1.49-5.06)	1.18 (0.67-2.08)	2.48E-02	7.04E-02	5.68E-01
rs2069459	CDK5	7	150,382,523	0.38	Add	1.04 (0.74-1.47)	1 (0.51-1.96)	2.1 (1.27-3.47)	3.63E-02	9.78E-02	5.70E-01
rs3788332	MAPK1	22	20,501,567	0.46	Add	1.21 (0.88-1.66)	1.56 (0.74-3.31)	1.74 (1.11-2.73)	7.40E-01	4.37E-01	5.71E-01
rs12054220	NCK1	3	138,160,271	0.49	Add	1.01 (0.74-1.37)	0.97 (0.46-2.05)	1.79 (1.13-2.83)	5.45E-02	1.50E-01	5.74E-01
rs2072659	CHRN2	1	152,815,145	0.10	Dom	0.58 (0.28-1.18)	1.77 (1.07-2.92)	2.84 (0.71-11.36)	5.30E-01	2.76E-01	5.74E-01
rs11101694	CALCYON	10	134,996,704	0.14	Add	0.7 (0.41-1.21)	1.53 (0.91-2.59)	3.01 (1.13-7.97)	2.29E-01	2.24E-01	5.75E-01
rs3743078	CHRNA3;CHRNA5	15	76,681,814	0.17	Dom	1.27 (0.83-1.94)	1.76 (1-3.08)	1.86 (0.87-3.99)	7.35E-01	5.09E-01	5.81E-01
rs4797325	ADCYAP1	18	879,905	0.40	Dom	0.67 (0.48-0.94)	1.66 (0.8-3.41)	1.84 (1.01-3.35)	6.51E-01	6.28E-02	5.81E-01
rs1017112	FREQ (NCS1)	9	131,976,625	0.17	Add	0.76 (0.48-1.2)	1.2 (0.71-2.03)	3.81 (1.7-8.58)	1.44E-02	2.93E-02	5.82E-01
rs2069454	CDK5	7	150,383,915	0.14	Add	1.44 (0.92-2.25)	1.61 (0.94-2.77)	2.56 (1.18-5.59)	3.11E-01	1.59E-01	5.83E-01
rs806377	CNR1	6	88,915,442	0.46	Dom	0.89 (0.54-1.47)	3.94 (1.69-9.18)	1.23 (0.72-2.12)	2.31E-02	5.10E-02	5.88E-01
rs4809549	CHRNA4	20	61,472,553	0.46	Add	0.81 (0.58-1.11)	2.96 (1.4-6.22)	1.68 (1.06-2.66)	8.60E-02	7.58E-02	5.90E-01
rs11633223	CHRN2	15	76,722,531	0.38	Dom	1.04 (0.65-1.67)	3.41 (1.61-7.21)	1.16 (0.66-2.06)	2.56E-02	7.89E-02	5.93E-01
rs2236610	CLIC6	21	34,982,538	0.16	Add	0.65 (0.41-1.04)	1.98 (1.17-3.37)	1.21 (0.54-2.74)	3.03E-01	8.68E-02	5.98E-01
rs2283791	MAPK1	22	20,460,945	0.44	Add	0.75 (0.55-1.03)	2.05 (1.03-4.09)	1.73 (1.08-2.76)	5.93E-01	1.55E-01	6.03E-01
rs10914457	HCRTR1	1	31,866,848	0.40	Add	1 (0.71-1.41)	3.19 (1.51-6.75)	1.86 (1.14-3.04)	1.27E-01	3.07E-01	6.04E-01
rs707127	NR4A2	2	156,877,056	0.36	Dom	0.64 (0.41-1)	1.93 (0.99-3.77)	1.71 (0.93-3.17)	7.94E-01	1.37E-01	6.05E-01
rs1063311	MAPK1	22	20,446,467	0.44	Add	0.75 (0.54-1.03)	1.99 (1-3.98)	1.72 (1.08-2.74)	6.48E-01	1.59E-01	6.08E-01
rs13428823	POMC	2	25,226,802	0.37	Add	0.75 (0.53-1.05)	2.27 (1.17-4.38)	1.57 (0.96-2.58)	2.96E-01	1.18E-01	6.14E-01
rs834830	NR4A2	2	156,911,506	0.23	Add	0.86 (0.57-1.28)	1.28 (0.73-2.26)	2.68 (1.38-5.21)	7.92E-02	1.84E-01	6.21E-01
rs6592961	DDC	7	50,540,384	0.22	Dom	1.35 (0.85-2.15)	1.31 (0.74-2.34)	2.9 (1.41-6)	9.39E-02	8.52E-02	6.22E-01
rs743409	MAPK1	22	20,459,215	0.45	Add	1.23 (0.9-1.68)	1.45 (0.69-3.05)	1.76 (1.12-2.78)	5.49E-01	3.25E-01	6.27E-01
rs2186287	CLIC6	21	34,990,935	0.34	Dom	0.6 (0.38-0.95)	1.8 (0.93-3.5)	1.79 (0.93-3.42)	9.89E-01	9.29E-02	6.30E-01
rs2834578	CLIC6	21	34,981,479	0.41	Dom	1.31 (0.81-2.13)	3.38 (1.51-7.57)	1.24 (0.72-2.15)	4.51E-02	8.62E-02	6.32E-01
rs5320	DBH	9	135,497,294	0.07	Dom	1.42 (0.72-2.81)	1.96 (1.18-3.26)	0.43 (0.12-1.52)	2.91E-02	6.00E-02	6.38E-01
rs7456339	DDC	7	50,583,334	0.14	Add	1.14 (0.73-1.77)	1.38 (0.83-2.29)	3.47 (1.55-7.75)	4.39E-02	9.24E-02	6.40E-01
rs7524405	HCRTR1	1	31,881,166	0.41	Add	0.79 (0.57-1.11)	1.36 (0.69-2.68)	1.92 (1.18-3.12)	3.14E-01	2.78E-01	6.44E-01
rs11043003	TH	11	2,159,730	0.26	Dom	1.52 (0.97-2.39)	1.39 (0.75-2.57)	2.3 (1.18-4.5)	2.75E-01	8.04E-02	6.45E-01
rs1049353	CNR1	6	88,910,354	0.26	Add	0.99 (0.69-1.42)	2.67 (1.48-4.83)	1.21 (0.68-2.12)	3.06E-02	9.45E-02	6.47E-01
rs3793336	CDK5	7	150,393,804	0.15	Add	0.87 (0.49-1.54)	1.21 (0.66-2.24)	2.99 (1.08-8.31)	1.26E-01	2.86E-01	6.50E-01
rs10914453	HCRTR1	1	31,847,623	0.40	Dom	0.86 (0.54-1.36)	1.42 (0.68-2.95)	2 (1.13-3.54)	4.71E-01	6.51E-01	6.51E-01
rs6141600	EPB41L1	20	34,175,724	0.28	Add	0.76 (0.53-1.1)	1.94 (1.07-3.52)	1.48 (0.83-2.63)	4.70E-01	2.35E-01	6.57E-01
rs936461	DRD4	11	626,496	0.35	Add	1.34 (0.95-1.89)	1.28 (0.63-2.59)	1.89 (1.15-3.09)	2.82E-01	1.03E-01	6.59E-01
rs8192595	ADCYAP1	18	897,521	0.09	Add	0.81 (0.43-1.52)	1.64 (1.01-2.68)	2.6 (0.79-8.53)	4.85E-01	6.60E-01	6.60E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs919197	GNAS	20	56,914,328	0.46	Add	1.49 (1.08-2.07)	2.36 (1.06-5.25)	1.83 (1.16-2.89)	4.44E-01	4.18E-02	6.60E-01
rs1474976	EPB41L1	20	34,195,786	0.11	Dom	1.19 (0.68-2.07)	1.47 (0.88-2.43)	3.35 (1.22-9.22)	1.53E-01	2.31E-01	6.63E-01
rs1228814	HTR1B	6	78,230,539	0.43	Add	1.31 (0.94-1.84)	1.08 (0.5-2.32)	1.93 (1.21-3.08)	9.03E-02	5.74E-02	6.69E-01
rs11954565	DRD1	5	174,782,513	0.36	Dom	1.62 (1.02-2.59)	1.75 (0.82-3.74)	1.84 (1.05-3.24)	9.16E-01	1.12E-01	6.70E-01
rs835540	DRD1	5	174,796,497	0.27	Dom	1.5 (0.95-2.35)	1.38 (0.75-2.51)	2.46 (1.23-4.92)	2.16E-01	7.96E-02	6.71E-01
rs12885713	CALM1	14	89,933,110	0.46	Dom	1.55 (0.91-2.63)	2.61 (1.01-6.74)	1.58 (0.94-2.66)	3.63E-01	2.17E-01	6.75E-01
rs10064525	SLC6A3	5	1,445,721	0.06	Dom	0.36 (0.13-1.06)	1.67 (1.04-2.67)	7.96 (0.9-70.72)	1.70E-01	6.35E-02	6.78E-01
rs12895068	CALM1	14	89,957,031	0.07	Add	0.96 (0.54-1.7)	1.93 (1.19-3.12)	1.08 (0.37-3.2)	3.30E-01	6.04E-01	6.80E-01
rs4436578	DRD2	11	112,811,975	0.12	Add	1.69 (1.09-2.63)	1.94 (1.15-3.26)	1.55 (0.72-3.35)	6.16E-01	5.49E-02	6.83E-01
rs2896135	CALM1	14	89,950,493	0.42	Add	1.32 (0.97-1.8)	1.69 (0.81-3.5)	1.81 (1.15-2.85)	8.28E-01	1.94E-01	6.83E-01
rs4656874	KCNJ9	1	158,311,246	0.31	Add	1.06 (0.75-1.5)	2.56 (1.34-4.87)	1.43 (0.86-2.38)	1.00E-01	2.55E-01	6.84E-01
rs2298432	MAPK1	22	20,453,189	0.35	Add	1.1 (0.79-1.53)	1.29 (0.67-2.47)	1.96 (1.19-3.22)	2.20E-01	3.21E-01	6.88E-01
rs10042486	HTR1A	5	63,297,085	0.50	Add	1.2 (0.87-1.63)	1.21 (0.55-2.65)	1.71 (1.09-2.69)	2.71E-01	2.64E-01	6.88E-01
rs13515	MAPK1	22	20,445,886	0.19	Add	0.99 (0.66-1.49)	1.36 (0.79-2.34)	2.65 (1.34-5.26)	1.09E-01	2.64E-01	6.88E-01
rs6703093	HCRTR1	1	31,866,148	0.49	Dom	1 (0.6-1.65)	0.92 (0.39-2.18)	2.25 (1.31-3.86)	8.52E-02	2.26E-01	6.93E-01
rs3814847	CALM1	14	89,931,789	0.37	Dom	1.43 (0.89-2.29)	1.86 (0.86-4.03)	1.8 (1.03-3.15)	9.49E-01	3.23E-01	6.94E-01
rs6859392	HTR1A	5	63,277,237	0.30	Dom	0.73 (0.47-1.15)	1.89 (1.02-3.49)	1.69 (0.87-3.31)	8.17E-01	3.64E-01	6.95E-01
rs11214613	DRD2	11	112,840,469	0.09	Add	0.84 (0.45-1.56)	2.22 (1.35-3.65)	0.54 (0.17-1.68)	2.31E-02	5.91E-02	6.96E-01
rs8136867	MAPK1	22	20,534,793	0.44	Dom	1.28 (0.79-2.09)	1.47 (0.64-3.34)	1.88 (1.1-3.22)	6.20E-01	5.11E-01	6.96E-01
rs6295	HTR1A	5	63,294,321	0.50	Add	1.23 (0.89-1.68)	1.26 (0.57-2.82)	1.72 (1.09-2.72)	3.38E-01	2.60E-01	6.97E-01
rs10085024	HTR1A	5	63,284,120	0.49	Add	1.18 (0.86-1.61)	1.18 (0.54-2.58)	1.73 (1.1-2.71)	2.33E-01	2.61E-01	7.01E-01
rs4789172	GRB2	17	70,853,307	0.49	Add	1.33 (0.97-1.83)	2.57 (1.14-5.79)	1.75 (1.11-2.76)	2.46E-01	1.41E-01	7.03E-01
rs11081411	ADCYAP1	18	883,205	0.16	Dom	0.81 (0.48-1.35)	2.03 (1.2-3.44)	1.31 (0.53-3.22)	4.12E-01	4.60E-01	7.08E-01
rs3787493	GNAS	20	56,914,543	0.46	Add	1.47 (1.06-2.04)	2.49 (1.11-5.56)	1.82 (1.15-2.88)	3.47E-01	4.83E-02	7.08E-01
rs876259	CALM1	14	89,952,709	0.07	Add	1 (0.56-1.8)	1.93 (1.19-3.13)	1.03 (0.34-3.1)	2.98E-01	5.77E-01	7.09E-01
rs1817074	DDC	7	50,541,506	0.37	Add	1 (0.71-1.41)	1.01 (0.52-1.97)	2.18 (1.33-3.59)	2.95E-02	8.32E-02	7.10E-01
rs2471005	DRD1	5	174,814,813	0.39	Add	0.77 (0.56-1.06)	1.31 (0.7-2.47)	2.03 (1.23-3.36)	1.82E-01	1.34E-01	7.10E-01
rs11723579	TDO2	4	157,057,151	0.48	Dom	0.83 (0.5-1.38)	2.82 (1.17-6.78)	1.47 (0.87-2.49)	2.15E-01	3.06E-01	7.11E-01
rs3780711	FREQ (NCS1)	9	131,982,864	0.12	Add	0.74 (0.43-1.3)	1.31 (0.78-2.19)	4.85 (1.71-13.79)	2.36E-02	4.50E-02	7.13E-01
rs2834590	CLIC6	21	34,991,708	0.17	Add	1 (0.62-1.59)	1.33 (0.78-2.27)	3.18 (1.38-7.34)	8.10E-02	1.77E-01	7.18E-01
rs5755694	MAPK1	22	20,530,530	0.44	Dom	1.27 (0.78-2.07)	1.51 (0.66-3.44)	1.86 (1.09-3.19)	6.78E-01	5.61E-01	7.18E-01
rs708905	FOSB	19	50,669,312	0.13	Add	0.94 (0.57-1.55)	1.41 (0.85-2.34)	3.44 (1.39-8.55)	8.52E-02	2.10E-01	7.19E-01
rs1549760	CDK5	7	150,386,772	0.21	Dom	1.19 (0.76-1.89)	2.41 (1.32-4.38)	1.14 (0.56-2.29)	1.12E-01	2.32E-01	7.20E-01
rs5999550	MAPK1	22	20,481,286	0.46	Add	1.21 (0.88-1.66)	1.54 (0.73-3.25)	1.76 (1.12-2.76)	6.80E-01	4.20E-01	7.23E-01
rs11704205	MAPK1	22	20,475,253	0.46	Add	1.21 (0.88-1.66)	1.54 (0.73-3.25)	1.76 (1.12-2.76)	6.80E-01	4.20E-01	7.23E-01
rs1892848	MAPK1	22	20,516,562	0.46	Add	1.21 (0.88-1.66)	1.54 (0.73-3.25)	1.76 (1.12-2.76)	6.80E-01	4.20E-01	7.23E-01
rs17759598	MAPK1	22	20,452,149	0.15	Add	0.77 (0.48-1.23)	1.48 (0.89-2.47)	2.75 (1.2-6.34)	1.97E-01	2.62E-01	7.25E-01
rs5871	CALM1	14	89,941,231	0.07	Add	1.39 (0.8-2.44)	2 (1.22-3.27)	0.91 (0.32-2.54)	1.68E-01	2.31E-01	7.30E-01
rs2303937	CDK5	7	150,399,719	0.45	Dom	1.55 (0.92-2.62)	2.01 (0.8-5.09)	1.68 (1-2.82)	7.41E-01	2.40E-01	7.31E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2164808	POMC	2	25,230,680	0.41	Add	0.94 (0.68-1.3)	2.73 (1.35-5.5)	1.59 (0.99-2.53)	1.03E-01	2.30E-01	7.33E-01
rs10415949	FOSB	19	50,654,639	0.24	Dom	0.82 (0.52-1.31)	1.49 (0.84-2.65)	2.33 (1.11-4.91)	3.53E-01	5.03E-01	7.34E-01
rs11739696	DRD1	5	174,789,227	0.39	Add	1.33 (0.97-1.82)	1.5 (0.76-2.99)	1.85 (1.16-2.95)	5.15E-01	1.46E-01	7.35E-01
rs265973	DRD1	5	174,793,305	0.44	Add	0.71 (0.51-0.98)	1.61 (0.82-3.19)	1.86 (1.15-2.99)	6.70E-01	1.04E-01	7.37E-01
rs7125415	DRD2	11	112,815,891	0.09	Dom	1.72 (0.98-3.04)	2.1 (1.26-3.5)	0.92 (0.33-2.52)	1.52E-01	6.85E-02	7.38E-01
rs1860803	PRKAR2B	7	106,567,076	0.41	Add	0.82 (0.59-1.14)	2.81 (1.41-5.6)	1.59 (0.99-2.56)	9.35E-02	9.93E-02	7.41E-01
rs2304297	CHRNA6	8	42,727,356	0.23	Dom	1.43 (0.91-2.24)	1.74 (0.95-3.19)	1.8 (0.91-3.55)	9.39E-01	2.92E-01	7.43E-01
rs2271537	TDO2	4	157,049,273	0.49	Add	1.24 (0.87-1.78)	1.18 (0.5-2.82)	1.7 (1.05-2.74)	3.24E-01	2.72E-01	7.45E-01
rs10770141	TH	11	2,150,416	0.39	Dom	1.58 (0.97-2.56)	1.32 (0.6-2.93)	2 (1.15-3.47)	4.03E-01	1.05E-01	7.47E-01
rs835634	NCK1	3	138,158,993	0.41	Add	1.03 (0.75-1.42)	2.98 (1.44-6.14)	1.62 (1.02-2.58)	6.41E-02	1.77E-01	7.50E-01
rs717099	PRKAR2B	7	106,528,174	0.46	Add	0.95 (0.7-1.29)	3.28 (1.57-6.85)	1.69 (1.08-2.67)	3.82E-02	1.01E-01	7.50E-01
rs324029	DRD3	3	115,364,313	0.29	Add	0.87 (0.61-1.24)	2.56 (1.39-4.69)	1.29 (0.75-2.24)	5.74E-02	1.23E-01	7.51E-01
rs3801969	PRKAR2B	7	106,498,728	0.45	Add	1.29 (0.94-1.78)	1.26 (0.59-2.69)	1.81 (1.15-2.84)	2.76E-01	1.54E-01	7.54E-01
rs891507	CDK5	7	150,382,999	0.15	Dom	0.73 (0.43-1.25)	1.73 (1.01-2.96)	1.94 (0.76-4.96)	8.34E-01	5.09E-01	7.55E-01
rs7546297	HCRTR1	1	31,879,081	0.41	Add	0.87 (0.63-1.21)	1.38 (0.7-2.72)	1.9 (1.18-3.08)	3.47E-01	5.09E-01	7.55E-01
rs10798880	HCRTR1	1	31,869,675	0.41	Add	0.85 (0.61-1.18)	1.33 (0.67-2.64)	1.92 (1.19-3.1)	2.88E-01	4.11E-01	7.56E-01
rs403636	SLC6A3	5	1,491,354	0.17	Dom	1.69 (1.06-2.7)	2.05 (1.15-3.65)	1.46 (0.69-3.07)	4.76E-01	8.01E-02	7.58E-01
rs3776511	SLC6A3	5	1,460,129	0.21	Dom	1.71 (1.07-2.73)	1.86 (1.01-3.46)	1.72 (0.84-3.5)	8.65E-01	7.82E-02	7.58E-01
rs126014	EPB41	1	29,092,765	0.38	Add	1.39 (1.02-1.91)	1.73 (0.85-3.51)	1.83 (1.15-2.93)	8.56E-01	1.07E-01	7.58E-01
rs4938012	ANKK1	11	112,764,864	0.34	Dom	0.63 (0.4-0.98)	2.19 (1.13-4.23)	1.43 (0.77-2.67)	3.60E-01	6.54E-02	7.60E-01
rs2644596	NTRK1	1	155,118,938	0.20	Add	1 (0.67-1.49)	1.99 (1.13-3.5)	1.47 (0.77-2.82)	4.62E-01	7.60E-01	7.60E-01
rs7281040	CLIC6	21	34,978,271	0.20	Add	0.7 (0.47-1.06)	1.94 (1.13-3.34)	1.47 (0.73-2.95)	5.12E-01	1.65E-01	7.60E-01
rs9892427	PPP1R1B	17	35,058,384	0.08	Add	0.72 (0.38-1.36)	1.94 (1.19-3.15)	0.95 (0.29-3.1)	2.73E-01	3.24E-01	7.61E-01
rs7123797	ANKK1	11	112,767,781	0.36	Dom	0.63 (0.4-0.98)	2.19 (1.13-4.23)	1.43 (0.77-2.67)	3.60E-01	6.54E-02	7.62E-01
rs6454673	CNR1	6	88,927,768	0.31	Add	0.97 (0.69-1.37)	1.12 (0.62-2.05)	2.36 (1.37-4.05)	3.54E-02	1.00E-01	7.62E-01
rs2070367	CLIC6	21	35,001,362	0.20	Dom	0.62 (0.38-1.01)	1.76 (1.03-3.02)	1.82 (0.79-4.19)	9.51E-01	1.46E-01	7.62E-01
rs324022	DRD3	3	115,369,988	0.29	Dom	0.8 (0.51-1.26)	2.44 (1.3-4.56)	1.21 (0.63-2.32)	1.29E-01	1.70E-01	7.63E-01
rs167770	DRD3	3	115,362,252	0.28	Add	0.88 (0.62-1.25)	2.54 (1.39-4.66)	1.29 (0.74-2.23)	5.83E-02	1.31E-01	7.65E-01
rs1599789	ADCYAP1	18	881,312	0.26	Add	0.69 (0.47-1.02)	1.95 (1.09-3.48)	1.65 (0.89-3.05)	6.69E-01	1.24E-01	7.66E-01
rs267417	DRD1	5	174,813,120	0.39	Dom	0.71 (0.45-1.13)	1.2 (0.61-2.35)	2.5 (1.34-4.66)	1.16E-01	1.21E-01	7.69E-01
rs9624019	GNAZ	22	21,737,301	0.10	Add	1.13 (0.63-2.05)	1.42 (0.86-2.34)	3.96 (1.29-12.18)	9.80E-02	1.27E-01	7.72E-01
rs6501775	GRB2	17	70,822,168	0.05	Dom	0.78 (0.35-1.71)	2.03 (1.25-3.29)	0.57 (0.12-2.66)	1.03E-01	2.36E-01	7.73E-01
rs2292536	TDO2	4	157,059,101	0.47	Dom	1.4 (0.84-2.33)	2.74 (1.12-6.67)	1.51 (0.9-2.56)	2.61E-01	2.66E-01	7.73E-01
rs10853372	ADCYAP1	18	913,261	0.41	Dom	1.42 (0.85-2.38)	2.3 (0.94-5.63)	1.67 (0.98-2.84)	5.46E-01	3.75E-01	7.74E-01
rs2834587	CLIC6	21	34,986,503	0.34	Dom	0.64 (0.41-1)	1.77 (0.92-3.42)	1.88 (1-3.55)	8.97E-01	1.49E-01	7.74E-01
rs2409531	CLIC6	21	34,975,371	0.21	Add	0.7 (0.46-1.05)	1.94 (1.13-3.34)	1.5 (0.75-3)	5.37E-01	1.59E-01	7.76E-01
rs7281533	CLIC6	21	34,969,460	0.21	Add	0.7 (0.46-1.05)	1.94 (1.13-3.34)	1.5 (0.75-3)	5.37E-01	1.59E-01	7.76E-01
rs10915216	EPB41	1	29,229,250	0.49	Add	0.74 (0.54-1.01)	2.04 (0.97-4.29)	1.71 (1.09-2.7)	5.86E-01	1.13E-01	7.76E-01
rs2271933	HCRTR1	1	31,865,112	0.43	Dom	0.77 (0.48-1.24)	1.23 (0.58-2.62)	2.28 (1.28-4.06)	2.05E-01	2.82E-01	7.77E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs4511641	FOSB	19	50,685,408	0.44	Dom	1.16 (0.84-1.6)	1.39 (0.62-3.12)	1.96 (1.14-3.37)	8.67E-01	6.26E-01	7.77E-01
rs12705406	PRKAR2B	7	106,579,790	0.13	Dom	0.96 (0.55-1.68)	1.37 (0.83-2.29)	4.15 (1.49-11.57)	5.89E-02	1.41E-01	7.78E-01
rs891398	CHRNA2	8	27,380,739	0.48	Add	1.23 (0.88-1.71)	1.1 (0.49-2.46)	1.78 (1.14-2.8)	1.60E-01	1.21E-01	7.81E-01
rs17340577	PRKAR2B	7	106,506,649	0.08	Add	0.74 (0.36-1.49)	1.49 (0.92-2.41)	5.01 (1.27-19.85)	1.01E-01	1.88E-01	7.81E-01
rs4798767	ADCYAP1	18	917,475	0.41	Dom	1.4 (0.84-2.33)	1.82 (0.76-4.36)	1.82 (1.07-3.09)	9.99E-01	3.99E-01	7.83E-01
rs6957586	PRKAR2B	7	106,489,869	0.33	Dom	1.03 (0.66-1.62)	1.06 (0.54-2.08)	2.61 (1.41-4.81)	5.38E-02	1.45E-01	7.83E-01
rs4810147	GNAS	20	56,855,022	0.46	Dom	1.45 (0.85-2.47)	4.08 (1.57-10.62)	1.33 (0.79-2.23)	4.31E-02	6.57E-02	7.91E-01
rs1316971	CHRN4	15	76,717,565	0.17	Add	1.32 (0.88-1.98)	1.53 (0.89-2.62)	2.43 (1.22-4.84)	2.65E-01	2.31E-01	7.91E-01
rs1611123	DBH	9	135,498,904	0.50	Dom	0.83 (0.49-1.39)	4.01 (1.61-9.96)	1.32 (0.78-2.22)	3.84E-02	6.64E-02	7.91E-01
rs968335	HCRTR1	1	31,858,363	0.48	Dom	0.95 (0.58-1.57)	0.98 (0.42-2.31)	2.21 (1.29-3.8)	1.17E-01	2.90E-01	7.93E-01
rs12441998	CHRN4	15	76,716,427	0.17	Add	1.33 (0.88-1.99)	1.54 (0.9-2.63)	2.41 (1.21-4.81)	2.78E-01	2.30E-01	7.93E-01
rs11659736	ADCYAP1	18	905,937	0.36	Dom	0.78 (0.49-1.22)	2.64 (1.32-5.31)	1.32 (0.73-2.38)	1.36E-01	1.50E-01	7.95E-01
rs950776	CHRN4	15	76,713,073	0.35	Dom	1.05 (0.66-1.66)	2.88 (1.42-5.81)	1.22 (0.67-2.19)	6.63E-02	1.83E-01	7.95E-01
rs2846579	ADCYAP1	18	891,897	0.12	Dom	0.57 (0.31-1.04)	1.65 (1-2.72)	2.63 (0.86-8.06)	4.60E-01	1.54E-01	7.96E-01
rs3795955	POMC	2	25,228,609	0.25	Add	0.8 (0.57-1.12)	2.1 (1.21-3.65)	1.48 (0.83-2.64)	3.12E-01	2.29E-01	7.97E-01
rs9044	TDO2	4	157,065,537	0.50	Dom	0.83 (0.61-1.13)	2.08 (0.9-4.85)	1.64 (0.96-2.8)	8.37E-01	4.83E-01	7.97E-01
rs234628	GNAS	20	56,919,006	0.43	Add	1.43 (1.03-1.98)	1.93 (0.9-4.13)	1.8 (1.14-2.84)	8.39E-01	9.70E-02	7.97E-01
rs11749035	DRD1	5	174,815,658	0.16	Add	1.17 (0.76-1.8)	2.3 (1.34-3.97)	1.03 (0.5-2.12)	6.72E-02	1.56E-01	8.00E-01
rs2453737	DRD1	5	174,791,508	0.39	Dom	1.54 (0.96-2.46)	1.49 (0.69-3.19)	1.96 (1.12-3.43)	5.66E-01	1.36E-01	8.00E-01
rs3743073	CHRNA3;CHRN4	15	76,696,594	0.38	Dom	0.8 (0.51-1.27)	2.58 (1.26-5.29)	1.39 (0.78-2.49)	1.90E-01	2.38E-01	8.01E-01
rs806381	CNR1	6	88,922,620	0.34	Add	0.96 (0.68-1.34)	1.08 (0.57-2.04)	2.21 (1.32-3.71)	4.03E-02	1.15E-01	8.01E-01
rs4654390	EPB41	1	29,311,603	0.49	Add	0.75 (0.55-1.03)	2.12 (1.01-4.45)	1.71 (1.09-2.7)	5.16E-01	1.23E-01	8.02E-01
rs4522666	CHRNA4	20	61,444,924	0.36	Dom	1.46 (0.91-2.34)	1.43 (0.66-3.09)	2.08 (1.19-3.64)	4.43E-01	1.64E-01	8.02E-01
rs1051730	CHRNA3;CHRNA5	15	76,681,394	0.41	Add	0.87 (0.63-1.21)	1.3 (0.66-2.56)	1.93 (1.19-3.12)	2.37E-01	3.92E-01	8.03E-01
rs10806098	HTR1B	6	78,232,728	0.28	Dom	0.62 (0.4-0.98)	1.93 (1.06-3.52)	1.54 (0.77-3.06)	6.31E-01	9.48E-02	8.03E-01
rs11700361	EPB41L1	20	34,285,729	0.17	Dom	0.93 (0.58-1.51)	2.18 (1.26-3.79)	1.13 (0.51-2.51)	1.87E-01	3.86E-01	8.04E-01
rs938682	CHRNA3	15	76,683,602	0.16	Dom	1.35 (0.84-2.16)	1.85 (1.06-3.23)	1.69 (0.78-3.66)	8.55E-01	4.71E-01	8.05E-01
rs17501755	ADCYAP1	18	910,497	0.30	Dom	0.81 (0.52-1.27)	2.52 (1.33-4.77)	1.25 (0.66-2.36)	1.26E-01	1.68E-01	8.05E-01
rs17501915	ADCYAP1	18	915,250	0.30	Dom	0.81 (0.52-1.27)	2.52 (1.33-4.77)	1.25 (0.66-2.36)	1.26E-01	1.68E-01	8.05E-01
rs637137	CHRNA5	15	76,661,031	0.16	Dom	1.47 (0.92-2.36)	1.95 (1.1-3.44)	1.63 (0.76-3.47)	7.11E-01	2.65E-01	8.05E-01
rs2276469	FOSB	19	50,666,433	0.45	Dom	0.67 (0.41-1.1)	1.3 (0.58-2.92)	1.82 (1.02-3.27)	5.08E-01	2.48E-01	8.05E-01
rs667282	CHRNA5	15	76,650,527	0.16	Dom	1.47 (0.92-2.36)	1.95 (1.1-3.44)	1.63 (0.76-3.47)	7.11E-01	2.65E-01	8.05E-01
rs3743077	CHRNA3;CHRNA5	15	76,681,951	0.39	Dom	0.82 (0.5-1.34)	2.71 (1.25-5.85)	1.28 (0.7-2.32)	1.31E-01	2.02E-01	8.06E-01
rs4838721	CALCYON	10	135,010,940	0.19	Add	1.11 (0.73-1.67)	1.65 (0.95-2.87)	1.97 (1-3.89)	6.69E-01	8.07E-01	8.07E-01
rs11071530	CHRNA7	15	30,147,264	0.10	Add	0.73 (0.4-1.36)	1.42 (0.87-2.3)	5.1 (1.57-16.59)	4.66E-02	8.04E-02	8.08E-01
rs1317286	CHRNA3;CHRNA5	15	76,683,184	0.42	Add	0.91 (0.66-1.26)	1.26 (0.63-2.51)	1.87 (1.17-2.99)	2.28E-01	4.46E-01	8.09E-01
rs2036527	CHRNA5	15	76,638,670	0.42	Add	0.86 (0.62-1.19)	1.31 (0.66-2.6)	1.89 (1.17-3.03)	2.78E-01	4.12E-01	8.11E-01
rs684513	CHRNA5	15	76,645,455	0.14	Dom	1.53 (0.93-2.49)	1.93 (1.11-3.36)	1.75 (0.78-3.96)	8.49E-01	2.43E-01	8.11E-01
rs6495309	CHRNA3;CHRN4	15	76,702,300	0.15	Dom	1.48 (0.92-2.39)	1.87 (1.08-3.27)	1.66 (0.76-3.63)	8.03E-01	2.73E-01	8.12E-01

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SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs7589318	POMC	2	25,231,876	0.28	Add	1.04 (0.66-1.62)	1.99 (1.09-3.64)	1.59 (0.93-2.71)	3.95E-01	6.95E-01	8.13E-01
rs10244632	DDC	7	50,566,197	0.27	Add	0.99 (0.69-1.42)	1.22 (0.67-2.22)	2.6 (1.44-4.69)	4.40E-02	1.20E-01	8.13E-01
rs3025388	DBH	9	135,493,077	0.16	Add	0.82 (0.52-1.31)	2.45 (1.41-4.24)	0.92 (0.42-2.03)	3.82E-02	8.28E-02	8.14E-01
rs11765015	CDK5	7	150,401,765	0.26	Add	1.19 (0.76-1.86)	2.17 (1.2-3.94)	1.46 (0.84-2.56)	3.03E-01	4.75E-01	8.15E-01
rs3819041	CLIC6	21	35,003,496	0.42	Dom	1.19 (0.73-1.92)	3.07 (1.37-6.9)	1.33 (0.77-2.3)	9.30E-02	2.09E-01	8.16E-01
rs709050	EPB41L1	20	34,292,023	0.20	Dom	0.82 (0.51-1.31)	2.02 (1.15-3.54)	1.34 (0.63-2.88)	4.00E-01	4.53E-01	8.17E-01
rs11852956	CHRNA7	15	30,190,622	0.23	Add	1.45 (1-2.09)	2.23 (1.22-4.07)	1.46 (0.82-2.58)	2.60E-01	7.89E-02	8.17E-01
rs4364482	HCRTR2	6	55,148,947	0.18	Dom	0.71 (0.43-1.18)	1.32 (0.77-2.26)	3.65 (1.51-8.83)	5.42E-02	8.78E-02	8.22E-01
rs692780	CHRNA5	15	76,663,560	0.37	Dom	0.79 (0.5-1.25)	2.5 (1.24-5.07)	1.42 (0.79-2.55)	2.26E-01	2.58E-01	8.22E-01
rs6495307	CHRNA3;CHRNA5	15	76,677,376	0.42	Dom	0.84 (0.52-1.35)	2.71 (1.25-5.88)	1.41 (0.81-2.46)	1.78E-01	2.71E-01	8.22E-01
rs2000292	HTR1B	6	78,223,664	0.28	Dom	0.61 (0.39-0.96)	1.63 (0.89-2.96)	1.97 (0.98-3.95)	6.85E-01	1.02E-01	8.23E-01
rs1486009	DRD3	3	115,371,222	0.06	Add	0.77 (0.37-1.6)	2.01 (1.24-3.24)	0.58 (0.15-2.24)	8.75E-02	1.84E-01	8.25E-01
rs2040176	ADCYAP1	18	882,467	0.12	Dom	0.58 (0.32-1.06)	1.64 (0.99-2.69)	2.7 (0.88-8.3)	4.25E-01	1.70E-01	8.26E-01
rs2292537	TDO2	4	157,058,912	0.09	Dom	1.5 (0.86-2.63)	1.9 (1.15-3.15)	1.13 (0.41-3.09)	3.64E-01	3.04E-01	8.28E-01
rs2846583	ADCYAP1	18	892,965	0.28	Dom	0.68 (0.43-1.07)	1.47 (0.8-2.69)	2.2 (1.11-4.35)	3.89E-01	1.94E-01	8.29E-01
rs4947510	DDC	7	50,492,914	0.29	Add	1.29 (0.93-1.8)	1.36 (0.74-2.5)	2.09 (1.24-3.52)	2.08E-01	1.28E-01	8.30E-01
rs1609761	KLF16	19	1,798,698	0.21	Add	0.86 (0.56-1.33)	1.53 (0.87-2.66)	2.46 (1.18-5.13)	2.88E-01	5.12E-01	8.32E-01
rs3743075	CHRNA3;CHRN4	15	76,696,507	0.37	Dom	0.81 (0.51-1.28)	2.74 (1.35-5.58)	1.33 (0.74-2.38)	1.23E-01	1.75E-01	8.36E-01
rs555018	CHRNA3;CHRNA5	15	76,666,297	0.42	Dom	0.82 (0.51-1.32)	2.67 (1.25-5.7)	1.42 (0.81-2.49)	1.91E-01	2.67E-01	8.39E-01
rs129968	CREBBP	16	3,731,262	0.35	Dom	0.95 (0.6-1.5)	1.48 (0.73-3.02)	1.94 (1.07-3.52)	5.68E-01	8.39E-01	8.39E-01
rs7178270	CHRNA3;CHRN4	15	76,708,132	0.40	Dom	1.14 (0.71-1.84)	3.14 (1.43-6.89)	1.28 (0.74-2.22)	6.75E-02	1.71E-01	8.40E-01
rs11568817	HTR1B	6	78,230,101	0.44	Add	1.26 (0.91-1.75)	1.09 (0.51-2.32)	1.83 (1.16-2.89)	1.25E-01	1.02E-01	8.40E-01
rs3971872	CHRN4	15	76,729,090	0.09	Dom	1.2 (0.67-2.14)	1.48 (0.9-2.44)	3.76 (1.3-10.86)	1.19E-01	2.13E-01	8.41E-01
rs9656135	PRKAR2B	7	106,555,592	0.08	Add	0.9 (0.5-1.61)	1.85 (1.14-3.01)	1.3 (0.43-3.9)	5.58E-01	7.67E-01	8.41E-01
rs578776	CHRNA3;CHRNA5	15	76,675,455	0.21	Add	1.35 (0.9-2.01)	2 (1.11-3.62)	1.64 (0.88-3.07)	6.29E-01	3.07E-01	8.42E-01
rs10227616	PRKAR2B	7	106,462,434	0.33	Dom	1.02 (0.65-1.6)	1.09 (0.56-2.14)	2.56 (1.39-4.73)	6.65E-02	1.77E-01	8.43E-01
rs7402321	CHRNA7	15	30,207,700	0.38	Add	1.23 (0.87-1.73)	3.09 (1.47-6.5)	1.55 (0.95-2.53)	5.10E-02	8.12E-02	8.44E-01
rs2369406	KCNJ9	1	158,331,042	0.44	Dom	1.07 (0.78-1.47)	1.43 (0.65-3.17)	1.94 (1.12-3.35)	5.10E-01	6.97E-01	8.45E-01
rs4665775	POMC	2	25,260,625	0.21	Dom	0.73 (0.45-1.18)	1.77 (1.01-3.1)	1.62 (0.73-3.6)	8.54E-01	3.91E-01	8.46E-01
rs2746103	EPB41L1	20	34,167,348	0.23	Dom	0.76 (0.48-1.2)	1.85 (1.04-3.3)	1.52 (0.74-3.16)	6.80E-01	4.33E-01	8.46E-01
rs1948	CHRNA3;CHRN4	15	76,704,454	0.35	Dom	0.77 (0.49-1.22)	2.59 (1.32-5.1)	1.35 (0.73-2.48)	1.62E-01	1.74E-01	8.46E-01
rs4620755	DRD2	11	112,814,829	0.11	Dom	1.59 (0.93-2.72)	2.08 (1.23-3.51)	1.1 (0.44-2.77)	2.41E-01	1.22E-01	8.46E-01
rs2644620	NTRK1	1	155,127,792	0.11	Add	1.11 (0.67-1.84)	2.12 (1.26-3.55)	1 (0.41-2.44)	1.48E-01	3.27E-01	8.47E-01
rs3788339	GNAZ	22	21,747,677	0.13	Add	1.4 (0.86-2.29)	1.52 (0.9-2.55)	2.38 (1-5.68)	3.76E-01	1.87E-01	8.48E-01
rs2846584	ADCYAP1	18	894,054	0.28	Dom	0.72 (0.46-1.13)	1.49 (0.82-2.72)	2.17 (1.1-4.3)	4.19E-01	2.94E-01	8.48E-01
rs10423854	FOSB	19	50,647,512	0.43	Add	0.84 (0.61-1.15)	1.5 (0.75-2.99)	1.78 (1.12-2.85)	6.01E-01	5.01E-01	8.49E-01
rs647041	CHRNA3;CHRNA5	15	76,667,536	0.42	Dom	0.79 (0.49-1.26)	2.38 (1.13-5.02)	1.51 (0.86-2.66)	3.43E-01	3.54E-01	8.51E-01
rs5751583	GNAZ	22	21,764,327	0.06	Add	0.9 (0.43-1.86)	2.04 (1.26-3.3)	0.54 (0.14-2.09)	6.83E-02	1.72E-01	8.51E-01
rs6509214	FOSB	19	50,673,655	0.34	Dom	0.79 (0.5-1.25)	1.37 (0.72-2.61)	2.37 (1.24-4.52)	2.40E-01	3.43E-01	8.52E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs11088294	CLIC6	21	35,020,213	0.25	Dom	0.89 (0.57-1.4)	1.66 (0.91-3)	1.92 (0.96-3.84)	7.51E-01	8.53E-01	8.53E-01
rs11030101	BDNF	11	27,637,320	0.48	Dom	0.96 (0.57-1.6)	1.42 (0.58-3.45)	1.89 (1.12-3.19)	5.83E-01	8.56E-01	8.56E-01
rs6856354	TDO2	4	157,068,548	0.35	Add	0.69 (0.44-1.08)	1.55 (0.82-2.91)	1.88 (1.13-3.15)	6.34E-01	2.59E-01	8.57E-01
rs3735757	CHRNA2	8	27,377,514	0.14	Dom	0.79 (0.47-1.35)	1.81 (1.08-3.05)	1.89 (0.74-4.82)	9.38E-01	6.83E-01	8.57E-01
rs7778076	PRKAR2B	7	106,510,244	0.09	Add	0.81 (0.43-1.51)	1.49 (0.92-2.43)	4.34 (1.3-14.52)	1.05E-01	2.25E-01	8.59E-01
rs11644593	CREBBP	16	3,811,287	0.10	Add	1.54 (0.92-2.58)	1.66 (1-2.76)	1.92 (0.75-4.9)	7.90E-01	2.22E-01	8.59E-01
rs601079	CHRNA5	15	76,656,634	0.42	Dom	0.87 (0.54-1.41)	2.71 (1.25-5.89)	1.42 (0.82-2.47)	1.83E-01	3.20E-01	8.59E-01
rs1401635	BDNF	11	27,650,567	0.27	Add	1.34 (0.95-1.89)	1.71 (0.93-3.17)	1.76 (1.03-3)	9.42E-01	2.44E-01	8.61E-01
rs4867796	DRD1	5	174,798,127	0.17	Add	1.28 (0.85-1.93)	2.21 (1.27-3.84)	1.17 (0.59-2.32)	1.34E-01	2.00E-01	8.61E-01
rs610231	OPRM1	6	154,420,170	0.12	Add	0.78 (0.47-1.29)	2.11 (1.28-3.5)	0.93 (0.37-2.35)	1.18E-01	1.28E-01	8.63E-01
rs17115439	ANKK1	11	112,769,482	0.35	Dom	0.64 (0.41-1)	2.09 (1.08-4.06)	1.5 (0.81-2.79)	4.76E-01	9.47E-02	8.65E-01
rs1878399	CHRNA3;CHRNA4	15	76,699,058	0.42	Dom	0.87 (0.54-1.4)	2.67 (1.24-5.76)	1.46 (0.83-2.56)	2.14E-01	3.53E-01	8.66E-01
rs1514248	CHRNA7	15	30,164,975	0.13	Dom	0.73 (0.38-1.41)	1.4 (0.82-2.38)	5.4 (1.57-18.53)	4.92E-02	9.90E-02	8.67E-01
rs4938015	ANKK1	11	112,769,854	0.35	Dom	0.64 (0.41-1)	2.09 (1.08-4.05)	1.5 (0.81-2.78)	4.70E-01	9.58E-02	8.67E-01
rs1124492	ANKK1	11	112,787,485	0.11	Dom	1.62 (0.95-2.76)	2.02 (1.19-3.42)	1.18 (0.47-2.98)	3.25E-01	1.34E-01	8.68E-01
rs4938010	ANKK1	11	112,750,776	0.15	Add	1.58 (1.03-2.42)	1.77 (1.03-3.03)	2 (0.98-4.09)	7.78E-01	1.10E-01	8.72E-01
rs7228988	ADCYAP1	18	907,957	0.31	Dom	0.83 (0.53-1.29)	2.36 (1.24-4.49)	1.29 (0.68-2.43)	1.88E-01	2.60E-01	8.72E-01
rs4656876	KCNJ9	1	158,317,016	0.48	Add	0.91 (0.67-1.25)	2.06 (0.97-4.34)	1.74 (1.11-2.73)	6.06E-01	7.08E-01	8.73E-01
rs4887069	CHRNA3;CHRNA4	15	76,696,125	0.17	Add	1.25 (0.82-1.92)	2.04 (1.17-3.56)	1.38 (0.69-2.78)	3.67E-01	3.95E-01	8.75E-01
rs514743	CHRNA3;CHRNA5	15	76,671,282	0.37	Dom	0.8 (0.5-1.26)	2.38 (1.18-4.81)	1.46 (0.81-2.63)	2.99E-01	3.25E-01	8.76E-01
rs2110113	CALM1	14	89,922,506	0.12	Add	1.13 (0.69-1.83)	1.59 (0.96-2.64)	2.49 (1.03-5.99)	3.76E-01	5.50E-01	8.77E-01
rs3761264	GNAS	20	56,846,766	0.43	Dom	1.46 (0.87-2.44)	3.56 (1.43-8.85)	1.36 (0.8-2.3)	7.23E-02	9.20E-02	8.79E-01
rs1013402	BDNF	11	27,668,957	0.27	Add	1.33 (0.94-1.88)	1.7 (0.92-3.14)	1.78 (1.04-3.03)	9.04E-01	2.60E-01	8.80E-01
rs16891620	CHRNA6	8	42,744,820	0.11	Add	0.87 (0.52-1.48)	1.75 (1.06-2.9)	1.74 (0.68-4.48)	9.88E-01	8.80E-01	8.80E-01
rs11746641	DRD1	5	174,798,697	0.16	Add	1.15 (0.75-1.78)	2.25 (1.3-3.88)	1.09 (0.53-2.25)	1.02E-01	2.24E-01	8.81E-01
rs16840214	NR4A2	2	156,875,018	0.21	Dom	0.7 (0.44-1.12)	1.72 (0.99-3)	1.85 (0.85-4.03)	8.85E-01	3.30E-01	8.81E-01
rs2298122	CALCYON	10	134,991,562	0.19	Add	0.93 (0.6-1.44)	1.53 (0.87-2.69)	2.43 (1.17-5.07)	3.09E-01	5.76E-01	8.85E-01
rs2737703	KCNJ9	1	158,322,556	0.36	Dom	0.95 (0.6-1.5)	2.58 (1.24-5.36)	1.33 (0.74-2.39)	1.66E-01	3.44E-01	8.87E-01
rs10107450	CHRNA6	8	42,749,052	0.22	Dom	1.34 (0.85-2.1)	1.68 (0.93-3.06)	1.88 (0.94-3.74)	8.15E-01	4.17E-01	8.87E-01
rs2834603	CLIC6	21	35,014,793	0.07	Dom	0.77 (0.37-1.61)	1.58 (0.98-2.54)	3.72 (0.9-15.32)	2.60E-01	3.91E-01	8.88E-01
rs1057137	CHRNA2	8	27,373,362	0.40	Add	0.87 (0.63-1.21)	2.66 (1.34-5.29)	1.62 (1.01-2.6)	1.35E-01	1.91E-01	8.88E-01
rs1879184	CHRNA2	8	27,367,620	0.14	Dom	0.92 (0.55-1.55)	1.89 (1.13-3.19)	1.42 (0.58-3.46)	5.83E-01	8.03E-01	8.88E-01
rs1879182	CHRNA2	8	27,371,793	0.14	Dom	0.92 (0.55-1.55)	1.89 (1.13-3.19)	1.42 (0.58-3.46)	5.83E-01	8.03E-01	8.88E-01
rs3780708	FREQ (NCS1)	9	131,975,772	0.36	Add	1.46 (1.05-2.05)	2.07 (1.02-4.18)	1.67 (1.03-2.73)	5.34E-01	7.62E-02	8.88E-01
rs11575383	DDC	7	50,535,184	0.07	Add	0.88 (0.46-1.7)	1.7 (1.05-2.76)	2.15 (0.62-7.47)	7.31E-01	8.89E-01	8.89E-01
rs891399	CHRNA2	8	27,381,340	0.13	Add	0.81 (0.5-1.31)	1.71 (1.03-2.83)	1.93 (0.81-4.6)	7.99E-01	6.75E-01	8.90E-01
rs893539	KLF16	19	1,794,493	0.25	Add	1.19 (0.84-1.69)	1.5 (0.84-2.69)	1.91 (1.08-3.36)	5.07E-01	4.43E-01	8.93E-01
rs13428968	NR4A2	2	156,900,859	0.17	Add	1.32 (0.88-1.98)	1.86 (1.08-3.2)	1.55 (0.78-3.09)	6.65E-01	3.88E-01	8.93E-01
rs2565062	CHRNA2	8	27,381,857	0.13	Add	0.81 (0.5-1.31)	1.72 (1.03-2.85)	1.94 (0.81-4.61)	8.07E-01	6.80E-01	8.94E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs12244716	CALCYON	10	134,978,372	0.14	Add	0.85 (0.52-1.38)	1.63 (0.97-2.72)	2.2 (0.94-5.2)	5.42E-01	6.71E-01	8.95E-01
rs7633291	DRD3	3	115,369,758	0.20	Dom	0.7 (0.43-1.14)	1.88 (1.09-3.26)	1.43 (0.64-3.19)	5.80E-01	2.82E-01	8.96E-01
rs356204	SNCA	4	90,882,565	0.43	Dom	1.25 (0.76-2.07)	1 (0.43-2.31)	2.26 (1.29-3.95)	1.11E-01	1.56E-01	8.96E-01
rs886528	CREBBP	16	3,751,557	0.47	Dom	1.05 (0.76-1.47)	1.39 (0.57-3.4)	1.84 (1.09-3.11)	3.06E-01	5.34E-01	8.97E-01
rs907094	PPP1R1B	17	35,043,897	0.25	Add	1.07 (0.75-1.53)	1.7 (0.95-3.03)	1.82 (1.03-3.2)	8.46E-01	8.98E-01	8.98E-01
rs4963126	DRD4	11	646,845	0.48	Dom	0.85 (0.62-1.17)	3.22 (1.32-7.85)	1.42 (0.84-2.39)	2.04E-01	2.17E-01	8.99E-01
rs6296	HTR1B	6	78,228,979	0.28	Dom	0.65 (0.41-1.01)	1.88 (1.03-3.44)	1.6 (0.81-3.17)	7.31E-01	1.39E-01	8.99E-01
rs2834600	CLIC6	21	35,007,972	0.15	Dom	1.11 (0.67-1.84)	1.52 (0.89-2.58)	2.49 (1.02-6.08)	3.51E-01	5.29E-01	8.99E-01
rs10485171	CNR1	6	88,900,109	0.42	Add	1.03 (0.74-1.42)	2 (0.98-4.1)	1.73 (1.09-2.74)	6.57E-01	9.00E-01	9.00E-01
rs1528454	NR4A2	2	156,877,951	0.30	Dom	0.77 (0.49-1.2)	1.96 (1.05-3.65)	1.57 (0.82-3)	6.30E-01	4.14E-01	9.02E-01
rs4590907	ANKK1	11	112,768,580	0.14	Add	1.52 (0.98-2.37)	2.04 (1.19-3.5)	1.48 (0.7-3.12)	4.73E-01	1.29E-01	9.02E-01
rs6092704	GNAS	20	56,901,873	0.10	Add	0.71 (0.41-1.24)	2.06 (1.25-3.37)	0.94 (0.34-2.61)	1.70E-01	1.29E-01	9.04E-01
rs2834605	CLIC6	21	35,019,400	0.14	Add	1.03 (0.61-1.72)	1.47 (0.87-2.49)	2.8 (1.12-7)	2.34E-01	4.44E-01	9.05E-01
rs1587176	DRD1	5	174,783,796	0.16	Add	0.87 (0.56-1.37)	1.78 (1.05-3.01)	1.7 (0.78-3.7)	9.21E-01	8.20E-01	9.05E-01
rs1108581	DBH	9	135,495,062	0.18	Dom	0.77 (0.47-1.25)	2.21 (1.28-3.82)	1.06 (0.48-2.36)	1.37E-01	1.61E-01	9.06E-01
rs3810417	KLF16	19	1,815,601	0.17	Add	0.88 (0.55-1.41)	1.46 (0.86-2.48)	2.67 (1.17-6.09)	2.14E-01	4.41E-01	9.07E-01
rs11030121	BDNF	11	27,692,783	0.27	Add	1.3 (0.92-1.84)	1.79 (0.97-3.3)	1.71 (1-2.93)	9.04E-01	3.38E-01	9.08E-01
rs835636	NCK1	3	138,157,190	0.48	Dom	1.11 (0.66-1.86)	1.64 (0.67-4.02)	1.78 (1.06-3)	8.76E-01	9.08E-01	9.08E-01
rs1107470	CLIC6	21	35,021,758	0.21	Dom	1.03 (0.65-1.65)	1.38 (0.78-2.42)	2.72 (1.27-5.82)	1.59E-01	3.45E-01	9.09E-01
rs1519480	BDNF	11	27,632,288	0.29	Dom	1.32 (0.94-1.86)	1.66 (0.86-3.2)	1.86 (1-3.46)	8.99E-01	2.68E-01	9.09E-01
rs16952813	ADCYAP1	18	914,630	0.08	Dom	0.59 (0.29-1.19)	1.75 (1.08-2.82)	1.97 (0.52-7.46)	8.68E-01	3.05E-01	9.09E-01
rs11660066	ADCYAP1	18	918,035	0.08	Dom	0.59 (0.29-1.19)	1.75 (1.08-2.82)	1.97 (0.52-7.46)	8.68E-01	3.05E-01	9.09E-01
rs11030119	BDNF	11	27,684,678	0.26	Add	1.3 (0.91-1.86)	1.77 (0.97-3.24)	1.73 (1-3)	9.56E-01	3.43E-01	9.09E-01
rs4947584	DDC	7	50,540,203	0.35	Add	1.01 (0.72-1.41)	1.16 (0.61-2.22)	2.19 (1.32-3.62)	7.02E-02	1.79E-01	9.11E-01
rs2100280	DDC	7	50,548,330	0.25	Add	0.98 (0.67-1.44)	1.24 (0.69-2.21)	2.53 (1.37-4.67)	6.89E-02	1.83E-01	9.11E-01
rs10840495	TH	11	2,152,413	0.38	Dom	1.34 (0.81-2.21)	1.09 (0.49-2.39)	2.13 (1.15-3.95)	1.86E-01	1.92E-01	9.11E-01
rs174675	COMT	22	18,314,051	0.28	Dom	0.89 (0.57-1.39)	1.91 (1.04-3.52)	1.62 (0.83-3.16)	7.18E-01	8.02E-01	9.12E-01
rs12944712	CRHR1	17	41,226,918	0.41	Dom	0.81 (0.51-1.28)	1.08 (0.52-2.24)	2.32 (1.3-4.13)	1.07E-01	2.10E-01	9.12E-01
rs1451368	DDC	7	50,555,261	0.26	Add	1.03 (0.72-1.49)	1.25 (0.7-2.24)	2.43 (1.36-4.35)	7.62E-02	1.85E-01	9.13E-01
rs6347	SLC6A3	5	1,464,412	0.27	Dom	1.58 (1-2.52)	2.09 (1.05-4.15)	1.64 (0.87-3.1)	6.16E-01	1.43E-01	9.14E-01
rs2472553	CHRNA2	8	27,384,428	0.13	Dom	0.84 (0.49-1.42)	1.77 (1.06-2.95)	1.78 (0.69-4.54)	9.93E-01	7.94E-01	9.14E-01
rs6834765	SNCA	4	90,903,013	0.08	Dom	1.28 (0.67-2.45)	1.52 (0.93-2.48)	4.53 (1.35-15.19)	1.02E-01	1.97E-01	9.15E-01
rs12453682	PPP1R1B	17	35,023,531	0.32	Dom	0.75 (0.48-1.18)	1.83 (0.96-3.52)	1.73 (0.93-3.24)	9.01E-01	4.47E-01	9.17E-01
rs6271	DBH	9	135,512,095	0.08	Dom	0.57 (0.25-1.29)	1.59 (0.99-2.58)	5.95 (1.18-30.03)	1.26E-01	1.60E-01	9.17E-01
rs12273363	BDNF	11	27,701,435	0.16	Dom	1.41 (0.87-2.28)	1.6 (0.92-2.79)	2.24 (1.01-4.96)	4.95E-01	2.58E-01	9.17E-01
rs356168	SNCA	4	90,893,454	0.46	Dom	1.23 (0.75-2.02)	1 (0.43-2.32)	2.23 (1.31-3.81)	1.15E-01	1.72E-01	9.18E-01
rs2834604	CLIC6	21	35,014,932	0.34	Add	0.85 (0.58-1.23)	1.88 (0.97-3.67)	1.7 (1.01-2.86)	7.86E-01	6.24E-01	9.18E-01
rs732215	DDC	7	50,511,557	0.45	Dom	0.86 (0.52-1.41)	3.16 (1.35-7.44)	1.38 (0.81-2.36)	1.08E-01	1.83E-01	9.20E-01
rs11246226	DRD4	11	631,191	0.48	Dom	0.99 (0.71-1.39)	1.71 (0.67-4.39)	2.01 (1.17-3.47)	4.84E-01	7.82E-01	9.20E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs77905	DBH	9	135,507,918	0.48	Dom	0.71 (0.43-1.17)	2.66 (1.12-6.33)	1.4 (0.82-2.41)	2.23E-01	1.23E-01	9.23E-01
rs2049045	BDNF	11	27,650,817	0.18	Add	0.75 (0.48-1.16)	1.57 (0.92-2.68)	2.1 (1-4.42)	5.17E-01	3.44E-01	9.24E-01
rs10776672	CALCYON	10	135,007,945	0.11	Add	1.24 (0.77-2.02)	1.92 (1.15-3.2)	1.45 (0.61-3.43)	5.69E-01	5.80E-01	9.24E-01
rs12528626	EPB41L2	6	131,291,090	0.09	Add	1.14 (0.66-1.99)	2.11 (1.28-3.49)	0.82 (0.3-2.25)	9.40E-02	2.02E-01	9.24E-01
rs2519765	DBH	9	135,484,246	0.32	Dom	0.63 (0.4-1)	1.57 (0.83-2.97)	2 (1.03-3.89)	6.05E-01	1.40E-01	9.25E-01
rs4543330	HTR1B	6	78,247,352	0.14	Add	1.41 (0.91-2.18)	1.58 (0.93-2.69)	2.22 (1.03-4.78)	4.57E-01	1.75E-01	9.26E-01
rs2049048	BDNF	11	27,707,162	0.14	Add	0.7 (0.43-1.13)	1.86 (1.12-3.08)	1.48 (0.62-3.53)	6.50E-01	2.69E-01	9.27E-01
rs11214596	ANKK1	11	112,769,721	0.49	Dom	0.9 (0.53-1.51)	3.59 (1.42-9.04)	1.34 (0.79-2.26)	6.90E-02	1.25E-01	9.30E-01
rs12360992	ANKK1	11	112,768,110	0.49	Dom	0.9 (0.53-1.51)	3.59 (1.42-9.04)	1.34 (0.79-2.26)	6.90E-02	1.25E-01	9.30E-01
rs12111375	HCRTR2	6	55,176,953	0.48	Dom	0.55 (0.31-0.96)	1.57 (0.58-4.26)	1.54 (0.89-2.65)	9.70E-01	1.16E-01	9.30E-01
rs4845652	CHRNA2	1	152,804,829	0.09	Add	1.08 (0.64-1.82)	1.82 (1.11-2.98)	1.55 (0.59-4.08)	7.68E-01	9.30E-01	9.30E-01
rs11742274	DRD1	5	174,792,103	0.19	Add	0.97 (0.64-1.46)	2.04 (1.18-3.54)	1.4 (0.71-2.76)	3.63E-01	6.45E-01	9.30E-01
rs3779078	DDC	7	50,578,412	0.20	Dom	1.22 (0.77-1.93)	2.34 (1.31-4.18)	1.09 (0.53-2.25)	1.09E-01	2.22E-01	9.30E-01
rs2251838	PRKAR2B	7	106,507,403	0.34	Add	0.95 (0.68-1.32)	2.54 (1.33-4.86)	1.49 (0.91-2.43)	1.11E-01	2.62E-01	9.32E-01
rs4947577	DDC	7	50,516,103	0.41	Add	1.25 (0.91-1.71)	1.3 (0.64-2.64)	1.82 (1.15-2.9)	2.99E-01	2.00E-01	9.32E-01
rs265972	DRD1	5	174,793,122	0.46	Add	0.83 (0.61-1.14)	2.03 (0.99-4.17)	1.74 (1.11-2.75)	6.32E-01	4.41E-01	9.32E-01
rs12473543	POMC	2	25,240,685	0.22	Dom	0.89 (0.56-1.4)	2.13 (1.19-3.79)	1.28 (0.62-2.63)	2.82E-01	4.62E-01	9.33E-01
rs2768762	NTRK1	1	155,127,086	0.20	Dom	1.13 (0.71-1.8)	2.04 (1.15-3.63)	1.4 (0.67-2.93)	4.33E-01	6.57E-01	9.33E-01
rs2191917	PRKAR2B	7	106,560,944	0.09	Add	0.9 (0.5-1.62)	1.51 (0.93-2.46)	3.73 (1.21-11.49)	1.45E-01	3.19E-01	9.34E-01
rs755203	CHRNA4	20	61,464,708	0.42	Dom	1.08 (0.65-1.8)	3.27 (1.36-7.85)	1.41 (0.81-2.46)	1.13E-01	2.73E-01	9.34E-01
rs2283802	GNAZ	22	21,784,722	0.26	Add	1.33 (0.94-1.88)	1.63 (0.89-2.97)	1.72 (0.99-2.98)	8.78E-01	2.61E-01	9.34E-01
rs2753268	KCNJ9	1	158,324,876	0.31	Dom	0.95 (0.61-1.49)	2.39 (1.22-4.68)	1.35 (0.73-2.48)	2.18E-01	4.35E-01	9.34E-01
rs6545976	POMC	2	25,248,154	0.05	Add	1.31 (0.66-2.63)	1.79 (1.1-2.89)	1.64 (0.45-6.03)	9.04E-01	7.44E-01	9.34E-01
rs6856558	TDO2	4	157,059,403	0.39	Add	1.11 (0.81-1.51)	1.78 (0.9-3.52)	1.77 (1.11-2.81)	9.76E-01	8.16E-01	9.35E-01
rs12401728	KCNJ9	1	158,328,583	0.21	Add	0.85 (0.56-1.29)	1.58 (0.91-2.74)	2.09 (1.05-4.17)	5.17E-01	6.62E-01	9.35E-01
rs2536504	PRKAR2B	7	106,501,141	0.34	Add	0.89 (0.64-1.24)	2.44 (1.29-4.63)	1.5 (0.91-2.48)	1.54E-01	2.68E-01	9.35E-01
rs10276473	DDC	7	50,580,491	0.21	Dom	1.16 (0.73-1.83)	2.34 (1.3-4.19)	1.13 (0.56-2.31)	1.24E-01	2.78E-01	9.35E-01
rs1296720	CREBBP	16	3,813,643	0.18	Add	1.37 (0.91-2.07)	1.74 (0.99-3.05)	1.83 (0.93-3.59)	9.01E-01	3.15E-01	9.36E-01
rs2536503	PRKAR2B	7	106,501,051	0.12	Add	0.72 (0.44-1.18)	1.89 (1.15-3.13)	1.38 (0.55-3.42)	5.36E-01	3.00E-01	9.36E-01
rs12953076	CRHR1	17	41,209,781	0.17	Add	1.08 (0.71-1.64)	1.74 (1.01-2.98)	1.79 (0.89-3.63)	9.42E-01	9.36E-01	9.36E-01
rs5993891	COMT	22	18,339,746	0.06	Add	1.3 (0.65-2.59)	1.98 (1.21-3.23)	0.67 (0.19-2.39)	1.20E-01	1.97E-01	9.37E-01
rs1364043	HTR1A	5	63,286,607	0.24	Dom	0.95 (0.6-1.5)	1.94 (1.08-3.48)	1.52 (0.75-3.07)	5.99E-01	8.37E-01	9.37E-01
rs257384	PRKAR2B	7	106,592,630	0.45	Dom	1.09 (0.67-1.77)	1.28 (0.56-2.91)	2.02 (1.18-3.45)	3.65E-01	6.02E-01	9.37E-01
rs3788337	GNAZ	22	21,742,017	0.35	Dom	1.01 (0.64-1.6)	1.12 (0.58-2.19)	2.46 (1.31-4.6)	9.42E-02	2.39E-01	9.37E-01
rs806379	CNR1	6	88,917,986	0.50	Add	1.04 (0.76-1.42)	0.99 (0.46-2.13)	1.75 (1.11-2.76)	7.62E-02	1.88E-01	9.38E-01
rs3952	PRKCABP	22	36,786,544	0.31	Dom	1.35 (0.86-2.12)	2.34 (1.18-4.63)	1.4 (0.76-2.56)	2.70E-01	2.70E-01	9.38E-01
rs1561289	POMC	2	25,222,544	0.25	Add	0.8 (0.54-1.18)	1.78 (1-3.18)	1.76 (0.95-3.26)	9.69E-01	5.14E-01	9.39E-01
rs9353524	CNR1	6	88,894,335	0.21	Dom	0.76 (0.47-1.22)	1.38 (0.79-2.39)	2.8 (1.26-6.23)	1.52E-01	2.25E-01	9.39E-01
rs7124442	BDNF	11	27,633,617	0.27	Add	1.3 (0.91-1.86)	1.72 (0.92-3.22)	1.79 (1.03-3.09)	9.20E-01	3.16E-01	9.41E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs3777464	EPB41L2	6	131,308,450	0.10	Dom	1.28 (0.74-2.21)	2.1 (1.26-3.5)	0.93 (0.35-2.45)	1.46E-01	2.51E-01	9.41E-01
rs2494211	KCNJ9	1	158,325,236	0.36	Dom	0.96 (0.6-1.51)	2.49 (1.2-5.16)	1.37 (0.76-2.45)	2.10E-01	4.20E-01	9.42E-01
rs2797855	DBH	9	135,500,715	0.43	Dom	0.7 (0.44-1.12)	2.5 (1.15-5.44)	1.46 (0.84-2.55)	2.75E-01	1.47E-01	9.42E-01
rs6280	DRD3	3	115,373,505	0.34	Dom	0.89 (0.56-1.41)	2.56 (1.26-5.19)	1.41 (0.77-2.57)	2.08E-01	3.54E-01	9.42E-01
rs2076372	PRKCABP	22	36,804,911	0.26	Dom	0.79 (0.5-1.25)	1.36 (0.76-2.44)	2.57 (1.26-5.24)	1.75E-01	2.76E-01	9.42E-01
rs11030107	BDNF	11	27,651,411	0.23	Dom	1.18 (0.74-1.88)	1.48 (0.81-2.69)	2.58 (1.25-5.32)	2.44E-01	3.35E-01	9.43E-01
rs2250121	PRKAR2B	7	106,540,484	0.09	Add	0.88 (0.49-1.6)	1.52 (0.93-2.47)	3.65 (1.19-11.2)	1.56E-01	3.39E-01	9.43E-01
rs8046065	CREBBP	16	3,778,299	0.11	Dom	0.78 (0.44-1.38)	1.51 (0.91-2.5)	3.25 (1.14-9.31)	1.97E-01	3.45E-01	9.43E-01
rs10401329	KLF16	19	1,822,699	0.13	Dom	1.02 (0.59-1.78)	1.55 (0.92-2.64)	3.03 (1.12-8.15)	2.45E-01	4.69E-01	9.43E-01
rs878887	CRHR1	17	41,268,363	0.20	Add	1.32 (0.89-1.95)	1.57 (0.89-2.76)	2.17 (1.15-4.1)	4.17E-01	2.85E-01	9.44E-01
rs1495099	PPP1R1B	17	35,037,990	0.30	Dom	0.82 (0.52-1.29)	1.81 (0.96-3.42)	1.72 (0.9-3.29)	9.11E-01	6.84E-01	9.44E-01
rs2275723	CALCYON	10	134,989,625	0.11	Add	0.83 (0.48-1.44)	1.65 (1-2.73)	2.39 (0.87-6.52)	5.16E-01	6.73E-01	9.45E-01
rs6955387	PRKAR2B	7	106,535,275	0.39	Add	0.94 (0.68-1.31)	2.61 (1.32-5.16)	1.58 (0.98-2.53)	1.34E-01	2.92E-01	9.45E-01
rs6121179	EPB41L1	20	34,256,911	0.19	Dom	0.85 (0.53-1.36)	1.91 (1.09-3.33)	1.46 (0.68-3.16)	5.86E-01	6.51E-01	9.46E-01
rs806374	CNR1	6	88,914,039	0.35	Add	0.85 (0.6-1.19)	2.42 (1.26-4.62)	1.52 (0.92-2.52)	1.89E-01	2.22E-01	9.46E-01
rs6941712	EPB41L2	6	131,323,903	0.12	Dom	1.33 (0.8-2.22)	2.13 (1.26-3.62)	1.02 (0.42-2.45)	1.57E-01	2.25E-01	9.47E-01
rs1150143	NR4A2	2	156,885,862	0.34	Dom	0.93 (0.59-1.46)	1.7 (0.86-3.35)	1.8 (0.99-3.29)	8.98E-01	9.47E-01	9.47E-01
rs11214589	ANKK1	11	112,750,258	0.46	Dom	0.66 (0.39-1.11)	2.72 (1.11-6.64)	1.63 (0.93-2.86)	3.45E-01	1.39E-01	9.47E-01
rs2168631	DRD1	5	174,808,608	0.17	Add	1.21 (0.8-1.83)	2.18 (1.25-3.79)	1.21 (0.61-2.42)	1.71E-01	2.96E-01	9.47E-01
rs2236081	EPB41L2	6	131,196,716	0.28	Dom	1.47 (0.93-2.31)	2.16 (1.11-4.21)	1.49 (0.8-2.75)	4.21E-01	2.06E-01	9.48E-01
rs17153861	PRKAR2B	7	106,556,875	0.09	Add	0.91 (0.5-1.65)	1.52 (0.94-2.48)	3.63 (1.18-11.18)	1.61E-01	3.51E-01	9.49E-01
rs735421	CHRNA2	8	27,375,209	0.30	Dom	1.42 (0.9-2.25)	1.78 (0.9-3.51)	1.81 (0.98-3.34)	9.68E-01	3.09E-01	9.49E-01
rs130021	CREBBP	16	3,772,472	0.35	Add	1.2 (0.85-1.68)	2.46 (1.23-4.92)	1.57 (0.97-2.54)	2.03E-01	3.02E-01	9.49E-01
rs129963	CREBBP	16	3,736,148	0.44	Dom	1.46 (0.88-2.41)	1.68 (0.71-3.98)	1.78 (1.05-3.02)	9.12E-01	3.14E-01	9.49E-01
rs6336	NTRK1	1	155,115,542	0.07	Dom	1.16 (0.6-2.27)	1.61 (0.99-2.6)	3.23 (0.92-11.36)	3.08E-01	5.01E-01	9.49E-01
rs10770140	TH	11	2,150,173	0.40	Dom	1.35 (0.82-2.21)	1.26 (0.56-2.82)	2.17 (1.23-3.84)	2.82E-01	2.39E-01	9.50E-01
rs4938019	DRD2	11	112,846,601	0.15	Add	1.02 (0.65-1.63)	1.39 (0.82-2.34)	3.21 (1.41-7.29)	8.21E-02	1.85E-01	9.50E-01
rs11265320	KCNJ9	1	158,336,536	0.48	Dom	0.88 (0.54-1.45)	2.3 (0.97-5.46)	1.55 (0.91-2.63)	4.45E-01	6.22E-01	9.51E-01
rs3787138	CHRNA4	20	61,449,668	0.13	Dom	1.48 (0.86-2.53)	1.9 (1.08-3.32)	1.88 (0.76-4.68)	9.88E-01	3.65E-01	9.51E-01
rs6060845	EPB41L1	20	34,233,225	0.25	Dom	0.87 (0.55-1.36)	1.92 (1.06-3.49)	1.58 (0.79-3.15)	6.78E-01	7.37E-01	9.52E-01
rs3789033	CREBBP	16	3,779,536	0.24	Add	0.92 (0.63-1.34)	2.14 (1.2-3.8)	1.39 (0.76-2.54)	2.63E-01	4.76E-01	9.52E-01
rs11667211	KLF16	19	1,790,483	0.14	Dom	0.89 (0.53-1.5)	1.81 (1.07-3.06)	1.54 (0.63-3.79)	7.65E-01	8.76E-01	9.52E-01
rs4579483	DDC	7	50,513,594	0.41	Add	1.24 (0.9-1.69)	1.35 (0.67-2.71)	1.85 (1.17-2.94)	3.26E-01	2.25E-01	9.52E-01
rs7638876	DRD3	3	115,376,990	0.35	Dom	0.85 (0.54-1.35)	2.46 (1.23-4.93)	1.33 (0.73-2.42)	1.88E-01	2.88E-01	9.52E-01
rs2118404	POMC	2	25,230,833	0.24	Add	0.81 (0.55-1.2)	1.81 (1.02-3.23)	1.73 (0.93-3.2)	8.99E-01	5.54E-01	9.53E-01
rs9392	CREBBP	16	3,715,170	0.22	Add	1.2 (0.81-1.77)	1.7 (0.96-3.02)	1.8 (0.97-3.33)	8.90E-01	6.48E-01	9.53E-01
rs10891545	ANKK1	11	112,763,275	0.15	Dom	1.45 (0.88-2.38)	2.11 (1.22-3.65)	1.28 (0.56-2.91)	3.22E-01	2.17E-01	9.54E-01
rs2240713	COMT	22	18,341,101	0.05	Add	1.3 (0.65-2.62)	2.09 (1.28-3.43)	0.71 (0.19-2.58)	1.24E-01	2.19E-01	9.54E-01
rs7103873	BDNF	11	27,656,893	0.48	Dom	1.15 (0.83-1.59)	1.34 (0.55-3.25)	1.93 (1.14-3.26)	8.48E-01	6.74E-01	9.54E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2134655	DRD3	3	115,340,891	0.27	Dom	1.25 (0.8-1.95)	1.44 (0.77-2.68)	2.13 (1.1-4.12)	3.96E-01	3.93E-01	9.54E-01
rs2012859	PRKCABP	22	36,803,652	0.30	Dom	0.78 (0.5-1.22)	1.35 (0.73-2.51)	2.3 (1.18-4.48)	2.54E-01	3.21E-01	9.55E-01
rs11564703	TH	11	2,163,785	0.41	Add	1.31 (0.95-1.8)	1.9 (0.92-3.94)	1.76 (1.11-2.77)	8.07E-01	2.49E-01	9.55E-01
rs2273504	CHRNA4	20	61,458,505	0.15	Add	1.04 (0.65-1.66)	2.23 (1.29-3.84)	1.13 (0.5-2.54)	1.57E-01	3.68E-01	9.55E-01
rs2247688	EPB41L1	20	34,238,965	0.25	Dom	0.92 (0.59-1.45)	1.89 (1.04-3.44)	1.6 (0.8-3.17)	7.16E-01	8.68E-01	9.56E-01
rs1106359	CHRNA2	8	27,365,256	0.42	Add	0.91 (0.67-1.25)	2.24 (1.12-4.46)	1.67 (1.05-2.66)	3.65E-01	5.23E-01	9.56E-01
rs737662	PRKCABP	22	36,782,311	0.31	Dom	1.34 (0.85-2.11)	2.28 (1.15-4.51)	1.42 (0.77-2.62)	3.12E-01	3.03E-01	9.57E-01
rs7017417	CHRNA2	8	27,401,222	0.09	Dom	0.82 (0.45-1.5)	2.02 (1.23-3.32)	0.88 (0.29-2.65)	1.78E-01	3.02E-01	9.57E-01
rs1385884	DRD3	3	115,324,315	0.43	Dom	0.91 (0.66-1.26)	1.56 (0.7-3.47)	1.84 (1.07-3.17)	8.81E-01	8.47E-01	9.57E-01
rs2281487	EPB41L2	6	131,192,810	0.40	Add	0.75 (0.54-1.04)	1.66 (0.86-3.2)	1.8 (1.11-2.93)	8.09E-01	2.13E-01	9.57E-01
rs1874228	PPP1R1B	17	35,028,800	0.27	Dom	0.85 (0.54-1.34)	2.07 (1.12-3.82)	1.51 (0.77-2.97)	5.04E-01	5.90E-01	9.57E-01
rs7003694	CHRNA2	8	27,403,111	0.09	Add	0.65 (0.36-1.19)	1.83 (1.13-2.96)	1.52 (0.48-4.81)	7.70E-01	3.06E-01	9.58E-01
rs12527605	EPB41L2	6	131,326,069	0.09	Add	1.17 (0.67-2.03)	2.07 (1.26-3.41)	0.89 (0.32-2.42)	1.31E-01	2.51E-01	9.58E-01
rs324026	DRD3	3	115,373,732	0.34	Dom	0.84 (0.53-1.32)	2.3 (1.16-4.55)	1.42 (0.78-2.59)	2.98E-01	3.88E-01	9.58E-01
rs11214611	DRD2	11	112,835,429	0.15	Add	1.04 (0.66-1.65)	1.39 (0.83-2.34)	3.14 (1.38-7.14)	9.12E-02	1.96E-01	9.58E-01
rs835616	DRD1	5	174,796,296	0.36	Dom	0.98 (0.62-1.54)	1.25 (0.63-2.5)	2.26 (1.25-4.1)	2.04E-01	4.46E-01	9.59E-01
rs12055940	PRKAR2B	7	106,538,782	0.09	Add	0.9 (0.5-1.63)	1.53 (0.94-2.49)	3.54 (1.15-10.9)	1.74E-01	3.73E-01	9.59E-01
rs2191416	CREBBP	16	3,710,730	0.24	Add	1.19 (0.82-1.72)	1.51 (0.84-2.71)	2.03 (1.14-3.64)	4.29E-01	4.62E-01	9.59E-01
rs12639080	DRD3	3	115,386,481	0.34	Dom	0.75 (0.48-1.18)	2.01 (1.01-3.98)	1.51 (0.82-2.76)	5.40E-01	3.40E-01	9.59E-01
rs9314348	CHRNA2	8	27,401,343	0.10	Dom	0.8 (0.44-1.46)	2 (1.22-3.29)	0.93 (0.31-2.78)	2.10E-01	3.20E-01	9.60E-01
rs7178176	CHRNA7	15	30,231,105	0.24	Add	1.02 (0.7-1.5)	1.28 (0.72-2.26)	2.5 (1.33-4.7)	9.42E-02	2.05E-01	9.60E-01
rs5326	DRD1	5	174,802,802	0.13	Dom	0.79 (0.46-1.36)	1.51 (0.91-2.5)	3.04 (1.13-8.19)	2.16E-01	3.62E-01	9.62E-01
rs6334	NTRK1	1	155,112,857	0.24	Add	1.22 (0.78-1.93)	1.99 (1.11-3.58)	1.59 (0.89-2.85)	5.42E-01	5.92E-01	9.62E-01
rs891394	CHRNA2	8	27,375,686	0.26	Add	1.17 (0.81-1.68)	1.46 (0.81-2.62)	2.12 (1.2-3.76)	3.14E-01	3.63E-01	9.64E-01
rs7803247	DDC	7	50,508,237	0.42	Add	1.16 (0.85-1.59)	1.23 (0.61-2.48)	1.85 (1.17-2.93)	2.02E-01	2.50E-01	9.64E-01
rs11238133	DDC	7	50,510,408	0.32	Add	1.28 (0.92-1.78)	1.53 (0.8-2.93)	1.85 (1.12-3.04)	5.82E-01	2.57E-01	9.64E-01
rs4733065	CHRNA2	8	27,363,921	0.45	Dom	1.28 (0.78-2.09)	1.32 (0.58-3)	2.09 (1.2-3.63)	3.63E-01	3.54E-01	9.65E-01
rs1451372	DDC	7	50,521,365	0.41	Add	1.23 (0.9-1.68)	1.36 (0.67-2.74)	1.85 (1.16-2.93)	3.45E-01	2.54E-01	9.65E-01
rs129886	DBH	9	135,518,542	0.17	Add	0.95 (0.62-1.45)	1.77 (1.03-3.04)	1.83 (0.9-3.75)	9.34E-01	9.65E-01	9.65E-01
rs6356	TH	11	2,147,527	0.36	Add	0.9 (0.57-1.41)	1.69 (0.88-3.27)	1.76 (1.08-2.88)	8.58E-01	8.70E-01	9.65E-01
rs9298628	CHRNA6	8	42,725,148	0.19	Add	1.17 (0.78-1.76)	1.79 (1.02-3.15)	1.62 (0.84-3.13)	8.04E-01	7.21E-01	9.65E-01
rs1342043	FREQ (NCS1)	9	131,998,126	0.14	Add	0.63 (0.38-1.06)	1.6 (0.96-2.65)	2.86 (1.11-7.4)	2.75E-01	1.35E-01	9.65E-01
rs265971	DRD1	5	174,793,017	0.28	Dom	0.83 (0.58-1.18)	1.62 (0.89-2.98)	1.9 (0.97-3.73)	7.30E-01	5.67E-01	9.65E-01
rs2273505	CHRNA4	20	61,461,322	0.07	Add	1.02 (0.55-1.9)	1.88 (1.14-3.12)	1.46 (0.47-4.56)	6.85E-01	9.15E-01	9.66E-01
rs879606	PPP1R1B	17	35,035,375	0.19	Add	1.22 (0.83-1.8)	1.69 (0.98-2.91)	1.82 (0.95-3.51)	8.48E-01	5.74E-01	9.66E-01
rs2087017	DRD3	3	115,324,703	0.43	Dom	0.9 (0.65-1.25)	1.56 (0.7-3.46)	1.86 (1.08-3.2)	8.43E-01	8.19E-01	9.66E-01
rs130058	HTR1B	6	78,230,000	0.29	Add	0.98 (0.69-1.4)	1.64 (0.9-3.02)	1.8 (1.04-3.1)	8.04E-01	9.66E-01	9.66E-01
rs1003641	ANKK1	11	112,778,846	0.30	Dom	1.17 (0.75-1.84)	2.1 (1.08-4.1)	1.51 (0.82-2.8)	4.76E-01	6.42E-01	9.67E-01
rs806369	CNR1	6	88,912,897	0.31	Dom	1.14 (0.73-1.79)	1.86 (0.96-3.6)	1.67 (0.9-3.08)	8.15E-01	8.30E-01	9.67E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2044859	DDC	7	50,580,056	0.35	Dom	1.13 (0.71-1.79)	2.83 (1.34-5.96)	1.3 (0.74-2.31)	1.07E-01	2.55E-01	9.67E-01
rs2236196	CHRNA4	20	61,448,000	0.27	Dom	1.34 (0.86-2.11)	1.71 (0.89-3.31)	1.95 (1.04-3.66)	7.79E-01	3.99E-01	9.67E-01
rs37022	SLC6A3	5	1,468,629	0.15	Dom	0.64 (0.39-1.07)	1.76 (1.05-2.94)	2.2 (0.83-5.87)	5.97E-01	2.10E-01	9.67E-01
rs2237649	PRKAR2B	7	106,481,518	0.47	Add	1.11 (0.81-1.53)	2.7 (1.24-5.88)	1.72 (1.09-2.7)	1.68E-01	3.36E-01	9.67E-01
rs936465	DRD4	11	633,568	0.45	Add	1.18 (0.84-1.64)	1.21 (0.55-2.64)	1.74 (1.08-2.79)	2.90E-01	3.28E-01	9.68E-01
rs3122167	HCRTR2	6	55,220,774	0.28	Add	0.8 (0.55-1.15)	1.3 (0.73-2.33)	2.32 (1.28-4.2)	1.26E-01	1.77E-01	9.68E-01
rs3134711	HCRTR2	6	55,211,851	0.28	Add	0.81 (0.56-1.17)	1.3 (0.73-2.33)	2.36 (1.3-4.27)	1.18E-01	1.79E-01	9.69E-01
rs2070762	TH	11	2,142,911	0.50	Dom	1.16 (0.7-1.91)	1.37 (0.58-3.26)	1.91 (1.13-3.24)	5.24E-01	6.67E-01	9.69E-01
rs2651418	CHRNA7	15	30,226,573	0.49	Dom	0.85 (0.51-1.41)	0.89 (0.37-2.09)	2.3 (1.34-3.94)	6.58E-02	1.60E-01	9.69E-01
rs2322581	CHRNA2	8	27,379,524	0.17	Add	0.84 (0.54-1.3)	1.63 (0.96-2.76)	2.08 (0.98-4.43)	5.86E-01	6.51E-01	9.70E-01
rs9492767	EPB41L2	6	131,314,703	0.19	Dom	1.46 (0.92-2.32)	1.93 (1.08-3.45)	1.63 (0.79-3.34)	7.22E-01	2.65E-01	9.70E-01
rs2519147	DBH	9	135,485,139	0.35	Add	0.75 (0.53-1.06)	1.63 (0.86-3.06)	1.88 (1.12-3.17)	6.84E-01	2.54E-01	9.70E-01
rs324035	DRD3	3	115,351,544	0.21	Add	1.09 (0.74-1.6)	2.07 (1.18-3.64)	1.42 (0.76-2.65)	3.35E-01	5.86E-01	9.71E-01
rs9802616	FREQ (NCS1)	9	131,970,944	0.16	Add	1.1 (0.73-1.68)	2.34 (1.36-4.02)	1.03 (0.51-2.09)	5.56E-02	1.44E-01	9.71E-01
rs6466156	PRKAR2B	7	106,519,170	0.35	Add	1.03 (0.74-1.43)	2.47 (1.28-4.77)	1.51 (0.93-2.48)	1.54E-01	3.63E-01	9.71E-01
rs4311512	HCRTR2	6	55,198,654	0.28	Add	0.8 (0.55-1.15)	1.31 (0.73-2.35)	2.34 (1.29-4.23)	1.29E-01	1.82E-01	9.71E-01
rs17059736	EPB41L2	6	131,232,531	0.12	Dom	0.94 (0.56-1.6)	2.12 (1.26-3.55)	0.96 (0.38-2.42)	1.45E-01	3.28E-01	9.71E-01
rs1913456	CHRNA7	15	30,133,241	0.20	Add	1.21 (0.83-1.76)	2.27 (1.3-3.97)	1.19 (0.64-2.24)	9.96E-02	1.89E-01	9.71E-01
rs2734841	ANKK1	11	112,786,986	0.30	Dom	1.17 (0.74-1.83)	2.11 (1.08-4.1)	1.53 (0.83-2.83)	4.90E-01	6.60E-01	9.71E-01
rs2278319	CHRNA2	8	27,364,878	0.24	Add	1.24 (0.86-1.79)	1.75 (0.98-3.12)	1.79 (1.01-3.19)	9.45E-01	4.94E-01	9.72E-01
rs7017612	CHRNA6;CHRN3	8	42,718,402	0.20	Dom	0.98 (0.61-1.57)	1.55 (0.89-2.72)	2.26 (1.04-4.88)	4.44E-01	7.44E-01	9.73E-01
rs11749676	DRD1	5	174,798,904	0.41	Dom	0.75 (0.48-1.19)	1.43 (0.71-2.88)	2.08 (1.15-3.79)	4.24E-01	3.68E-01	9.73E-01
rs9972882	PPP1R1B	17	35,061,224	0.27	Dom	0.82 (0.52-1.28)	1.72 (0.95-3.12)	1.86 (0.93-3.71)	8.75E-01	6.76E-01	9.73E-01
rs3897584	ANKK1	11	112,754,935	0.35	Dom	0.69 (0.44-1.08)	2 (1.03-3.89)	1.57 (0.85-2.9)	6.02E-01	2.03E-01	9.74E-01
rs730092	DDC	7	50,503,248	0.43	Add	1.15 (0.84-1.57)	1.23 (0.61-2.49)	1.86 (1.18-2.95)	1.99E-01	2.74E-01	9.75E-01
rs11603404	DRD4	11	646,940	0.15	Dom	0.98 (0.6-1.6)	1.81 (1.06-3.08)	1.63 (0.7-3.79)	8.40E-01	9.75E-01	9.75E-01
rs10891549	ANKK1	11	112,783,657	0.48	Dom	0.88 (0.53-1.47)	3.25 (1.33-7.91)	1.39 (0.81-2.37)	1.08E-01	1.88E-01	9.75E-01
rs4460839	DRD2	11	112,827,006	0.09	Dom	1.08 (0.59-1.97)	2.09 (1.26-3.46)	0.8 (0.27-2.35)	1.14E-01	2.66E-01	9.75E-01
rs6277	ANKK1	11	112,788,669	0.48	Dom	0.93 (0.55-1.57)	3.38 (1.35-8.5)	1.4 (0.82-2.37)	1.02E-01	1.98E-01	9.75E-01
rs7771240	HCRTR2	6	55,201,790	0.28	Add	0.81 (0.56-1.17)	1.3 (0.73-2.33)	2.34 (1.29-4.25)	1.23E-01	1.90E-01	9.75E-01
rs12422191	ANKK1	11	112,779,220	0.09	Add	1.02 (0.58-1.79)	1.71 (1.04-2.8)	1.93 (0.69-5.38)	8.35E-01	9.76E-01	9.76E-01
rs548646	OPRM1	6	154,459,840	0.35	Add	0.98 (0.7-1.36)	2.62 (1.37-5.03)	1.47 (0.9-2.41)	9.03E-02	2.17E-01	9.76E-01
rs2237652	PRKAR2B	7	106,547,212	0.48	Add	0.91 (0.66-1.24)	2.3 (1.08-4.88)	1.75 (1.12-2.76)	4.07E-01	5.73E-01	9.76E-01
rs265981	DRD1	5	174,803,508	0.41	Dom	0.84 (0.52-1.35)	1.24 (0.6-2.56)	2.23 (1.19-4.19)	2.31E-01	3.94E-01	9.76E-01
rs1544582	PRKAR2B	7	106,475,074	0.47	Add	1.1 (0.8-1.51)	2.67 (1.23-5.82)	1.73 (1.1-2.72)	1.86E-01	3.71E-01	9.76E-01
rs267405	DRD1	5	174,817,158	0.42	Dom	1.29 (0.8-2.08)	1.38 (0.62-3.08)	2 (1.16-3.45)	4.56E-01	3.88E-01	9.76E-01
rs267406	DRD1	5	174,817,347	0.42	Dom	1.29 (0.8-2.08)	1.38 (0.62-3.08)	2 (1.16-3.45)	4.56E-01	3.88E-01	9.76E-01
rs2196128	CHRNA6	8	42,737,443	0.21	Dom	1.19 (0.75-1.88)	1.9 (1.06-3.41)	1.53 (0.75-3.1)	6.38E-01	6.99E-01	9.77E-01
rs6265	BDNF	11	27,636,492	0.18	Add	0.78 (0.5-1.2)	1.6 (0.94-2.75)	1.99 (0.96-4.14)	6.24E-01	4.50E-01	9.77E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs748283	CHRNA2	8	27,373,112	0.49	Add	1.04 (0.77-1.42)	1.21 (0.58-2.55)	1.78 (1.14-2.8)	2.21E-01	4.44E-01	9.77E-01
rs2267366	PRKCABP	22	36,810,605	0.16	Add	0.93 (0.61-1.44)	2.1 (1.23-3.58)	1.22 (0.58-2.55)	2.21E-01	4.23E-01	9.78E-01
rs10819611	FREQ (NCS1)	9	131,995,274	0.30	Add	0.84 (0.6-1.18)	2.34 (1.29-4.25)	1.43 (0.84-2.44)	1.57E-01	1.97E-01	9.78E-01
rs4938016	ANKK1	11	112,775,225	0.32	Dom	1.15 (0.73-1.81)	2.07 (1.04-4.11)	1.57 (0.86-2.87)	5.58E-01	7.33E-01	9.78E-01
rs4789189	GRB2	17	70,909,580	0.20	Dom	0.87 (0.54-1.38)	1.47 (0.84-2.57)	2.49 (1.16-5.36)	2.77E-01	4.87E-01	9.78E-01
rs7271854	GNAS	20	56,880,417	0.41	Add	1.07 (0.77-1.5)	1.54 (0.75-3.16)	1.74 (1.09-2.77)	7.30E-01	8.53E-01	9.78E-01
rs896307	DDC	7	50,536,554	0.20	Add	1.09 (0.69-1.73)	2.19 (1.25-3.83)	1.26 (0.66-2.41)	1.34E-01	3.23E-01	9.78E-01
rs7790758	DDC	7	50,529,038	0.20	Add	1.09 (0.69-1.73)	2.19 (1.25-3.83)	1.26 (0.66-2.41)	1.34E-01	3.23E-01	9.78E-01
rs896309	DDC	7	50,512,516	0.20	Add	1.09 (0.69-1.73)	2.19 (1.25-3.83)	1.26 (0.66-2.41)	1.34E-01	3.23E-01	9.78E-01
rs7815010	CHRNA2	8	27,386,013	0.25	Add	0.85 (0.58-1.24)	1.53 (0.87-2.71)	2.12 (1.14-3.93)	4.07E-01	5.43E-01	9.78E-01
rs6466157	PRKAR2B	7	106,519,537	0.48	Add	0.91 (0.66-1.25)	2.32 (1.09-4.91)	1.75 (1.11-2.75)	3.90E-01	5.68E-01	9.79E-01
rs7122454	DRD2	11	112,832,678	0.15	Add	1.02 (0.64-1.62)	1.41 (0.84-2.38)	3.05 (1.34-6.94)	1.11E-01	2.47E-01	9.79E-01
rs130016	CREBBP	16	3,730,308	0.50	Dom	0.68 (0.11-4.01)	0.24 (0.01-8.47)	1.81 (1.15-2.85)	2.69E-01	5.40E-01	9.79E-01
rs267400	DRD1	5	174,815,305	0.43	Dom	1.27 (0.79-2.06)	1.41 (0.63-3.13)	1.96 (1.14-3.39)	5.00E-01	4.35E-01	9.79E-01
rs2734848	ANKK1	11	112,775,584	0.17	Add	0.72 (0.44-1.17)	1.55 (0.91-2.65)	2.9 (1.22-6.85)	2.15E-01	2.49E-01	9.79E-01
rs9825563	DRD3	3	115,382,910	0.31	Add	0.78 (0.5-1.22)	1.89 (1.02-3.51)	1.71 (1-2.91)	6.12E-01	4.50E-01	9.79E-01
rs1076562	DRD2	11	112,801,218	0.24	Dom	1.16 (0.73-1.82)	1.97 (1.07-3.62)	1.56 (0.8-3.07)	6.18E-01	7.43E-01	9.79E-01
rs9444584	CNR1	6	88,919,278	0.22	Add	1.17 (0.81-1.68)	1.98 (1.12-3.49)	1.55 (0.85-2.81)	5.10E-01	5.90E-01	9.80E-01
rs10093964	CHRNA2	8	27,367,957	0.43	Add	0.95 (0.7-1.3)	2.49 (1.23-5.05)	1.68 (1.06-2.65)	2.20E-01	4.18E-01	9.80E-01
rs1476879	PRKAR2B	7	106,485,977	0.47	Add	1.11 (0.81-1.53)	2.62 (1.2-5.71)	1.73 (1.1-2.72)	2.07E-01	3.88E-01	9.80E-01
rs12652860	SLC6A3	5	1,506,772	0.28	Add	1.29 (0.93-1.8)	2.02 (1.09-3.74)	1.66 (0.99-2.78)	5.64E-01	2.89E-01	9.80E-01
rs12154324	PRKAR2B	7	106,508,168	0.09	Add	0.96 (0.53-1.73)	1.57 (0.96-2.55)	3.16 (1.03-9.71)	2.57E-01	5.04E-01	9.81E-01
rs4821733	PRKCABP	22	36,779,340	0.44	Dom	1.28 (0.79-2.08)	1.46 (0.65-3.31)	1.91 (1.11-3.27)	5.97E-01	4.84E-01	9.81E-01
rs3756450	SLC6A3	5	1,501,148	0.11	Dom	0.68 (0.38-1.22)	1.9 (1.15-3.13)	1.24 (0.43-3.56)	4.71E-01	2.97E-01	9.81E-01
rs6598007	DRD4	11	646,523	0.06	Add	1.14 (0.6-2.16)	1.95 (1.2-3.18)	0.92 (0.28-3.02)	2.50E-01	5.04E-01	9.82E-01
rs9909076	GRB2	17	70,896,404	0.20	Dom	0.85 (0.53-1.36)	1.46 (0.84-2.56)	2.4 (1.11-5.19)	3.11E-01	5.02E-01	9.82E-01
rs2053156	GRB2	17	70,890,035	0.20	Dom	0.85 (0.53-1.36)	1.46 (0.84-2.56)	2.4 (1.11-5.19)	3.11E-01	5.02E-01	9.82E-01
rs2975292	SLC6A3	5	1,472,932	0.34	Add	0.97 (0.67-1.39)	1.82 (0.93-3.57)	1.79 (1.06-3.01)	9.65E-01	9.82E-01	9.82E-01
rs6064716	GNAS	20	56,877,541	0.13	Add	1.09 (0.7-1.71)	1.77 (1.06-2.94)	1.73 (0.78-3.83)	9.63E-01	9.27E-01	9.82E-01
rs4789178	GRB2	17	70,879,837	0.20	Dom	0.84 (0.53-1.35)	1.48 (0.85-2.59)	2.41 (1.11-5.21)	3.22E-01	5.03E-01	9.83E-01
rs908867	BDNF	11	27,702,340	0.10	Add	1.21 (0.74-1.99)	1.93 (1.17-3.18)	1.24 (0.5-3.06)	3.86E-01	4.88E-01	9.83E-01
rs834829	NR4A2	2	156,909,095	0.31	Dom	1.06 (0.68-1.66)	1.45 (0.76-2.79)	2.08 (1.12-3.88)	4.34E-01	6.90E-01	9.83E-01
rs6960842	PRKAR2B	7	106,502,556	0.42	Add	0.85 (0.62-1.18)	2.07 (1.03-4.15)	1.7 (1.07-2.71)	5.49E-01	5.09E-01	9.83E-01
rs9322446	OPRM1	6	154,450,395	0.15	Add	1.02 (0.66-1.56)	1.85 (1.1-3.13)	1.57 (0.75-3.28)	7.00E-01	9.27E-01	9.83E-01
rs2299419	PRKAR2B	7	106,506,772	0.09	Add	0.82 (0.46-1.45)	1.85 (1.14-3.02)	1.36 (0.47-3.97)	6.03E-01	6.42E-01	9.83E-01
rs11737901	SLC6A3	5	1,483,616	0.34	Dom	1.04 (0.66-1.65)	1.77 (0.85-3.65)	1.77 (1-3.15)	9.91E-01	9.83E-01	9.83E-01
rs2297853	EPB41L2	6	131,318,638	0.35	Dom	1.27 (0.8-2.01)	2.54 (1.22-5.27)	1.36 (0.76-2.42)	1.88E-01	2.88E-01	9.83E-01
rs167771	DRD3	3	115,358,965	0.19	Dom	1.01 (0.64-1.62)	2.11 (1.2-3.71)	1.26 (0.59-2.67)	2.80E-01	5.58E-01	9.84E-01
rs510587	OPRM1	6	154,455,121	0.05	Add	1.33 (0.68-2.61)	1.96 (1.22-3.17)	0.76 (0.21-2.69)	1.63E-01	2.74E-01	9.84E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs618207	OPRM1	6	154,466,362	0.35	Add	0.99 (0.71-1.38)	2.58 (1.34-4.96)	1.49 (0.91-2.43)	1.06E-01	2.55E-01	9.84E-01
rs1853384	OPRM1	6	154,466,651	0.35	Add	0.99 (0.71-1.38)	2.58 (1.34-4.96)	1.49 (0.91-2.43)	1.06E-01	2.55E-01	9.84E-01
rs12072831	EPB41	1	29,265,747	0.15	Dom	0.95 (0.57-1.6)	1.76 (1.05-2.95)	1.79 (0.71-4.47)	9.75E-01	9.84E-01	9.84E-01
rs3857051	SNCA	4	90,862,720	0.08	Dom	1.15 (0.6-2.17)	1.54 (0.94-2.51)	3.93 (1.2-12.89)	1.53E-01	3.21E-01	9.84E-01
rs10003708	SNCA	4	90,862,074	0.08	Dom	1.15 (0.6-2.17)	1.54 (0.94-2.51)	3.93 (1.2-12.89)	1.53E-01	3.21E-01	9.84E-01
rs11931074	SNCA	4	90,858,538	0.08	Dom	1.15 (0.6-2.17)	1.54 (0.94-2.51)	3.93 (1.2-12.89)	1.53E-01	3.21E-01	9.84E-01
rs356220	SNCA	4	90,860,363	0.36	Dom	1.13 (0.69-1.85)	0.96 (0.44-2.06)	1.98 (1.06-3.7)	1.49E-01	2.88E-01	9.84E-01
rs12803	NR4A2	2	156,890,171	0.47	Dom	1.12 (0.83-1.53)	2.09 (0.88-4.94)	1.64 (0.97-2.79)	9.35E-01	7.44E-01	9.84E-01
rs613355	OPRM1	6	154,491,542	0.35	Add	0.96 (0.69-1.34)	2.53 (1.32-4.85)	1.5 (0.91-2.46)	1.27E-01	2.69E-01	9.85E-01
rs9367621	HCRTR2	6	55,148,249	0.45	Add	1.34 (0.97-1.84)	1.81 (0.84-3.94)	1.73 (1.1-2.72)	8.81E-01	1.97E-01	9.85E-01
rs2076370	PRKCABP	22	36,793,914	0.39	Add	0.99 (0.71-1.36)	1.67 (0.85-3.28)	1.76 (1.09-2.82)	8.75E-01	9.85E-01	9.85E-01
rs10835210	BDNF	11	27,652,486	0.48	Add	0.74 (0.45-1.21)	1.65 (0.79-3.44)	1.8 (1.14-2.84)	7.18E-01	4.57E-01	9.85E-01
rs943552	NTRK1	1	155,122,242	0.07	Dom	1.11 (0.57-2.16)	1.63 (1.01-2.64)	2.75 (0.78-9.6)	4.46E-01	6.83E-01	9.85E-01
rs2630349	DRD3	3	115,356,062	0.07	Add	1.02 (0.54-1.93)	1.59 (0.99-2.57)	3.39 (0.98-11.73)	2.60E-01	4.74E-01	9.85E-01
rs2630350	DRD3	3	115,357,686	0.07	Add	1.02 (0.54-1.93)	1.59 (0.99-2.57)	3.39 (0.98-11.73)	2.60E-01	4.74E-01	9.85E-01
rs324032	DRD3	3	115,360,518	0.07	Add	1.02 (0.54-1.93)	1.59 (0.99-2.57)	3.39 (0.98-11.73)	2.60E-01	4.74E-01	9.85E-01
rs7766029	CNR1	6	88,904,154	0.48	Dom	1.07 (0.64-1.78)	1.01 (0.42-2.45)	2.12 (1.25-3.61)	1.59E-01	3.57E-01	9.85E-01
rs943551	NTRK1	1	155,122,121	0.07	Dom	1.12 (0.58-2.17)	1.64 (1.01-2.66)	2.74 (0.78-9.59)	4.54E-01	6.87E-01	9.86E-01
rs3775423	SNCA	4	90,876,514	0.08	Dom	1.15 (0.61-2.19)	1.54 (0.94-2.5)	3.86 (1.18-12.69)	1.61E-01	3.30E-01	9.86E-01
rs8135665	PRKCABP	22	36,806,222	0.20	Dom	1.08 (0.74-1.58)	2.05 (1.14-3.7)	1.49 (0.7-3.17)	2.38E-01	4.92E-01	9.86E-01
rs2440390	DRD2	11	112,792,088	0.14	Dom	0.69 (0.4-1.19)	1.58 (0.95-2.63)	2.36 (0.89-6.29)	4.77E-01	3.30E-01	9.86E-01
rs356219	SNCA	4	90,856,624	0.38	Dom	1.06 (0.67-1.68)	1.13 (0.54-2.35)	2.3 (1.3-4.08)	1.34E-01	2.99E-01	9.86E-01
rs1145831	HTR1B	6	78,217,292	0.22	Add	1.14 (0.79-1.66)	1.85 (1.05-3.25)	1.65 (0.89-3.04)	7.68E-01	7.73E-01	9.86E-01
rs512053	OPRM1	6	154,481,209	0.09	Add	1.25 (0.71-2.22)	1.56 (0.96-2.55)	3.05 (1.05-8.87)	2.60E-01	3.05E-01	9.87E-01
rs6454672	CNR1	6	88,918,289	0.14	Dom	0.86 (0.51-1.44)	2 (1.19-3.38)	1.18 (0.48-2.91)	3.22E-01	5.01E-01	9.87E-01
rs10445364	CRHR1	17	41,272,136	0.20	Dom	1.12 (0.7-1.78)	1.46 (0.83-2.56)	2.48 (1.17-5.25)	2.70E-01	4.59E-01	9.87E-01
rs6413429	SLC6A3	5	1,500,027	0.06	Add	0.59 (0.27-1.29)	1.68 (1.05-2.69)	2.74 (0.61-12.32)	5.43E-01	3.54E-01	9.87E-01
rs806375	CNR1	6	88,915,240	0.46	Add	0.97 (0.72-1.31)	1.21 (0.6-2.45)	1.84 (1.17-2.9)	1.78E-01	3.98E-01	9.87E-01
rs1557123	FREQ (NCS1)	9	132,042,979	0.08	Dom	0.8 (0.41-1.57)	2.02 (1.23-3.32)	0.66 (0.2-2.26)	9.90E-02	2.26E-01	9.87E-01
rs1491850	BDNF	11	27,706,301	0.37	Add	1.09 (0.77-1.54)	1.49 (0.75-2.96)	1.88 (1.16-3.03)	5.07E-01	6.92E-01	9.88E-01
rs4603829	CHRNA4	20	61,439,336	0.36	Dom	1.09 (0.69-1.71)	1.39 (0.69-2.79)	2.08 (1.16-3.76)	3.83E-01	6.16E-01	9.88E-01
rs4311511	HCRTR2	6	55,198,566	0.29	Add	0.81 (0.56-1.18)	1.35 (0.75-2.45)	2.35 (1.3-4.24)	1.48E-01	2.23E-01	9.88E-01
rs3735275	DDC	7	50,484,765	0.17	Dom	1.04 (0.64-1.68)	1.89 (1.1-3.24)	1.49 (0.66-3.35)	6.32E-01	8.89E-01	9.88E-01
rs2399496	DRD3	3	115,328,703	0.48	Add	0.92 (0.67-1.26)	2.02 (0.94-4.32)	1.74 (1.11-2.73)	6.48E-01	7.65E-01	9.88E-01
rs6532191	SNCA	4	90,964,953	0.50	Dom	0.9 (0.53-1.51)	0.93 (0.38-2.3)	2.14 (1.27-3.61)	1.18E-01	2.92E-01	9.88E-01
rs988748	BDNF	11	27,681,321	0.20	Add	0.83 (0.55-1.25)	1.74 (1.01-3.01)	1.72 (0.87-3.39)	9.74E-01	6.52E-01	9.88E-01
rs9350712	HTR1B	6	78,220,836	0.46	Dom	1.14 (0.69-1.88)	1.47 (0.63-3.42)	1.93 (1.13-3.3)	5.93E-01	7.48E-01	9.88E-01
rs806368	CNR1	6	88,906,819	0.21	Dom	0.77 (0.48-1.24)	1.47 (0.84-2.57)	2.49 (1.14-5.42)	2.82E-01	3.58E-01	9.88E-01
rs806366	CNR1	6	88,904,308	0.48	Dom	0.77 (0.47-1.25)	2.45 (1.07-5.58)	1.54 (0.9-2.64)	3.56E-01	3.43E-01	9.88E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs4350602	GRB2	17	70,867,364	0.31	Add	1.01 (0.72-1.42)	1.82 (0.97-3.4)	1.73 (1.03-2.89)	8.88E-01	9.88E-01	9.88E-01
rs540825	OPRM1	6	154,456,139	0.25	Add	0.87 (0.6-1.25)	2.19 (1.24-3.87)	1.4 (0.77-2.55)	2.37E-01	2.97E-01	9.88E-01
rs883473	CHRNA7	15	30,112,968	0.31	Dom	1.05 (0.67-1.64)	1.63 (0.86-3.09)	1.87 (0.99-3.53)	7.68E-01	9.29E-01	9.89E-01
rs4559942	GRB2	17	70,820,864	0.27	Dom	0.87 (0.56-1.37)	1.41 (0.77-2.61)	2.25 (1.15-4.4)	3.19E-01	5.42E-01	9.89E-01
rs9867325	NCK1	3	138,101,599	0.23	Dom	0.9 (0.57-1.42)	1.7 (0.96-3.03)	1.85 (0.89-3.85)	8.57E-01	8.95E-01	9.89E-01
rs4809538	CHRNA4	20	61,440,620	0.21	Add	1.06 (0.73-1.55)	1.97 (1.12-3.46)	1.54 (0.84-2.83)	5.24E-01	7.85E-01	9.89E-01
rs7037293	FREQ (NCS1)	9	132,002,538	0.13	Add	0.67 (0.4-1.12)	1.55 (0.94-2.56)	2.72 (1.05-7.08)	2.90E-01	1.98E-01	9.89E-01
rs12718574	DDC	7	50,541,342	0.44	Dom	0.87 (0.53-1.42)	2.75 (1.2-6.29)	1.44 (0.84-2.47)	2.00E-01	3.28E-01	9.89E-01
rs806365	CNR1	6	88,902,668	0.46	Add	0.92 (0.67-1.27)	2.07 (0.98-4.35)	1.66 (1.05-2.62)	5.12E-01	6.88E-01	9.89E-01
rs1876828	CRHR1	17	41,267,306	0.20	Add	1.24 (0.83-1.86)	1.62 (0.91-2.89)	2.23 (1.15-4.31)	4.40E-01	4.22E-01	9.89E-01
rs165774	COMT	22	18,332,561	0.33	Dom	0.7 (0.44-1.09)	1.93 (1.01-3.66)	1.56 (0.82-2.97)	6.54E-01	2.40E-01	9.89E-01
rs4240446	FREQ (NCS1)	9	132,018,220	0.14	Add	0.74 (0.44-1.23)	1.45 (0.86-2.46)	3.14 (1.22-8.13)	1.52E-01	2.04E-01	9.89E-01
rs9375785	EPB41L2	6	131,316,601	0.17	Add	1.03 (0.67-1.57)	1.79 (1.05-3.06)	1.73 (0.85-3.54)	9.36E-01	9.89E-01	9.89E-01
rs760973	PRKCABP	22	36,777,212	0.44	Dom	1.32 (0.8-2.18)	1.9 (0.8-4.52)	1.73 (1.02-2.94)	8.56E-01	5.43E-01	9.90E-01
rs9909443	GRB2	17	70,819,941	0.26	Dom	0.86 (0.55-1.35)	1.45 (0.79-2.64)	2.27 (1.14-4.52)	3.32E-01	5.37E-01	9.90E-01
rs2734849	ANKK1	11	112,775,370	0.49	Add	1.05 (0.77-1.44)	1.28 (0.6-2.73)	1.75 (1.11-2.75)	3.27E-01	5.60E-01	9.90E-01
rs6494223	CHRNA7	15	30,183,749	0.38	Dom	1 (0.63-1.59)	1.14 (0.55-2.34)	2.32 (1.29-4.16)	1.34E-01	3.23E-01	9.90E-01
rs8065441	GRB2	17	70,922,042	0.15	Dom	0.81 (0.49-1.34)	1.55 (0.91-2.62)	2.26 (0.94-5.42)	4.69E-01	5.66E-01	9.90E-01
rs5751579	GNAZ	22	21,759,224	0.27	Add	1.27 (0.91-1.78)	1.77 (0.97-3.24)	1.69 (0.99-2.89)	8.92E-01	3.88E-01	9.90E-01
rs9902966	GRB2	17	70,873,742	0.20	Dom	0.83 (0.52-1.34)	1.46 (0.84-2.56)	2.26 (1.04-4.91)	3.77E-01	5.36E-01	9.90E-01
rs1150144	NR4A2	2	156,886,749	0.31	Add	0.93 (0.66-1.33)	1.54 (0.83-2.85)	1.93 (1.13-3.3)	5.32E-01	7.94E-01	9.90E-01
rs6578993	TH	11	2,157,739	0.14	Dom	1.3 (0.8-2.13)	2.01 (1.17-3.45)	1.32 (0.58-3.04)	4.11E-01	4.34E-01	9.90E-01
rs1519479	BDNF	11	27,624,107	0.47	Dom	1.15 (0.83-1.59)	1.37 (0.57-3.31)	1.92 (1.14-3.24)	7.58E-01	6.48E-01	9.90E-01
rs81189	CRHR1	17	41,250,579	0.48	Add	0.99 (0.6-1.63)	2.01 (0.94-4.29)	1.75 (1.11-2.74)	4.56E-01	7.58E-01	9.90E-01
rs17016188	SNCA	4	90,940,903	0.06	Dom	1.03 (0.5-2.11)	1.56 (0.97-2.52)	4.34 (1.09-17.21)	1.71E-01	3.70E-01	9.90E-01
rs8140265	COMT	22	18,301,641	0.27	Add	1.19 (0.82-1.71)	1.38 (0.75-2.54)	2.14 (1.23-3.73)	2.37E-01	3.32E-01	9.90E-01
rs6532190	SNCA	4	90,938,219	0.06	Dom	1.03 (0.5-2.11)	1.56 (0.97-2.52)	4.34 (1.09-17.21)	1.71E-01	3.70E-01	9.90E-01
rs963468	DRD3	3	115,345,577	0.39	Add	0.88 (0.63-1.22)	1.7 (0.86-3.34)	1.77 (1.1-2.86)	8.98E-01	7.33E-01	9.91E-01
rs8081778	GRB2	17	70,823,867	0.19	Dom	0.92 (0.58-1.47)	1.48 (0.85-2.58)	2.39 (1.11-5.16)	3.22E-01	5.92E-01	9.91E-01
rs2023239	CNR1	6	88,917,201	0.18	Add	1.15 (0.77-1.71)	1.93 (1.11-3.35)	1.53 (0.78-2.98)	5.77E-01	7.07E-01	9.91E-01
rs7648198	NCK1	3	138,154,451	0.47	Add	0.98 (0.72-1.35)	1.19 (0.57-2.5)	1.8 (1.14-2.84)	2.07E-01	4.48E-01	9.91E-01
rs4788891	GRB2	17	70,902,740	0.19	Dom	0.87 (0.55-1.39)	1.5 (0.86-2.61)	2.33 (1.08-5.06)	3.64E-01	5.85E-01	9.91E-01
rs12527143	HTR1B	6	78,221,317	0.20	Add	0.92 (0.57-1.48)	1.55 (0.9-2.67)	2.2 (1.09-4.45)	2.66E-01	5.25E-01	9.91E-01
rs2095961	EPB41L2	6	131,325,953	0.35	Dom	1.24 (0.78-1.97)	2.54 (1.22-5.29)	1.38 (0.78-2.45)	1.98E-01	3.21E-01	9.91E-01
rs806371	CNR1	6	88,913,082	0.12	Dom	1.04 (0.6-1.81)	1.5 (0.9-2.49)	3.14 (1.14-8.6)	2.00E-01	3.99E-01	9.91E-01
rs1213366	HTR1B	6	78,233,589	0.43	Add	1.22 (0.88-1.7)	1.3 (0.62-2.73)	1.81 (1.15-2.86)	3.18E-01	2.70E-01	9.92E-01
rs6484320	BDNF	11	27,659,764	0.19	Add	0.83 (0.55-1.26)	1.75 (1.02-3.03)	1.7 (0.86-3.36)	9.38E-01	6.77E-01	9.92E-01
rs3829905	FREQ (NCS1)	9	132,024,932	0.35	Add	0.98 (0.7-1.37)	2.07 (1.06-4.05)	2.06 (1.22-3.48)	9.85E-01	9.92E-01	9.92E-01
rs174697	COMT	22	18,333,832	0.05	Dom	0.92 (0.42-1.98)	1.69 (1.06-2.72)	2.27 (0.52-9.96)	7.12E-01	9.11E-01	9.92E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs7932167	DRD4	11	610,599	0.21	Add	1.18 (0.8-1.72)	1.76 (1-3.11)	1.64 (0.88-3.07)	8.59E-01	7.13E-01	9.92E-01
rs835648	NCK1	3	138,154,194	0.30	Dom	1 (0.7-1.43)	1.49 (0.78-2.86)	2.04 (1.09-3.8)	4.05E-01	7.02E-01	9.92E-01
rs10456181	HCRTR2	6	55,148,655	0.35	Dom	0.8 (0.51-1.26)	2.46 (1.23-4.91)	1.36 (0.75-2.46)	2.00E-01	2.38E-01	9.92E-01
rs2133965	CHRNA7	15	30,171,846	0.07	Add	0.96 (0.49-1.91)	1.53 (0.95-2.47)	4.55 (1.24-16.72)	1.21E-01	2.72E-01	9.92E-01
rs1213370	HTR1B	6	78,235,516	0.47	Dom	0.91 (0.55-1.51)	2.86 (1.2-6.82)	1.46 (0.86-2.47)	1.95E-01	3.65E-01	9.92E-01
rs12946365	GRB2	17	70,829,239	0.27	Dom	0.88 (0.56-1.38)	1.47 (0.79-2.71)	2.14 (1.1-4.16)	4.19E-01	6.44E-01	9.92E-01
rs7924316	TH	11	2,130,023	0.48	Dom	1.02 (0.62-1.67)	1.05 (0.45-2.41)	2.14 (1.25-3.67)	1.59E-01	3.67E-01	9.92E-01
rs737865	COMT	22	18,310,121	0.27	Add	1.15 (0.8-1.66)	1.38 (0.75-2.54)	2.19 (1.26-3.81)	2.13E-01	3.47E-01	9.93E-01
rs1805300	NCK1	3	138,058,932	0.32	Dom	0.9 (0.58-1.41)	1.43 (0.74-2.76)	2.1 (1.13-3.9)	4.04E-01	6.64E-01	9.93E-01
rs4678448	NCK1	3	138,053,879	0.32	Dom	0.9 (0.58-1.41)	1.43 (0.74-2.76)	2.1 (1.13-3.9)	4.04E-01	6.64E-01	9.93E-01
rs2030324	BDNF	11	27,683,491	0.46	Add	1.12 (0.81-1.54)	1.75 (0.81-3.8)	1.77 (1.13-2.78)	9.80E-01	8.02E-01	9.93E-01
rs2611605	CHRNA7	15	30,228,925	0.20	Dom	1.17 (0.78-1.75)	1.44 (0.82-2.52)	2.73 (1.27-5.9)	1.73E-01	2.66E-01	9.93E-01
rs7122246	DRD2	11	112,809,667	0.42	Dom	0.86 (0.53-1.37)	2.33 (1.07-5.07)	1.55 (0.89-2.71)	4.02E-01	5.15E-01	9.93E-01
rs2329340	DDC	7	50,587,723	0.33	Add	1.26 (0.91-1.76)	1.86 (0.96-3.58)	1.73 (1.06-2.82)	8.38E-01	3.77E-01	9.93E-01
rs8079197	GRB2	17	70,828,274	0.27	Dom	0.87 (0.56-1.37)	1.49 (0.8-2.75)	2.13 (1.09-4.15)	4.38E-01	6.50E-01	9.93E-01
rs2337980	CHRNA7	15	30,231,488	0.44	Add	1.27 (0.77-2.08)	1.57 (0.75-3.26)	1.78 (1.13-2.8)	8.79E-01	6.17E-01	9.93E-01
rs10915208	EPB41	1	29,102,916	0.11	Dom	1.4 (0.83-2.37)	1.88 (1.12-3.15)	1.34 (0.53-3.39)	5.38E-01	4.22E-01	9.93E-01
rs3787137	CHRNA4	20	61,449,544	0.41	Dom	1.2 (0.72-1.99)	2.46 (1.03-5.9)	1.57 (0.9-2.74)	3.97E-01	6.00E-01	9.94E-01
rs9352483	HTR1B	6	78,246,975	0.15	Add	1.02 (0.65-1.62)	1.49 (0.89-2.5)	2.67 (1.16-6.11)	2.24E-01	3.93E-01	9.94E-01
rs835637	NCK1	3	138,155,847	0.45	Dom	1.01 (0.73-1.39)	2.49 (1.04-5.98)	1.53 (0.9-2.59)	2.32E-01	4.88E-01	9.94E-01
rs9881139	NCK1	3	138,116,730	0.39	Add	0.94 (0.67-1.3)	1.39 (0.71-2.72)	1.9 (1.17-3.06)	3.58E-01	6.16E-01	9.94E-01
rs12203487	HTR1B	6	78,215,602	0.13	Dom	1.05 (0.62-1.78)	1.6 (0.96-2.68)	2.37 (0.93-6)	4.72E-01	7.38E-01	9.94E-01
rs1044396	CHRNA4	20	61,451,578	0.44	Dom	0.98 (0.58-1.63)	2.54 (1.04-6.18)	1.47 (0.85-2.57)	3.10E-01	5.65E-01	9.94E-01
rs2811228	HCRTR2	6	55,260,768	0.38	Dom	0.99 (0.62-1.57)	1.7 (0.81-3.53)	1.78 (1.01-3.15)	9.14E-01	9.94E-01	9.94E-01
rs4792825	CRHR1	17	41,275,461	0.13	Add	1.11 (0.69-1.78)	2.03 (1.22-3.39)	1.11 (0.48-2.56)	2.09E-01	4.44E-01	9.94E-01
rs1213371	HTR1B	6	78,236,764	0.43	Add	1.22 (0.88-1.69)	1.34 (0.64-2.82)	1.84 (1.17-2.91)	3.37E-01	2.96E-01	9.94E-01
rs6479643	DBH	9	135,504,489	0.38	Add	1.07 (0.78-1.46)	1.78 (0.91-3.5)	1.78 (1.1-2.85)	9.91E-01	9.24E-01	9.94E-01
rs13212041	HTR1B	6	78,227,843	0.19	Add	1.17 (0.78-1.76)	2.19 (1.24-3.84)	1.26 (0.64-2.44)	1.89E-01	3.64E-01	9.94E-01
rs1213365	HTR1B	6	78,233,274	0.50	Add	1.56 (0.87-2.82)	1.34 (0.58-3.13)	1.6 (1-2.57)	5.03E-01	2.80E-01	9.94E-01
rs756632	GNAZ	22	21,799,918	0.15	Dom	0.78 (0.46-1.33)	1.58 (0.94-2.67)	2.73 (1.07-6.99)	3.23E-01	4.49E-01	9.94E-01
rs6938321	CNR1	6	88,892,773	0.12	Dom	0.79 (0.46-1.36)	1.86 (1.12-3.08)	1.44 (0.54-3.83)	6.48E-01	5.93E-01	9.94E-01
rs2811239	HCRTR2	6	55,229,913	0.17	Add	1.33 (0.89-1.99)	2.03 (1.16-3.55)	1.49 (0.77-2.89)	4.56E-01	2.78E-01	9.94E-01
rs6297	HTR1B	6	78,228,660	0.14	Add	1.1 (0.7-1.75)	2.12 (1.25-3.61)	1.11 (0.5-2.45)	1.68E-01	3.72E-01	9.94E-01
rs6784005	NCK1	3	138,095,451	0.31	Add	1.03 (0.71-1.5)	1.24 (0.64-2.43)	1.89 (1.08-3.3)	2.81E-01	5.44E-01	9.94E-01
rs9359271	HTR1B	6	78,222,839	0.27	Dom	0.78 (0.5-1.22)	1.9 (1.04-3.49)	1.58 (0.8-3.12)	6.92E-01	4.88E-01	9.94E-01
rs10767664	BDNF	11	27,682,562	0.19	Dom	0.84 (0.52-1.35)	1.92 (1.1-3.36)	1.43 (0.67-3.07)	5.45E-01	6.17E-01	9.94E-01
rs3777457	EPB41L2	6	131,291,580	0.17	Dom	0.98 (0.6-1.58)	2.18 (1.26-3.76)	1.1 (0.49-2.45)	1.69E-01	3.80E-01	9.94E-01
rs885964	GNAZ	22	21,791,003	0.45	Dom	0.92 (0.57-1.48)	1.44 (0.65-3.17)	1.9 (1.1-3.3)	5.70E-01	8.14E-01	9.95E-01
rs7862394	FREQ (NCS1)	9	131,989,685	0.32	Add	0.85 (0.54-1.32)	2.38 (1.29-4.41)	1.46 (0.88-2.44)	1.36E-01	2.16E-01	9.95E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs933063	EPB41L2	6	131,225,408	0.32	Dom	1.22 (0.78-1.91)	2.35 (1.19-4.64)	1.35 (0.73-2.47)	2.29E-01	3.71E-01	9.95E-01
rs7219	GRB2	17	70,826,963	0.27	Dom	0.9 (0.58-1.41)	1.44 (0.77-2.66)	2.19 (1.13-4.25)	3.65E-01	6.21E-01	9.95E-01
rs17690326	CRHR1	17	41,276,754	0.20	Dom	1.08 (0.68-1.72)	1.46 (0.83-2.56)	2.38 (1.12-5.05)	3.09E-01	5.47E-01	9.95E-01
rs6761993	NCK1	3	138,108,592	0.39	Dom	0.89 (0.56-1.41)	1.37 (0.66-2.84)	2.02 (1.13-3.61)	4.19E-01	6.57E-01	9.95E-01
rs16940646	CRHR1	17	41,235,682	0.12	Dom	1.29 (0.76-2.2)	1.77 (1.06-2.97)	1.8 (0.7-4.64)	9.79E-01	6.34E-01	9.95E-01
rs10499177	EPB41L2	6	131,257,514	0.09	Add	1.15 (0.67-1.99)	2.01 (1.22-3.31)	1.02 (0.38-2.74)	2.21E-01	4.05E-01	9.95E-01
rs1039394	CHRNA7	15	30,195,021	0.05	Dom	1.2 (0.59-2.47)	1.7 (1.05-2.74)	2.31 (0.59-9.01)	6.77E-01	8.00E-01	9.95E-01
rs1079727	DRD2	11	112,794,392	0.18	Dom	0.82 (0.54-1.26)	1.9 (1.1-3.27)	1.52 (0.68-3.39)	8.48E-01	6.18E-01	9.95E-01
rs2737015	SNCA	4	90,964,306	0.27	Add	1.04 (0.71-1.51)	1.85 (1.02-3.36)	1.68 (0.94-2.98)	7.97E-01	9.56E-01	9.95E-01
rs1812923	SNCA	4	90,958,562	0.43	Dom	0.97 (0.6-1.58)	1.07 (0.47-2.39)	2.19 (1.27-3.76)	1.49E-01	3.54E-01	9.95E-01
rs4630328	DRD2	11	112,839,419	0.35	Add	0.78 (0.55-1.1)	1.64 (0.87-3.11)	1.99 (1.17-3.39)	6.02E-01	3.58E-01	9.95E-01
rs11030104	BDNF	11	27,641,093	0.19	Add	0.83 (0.52-1.34)	1.73 (1-2.99)	1.73 (0.87-3.43)	6.01E-01	6.38E-01	9.95E-01
rs2798949	HTR1B	6	78,246,853	0.34	Add	1.31 (0.82-2.07)	1.73 (0.89-3.38)	1.81 (1.12-2.93)	2.65E-01	3.27E-01	9.96E-01
rs12527054	HTR1B	6	78,220,647	0.07	Add	0.65 (0.33-1.26)	1.76 (1.09-2.84)	2.04 (0.57-7.25)	8.28E-01	4.11E-01	9.96E-01
rs3773678	DRD3	3	115,352,768	0.15	Add	1.17 (0.77-1.77)	1.78 (1.05-3.01)	1.71 (0.82-3.55)	9.25E-01	7.69E-01	9.96E-01
rs356203	SNCA	4	90,885,064	0.38	Dom	1.11 (0.7-1.77)	1.21 (0.58-2.54)	2.2 (1.25-3.88)	2.10E-01	3.76E-01	9.96E-01
rs242944	CRHR1	17	41,278,960	0.43	Add	1.1 (0.8-1.51)	2.47 (1.19-5.14)	1.7 (1.07-2.68)	2.44E-01	4.49E-01	9.96E-01
rs12173930	HTR1B	6	78,243,153	0.13	Dom	1.24 (0.75-2.06)	1.83 (1.08-3.09)	1.6 (0.66-3.85)	7.99E-01	7.02E-01	9.96E-01
rs9818792	NCK1	3	138,072,010	0.31	Add	0.98 (0.69-1.4)	1.46 (0.78-2.74)	1.95 (1.15-3.3)	4.29E-01	7.29E-01	9.96E-01
rs1343491	HTR1B	6	78,247,981	0.08	Dom	0.76 (0.4-1.42)	1.85 (1.13-3.02)	1.26 (0.39-4.03)	5.48E-01	5.60E-01	9.96E-01
rs456082	SLC6A3	5	1,483,515	0.19	Dom	0.73 (0.45-1.19)	1.71 (0.99-2.94)	1.65 (0.73-3.76)	9.51E-01	4.34E-01	9.96E-01
rs887200	COMT	22	18,343,666	0.13	Add	1.32 (0.82-2.11)	2.12 (1.23-3.65)	1.33 (0.59-2.99)	3.31E-01	3.22E-01	9.96E-01
rs1433318	NCK1	3	138,149,144	0.31	Dom	0.94 (0.6-1.47)	1.45 (0.75-2.78)	2.11 (1.13-3.92)	4.13E-01	7.02E-01	9.96E-01
rs10935210	NCK1	3	138,133,843	0.31	Dom	0.94 (0.6-1.47)	1.45 (0.75-2.78)	2.11 (1.13-3.92)	4.13E-01	7.02E-01	9.96E-01
rs2734833	DRD2	11	112,798,130	0.42	Dom	0.84 (0.52-1.35)	2.34 (1.08-5.08)	1.45 (0.82-2.57)	3.34E-01	4.21E-01	9.96E-01
rs2266999	GNAZ	22	21,781,775	0.28	Add	1.23 (0.87-1.72)	1.67 (0.92-3.04)	1.76 (1.03-3.03)	8.83E-01	4.74E-01	9.96E-01
rs9845460	NCK1	3	138,069,807	0.24	Add	0.97 (0.66-1.42)	1.5 (0.85-2.67)	2.09 (1.14-3.84)	3.97E-01	6.89E-01	9.96E-01
rs9837990	NCK1	3	138,115,626	0.39	Add	0.88 (0.55-1.39)	1.44 (0.73-2.83)	1.87 (1.16-3)	3.83E-01	6.08E-01	9.96E-01
rs965808	GNAS	20	56,841,821	0.24	Add	0.77 (0.53-1.13)	1.86 (1.06-3.28)	1.67 (0.9-3.1)	7.86E-01	3.60E-01	9.96E-01
rs915172	EPB41L2	6	131,226,463	0.31	Dom	1.1 (0.7-1.73)	2.45 (1.25-4.79)	1.32 (0.72-2.43)	1.82E-01	3.95E-01	9.96E-01
rs3810614	GNAZ	22	21,767,271	0.29	Add	1.17 (0.82-1.66)	1.61 (0.87-3.01)	1.94 (1.12-3.38)	6.10E-01	5.40E-01	9.96E-01
rs1369299	GRB2	17	70,858,920	0.19	Dom	0.85 (0.53-1.37)	1.56 (0.9-2.71)	2.17 (0.99-4.75)	5.03E-01	6.64E-01	9.96E-01
rs4586205	DRD2	11	112,812,339	0.25	Dom	1.25 (0.79-1.97)	1.87 (1.01-3.46)	1.68 (0.86-3.26)	8.13E-01	6.23E-01	9.96E-01
rs11772714	DDC	7	50,510,337	0.20	Add	1.08 (0.73-1.61)	2.1 (1.21-3.66)	1.35 (0.7-2.6)	2.79E-01	5.38E-01	9.96E-01
rs2471851	DRD2	11	112,806,279	0.18	Add	0.79 (0.52-1.21)	1.87 (1.1-3.19)	1.61 (0.77-3.35)	7.27E-01	4.72E-01	9.96E-01
rs6015389	GNAS	20	56,860,121	0.36	Dom	0.74 (0.47-1.17)	2.19 (1.1-4.38)	1.44 (0.79-2.64)	3.72E-01	2.70E-01	9.96E-01
rs4789176	GRB2	17	70,864,463	0.19	Dom	0.85 (0.53-1.37)	1.56 (0.9-2.71)	2.17 (0.99-4.75)	5.03E-01	6.64E-01	9.97E-01
rs6128461	GNAS	20	56,910,485	0.39	Add	1.03 (0.74-1.42)	1.44 (0.73-2.82)	1.86 (1.15-3)	4.43E-01	7.11E-01	9.97E-01
rs11575453	DDC	7	50,515,359	0.08	Dom	0.9 (0.48-1.68)	1.57 (0.96-2.55)	3.14 (0.96-10.26)	2.87E-01	5.47E-01	9.97E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2145288	GNAS	20	56,877,604	0.28	Add	0.75 (0.51-1.09)	1.57 (0.88-2.83)	1.98 (1.1-3.58)	5.50E-01	2.85E-01	9.97E-01
rs6775389	NCK1	3	138,142,414	0.31	Dom	0.93 (0.59-1.46)	1.45 (0.75-2.79)	2.08 (1.12-3.88)	4.27E-01	7.11E-01	9.97E-01
rs1865149	NCK1	3	138,078,300	0.31	Dom	0.93 (0.59-1.46)	1.45 (0.75-2.79)	2.08 (1.12-3.88)	4.27E-01	7.11E-01	9.97E-01
rs9846691	NCK1	3	138,088,961	0.31	Dom	0.93 (0.59-1.46)	1.45 (0.75-2.79)	2.08 (1.12-3.88)	4.27E-01	7.11E-01	9.97E-01
rs4678274	NCK1	3	138,121,927	0.31	Dom	0.93 (0.59-1.46)	1.45 (0.75-2.79)	2.08 (1.12-3.88)	4.27E-01	7.11E-01	9.97E-01
rs938525	NCK1	3	138,064,643	0.31	Dom	0.93 (0.59-1.46)	1.45 (0.75-2.79)	2.08 (1.12-3.88)	4.27E-01	7.11E-01	9.97E-01
rs12330283	NCK1	3	138,073,101	0.31	Dom	0.93 (0.59-1.46)	1.45 (0.75-2.79)	2.08 (1.12-3.88)	4.27E-01	7.11E-01	9.97E-01
rs514980	OPRM1	6	154,409,860	0.22	Add	1.28 (0.87-1.86)	1.59 (0.9-2.83)	1.99 (1.09-3.64)	5.62E-01	3.68E-01	9.97E-01
rs7131056	DRD2	11	112,834,984	0.45	Add	1.09 (0.8-1.5)	2.47 (1.17-5.23)	1.71 (1.09-2.7)	2.65E-01	5.00E-01	9.97E-01
rs1076560	ANKK1	11	112,788,898	0.18	Add	0.81 (0.53-1.23)	1.85 (1.08-3.15)	1.66 (0.8-3.44)	8.09E-01	5.36E-01	9.97E-01
rs6350	SLC6A3	5	1,496,199	0.06	Add	0.67 (0.31-1.43)	1.65 (1.03-2.65)	3.16 (0.72-13.94)	4.13E-01	4.48E-01	9.97E-01
rs6026593	GNAS	20	56,912,528	0.11	Add	0.67 (0.39-1.14)	1.77 (1.08-2.91)	1.51 (0.57-4.02)	7.76E-01	2.95E-01	9.97E-01
rs7786398	DDC	7	50,580,400	0.45	Dom	1.3 (0.77-2.19)	2.37 (0.94-5.96)	1.62 (0.96-2.73)	4.83E-01	5.33E-01	9.97E-01
rs1858746	GNAZ	22	21,763,804	0.28	Add	1.21 (0.85-1.72)	1.77 (0.95-3.32)	1.75 (1-3.05)	9.70E-01	5.77E-01	9.97E-01
rs8137828	COMT	22	18,303,406	0.49	Dom	0.92 (0.67-1.26)	1.74 (0.75-4.06)	1.76 (1.03-2.99)	5.59E-01	7.05E-01	9.97E-01
rs4947535	DDC	7	50,499,175	0.28	Dom	0.91 (0.58-1.43)	2.08 (1.12-3.86)	1.47 (0.76-2.84)	4.48E-01	6.62E-01	9.97E-01
rs1799978	DRD2	11	112,851,561	0.06	Dom	1.5 (0.77-2.9)	1.88 (1.16-3.07)	1.31 (0.38-4.49)	5.91E-01	4.17E-01	9.97E-01
rs10743149	TH	11	2,150,751	0.14	Dom	0.83 (0.5-1.38)	1.85 (1.1-3.11)	1.57 (0.64-3.83)	7.54E-01	7.00E-01	9.97E-01
rs151331	GNAS	20	56,925,899	0.30	Add	1.09 (0.76-1.55)	1.33 (0.72-2.47)	2.09 (1.21-3.61)	2.20E-01	3.84E-01	9.97E-01
rs11238131	DDC	7	50,506,083	0.28	Dom	0.9 (0.58-1.41)	2.07 (1.11-3.83)	1.49 (0.77-2.87)	4.73E-01	6.71E-01	9.97E-01
rs10002435	SNCA	4	90,931,534	0.11	Dom	1.25 (0.72-2.17)	1.58 (0.95-2.62)	2.8 (1.05-7.49)	3.09E-01	4.51E-01	9.97E-01
rs2652510	SLC6A3	5	1,500,860	0.40	Add	1.14 (0.83-1.58)	2.46 (1.21-5)	1.67 (1.04-2.66)	2.37E-01	3.85E-01	9.97E-01
rs7867364	FREQ (NCS1)	9	132,040,103	0.17	Dom	0.94 (0.57-1.54)	2.21 (1.29-3.79)	1 (0.43-2.32)	1.21E-01	2.62E-01	9.97E-01
rs234623	GNAS	20	56,922,359	0.48	Dom	1.38 (0.8-2.39)	2.59 (0.96-6.98)	1.6 (0.96-2.66)	3.94E-01	4.03E-01	9.97E-01
rs9788657	CHRNA7	15	30,182,318	0.20	Add	0.77 (0.51-1.17)	1.8 (1.04-3.11)	1.59 (0.8-3.15)	7.69E-01	4.21E-01	9.97E-01
rs8030315	CHRNA7	15	30,184,411	0.20	Add	0.77 (0.51-1.17)	1.8 (1.04-3.11)	1.59 (0.8-3.15)	7.69E-01	4.21E-01	9.97E-01
rs6026561	GNAS	20	56,860,527	0.36	Dom	0.76 (0.48-1.2)	2.23 (1.12-4.45)	1.45 (0.79-2.64)	3.52E-01	2.98E-01	9.97E-01
rs4987059	DRD4	11	626,433	0.05	Add	1.22 (0.59-2.52)	1.68 (1.04-2.7)	2.57 (0.63-10.45)	5.73E-01	7.04E-01	9.97E-01
rs4947644	DDC	7	50,586,370	0.50	Dom	1.06 (0.61-1.82)	2.99 (1.12-7.97)	1.5 (0.9-2.51)	2.22E-01	4.60E-01	9.97E-01
rs2343662	NCK1	3	138,083,736	0.31	Dom	0.92 (0.59-1.44)	1.46 (0.76-2.81)	2.07 (1.11-3.84)	4.49E-01	7.24E-01	9.97E-01
rs868437	CHRNA7	15	30,111,569	0.29	Dom	1.12 (0.71-1.74)	1.67 (0.89-3.13)	1.87 (0.98-3.57)	8.10E-01	8.52E-01	9.97E-01
rs10033209	SNCA	4	90,872,727	0.08	Add	1.18 (0.69-2.02)	1.58 (0.97-2.57)	2.83 (1.04-7.67)	2.83E-01	5.09E-01	9.97E-01
rs2301134	SNCA	4	90,977,968	0.49	Dom	0.95 (0.56-1.59)	1.03 (0.42-2.51)	2.09 (1.24-3.53)	1.76E-01	4.03E-01	9.97E-01
rs7118900	ANKK1	11	112,772,031	0.20	Dom	0.88 (0.59-1.31)	2.1 (1.2-3.68)	1.24 (0.58-2.65)	2.88E-01	4.09E-01	9.97E-01
rs3773679	DRD3	3	115,352,025	0.39	Add	0.85 (0.54-1.35)	1.63 (0.83-3.2)	1.8 (1.11-2.9)	5.38E-01	6.86E-01	9.97E-01
rs7164518	CHRNA7	15	30,249,900	0.17	Dom	0.82 (0.5-1.36)	1.65 (0.96-2.83)	1.82 (0.78-4.28)	8.45E-01	7.42E-01	9.97E-01
rs4810148	GNAS	20	56,881,306	0.34	Dom	1.15 (0.73-1.81)	1.31 (0.65-2.65)	2.18 (1.21-3.92)	2.81E-01	4.28E-01	9.97E-01
rs9306383	GNAZ	22	21,751,058	0.43	Dom	0.77 (0.48-1.23)	1.49 (0.7-3.18)	2.02 (1.14-3.58)	5.29E-01	4.92E-01	9.97E-01
rs1876829	CRHR1	17	41,267,224	0.21	Add	1.24 (0.82-1.87)	1.63 (0.89-2.99)	1.95 (1.01-3.76)	6.68E-01	5.43E-01	9.98E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs3827315	GNAZ	22	21,752,890	0.29	Add	1.2 (0.86-1.68)	1.65 (0.9-3.02)	1.87 (1.1-3.18)	7.17E-01	4.99E-01	9.98E-01
rs8027814	CHRNA7	15	30,137,964	0.29	Dom	1.1 (0.71-1.72)	1.69 (0.9-3.18)	1.83 (0.96-3.49)	8.71E-01	8.91E-01	9.98E-01
rs409588	SLC6A3	5	1,483,834	0.19	Dom	0.75 (0.46-1.22)	1.78 (1.04-3.05)	1.75 (0.77-3.95)	9.73E-01	4.91E-01	9.98E-01
rs8035668	CHRNA7	15	30,178,638	0.20	Add	0.78 (0.51-1.17)	1.81 (1.05-3.14)	1.58 (0.8-3.14)	7.44E-01	4.31E-01	9.98E-01
rs739362	GNAZ	22	21,774,067	0.28	Add	1.2 (0.84-1.7)	1.75 (0.95-3.25)	1.85 (1.06-3.23)	8.85E-01	5.68E-01	9.98E-01
rs904952	CHRNA7	15	30,206,037	0.48	Add	0.89 (0.54-1.46)	1.26 (0.6-2.65)	1.82 (1.15-2.87)	1.32E-01	3.00E-01	9.98E-01
rs13054985	GNAZ	22	21,788,577	0.45	Dom	0.9 (0.56-1.45)	1.39 (0.63-3.1)	1.96 (1.14-3.39)	4.89E-01	7.35E-01	9.98E-01
rs4820537	GNAZ	22	21,794,810	0.47	Add	0.99 (0.73-1.35)	1.78 (0.86-3.71)	1.76 (1.12-2.76)	9.65E-01	9.98E-01	9.98E-01
rs6589377	DRD2	11	112,860,946	0.35	Add	0.8 (0.56-1.13)	1.6 (0.85-3.03)	1.93 (1.14-3.26)	6.10E-01	4.34E-01	9.98E-01
rs1470750	DDC	7	50,544,142	0.42	Dom	0.8 (0.5-1.28)	2.23 (1.04-4.78)	1.55 (0.88-2.7)	4.51E-01	4.48E-01	9.98E-01
rs7934165	BDNF	11	27,688,559	0.46	Add	1.12 (0.81-1.55)	1.75 (0.81-3.8)	1.77 (1.12-2.77)	9.80E-01	7.91E-01	9.98E-01
rs3122153	HCRTR2	6	55,184,612	0.22	Add	0.79 (0.53-1.17)	1.5 (0.87-2.58)	2.26 (1.16-4.41)	3.14E-01	3.13E-01	9.98E-01
rs10891556	DRD2	11	112,857,971	0.17	Dom	1.24 (0.81-1.89)	1.6 (0.92-2.78)	2.12 (0.97-4.63)	4.34E-01	3.82E-01	9.98E-01
rs1124491	ANKK1	11	112,787,300	0.18	Add	0.79 (0.52-1.21)	1.89 (1.11-3.23)	1.58 (0.76-3.28)	6.78E-01	4.51E-01	9.98E-01
rs11214601	ANKK1	11	112,777,972	0.18	Add	0.79 (0.52-1.21)	1.89 (1.11-3.23)	1.58 (0.76-3.28)	6.78E-01	4.51E-01	9.98E-01
rs4245148	DRD2	11	112,825,629	0.10	Add	1.08 (0.64-1.8)	1.98 (1.19-3.29)	1.15 (0.46-2.9)	2.97E-01	5.29E-01	9.98E-01
rs5759593	GNAZ	22	21,794,457	0.41	Dom	0.91 (0.58-1.44)	1.65 (0.8-3.4)	1.85 (1.04-3.28)	8.11E-01	9.09E-01	9.98E-01
rs12625436	GNAS	20	56,878,608	0.39	Add	1.18 (0.84-1.65)	1.37 (0.68-2.74)	1.88 (1.17-3.03)	3.53E-01	3.45E-01	9.98E-01
rs4936270	DRD2	11	112,823,618	0.10	Add	1.11 (0.66-1.85)	2.01 (1.21-3.32)	1.1 (0.44-2.77)	2.49E-01	4.42E-01	9.98E-01
rs7175359	CHRNA7	15	30,212,239	0.48	Dom	0.88 (0.54-1.45)	1.02 (0.44-2.37)	2.19 (1.28-3.75)	1.37E-01	3.06E-01	9.98E-01
rs4274224	DRD2	11	112,824,662	0.45	Dom	1 (0.61-1.63)	2.82 (1.22-6.51)	1.42 (0.83-2.43)	1.77E-01	3.90E-01	9.98E-01
rs2737029	SNCA	4	90,930,793	0.40	Dom	1.21 (0.76-1.94)	1.36 (0.63-2.96)	2.04 (1.17-3.55)	4.10E-01	4.66E-01	9.98E-01
rs3777438	EPB41L2	6	131,241,795	0.16	Add	0.89 (0.58-1.37)	2.01 (1.18-3.43)	1.31 (0.62-2.75)	3.28E-01	5.24E-01	9.98E-01
rs12419948	BDNF	11	27,623,560	0.18	Add	0.87 (0.58-1.33)	1.7 (0.99-2.92)	1.84 (0.92-3.69)	8.49E-01	7.98E-01	9.98E-01
rs613341	OPRM1	6	154,484,971	0.10	Add	1.14 (0.68-1.92)	2.02 (1.22-3.35)	1.07 (0.42-2.72)	2.30E-01	4.25E-01	9.98E-01
rs3822090	SNCA	4	90,923,899	0.13	Dom	1.1 (0.65-1.88)	1.55 (0.93-2.59)	2.75 (1.07-7.02)	2.95E-01	5.34E-01	9.98E-01
rs9396056	HCRTR2	6	55,141,716	0.39	Dom	0.93 (0.58-1.48)	2.72 (1.29-5.71)	1.34 (0.76-2.37)	1.41E-01	2.91E-01	9.98E-01
rs754672	ANKK1	11	112,754,346	0.49	Dom	0.93 (0.56-1.55)	2.83 (1.14-7)	1.47 (0.87-2.48)	2.20E-01	4.04E-01	9.98E-01
rs4587762	DRD2	11	112,812,103	0.43	Dom	0.86 (0.54-1.38)	2.38 (1.09-5.17)	1.48 (0.85-2.59)	3.35E-01	4.57E-01	9.98E-01
rs3777466	EPB41L2	6	131,309,919	0.46	Add	1.04 (0.77-1.41)	1.8 (0.87-3.72)	1.75 (1.11-2.75)	9.25E-01	9.60E-01	9.98E-01
rs165599	COMT	22	18,336,781	0.32	Add	1.16 (0.83-1.62)	2.41 (1.24-4.66)	1.59 (0.96-2.63)	2.29E-01	3.33E-01	9.98E-01
rs4792887	CRHR1	17	41,232,791	0.12	Add	1.16 (0.71-1.9)	1.75 (1.05-2.9)	1.72 (0.7-4.21)	9.80E-01	8.33E-01	9.98E-01
rs4074461	CRHR1	17	41,210,922	0.46	Add	1.11 (0.8-1.52)	2.4 (1.13-5.13)	1.76 (1.12-2.77)	3.41E-01	5.61E-01	9.98E-01
rs242939	CRHR1	17	41,251,360	0.09	Add	1.18 (0.67-2.1)	1.81 (1.11-2.95)	1.41 (0.48-4.12)	6.71E-01	8.23E-01	9.98E-01
rs1800497	ANKK1	11	112,776,038	0.22	Dom	0.86 (0.53-1.39)	2.09 (1.15-3.8)	1.37 (0.64-2.94)	3.96E-01	5.27E-01	9.98E-01
rs2519148	DBH	9	135,484,387	0.50	Add	1.29 (0.93-1.77)	1.84 (0.81-4.19)	1.83 (1.16-2.89)	9.78E-01	3.01E-01	9.98E-01
rs11771818	DDC	7	50,509,669	0.12	Dom	0.86 (0.5-1.46)	1.79 (1.07-2.98)	1.63 (0.64-4.19)	8.69E-01	8.29E-01	9.98E-01
rs157194	EPB41	1	29,108,306	0.12	Dom	0.99 (0.57-1.73)	1.67 (1.01-2.77)	2.14 (0.77-5.9)	6.71E-01	9.10E-01	9.99E-01
rs11564764	SLC6A3	5	1,458,806	0.05	Add	0.76 (0.33-1.76)	1.64 (1.03-2.63)	3.84 (0.72-20.38)	3.36E-01	5.73E-01	9.99E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs10499695	DDC	7	50,586,098	0.49	Dom	1.14 (0.66-1.95)	2.87 (1.08-7.6)	1.52 (0.91-2.55)	2.60E-01	5.06E-01	9.99E-01
rs3788341	GNAZ	22	21,747,758	0.47	Dom	1.09 (0.66-1.81)	2.38 (0.98-5.74)	1.58 (0.94-2.68)	4.38E-01	7.20E-01	9.99E-01
rs4779969	CHRNA7	15	30,136,223	0.05	Dom	0.65 (0.28-1.5)	1.65 (1.03-2.64)	2.89 (0.58-14.39)	5.14E-01	4.67E-01	9.99E-01
rs3842748	TH	11	2,137,971	0.22	Dom	1.03 (0.64-1.65)	1.51 (0.83-2.73)	2.32 (1.09-4.94)	3.79E-01	6.59E-01	9.99E-01
rs9612237	GNAZ	22	21,802,954	0.44	Dom	0.85 (0.53-1.37)	1.33 (0.62-2.84)	2.04 (1.16-3.58)	3.73E-01	5.71E-01	9.99E-01
rs4779565	CHRNA7	15	30,177,362	0.42	Add	1.05 (0.77-1.44)	2.35 (1.15-4.78)	1.68 (1.06-2.66)	2.99E-01	5.71E-01	9.99E-01
rs3730168	GNAS	20	56,912,334	0.34	Add	0.8 (0.57-1.12)	1.69 (0.91-3.15)	1.78 (1.06-2.99)	8.89E-01	4.15E-01	9.99E-01
rs7290221	COMT	22	18,322,680	0.48	Dom	0.78 (0.48-1.27)	1.12 (0.49-2.56)	2.08 (1.21-3.56)	2.21E-01	3.34E-01	9.99E-01
rs7356228	SNCA	4	90,962,878	0.37	Dom	1.09 (0.69-1.73)	1.3 (0.62-2.72)	2.08 (1.18-3.67)	3.23E-01	5.52E-01	9.99E-01
rs2762686	EPB41	1	29,188,832	0.12	Dom	0.99 (0.57-1.73)	1.66 (1-2.75)	2.14 (0.78-5.9)	6.63E-01	9.07E-01	9.99E-01
rs4789170	GRB2	17	70,844,389	0.26	Dom	0.86 (0.55-1.35)	1.57 (0.85-2.89)	1.98 (1.01-3.88)	6.20E-01	7.36E-01	9.99E-01
rs760975	PRKCABP	22	36,797,730	0.39	Add	0.97 (0.7-1.34)	1.61 (0.81-3.19)	1.85 (1.15-2.98)	6.81E-01	9.08E-01	9.99E-01
rs13054331	GNAZ	22	21,737,063	0.24	Add	0.84 (0.58-1.23)	1.6 (0.91-2.81)	1.95 (1.05-3.6)	6.12E-01	6.06E-01	9.99E-01
rs356164	SNCA	4	90,912,499	0.16	Dom	0.96 (0.59-1.56)	2 (1.17-3.43)	1.29 (0.56-2.93)	3.79E-01	6.61E-01	9.99E-01
rs2653349	HCRTR2	6	55,250,296	0.19	Add	1.25 (0.85-1.84)	1.52 (0.87-2.65)	2.19 (1.15-4.16)	3.61E-01	3.45E-01	9.99E-01
rs7867693	FREQ (NCS1)	9	132,043,625	0.11	Dom	0.78 (0.44-1.36)	2 (1.21-3.32)	1.04 (0.38-2.87)	2.58E-01	3.15E-01	9.99E-01
rs4870266	OPRM1	6	154,410,691	0.07	Add	1.33 (0.71-2.5)	1.65 (1.02-2.69)	2.56 (0.79-8.32)	5.02E-01	4.99E-01	9.99E-01
rs9370403	HCRTR2	6	55,189,315	0.19	Add	1.08 (0.71-1.64)	1.95 (1.1-3.45)	1.65 (0.83-3.26)	6.94E-01	8.76E-01	9.99E-01
rs129915	DBH	9	135,514,739	0.29	Dom	1.37 (0.86-2.2)	1.57 (0.78-3.15)	1.89 (0.99-3.62)	7.04E-01	3.57E-01	9.99E-01
rs3822095	SNCA	4	90,955,540	0.37	Dom	1.1 (0.69-1.74)	1.31 (0.63-2.75)	2.08 (1.18-3.67)	3.34E-01	5.60E-01	9.99E-01
rs242942	CRHR1	17	41,247,413	0.13	Add	1.12 (0.69-1.8)	1.93 (1.15-3.23)	1.32 (0.57-3.05)	4.36E-01	7.00E-01	9.99E-01
rs11564753	SLC6A3	5	1,496,990	0.21	Add	0.79 (0.53-1.18)	1.84 (1.07-3.16)	1.64 (0.83-3.22)	7.73E-01	4.65E-01	9.99E-01
rs10902188	DRD4	11	644,043	0.09	Add	1.04 (0.59-1.84)	1.66 (1.01-2.72)	2.25 (0.78-6.53)	6.09E-01	8.48E-01	9.99E-01
rs1004446	TH	11	2,126,719	0.38	Add	1.17 (0.84-1.62)	1.96 (0.98-3.94)	1.72 (1.07-2.75)	6.97E-01	6.31E-01	9.99E-01
rs2057291	GNAS	20	56,905,438	0.37	Dom	1.07 (0.68-1.68)	1.53 (0.75-3.1)	1.92 (1.07-3.45)	6.29E-01	8.47E-01	9.99E-01
rs1323041	OPRM1	6	154,480,873	0.48	Dom	1.06 (0.64-1.77)	1.7 (0.71-4.05)	1.76 (1.04-2.97)	9.53E-01	9.70E-01	9.99E-01
rs606148	OPRM1	6	154,477,679	0.10	Add	1.13 (0.68-1.89)	2.01 (1.21-3.33)	1.12 (0.45-2.79)	2.65E-01	4.81E-01	9.99E-01
rs9612234	GNAZ	22	21,797,080	0.44	Dom	0.86 (0.54-1.38)	1.41 (0.65-3.04)	1.98 (1.13-3.45)	4.84E-01	6.78E-01	9.99E-01
rs9382460	HCRTR2	6	55,145,443	0.19	Dom	1.17 (0.73-1.88)	2.21 (1.25-3.9)	1.17 (0.55-2.48)	1.84E-01	3.52E-01	9.99E-01
rs10819610	FREQ (NCS1)	9	131,986,436	0.28	Add	0.94 (0.67-1.31)	2.35 (1.29-4.26)	1.4 (0.82-2.39)	1.34E-01	2.98E-01	9.99E-01
rs6026567	GNAS	20	56,878,310	0.41	Add	1.09 (0.79-1.51)	1.26 (0.63-2.53)	1.88 (1.18-3.01)	2.30E-01	3.80E-01	9.99E-01
rs4789182	GRB2	17	70,886,540	0.32	Dom	0.96 (0.61-1.5)	1.57 (0.81-3.04)	1.91 (1.03-3.54)	6.70E-01	9.04E-01	9.99E-01
rs607759	OPRM1	6	154,414,130	0.22	Add	1.22 (0.84-1.78)	1.56 (0.88-2.77)	2.02 (1.11-3.69)	4.99E-01	4.51E-01	9.99E-01
rs2653357	HCRTR2	6	55,264,698	0.38	Dom	0.95 (0.6-1.5)	1.6 (0.77-3.29)	1.85 (1.04-3.28)	7.56E-01	9.34E-01	9.99E-01
rs356165	SNCA	4	90,865,909	0.40	Dom	1.16 (0.7-1.91)	1.25 (0.55-2.84)	2.08 (1.16-3.71)	3.22E-01	4.79E-01	9.99E-01
rs16837840	EPB41	1	29,207,867	0.10	Dom	1.37 (0.79-2.38)	1.8 (1.09-3)	1.59 (0.59-4.28)	8.27E-01	5.33E-01	9.99E-01
rs12038347	EPB41	1	29,141,303	0.10	Dom	1.37 (0.79-2.38)	1.8 (1.09-3)	1.59 (0.59-4.28)	8.27E-01	5.33E-01	9.99E-01
rs1514246	CHRNA7	15	30,106,782	0.25	Add	1.15 (0.82-1.62)	1.88 (1.05-3.36)	1.79 (1.03-3.1)	8.93E-01	7.05E-01	9.99E-01
rs242924	CRHR1	17	41,241,147	0.44	Dom	0.89 (0.55-1.43)	1.55 (0.71-3.38)	1.88 (1.08-3.28)	6.91E-01	8.33E-01	9.99E-01

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs6494211	CHRNA7	15	30,164,880	0.34	Add	0.78 (0.5-1.22)	1.79 (0.96-3.34)	1.76 (1.05-2.94)	4.76E-01	3.98E-01	9.99E-01
rs11765748	DDC	7	50,583,110	0.49	Add	1.14 (0.82-1.57)	1.51 (0.68-3.35)	1.78 (1.13-2.79)	6.30E-01	6.09E-01	9.99E-01
rs3134705	HCRTR2	6	55,182,315	0.40	Dom	0.92 (0.67-1.26)	1.87 (0.9-3.88)	1.69 (0.95-2.99)	6.13E-01	7.82E-01	9.99E-01
rs9612225	GNAZ	22	21,736,619	0.25	Add	0.87 (0.6-1.27)	1.71 (0.96-3.04)	1.9 (1.03-3.48)	7.90E-01	7.54E-01	9.99E-01
rs165656	COMT	22	18,328,863	0.47	Add	1.03 (0.76-1.4)	1.55 (0.74-3.24)	1.81 (1.15-2.86)	6.19E-01	8.56E-01	9.99E-01
rs1544325	COMT	22	18,311,668	0.45	Dom	0.79 (0.49-1.28)	1.92 (0.87-4.21)	1.7 (0.98-2.95)	8.04E-01	6.03E-01	9.99E-01
rs9788679	CHRNA7	15	30,186,609	0.19	Add	0.81 (0.54-1.22)	1.84 (1.07-3.17)	1.55 (0.78-3.06)	6.78E-01	5.31E-01	9.99E-01
rs2653343	HCRTR2	6	55,241,285	0.19	Add	1.24 (0.84-1.82)	1.53 (0.88-2.67)	2.16 (1.14-4.11)	3.88E-01	3.83E-01	9.99E-01
rs6929837	HCRTR2	6	55,244,576	0.19	Add	1.24 (0.84-1.82)	1.53 (0.88-2.67)	2.16 (1.14-4.11)	3.88E-01	3.83E-01	1.00E-00
rs8033518	CHRNA7	15	30,168,901	0.05	Dom	0.68 (0.3-1.56)	1.67 (1.05-2.67)	2.68 (0.54-13.41)	5.80E-01	5.55E-01	1.00E-00
rs13148411	SNCA	4	90,969,745	0.27	Add	1.03 (0.71-1.49)	1.87 (1.03-3.39)	1.66 (0.94-2.95)	7.63E-01	9.51E-01	1.00E-00
rs2583981	SNCA	4	90,971,605	0.27	Add	1.03 (0.71-1.49)	1.87 (1.03-3.39)	1.66 (0.94-2.95)	7.63E-01	9.51E-01	1.00E-00
rs632395	OPRM1	6	154,478,944	0.10	Add	1.1 (0.66-1.82)	1.98 (1.19-3.28)	1.18 (0.48-2.91)	3.18E-01	5.63E-01	1.00E-00
rs10457561	EPB41L2	6	131,223,025	0.16	Dom	1.08 (0.66-1.77)	1.72 (1.01-2.95)	1.86 (0.82-4.22)	8.83E-01	9.34E-01	1.00E-00
rs1800900	GNAS	20	56,848,505	0.39	Add	0.79 (0.57-1.11)	1.84 (0.92-3.68)	1.76 (1.07-2.89)	8.91E-01	3.75E-01	1.00E-00
rs9479757	OPRM1	6	154,453,037	0.10	Add	1.05 (0.63-1.76)	1.97 (1.19-3.27)	1.17 (0.47-2.93)	3.17E-01	5.85E-01	1.00E-00
rs1004764	PRKCABP	22	36,804,798	0.39	Dom	0.97 (0.61-1.53)	1.86 (0.88-3.94)	1.68 (0.95-2.96)	8.29E-01	9.61E-01	1.00E-00
rs642489	OPRM1	6	154,484,368	0.24	Add	0.92 (0.64-1.33)	2.1 (1.19-3.71)	1.45 (0.8-2.63)	3.21E-01	5.01E-01	1.00E-00
rs609148	OPRM1	6	154,472,707	0.24	Add	0.92 (0.64-1.33)	2.1 (1.19-3.71)	1.45 (0.8-2.63)	3.21E-01	5.01E-01	1.00E-00
rs1413755	EPB41L2	6	131,195,892	0.37	Add	0.83 (0.6-1.15)	1.61 (0.85-3.05)	1.82 (1.11-2.99)	7.11E-01	5.08E-01	1.00E-00
rs2175886	CHRNA7	15	30,143,239	0.47	Add	0.87 (0.64-1.17)	1.36 (0.67-2.75)	1.81 (1.14-2.86)	3.63E-01	4.58E-01	1.00E-00
rs6518592	COMT	22	18,307,146	0.45	Add	0.9 (0.65-1.23)	1.96 (0.96-4)	1.75 (1.1-2.76)	7.23E-01	7.19E-01	1.00E-00
rs504932	OPRM1	6	154,472,161	0.25	Add	0.92 (0.64-1.32)	2.09 (1.19-3.69)	1.45 (0.8-2.63)	3.27E-01	5.04E-01	1.00E-00
rs6064714	GNAS	20	56,847,535	0.15	Dom	0.87 (0.52-1.45)	1.68 (1-2.83)	2.04 (0.82-5.1)	7.21E-01	8.28E-01	1.00E-00
rs9321260	EPB41L2	6	131,305,235	0.19	Dom	1.11 (0.69-1.77)	2.1 (1.2-3.68)	1.24 (0.58-2.65)	2.72E-01	5.25E-01	1.00E-00
rs129883	DBH	9	135,514,632	0.36	Add	0.97 (0.68-1.38)	1.45 (0.74-2.84)	1.91 (1.16-3.16)	4.48E-01	7.48E-01	1.00E-00
rs11043001	TH	11	2,159,621	0.15	Add	1.07 (0.69-1.65)	1.95 (1.15-3.32)	1.42 (0.67-3.01)	4.81E-01	7.54E-01	1.00E-00
rs557748	OPRM1	6	154,405,995	0.22	Add	1.21 (0.83-1.76)	1.6 (0.9-2.83)	2.03 (1.11-3.7)	5.28E-01	4.93E-01	1.00E-00
rs477292	OPRM1	6	154,405,080	0.22	Add	1.21 (0.83-1.76)	1.6 (0.9-2.83)	2.03 (1.11-3.7)	5.28E-01	4.93E-01	1.00E-00
rs8125112	GNAS	20	56,864,560	0.16	Add	1.14 (0.74-1.74)	1.48 (0.87-2.53)	2.17 (1.02-4.61)	3.88E-01	5.14E-01	1.00E-00
rs10040882	SLC6A3	5	1,471,558	0.23	Add	1.08 (0.74-1.56)	1.7 (0.96-3.02)	1.8 (0.99-3.29)	8.85E-01	9.03E-01	1.00E-00
rs11042978	TH	11	2,154,994	0.48	Add	0.89 (0.65-1.22)	2.19 (1.02-4.67)	1.73 (1.1-2.72)	4.77E-01	5.55E-01	1.00E-00
rs9282821	OPRM1	6	154,456,068	0.43	Add	0.85 (0.62-1.17)	2.01 (1.01-4)	1.73 (1.08-2.75)	6.44E-01	5.27E-01	1.00E-00
rs623956	OPRM1	6	154,471,718	0.25	Add	0.95 (0.65-1.38)	2.07 (1.14-3.73)	1.34 (0.73-2.48)	2.71E-01	4.83E-01	1.00E-00
rs9912608	GRB2	17	70,848,626	0.26	Dom	0.87 (0.56-1.36)	1.62 (0.88-2.97)	1.94 (0.99-3.81)	6.94E-01	7.83E-01	1.00E-00
rs4633	COMT	22	18,330,235	0.47	Dom	0.91 (0.56-1.47)	1.25 (0.56-2.77)	2.04 (1.18-3.52)	3.16E-01	5.89E-01	1.00E-00
rs3778155	OPRM1	6	154,445,511	0.17	Add	1.19 (0.77-1.85)	2.05 (1.14-3.66)	1.45 (0.71-2.97)	4.39E-01	5.45E-01	1.00E-00
rs4779563	CHRNA7	15	30,124,529	0.25	Add	1.07 (0.75-1.53)	2.13 (1.19-3.83)	1.46 (0.83-2.59)	3.05E-01	5.67E-01	1.00E-00
rs928592	EPB41L2	6	131,219,792	0.29	Dom	1.05 (0.67-1.64)	2.28 (1.2-4.34)	1.35 (0.72-2.55)	2.56E-01	5.22E-01	1.00E-00

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs589046	OPRM1	6	154,434,831	0.26	Add	1.06 (0.74-1.51)	1.44 (0.8-2.59)	2.11 (1.2-3.72)	2.96E-01	5.40E-01	1.00E-00
rs129884	DBH	9	135,514,907	0.16	Add	0.92 (0.59-1.43)	1.59 (0.93-2.71)	2.15 (1.01-4.58)	5.09E-01	7.73E-01	1.00E-00
rs3807552	DDC	7	50,578,236	0.19	Add	1.09 (0.7-1.7)	1.85 (1.03-3.34)	1.25 (0.61-2.58)	3.90E-01	6.74E-01	1.00E-00
rs917690	FREQ (NCS1)	9	131,974,002	0.11	Add	0.94 (0.54-1.62)	1.52 (0.91-2.55)	3.26 (1.2-8.83)	1.73E-01	3.64E-01	1.00E-00
rs495491	OPRM1	6	154,424,235	0.26	Add	0.99 (0.69-1.42)	1.43 (0.8-2.55)	2.13 (1.2-3.77)	2.74E-01	5.46E-01	1.00E-00
rs12378342	FREQ (NCS1)	9	131,970,164	0.08	Add	0.98 (0.52-1.85)	1.73 (1.07-2.81)	1.94 (0.59-6.45)	8.59E-01	9.84E-01	1.00E-00
rs10456702	HCRTR2	6	55,261,975	0.45	Dom	0.93 (0.58-1.52)	1.09 (0.49-2.42)	2.18 (1.26-3.77)	1.58E-01	3.68E-01	1.00E-00
rs7175581	CHRNA7	15	30,172,759	0.43	Add	0.94 (0.68-1.3)	1.42 (0.7-2.88)	1.85 (1.16-2.96)	4.31E-01	7.04E-01	1.00E-00
rs510769	OPRM1	6	154,403,712	0.26	Add	1.02 (0.71-1.46)	1.43 (0.8-2.56)	2.14 (1.21-3.79)	2.76E-01	5.40E-01	1.00E-00
rs27074	SLC6A3	5	1,436,550	0.11	Add	0.83 (0.49-1.4)	1.87 (1.13-3.1)	1.34 (0.51-3.49)	5.40E-01	6.03E-01	1.00E-00
rs9322447	OPRM1	6	154,466,013	0.48	Add	0.95 (0.69-1.31)	1.7 (0.8-3.59)	1.77 (1.13-2.78)	8.96E-01	9.50E-01	1.00E-00
rs6975	EPB41L2	6	131,197,795	0.26	Dom	1.28 (0.82-2.01)	1.97 (1.05-3.7)	1.57 (0.82-3.01)	6.22E-01	5.14E-01	1.00E-00
rs4646312	COMT	22	18,328,337	0.37	Dom	1.13 (0.72-1.77)	1.52 (0.74-3.09)	1.97 (1.1-3.53)	5.74E-01	7.14E-01	1.00E-00
rs11564767	SLC6A3	5	1,457,704	0.06	Dom	0.75 (0.36-1.59)	1.71 (1.07-2.75)	2.42 (0.56-10.39)	6.58E-01	7.25E-01	1.00E-00
rs9357853	HCRTR2	6	55,213,660	0.26	Add	0.82 (0.56-1.19)	1.48 (0.83-2.63)	2.13 (1.16-3.93)	3.50E-01	4.06E-01	1.00E-00
rs648893	OPRM1	6	154,480,321	0.24	Add	0.93 (0.65-1.34)	2.06 (1.17-3.63)	1.42 (0.78-2.58)	3.26E-01	5.29E-01	1.00E-00
rs7775745	HCRTR2	6	55,158,466	0.45	Add	1.24 (0.88-1.73)	2.29 (1.03-5.08)	1.75 (1.11-2.75)	4.37E-01	3.73E-01	1.00E-00
rs5756908	PRKCABP	22	36,806,525	0.48	Dom	1.21 (0.72-2.03)	1.71 (0.69-4.2)	1.78 (1.06-2.99)	9.37E-01	7.50E-01	1.00E-00
rs2975226	SLC6A3	5	1,498,616	0.39	Add	1.1 (0.79-1.54)	2 (0.98-4.08)	1.49 (0.91-2.42)	3.77E-01	5.80E-01	1.00E-00
rs10438342	CHRNA7	15	30,189,338	0.38	Add	1 (0.73-1.37)	2.34 (1.18-4.62)	1.62 (1.01-2.59)	2.55E-01	5.22E-01	1.00E-00
rs2839942	EPB41L2	6	131,250,191	0.31	Dom	1.22 (0.78-1.91)	1.9 (0.98-3.7)	1.64 (0.88-3.05)	7.47E-01	6.73E-01	1.00E-00
rs887199	COMT	22	18,341,955	0.15	Dom	1.12 (0.72-1.75)	1.9 (1.11-3.24)	1.45 (0.62-3.36)	5.87E-01	7.53E-01	1.00E-00
rs234621	GNAS	20	56,923,643	0.29	Add	1.03 (0.72-1.46)	1.44 (0.78-2.66)	2.02 (1.17-3.49)	3.64E-01	6.42E-01	1.00E-00
rs2007153	DBH	9	135,493,640	0.34	Add	0.94 (0.67-1.32)	2.34 (1.21-4.5)	1.53 (0.93-2.53)	2.26E-01	4.37E-01	1.00E-00
rs2652511	SLC6A3	5	1,499,389	0.39	Add	1.1 (0.79-1.53)	2.11 (1.05-4.23)	1.67 (1.04-2.68)	4.84E-01	6.77E-01	1.00E-00
rs12206057	EPB41L2	6	131,254,210	0.17	Add	0.93 (0.61-1.43)	1.98 (1.16-3.36)	1.39 (0.68-2.87)	4.20E-01	6.82E-01	1.00E-00
rs4975646	SLC6A3	5	1,486,401	0.36	Add	0.92 (0.65-1.3)	1.63 (0.84-3.18)	1.82 (1.11-2.99)	7.63E-01	8.62E-01	1.00E-00
rs1076153	DBH	9	135,487,964	0.20	Dom	1.05 (0.66-1.69)	1.52 (0.87-2.66)	2.42 (1.11-5.28)	3.40E-01	5.85E-01	1.00E-00
rs150089	EPB41	1	29,131,901	0.32	Add	1.04 (0.74-1.46)	1.83 (0.98-3.43)	1.71 (1.02-2.85)	8.41E-01	9.59E-01	1.00E-00
rs40184	SLC6A3	5	1,448,077	0.46	Add	1.09 (0.8-1.49)	2.24 (1.04-4.85)	1.8 (1.14-2.84)	4.98E-01	7.26E-01	1.00E-00
rs458334	SLC6A3	5	1,483,093	0.42	Add	0.85 (0.62-1.19)	1.71 (0.85-3.45)	1.77 (1.11-2.83)	9.18E-01	6.40E-01	1.00E-00
rs2075572	OPRM1	6	154,453,697	0.44	Dom	0.91 (0.56-1.46)	1.78 (0.81-3.88)	1.76 (1.02-3.06)	9.87E-01	9.22E-01	1.00E-00
rs157213	EPB41	1	29,126,858	0.12	Dom	1 (0.57-1.74)	1.62 (0.98-2.69)	2.15 (0.78-5.93)	6.28E-01	8.83E-01	1.00E-00
rs3122148	HCRTR2	6	55,173,948	0.20	Add	0.82 (0.55-1.22)	1.53 (0.89-2.62)	2.2 (1.11-4.33)	3.77E-01	4.38E-01	1.00E-00
rs3778158	OPRM1	6	154,447,423	0.16	Add	1.13 (0.74-1.73)	1.95 (1.14-3.34)	1.46 (0.72-2.99)	5.08E-01	6.74E-01	1.00E-00
rs12600908	GRB2	17	70,839,969	0.12	Dom	1 (0.62-1.62)	1.7 (1.02-2.83)	1.97 (0.76-5.1)	6.57E-01	8.99E-01	1.00E-00
rs1799971	OPRM1	6	154,402,490	0.12	Add	0.94 (0.57-1.55)	1.61 (0.97-2.68)	2.33 (0.95-5.7)	4.75E-01	7.64E-01	1.00E-00
rs1009502	FREQ (NCS1)	9	131,996,050	0.32	Add	0.97 (0.7-1.34)	2.3 (1.23-4.3)	1.49 (0.89-2.49)	1.88E-01	4.12E-01	1.00E-00
rs17209711	OPRM1	6	154,438,148	0.16	Add	1.1 (0.72-1.7)	1.98 (1.15-3.4)	1.41 (0.69-2.91)	4.43E-01	6.73E-01	1.00E-00

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs6569709	EPB41L2	6	131,223,739	0.31	Add	1.08 (0.78-1.48)	1.73 (0.94-3.18)	1.76 (1.06-2.93)	9.51E-01	9.03E-01	1.00E-00
rs13710	FREQ (NCS1)	9	132,037,596	0.29	Add	1.21 (0.85-1.72)	2.14 (1.14-4)	1.53 (0.9-2.59)	3.54E-01	4.03E-01	1.00E-00
rs1611118	DBH	9	135,494,744	0.05	Add	1.24 (0.61-2.53)	1.65 (1.03-2.65)	2.93 (0.74-11.51)	4.36E-01	5.35E-01	1.00E-00
rs2871047	COMT	22	18,306,331	0.06	Dom	1.26 (0.63-2.53)	1.81 (1.12-2.94)	1.14 (0.31-4.25)	5.18E-01	7.12E-01	1.00E-00
rs234630	GNAS	20	56,917,050	0.30	Add	1.06 (0.75-1.5)	1.58 (0.85-2.92)	1.9 (1.11-3.22)	6.05E-01	8.23E-01	1.00E-00
rs2073835	DBH	9	135,522,004	0.30	Add	1.16 (0.82-1.65)	1.57 (0.82-3.02)	2 (1.18-3.39)	5.09E-01	5.61E-01	1.00E-00
rs1381376	OPRM1	6	154,434,951	0.16	Add	1.08 (0.7-1.66)	2 (1.17-3.44)	1.38 (0.67-2.84)	3.95E-01	6.53E-01	1.00E-00
rs9370399	HCRTR2	6	55,152,984	0.45	Dom	1.09 (0.67-1.77)	1.59 (0.71-3.56)	1.82 (1.05-3.14)	7.83E-01	9.06E-01	1.00E-00
rs2985332	EPB41	1	29,211,686	0.15	Dom	0.94 (0.56-1.57)	1.69 (1-2.84)	1.96 (0.79-4.84)	7.82E-01	9.44E-01	1.00E-00
rs2076371	PRKCABP	22	36,804,642	0.29	Dom	0.93 (0.6-1.45)	1.72 (0.91-3.25)	1.79 (0.95-3.39)	9.29E-01	9.49E-01	1.00E-00
rs4485648	COMT	22	18,299,405	0.18	Add	0.8 (0.52-1.23)	1.76 (1.03-2.99)	1.78 (0.85-3.73)	9.78E-01	5.67E-01	1.00E-00
rs3134696	HCRTR2	6	55,170,060	0.20	Add	0.83 (0.56-1.24)	1.51 (0.88-2.59)	2.23 (1.13-4.39)	3.46E-01	4.47E-01	1.00E-00
rs2073833	DBH	9	135,510,103	0.42	Dom	1.01 (0.62-1.64)	2.08 (0.93-4.65)	1.68 (0.95-2.97)	6.72E-01	9.13E-01	1.00E-00
rs5993883	COMT	22	18,317,638	0.49	Dom	0.85 (0.51-1.39)	1.22 (0.52-2.87)	2.01 (1.18-3.41)	3.32E-01	5.39E-01	1.00E-00
rs2519143	DBH	9	135,492,149	0.18	Dom	0.98 (0.61-1.59)	1.51 (0.88-2.61)	2.39 (1.08-5.31)	3.53E-01	6.44E-01	1.00E-00
rs10268819	DDC	7	50,577,565	0.12	Dom	0.9 (0.52-1.58)	2.02 (1.18-3.44)	1.34 (0.5-3.62)	4.78E-01	7.04E-01	1.00E-00
rs709611	FREQ (NCS1)	9	132,038,180	0.28	Dom	1.14 (0.73-1.79)	2.36 (1.23-4.52)	1.31 (0.69-2.48)	2.05E-01	4.07E-01	1.00E-00
rs6026574	GNAS	20	56,889,890	0.37	Dom	1.07 (0.68-1.68)	1.41 (0.7-2.87)	2.02 (1.13-3.64)	4.45E-01	7.04E-01	1.00E-00
rs3823010	OPRM1	6	154,420,845	0.16	Dom	0.88 (0.54-1.42)	1.86 (1.08-3.18)	1.54 (0.68-3.5)	7.07E-01	7.88E-01	1.00E-00
rs7773995	OPRM1	6	154,424,060	0.16	Dom	0.88 (0.54-1.42)	1.86 (1.08-3.18)	1.54 (0.68-3.5)	7.07E-01	7.88E-01	1.00E-00
rs165824	COMT	22	18,339,366	0.08	Dom	1.28 (0.68-2.4)	1.7 (1.02-2.84)	2.09 (0.65-6.69)	7.52E-01	6.72E-01	1.00E-00
rs947513	FREQ (NCS1)	9	132,013,809	0.45	Add	0.86 (0.63-1.18)	1.41 (0.7-2.84)	1.81 (1.14-2.87)	4.37E-01	4.91E-01	1.00E-00
rs3134689	HCRTR2	6	55,162,711	0.20	Add	0.8 (0.54-1.2)	1.56 (0.91-2.68)	2.09 (1.06-4.14)	4.81E-01	4.55E-01	1.00E-00
rs165815	COMT	22	18,339,473	0.15	Add	1.21 (0.78-1.87)	1.92 (1.13-3.27)	1.49 (0.71-3.13)	5.68E-01	5.92E-01	1.00E-00
rs10485058	OPRM1	6	154,486,907	0.14	Add	0.94 (0.6-1.48)	1.94 (1.16-3.27)	1.41 (0.64-3.09)	4.84E-01	7.44E-01	1.00E-00
rs3777432	EPB41L2	6	131,225,509	0.16	Dom	1.09 (0.67-1.78)	1.69 (0.99-2.9)	1.94 (0.85-4.42)	7.87E-01	9.02E-01	1.00E-00
rs174696	COMT	22	18,333,176	0.23	Dom	1.23 (0.78-1.93)	1.99 (1.1-3.61)	1.41 (0.71-2.82)	4.61E-01	5.50E-01	1.00E-00
rs234627	GNAS	20	56,920,375	0.28	Add	1.08 (0.76-1.54)	1.51 (0.82-2.78)	1.95 (1.13-3.36)	4.86E-01	7.01E-01	1.00E-00
rs356198	SNCA	4	90,901,527	0.20	Dom	1.13 (0.71-1.8)	1.87 (1.06-3.3)	1.56 (0.75-3.25)	7.03E-01	8.23E-01	1.00E-00
rs2583958	SNCA	4	90,939,388	0.27	Dom	0.97 (0.62-1.52)	1.73 (0.94-3.2)	1.79 (0.93-3.48)	9.36E-01	9.89E-01	1.00E-00
rs2619373	SNCA	4	90,941,456	0.27	Dom	0.97 (0.62-1.52)	1.73 (0.94-3.2)	1.79 (0.93-3.48)	9.36E-01	9.89E-01	1.00E-00
rs2519155	DBH	9	135,494,419	0.38	Dom	0.9 (0.57-1.42)	1.88 (0.92-3.83)	1.67 (0.93-2.99)	7.98E-01	8.56E-01	1.00E-00
rs4075265	EPB41L2	6	131,208,150	0.31	Add	1.06 (0.77-1.47)	1.78 (0.97-3.27)	1.74 (1.04-2.89)	9.38E-01	9.33E-01	1.00E-00
rs2452788	EPB41	1	29,319,398	0.15	Dom	0.97 (0.57-1.65)	1.84 (1.07-3.15)	1.39 (0.54-3.59)	6.19E-01	8.61E-01	1.00E-00
rs740603	COMT	22	18,325,177	0.49	Dom	0.86 (0.52-1.41)	1.17 (0.5-2.71)	2.04 (1.2-3.48)	2.71E-01	4.92E-01	1.00E-00
rs174699	COMT	22	18,334,458	0.05	Dom	0.83 (0.37-1.89)	1.65 (1.03-2.63)	3.37 (0.68-16.63)	3.99E-01	6.36E-01	1.00E-00
rs2653348	HCRTR2	6	55,247,827	0.41	Add	0.97 (0.71-1.34)	1.54 (0.77-3.1)	1.8 (1.13-2.86)	6.38E-01	8.87E-01	1.00E-00
rs203298	EPB41	1	29,105,251	0.09	Dom	0.91 (0.49-1.7)	1.86 (1.14-3.04)	1.16 (0.37-3.66)	4.57E-01	7.13E-01	1.00E-00
rs7741664	HCRTR2	6	55,213,260	0.25	Add	0.82 (0.56-1.2)	1.52 (0.85-2.7)	2.07 (1.12-3.84)	4.33E-01	4.70E-01	1.00E-00

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs4646316	COMT	22	18,332,132	0.21	Add	1.23 (0.83-1.82)	1.9 (1.07-3.37)	1.51 (0.81-2.82)	5.66E-01	5.23E-01	1.00E-00
rs2239393	COMT	22	18,330,428	0.38	Add	1.02 (0.75-1.39)	1.4 (0.73-2.71)	1.88 (1.17-3.03)	3.56E-01	6.34E-01	1.00E-00
rs9349768	HCRTR2	6	55,199,409	0.22	Add	0.79 (0.53-1.17)	1.76 (1.01-3.05)	1.75 (0.9-3.39)	9.93E-01	4.84E-01	1.00E-00
rs9357850	HCRTR2	6	55,204,783	0.22	Add	0.79 (0.53-1.17)	1.76 (1.01-3.05)	1.75 (0.9-3.39)	9.93E-01	4.84E-01	1.00E-00
rs3798683	OPRM1	6	154,460,107	0.16	Add	1.14 (0.75-1.74)	1.82 (1.06-3.11)	1.68 (0.82-3.47)	8.64E-01	8.25E-01	1.00E-00
rs4812042	GNAS	20	56,895,310	0.41	Dom	1.24 (0.78-2)	1.91 (0.88-4.15)	1.67 (0.96-2.89)	7.82E-01	6.48E-01	1.00E-00
rs2180696	GNAS	20	56,887,299	0.40	Dom	0.87 (0.63-1.2)	1.59 (0.76-3.32)	1.84 (1.04-3.26)	7.41E-01	6.79E-01	1.00E-00
rs3778151	OPRM1	6	154,435,373	0.16	Dom	0.95 (0.59-1.54)	1.91 (1.11-3.3)	1.45 (0.65-3.25)	5.78E-01	8.31E-01	1.00E-00
rs7775013	EPB41L2	6	131,228,271	0.37	Add	0.91 (0.66-1.26)	1.55 (0.81-2.95)	1.84 (1.13-3)	5.99E-01	7.61E-01	1.00E-00
rs150093	EPB41	1	29,101,418	0.13	Add	1.13 (0.71-1.78)	1.69 (1.01-2.85)	1.94 (0.87-4.31)	7.75E-01	8.24E-01	1.00E-00
rs2985322	EPB41	1	29,169,054	0.32	Add	1.05 (0.75-1.47)	1.85 (0.99-3.46)	1.69 (1.01-2.83)	7.98E-01	9.36E-01	1.00E-00
rs9908820	GRB2	17	70,920,414	0.34	Dom	0.96 (0.62-1.5)	1.54 (0.79-3)	1.96 (1.06-3.62)	6.08E-01	8.72E-01	1.00E-00
rs7452651	HCRTR2	6	55,243,472	0.22	Dom	0.79 (0.53-1.18)	1.84 (1.05-3.24)	1.61 (0.76-3.4)	9.09E-01	4.95E-01	1.00E-00
rs2134294	HCRTR2	6	55,242,206	0.44	Dom	0.92 (0.57-1.49)	1.25 (0.57-2.74)	2.05 (1.18-3.56)	3.13E-01	5.88E-01	1.00E-00
rs2653350	HCRTR2	6	55,252,061	0.43	Dom	0.94 (0.59-1.51)	1.34 (0.62-2.9)	2.01 (1.16-3.5)	4.01E-01	6.95E-01	1.00E-00
rs6938735	EPB41L2	6	131,196,596	0.31	Add	1.08 (0.78-1.5)	1.75 (0.95-3.23)	1.75 (1.05-2.9)	9.93E-01	8.89E-01	1.00E-00
rs7868148	FREQ (NCS1)	9	132,043,755	0.27	Add	1.11 (0.78-1.57)	1.46 (0.8-2.66)	2.08 (1.21-3.58)	3.23E-01	5.02E-01	1.00E-00
rs4142972	HCRTR2	6	55,184,896	0.18	Dom	1.13 (0.71-1.81)	1.93 (1.11-3.36)	1.48 (0.69-3.19)	5.86E-01	7.76E-01	1.00E-00
rs1541333	DBH	9	135,501,206	0.44	Dom	0.89 (0.65-1.22)	1.65 (0.76-3.57)	1.82 (1.04-3.16)	3.96E-01	5.64E-01	1.00E-00
rs2519154	DBH	9	135,502,096	0.42	Add	0.97 (0.71-1.34)	1.4 (0.7-2.8)	1.83 (1.15-2.91)	4.08E-01	7.03E-01	1.00E-00
rs3113355	SNCA	4	90,964,368	0.23	Add	0.95 (0.65-1.37)	1.91 (1.08-3.37)	1.6 (0.88-2.93)	6.53E-01	8.30E-01	1.00E-00
rs4897473	EPB41L2	6	131,256,964	0.35	Add	0.89 (0.64-1.24)	1.48 (0.79-2.79)	1.89 (1.15-3.13)	4.67E-01	6.31E-01	1.00E-00
rs7856531	FREQ (NCS1)	9	132,000,447	0.46	Dom	0.83 (0.51-1.34)	2.2 (0.98-4.92)	1.59 (0.93-2.74)	5.16E-01	5.59E-01	1.00E-00
rs1108580	DBH	9	135,494,935	0.45	Add	1.03 (0.74-1.43)	1.28 (0.61-2.7)	1.85 (1.14-3)	2.72E-01	5.23E-01	1.00E-00
rs988749	EPB41L2	6	131,201,181	0.29	Add	1.07 (0.77-1.49)	1.65 (0.9-3)	1.82 (1.07-3.08)	7.69E-01	8.85E-01	1.00E-00
rs10819615	FREQ (NCS1)	9	132,014,745	0.36	Dom	1.17 (0.74-1.86)	2.29 (1.12-4.68)	1.41 (0.78-2.52)	2.99E-01	4.84E-01	1.00E-00
rs4074181	HCRTR2	6	55,211,426	0.22	Dom	0.8 (0.54-1.19)	1.82 (1.04-3.21)	1.64 (0.78-3.45)	9.29E-01	5.24E-01	1.00E-00
rs2797849	DBH	9	135,491,762	0.38	Add	1.06 (0.76-1.48)	1.54 (0.79-3.02)	1.84 (1.14-2.97)	6.03E-01	8.04E-01	1.00E-00
rs7121	GNAS	20	56,912,202	0.50	Dom	1.05 (0.61-1.81)	2.65 (1.01-6.92)	1.55 (0.93-2.59)	3.39E-01	6.24E-01	1.00E-00
rs10819621	FREQ (NCS1)	9	132,045,353	0.14	Add	0.93 (0.57-1.51)	1.56 (0.93-2.61)	2.53 (1.06-6.01)	3.39E-01	6.25E-01	1.00E-00
rs3122156	HCRTR2	6	55,190,766	0.26	Dom	0.85 (0.59-1.24)	1.6 (0.88-2.92)	1.99 (1.01-3.92)	8.12E-01	6.96E-01	1.00E-00
rs9475195	HCRTR2	6	55,168,977	0.39	Dom	0.83 (0.53-1.31)	1.88 (0.91-3.87)	1.69 (0.95-3.01)	8.27E-01	6.98E-01	1.00E-00
rs2788888	EPB41	1	29,252,579	0.23	Dom	0.92 (0.63-1.33)	1.87 (1.05-3.31)	1.62 (0.78-3.36)	6.78E-01	7.88E-01	1.00E-00
rs2153165	EPB41	1	29,258,073	0.23	Dom	0.92 (0.63-1.33)	1.87 (1.05-3.31)	1.62 (0.78-3.36)	6.78E-01	7.88E-01	1.00E-00
rs12662510	HCRTR2	6	55,187,850	0.15	Add	0.8 (0.5-1.27)	1.72 (1.02-2.87)	1.8 (0.79-4.08)	9.24E-01	6.35E-01	1.00E-00
rs2486200	EPB41	1	29,236,572	0.23	Dom	0.91 (0.63-1.32)	1.86 (1.05-3.29)	1.62 (0.78-3.36)	6.88E-01	7.88E-01	1.00E-00
rs9464203	HCRTR2	6	55,145,083	0.21	Add	1.24 (0.85-1.79)	1.74 (0.98-3.06)	1.76 (0.96-3.23)	9.68E-01	5.38E-01	1.00E-00
rs7852859	FREQ (NCS1)	9	132,034,981	0.12	Add	0.93 (0.58-1.51)	1.7 (1.02-2.83)	1.92 (0.82-4.5)	8.04E-01	9.35E-01	1.00E-00
rs3134710	HCRTR2	6	55,190,420	0.26	Dom	0.89 (0.57-1.39)	1.6 (0.88-2.92)	1.99 (1.01-3.92)	6.39E-01	8.00E-01	1.00E-00

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs1054879	FREQ (NCS1)	9	132,035,589	0.46	Add	0.86 (0.63-1.19)	1.65 (0.79-3.45)	1.73 (1.1-2.73)	8.79E-01	6.60E-01	1.00E-00
rs3824544	FREQ (NCS1)	9	131,988,371	0.25	Add	1.06 (0.75-1.48)	2.08 (1.18-3.69)	1.55 (0.88-2.72)	3.98E-01	6.85E-01	1.00E-00
rs2653342	HCRTR2	6	55,239,096	0.15	Add	1.25 (0.81-1.91)	1.79 (1.05-3.07)	1.75 (0.86-3.59)	9.59E-01	5.98E-01	1.00E-00
rs2797853	DBH	9	135,502,336	0.36	Dom	1.06 (0.67-1.68)	2.23 (1.07-4.64)	1.52 (0.86-2.68)	4.19E-01	7.12E-01	1.00E-00
rs2619372	SNCA	4	90,955,750	0.29	Dom	0.98 (0.69-1.38)	1.68 (0.88-3.2)	1.84 (0.98-3.48)	7.17E-01	9.14E-01	1.00E-00
rs2737020	SNCA	4	90,959,901	0.29	Dom	0.98 (0.69-1.38)	1.68 (0.88-3.2)	1.84 (0.98-3.48)	7.17E-01	9.14E-01	1.00E-00
rs4236127	HCRTR2	6	55,164,136	0.18	Dom	0.86 (0.57-1.31)	1.57 (0.91-2.69)	2.23 (0.99-5)	4.09E-01	5.74E-01	1.00E-00
rs1541332	DBH	9	135,501,337	0.45	Dom	1.14 (0.69-1.88)	2.42 (1.03-5.67)	1.54 (0.91-2.61)	3.79E-01	6.13E-01	1.00E-00
rs204057	EPB41	1	29,144,644	0.24	Dom	1.15 (0.73-1.82)	1.57 (0.87-2.83)	1.96 (0.97-3.97)	6.31E-01	7.04E-01	1.00E-00
rs3122154	HCRTR2	6	55,186,417	0.21	Add	1.22 (0.83-1.77)	1.86 (1.06-3.28)	1.62 (0.88-2.98)	7.15E-01	5.79E-01	1.00E-00
rs3122169	HCRTR2	6	55,221,370	0.18	Add	1.19 (0.8-1.78)	1.95 (1.12-3.41)	1.55 (0.81-2.97)	5.73E-01	5.70E-01	1.00E-00
rs6927478	HCRTR2	6	55,152,345	0.39	Dom	1.22 (0.76-1.95)	2.22 (1.04-4.77)	1.55 (0.89-2.72)	4.54E-01	5.76E-01	1.00E-00
rs7045735	FREQ (NCS1)	9	132,004,454	0.40	Dom	0.9 (0.55-1.46)	2.33 (1.05-5.16)	1.61 (0.9-2.88)	4.60E-01	6.47E-01	1.00E-00
rs7849345	FREQ (NCS1)	9	131,984,366	0.49	Dom	1.19 (0.71-2)	1.65 (0.67-4.1)	1.81 (1.08-3.04)	8.66E-01	7.80E-01	1.00E-00
rs2583975	SNCA	4	90,967,511	0.23	Add	0.97 (0.67-1.41)	1.95 (1.11-3.45)	1.55 (0.84-2.86)	5.51E-01	7.91E-01	1.00E-00
rs10498801	HCRTR2	6	55,174,923	0.18	Dom	0.86 (0.57-1.31)	1.57 (0.92-2.71)	2.23 (0.99-5)	4.14E-01	5.81E-01	1.00E-00
rs168552	SNCA	4	90,862,167	0.29	Add	0.95 (0.65-1.37)	1.66 (0.9-3.06)	1.87 (1.06-3.27)	7.57E-01	9.25E-01	1.00E-00
rs4897472	EPB41L2	6	131,254,831	0.48	Dom	1.13 (0.69-1.85)	1.99 (0.85-4.64)	1.66 (0.98-2.82)	7.26E-01	8.50E-01	1.00E-00
rs2068147	EPB41L2	6	131,263,595	0.48	Dom	1.13 (0.69-1.85)	1.99 (0.85-4.64)	1.66 (0.98-2.82)	7.26E-01	8.50E-01	1.00E-00
rs484000	EPB41	1	29,324,724	0.07	Dom	1.09 (0.56-2.14)	1.87 (1.12-3.11)	1.21 (0.34-4.22)	5.28E-01	8.06E-01	1.00E-00
rs3798249	EPB41L2	6	131,249,136	0.48	Dom	1.11 (0.68-1.83)	1.94 (0.83-4.53)	1.66 (0.98-2.82)	7.65E-01	8.83E-01	1.00E-00
rs157198	EPB41	1	29,076,494	0.08	Dom	0.76 (0.39-1.47)	1.8 (1.11-2.93)	1.81 (0.53-6.24)	9.92E-01	7.08E-01	1.00E-00
rs1611115	DBH	9	135,490,336	0.19	Add	1.09 (0.72-1.66)	1.6 (0.92-2.79)	1.98 (1-3.92)	6.15E-01	8.04E-01	1.00E-00
rs157208	EPB41	1	29,117,993	0.24	Dom	1.11 (0.71-1.75)	1.59 (0.88-2.88)	1.96 (0.97-3.96)	6.56E-01	7.91E-01	1.00E-00
rs6919007	EPB41L2	6	131,206,179	0.37	Add	0.91 (0.66-1.25)	1.51 (0.8-2.86)	1.87 (1.14-3.05)	5.25E-01	7.12E-01	1.00E-00
rs9402292	EPB41L2	6	131,211,966	0.37	Add	0.91 (0.66-1.25)	1.51 (0.8-2.86)	1.87 (1.14-3.05)	5.25E-01	7.12E-01	1.00E-00
rs9367622	HCRTR2	6	55,177,132	0.15	Dom	0.84 (0.5-1.4)	1.73 (1.03-2.92)	1.79 (0.73-4.38)	9.49E-01	7.95E-01	1.00E-00
rs4712099	HCRTR2	6	55,163,157	0.17	Dom	1.15 (0.72-1.85)	1.97 (1.13-3.42)	1.35 (0.62-2.95)	4.44E-01	6.52E-01	1.00E-00
rs1076150	DBH	9	135,488,582	0.47	Add	1.05 (0.76-1.43)	1.35 (0.64-2.84)	1.85 (1.16-2.96)	3.23E-01	5.67E-01	1.00E-00
rs4897468	EPB41L2	6	131,206,765	0.37	Add	0.91 (0.66-1.25)	1.5 (0.79-2.84)	1.87 (1.15-3.05)	5.05E-01	6.89E-01	1.00E-00
rs9382467	HCRTR2	6	55,198,914	0.46	Dom	0.88 (0.54-1.43)	1.24 (0.56-2.76)	2.04 (1.18-3.51)	3.14E-01	5.63E-01	1.00E-00
rs2105250	EPB41L2	6	131,325,875	0.27	Add	1.04 (0.74-1.46)	1.57 (0.87-2.82)	2.01 (1.16-3.48)	4.78E-01	7.56E-01	1.00E-00
rs10011157	SNCA	4	90,969,867	0.23	Dom	0.98 (0.62-1.54)	1.7 (0.95-3.06)	2.07 (1.01-4.27)	6.77E-01	9.16E-01	1.00E-00
rs1999474	EPB41L2	6	131,279,395	0.28	Add	1.07 (0.76-1.5)	1.51 (0.84-2.72)	1.96 (1.14-3.37)	4.54E-01	6.95E-01	1.00E-00
rs2737033	SNCA	4	90,926,970	0.27	Add	1.01 (0.69-1.47)	1.83 (1-3.34)	1.69 (0.95-3.01)	8.41E-01	9.80E-01	1.00E-00
rs2985335	EPB41	1	29,218,234	0.13	Dom	0.9 (0.53-1.55)	1.69 (1.01-2.81)	2.06 (0.78-5.39)	7.23E-01	8.94E-01	1.00E-00
rs7766004	EPB41L2	6	131,295,666	0.27	Dom	1.1 (0.7-1.72)	1.64 (0.89-3.03)	1.87 (0.95-3.65)	7.80E-01	8.67E-01	1.00E-00
rs7863731	FREQ (NCS1)	9	132,042,626	0.39	Dom	0.85 (0.53-1.35)	1.59 (0.76-3.32)	1.74 (0.98-3.09)	8.47E-01	7.78E-01	1.00E-00
rs3775443	SNCA	4	90,934,697	0.06	Add	1.09 (0.55-2.16)	1.75 (1.08-2.84)	1.91 (0.54-6.72)	9.01E-01	9.63E-01	1.00E-00

Supplemental Table 1: SNP-Specific Results for Abstinence Rates at End of Treatment

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs17016190	SNCA	4	90,941,855	0.06	Add	1.09 (0.55-2.16)	1.75 (1.08-2.84)	1.91 (0.54-6.72)	9.01E-01	9.63E-01	1.00E-00
rs9357845	HCRTR2	6	55,142,145	0.39	Dom	0.86 (0.55-1.36)	1.58 (0.77-3.24)	1.88 (1.06-3.34)	7.09E-01	7.86E-01	1.00E-00
rs1413753	EPB41L2	6	131,192,197	0.32	Dom	1.14 (0.73-1.8)	1.71 (0.88-3.33)	1.83 (0.98-3.42)	8.84E-01	8.25E-01	1.00E-00
rs2985329	EPB41	1	29,206,549	0.13	Add	0.89 (0.56-1.42)	1.72 (1.04-2.85)	1.89 (0.81-4.39)	8.46E-01	8.88E-01	1.00E-00
rs9426306	EPB41	1	29,261,001	0.13	Add	0.89 (0.56-1.42)	1.72 (1.04-2.85)	1.89 (0.81-4.39)	8.46E-01	8.88E-01	1.00E-00
rs6935267	EPB41L2	6	131,204,791	0.16	Dom	0.87 (0.52-1.44)	1.71 (1.01-2.88)	1.94 (0.81-4.66)	8.05E-01	8.46E-01	1.00E-00
rs12072697	EPB41	1	29,209,878	0.09	Dom	0.97 (0.52-1.78)	1.83 (1.12-2.99)	1.3 (0.42-4.03)	5.86E-01	8.50E-01	1.00E-00
rs7768760	HCRTR2	6	55,153,334	0.49	Dom	1.06 (0.77-1.46)	1.33 (0.55-3.23)	1.94 (1.14-3.31)	3.64E-01	6.25E-01	1.00E-00
rs2254241	EPB41	1	29,290,620	0.13	Dom	0.9 (0.52-1.55)	1.68 (1.01-2.8)	2.05 (0.77-5.43)	7.26E-01	8.88E-01	1.00E-00
rs2277200	FREQ (NCS1)	9	132,028,530	0.31	Add	0.92 (0.66-1.29)	1.85 (1-3.44)	1.68 (1.01-2.82)	7.80E-01	8.53E-01	1.00E-00
rs7024495	FREQ (NCS1)	9	132,007,017	0.48	Dom	0.97 (0.59-1.59)	2.04 (0.87-4.8)	1.65 (0.97-2.8)	6.79E-01	9.01E-01	1.00E-00
rs2900286	FREQ (NCS1)	9	132,030,234	0.31	Add	0.94 (0.67-1.31)	1.85 (1-3.43)	1.69 (1.01-2.83)	7.88E-01	8.94E-01	1.00E-00
rs575710	EPB41	1	29,319,242	0.09	Dom	0.87 (0.49-1.55)	1.84 (1.13-3.01)	1.38 (0.45-4.25)	6.57E-01	7.96E-01	1.00E-00
rs203278	EPB41	1	29,114,784	0.36	Dom	1.07 (0.68-1.69)	1.96 (0.97-3.97)	1.61 (0.9-2.9)	6.82E-01	8.85E-01	1.00E-00
rs10988653	FREQ (NCS1)	9	132,046,295	0.38	Dom	1.08 (0.78-1.5)	1.72 (0.83-3.55)	1.72 (0.97-3.07)	5.26E-01	7.48E-01	1.00E-00
rs10988645	FREQ (NCS1)	9	132,019,357	0.29	Dom	1.03 (0.66-1.61)	1.83 (0.97-3.46)	1.69 (0.9-3.19)	8.62E-01	9.79E-01	1.00E-00
rs7023210	FREQ (NCS1)	9	132,011,977	0.48	Dom	0.92 (0.56-1.5)	2 (0.86-4.62)	1.66 (0.98-2.83)	7.17E-01	8.70E-01	1.00E-00
rs3897499	FREQ (NCS1)	9	132,014,885	0.36	Dom	1 (0.64-1.57)	1.87 (0.94-3.71)	1.63 (0.89-2.96)	7.63E-01	9.55E-01	1.00E-00
rs7873936	FREQ (NCS1)	9	132,032,983	0.18	Dom	0.93 (0.58-1.5)	1.84 (1.07-3.18)	1.62 (0.73-3.57)	7.89E-01	9.13E-01	1.00E-00

^a The minor allele frequency was calculated using subjects in our study sample. ^b For each SNP, dominant and additive genetic models were fitted and the model yielding the lower adjusted p-value was selected. ^c The Test of Interaction is the observed p-value from a test of heterogeneity for the treatment odds ratios. ^d The Likelihood Ratio Test Observed P-value was obtained using a joint 2-df test combining the genetic marginal effect and the gene-treatment interaction effect. Adjusted P-values were estimated by accounting for the correlation between observed SNPs within respective gene regions. This adjustment was also used when selecting a genetic model.

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2072661	CHRNA2	1	152,815,504	0.23	Dom	0.31 (0.18-0.55)	2.14 (1.2-3.81)	0.83 (0.32-2.19)	1.01E-01	1.54E-05	2.40E-04 ^e
rs2072660	CHRNA2	1	152,815,345	0.23	Dom	0.33 (0.19-0.58)	2.04 (1.15-3.63)	0.86 (0.33-2.26)	1.32E-01	4.33E-05	6.36E-04 ^e
rs2069454	CDK5	7	150,383,915	0.14	Dom	2.07 (1.18-3.62)	1.12 (0.61-2.05)	5.03 (1.93-13.1)	9.38E-03	3.71E-04	4.73E-03
rs1127314	CHRNA2	1	152,822,890	0.30	Add	0.52 (0.35-0.78)	1.71 (0.92-3.15)	1.53 (0.79-2.96)	7.95E-01	3.67E-03	2.77E-02
rs2238687	FOSB	19	50,665,006	0.13	Add	2.22 (1.4-3.52)	1.74 (0.97-3.15)	1.59 (0.74-3.43)	8.48E-01	3.68E-03	3.05E-02
rs10517626	TDO2	4	157,050,894	0.10	Add	1.96 (1.17-3.28)	1.31 (0.76-2.28)	3.46 (1.37-8.76)	6.98E-02	3.23E-03	3.34E-02
rs2131902	CHRNA2	1	152,826,222	0.31	Dom	0.47 (0.29-0.76)	1.78 (0.94-3.37)	1.43 (0.67-3.04)	6.62E-01	6.42E-03	4.47E-02
rs3766927	CHRNA2	1	152,830,765	0.30	Dom	0.47 (0.29-0.78)	1.83 (0.97-3.46)	1.35 (0.63-2.9)	5.47E-01	6.79E-03	4.53E-02
rs13152449	TDO2	4	157,055,252	0.10	Add	1.94 (1.15-3.25)	1.34 (0.77-2.31)	3.45 (1.35-8.82)	7.74E-02	4.61E-03	4.55E-02
rs1877032	PPP1R1B	17	35,024,590	0.08	Dom	0.34 (0.14-0.84)	1.91 (1.12-3.27)	0.83 (0.15-4.55)	3.61E-01	1.57E-02	7.58E-02
rs934778	POMC	2	25,242,728	0.33	Dom	1.88 (1.14-3.09)	1.03 (0.47-2.27)	2.24 (1.2-4.18)	1.29E-01	8.01E-03	8.58E-02
rs11101694	CALCYON	10	134,996,704	0.14	Dom	0.56 (0.28-1.13)	1.26 (0.72-2.2)	6.28 (1.68-23.4)	2.75E-02	2.93E-02	9.43E-02
rs11700361	EPB41L1	20	34,285,729	0.17	Dom	1.05 (0.62-1.77)	2.77 (1.5-5.15)	0.62 (0.27-1.44)	5.19E-03	1.86E-02	1.02E-01
rs6142512	EPB41L1	20	34,178,851	0.17	Dom	0.88 (0.52-1.48)	2.68 (1.46-4.93)	0.62 (0.26-1.46)	6.59E-03	1.85E-02	1.07E-01
rs6142508	EPB41L1	20	34,160,719	0.17	Dom	0.88 (0.52-1.48)	2.68 (1.46-4.94)	0.62 (0.26-1.45)	6.43E-03	1.82E-02	1.08E-01
rs3810417	KLF16	19	1,815,601	0.17	Dom	0.46 (0.26-0.84)	1.55 (0.9-2.7)	2.53 (0.86-7.46)	4.30E-01	2.85E-02	1.20E-01
rs2298122	CALCYON	10	134,991,562	0.19	Add	0.67 (0.39-1.13)	1.19 (0.66-2.14)	3.96 (1.54-10.21)	3.02E-02	3.98E-02	1.33E-01
rs2878125	TDO2	4	157,053,811	0.12	Add	1.75 (1.09-2.81)	1.42 (0.81-2.49)	2.47 (1.06-5.72)	2.62E-01	2.19E-02	1.72E-01
rs6141600	EPB41L1	20	34,175,724	0.28	Dom	0.77 (0.47-1.26)	2.26 (1.15-4.44)	1.03 (0.5-2.13)	1.20E-01	1.41E-01	1.86E-01
rs12961210	ADCYAP1	18	890,523	0.32	Add	1.59 (1.12-2.26)	2.76 (1.29-5.87)	1.56 (0.93-2.63)	1.16E-01	1.10E-02	1.90E-01
rs709050	EPB41L1	20	34,292,023	0.20	Dom	0.81 (0.49-1.35)	2.52 (1.36-4.67)	0.75 (0.33-1.71)	2.13E-02	4.14E-02	1.98E-01
rs3811450	CHRNA2	1	152,817,656	0.08	Dom	0.37 (0.15-0.9)	1.69 (1.02-2.81)	1.91 (0.34-10.79)	8.96E-01	4.25E-02	2.16E-01
rs9892427	PPP1R1B	17	35,058,384	0.08	Dom	0.41 (0.18-0.94)	1.7 (1.02-2.83)	1.31 (0.27-6.43)	7.58E-01	6.13E-02	2.16E-01
rs6121179	EPB41L1	20	34,256,911	0.19	Dom	0.92 (0.55-1.53)	2.48 (1.33-4.62)	0.79 (0.35-1.77)	2.81E-02	7.79E-02	2.40E-01
rs2768762	NTRK1	1	155,127,086	0.20	Dom	1.69 (1.03-2.77)	2.53 (1.29-4.96)	1.06 (0.51-2.21)	8.66E-02	3.42E-02	2.42E-01
rs1609761	KLF16	19	1,798,698	0.21	Dom	0.55 (0.32-0.94)	1.7 (0.94-3.04)	2.19 (0.86-5.55)	6.49E-01	8.11E-02	2.45E-01
rs1296720	CREBBP	16	3,813,643	0.18	Dom	1.94 (1.19-3.15)	2.1 (1.09-4.04)	1.28 (0.61-2.67)	3.27E-01	2.36E-02	2.51E-01
rs1474976	EPB41L1	20	34,195,786	0.11	Add	1.33 (0.77-2.31)	1.3 (0.76-2.25)	3.41 (1.24-9.39)	9.61E-02	6.83E-02	2.68E-01
rs6060845	EPB41L1	20	34,233,225	0.25	Dom	0.96 (0.59-1.56)	2.56 (1.32-4.97)	0.98 (0.47-2.01)	5.45E-02	1.43E-01	2.76E-01
rs2746103	EPB41L1	20	34,167,348	0.23	Dom	0.83 (0.51-1.36)	2.32 (1.23-4.39)	0.94 (0.44-2.02)	7.57E-02	1.35E-01	2.87E-01
rs11954565	DRD1	5	174,782,513	0.36	Dom	2.09 (1.22-3.57)	2.63 (1.04-6.62)	1.45 (0.81-2.59)	2.85E-01	1.65E-02	2.87E-01
rs2734833	DRD2	11	112,798,130	0.42	Dom	0.48 (0.29-0.78)	1.66 (0.78-3.52)	1.58 (0.81-3.07)	9.22E-01	1.23E-02	2.90E-01
rs165774	COMT	22	18,332,561	0.33	Dom	0.62 (0.38-1)	2.62 (1.32-5.21)	1.04 (0.52-2.08)	6.44E-02	1.57E-02	2.91E-01
rs893541	KLF16	19	1,809,183	0.19	Add	0.58 (0.34-0.99)	1.5 (0.86-2.63)	2.59 (1-6.67)	3.23E-01	9.37E-02	2.96E-01
rs10423854	FOSB	19	50,647,512	0.43	Dom	0.55 (0.34-0.9)	1.22 (0.57-2.6)	1.98 (1.05-3.72)	3.37E-01	4.84E-02	3.01E-01
rs7123797	ANKK1	11	112,767,781	0.36	Dom	0.6 (0.37-0.97)	2.56 (1.27-5.17)	1.07 (0.54-2.11)	8.07E-02	1.36E-02	3.03E-01
rs4938012	ANKK1	11	112,764,864	0.34	Dom	0.6 (0.37-0.97)	2.56 (1.27-5.17)	1.07 (0.54-2.11)	8.07E-02	1.36E-02	3.04E-01
rs10401329	KLF16	19	1,822,699	0.13	Dom	0.54 (0.27-1.08)	1.44 (0.83-2.5)	4.44 (1.17-16.86)	1.27E-01	9.12E-02	3.13E-01
rs2247688	EPB41L1	20	34,238,965	0.25	Dom	0.97 (0.6-1.58)	2.59 (1.34-5.04)	0.95 (0.46-1.95)	4.46E-02	1.22E-01	3.16E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs871058	CHRNA5	15	76,645,546	0.36	Dom	0.94 (0.57-1.55)	3.63 (1.65-8.02)	0.99 (0.54-1.84)	1.13E-02	3.08E-02	3.21E-01
rs6026593	GNAS	20	56,912,528	0.11	Add	0.44 (0.22-0.87)	1.84 (1.09-3.1)	0.71 (0.2-2.52)	1.70E-01	1.74E-02	3.31E-01
rs6834765	SNCA	4	90,903,013	0.08	Dom	1.39 (0.69-2.82)	1.32 (0.78-2.22)	7.23 (1.91-27.28)	1.95E-02	2.92E-02	3.32E-01
rs17759598	MAPK1	22	20,452,149	0.15	Add	0.67 (0.39-1.16)	1.25 (0.73-2.15)	3.95 (1.43-10.92)	4.45E-02	5.70E-02	3.47E-01
rs708905	FOSB	19	50,669,312	0.13	Add	0.79 (0.45-1.4)	1.26 (0.74-2.16)	4.22 (1.46-12.22)	4.30E-02	9.87E-02	3.59E-01
rs3897584	ANKK1	11	112,754,935	0.35	Dom	0.61 (0.37-0.98)	2.56 (1.26-5.19)	1.1 (0.56-2.15)	8.87E-02	1.77E-02	3.64E-01
rs2303933	CDK5	7	150,397,732	0.43	Dom	1.46 (0.85-2.5)	0.79 (0.32-1.94)	2.24 (1.26-4)	5.61E-02	4.79E-02	3.70E-01
rs2036527	CHRNA5	15	76,638,670	0.42	Add	1.03 (0.73-1.47)	0.79 (0.38-1.67)	1.92 (1.15-3.21)	1.48E-02	3.77E-02	3.77E-01
rs3971872	CHRN4	15	76,729,090	0.09	Add	1.24 (0.68-2.26)	1.29 (0.76-2.21)	4.48 (1.46-13.73)	4.79E-02	5.04E-02	3.88E-01
rs2737703	KCNJ9	1	158,322,556	0.36	Dom	0.81 (0.49-1.32)	2.9 (1.33-6.33)	1.07 (0.56-2.02)	5.29E-02	7.22E-02	3.96E-01
rs37022	SLC6A3	5	1,468,629	0.15	Dom	0.46 (0.23-0.92)	1.43 (0.83-2.45)	4.64 (1.25-17.18)	1.03E-01	3.07E-02	3.97E-01
rs6856354	TDO2	4	157,068,548	0.35	Dom	0.6 (0.37-0.98)	1.95 (0.97-3.94)	1.39 (0.7-2.73)	4.92E-01	7.46E-02	3.98E-01
rs5993891	COMT	22	18,339,746	0.06	Add	1.42 (0.67-3)	2.04 (1.2-3.48)	0.4 (0.1-1.58)	3.03E-02	3.78E-02	4.01E-01
rs3775085	TDO2	4	157,042,829	0.10	Add	1.62 (0.98-2.66)	1.47 (0.86-2.52)	2.45 (0.98-6.12)	3.22E-01	7.11E-02	4.03E-01
rs10415949	FOSB	19	50,654,639	0.24	Add	0.66 (0.44-1)	1.89 (1.05-3.41)	1.43 (0.71-2.88)	5.16E-01	8.98E-02	4.05E-01
rs7122246	DRD2	11	112,809,667	0.42	Dom	0.5 (0.31-0.81)	1.66 (0.78-3.52)	1.68 (0.88-3.21)	9.81E-01	2.02E-02	4.05E-01
rs555018	CHRNA3;CHRNA5	15	76,666,297	0.42	Dom	0.7 (0.42-1.16)	3.02 (1.36-6.71)	1.19 (0.65-2.19)	6.92E-02	5.10E-02	4.05E-01
rs4275821	CHRNA5	15	76,636,596	0.37	Dom	0.98 (0.59-1.62)	3.57 (1.57-8.08)	1.05 (0.57-1.92)	1.85E-02	5.14E-02	4.08E-01
rs863126	DRD1	5	174,795,954	0.34	Add	1.52 (1.08-2.14)	1.48 (0.72-3.06)	1.75 (1.06-2.91)	6.29E-01	4.32E-02	4.12E-01
rs12280580	DRD4	11	616,220	0.27	Dom	0.98 (0.61-1.6)	0.95 (0.5-1.81)	3.23 (1.56-6.69)	1.40E-02	4.66E-02	4.17E-01
rs4587762	DRD2	11	112,812,103	0.43	Dom	0.51 (0.31-0.82)	1.69 (0.8-3.58)	1.58 (0.84-3)	8.99E-01	2.13E-02	4.19E-01
rs7786398	DDC	7	50,580,400	0.45	Dom	2.02 (1.03-3.99)	5.31 (1.46-19.33)	1.31 (0.76-2.25)	5.04E-02	2.64E-02	4.22E-01
rs6495307	CHRNA3;CHRNA5	15	76,677,376	0.42	Dom	0.67 (0.41-1.12)	2.84 (1.28-6.31)	1.24 (0.67-2.27)	1.04E-01	5.74E-02	4.40E-01
rs3743077	CHRNA3;CHRNA5	15	76,681,951	0.39	Dom	0.66 (0.4-1.11)	2.82 (1.27-6.26)	1.23 (0.64-2.38)	1.16E-01	6.00E-02	4.47E-01
rs2240713	COMT	22	18,341,101	0.05	Add	1.43 (0.67-3.06)	2.18 (1.27-3.74)	0.42 (0.1-1.7)	3.12E-02	4.57E-02	4.53E-01
rs1124491	ANKK1	11	112,787,300	0.18	Add	0.56 (0.34-0.92)	1.79 (1.03-3.12)	1.53 (0.63-3.74)	7.63E-01	3.78E-02	4.57E-01
rs2471851	DRD2	11	112,806,279	0.18	Add	0.55 (0.33-0.91)	1.77 (1.02-3.08)	1.56 (0.64-3.81)	8.03E-01	3.85E-02	4.57E-01
rs11214601	ANKK1	11	112,777,972	0.18	Add	0.56 (0.34-0.92)	1.79 (1.03-3.12)	1.53 (0.63-3.74)	7.63E-01	3.78E-02	4.59E-01
rs4938015	ANKK1	11	112,769,854	0.35	Dom	0.61 (0.38-0.99)	2.44 (1.2-4.95)	1.13 (0.58-2.22)	1.23E-01	2.60E-02	4.59E-01
rs17115439	ANKK1	11	112,769,482	0.35	Dom	0.61 (0.38-0.99)	2.44 (1.21-4.95)	1.14 (0.58-2.24)	1.26E-01	2.59E-02	4.61E-01
rs878887	CRHR1	17	41,268,363	0.20	Add	1.42 (0.93-2.16)	1.27 (0.69-2.33)	2.49 (1.26-4.91)	1.17E-01	6.89E-02	4.93E-01
rs647041	CHRNA3;CHRNA5	15	76,667,536	0.42	Dom	0.66 (0.4-1.09)	2.66 (1.22-5.81)	1.28 (0.69-2.36)	1.47E-01	7.06E-02	4.99E-01
rs11931074	SNCA	4	90,858,538	0.08	Dom	1.25 (0.62-2.5)	1.33 (0.79-2.23)	6.33 (1.71-23.44)	2.98E-02	5.57E-02	5.09E-01
rs10003708	SNCA	4	90,862,074	0.08	Dom	1.25 (0.62-2.5)	1.33 (0.79-2.23)	6.33 (1.71-23.44)	2.98E-02	5.57E-02	5.10E-01
rs13515	MAPK1	22	20,445,886	0.19	Add	0.99 (0.64-1.54)	1.16 (0.65-2.08)	2.97 (1.4-6.31)	3.97E-02	1.03E-01	5.11E-01
rs3857051	SNCA	4	90,862,720	0.08	Dom	1.25 (0.62-2.5)	1.33 (0.79-2.23)	6.33 (1.71-23.44)	2.98E-02	5.57E-02	5.12E-01
rs3787493	GNAS	20	56,914,543	0.46	Add	1.6 (1.13-2.28)	1.95 (0.81-4.7)	1.74 (1.07-2.83)	7.50E-01	2.82E-02	5.13E-01
rs601079	CHRNA5	15	76,656,634	0.42	Dom	0.77 (0.46-1.27)	3.13 (1.38-7.11)	1.19 (0.65-2.16)	6.19E-02	7.44E-02	5.14E-01
rs4633	COMT	22	18,330,235	0.47	Add	1.22 (0.88-1.7)	0.85 (0.38-1.91)	1.72 (1.06-2.79)	3.96E-02	3.88E-02	5.18E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs3775423	SNCA	4	90,876,514	0.08	Dom	1.26 (0.63-2.53)	1.33 (0.79-2.23)	6.21 (1.67-23.01)	3.20E-02	5.83E-02	5.22E-01
rs2164808	POMC	2	25,230,680	0.41	Add	0.74 (0.52-1.05)	2.34 (1.14-4.82)	1.48 (0.88-2.48)	2.07E-01	8.81E-02	5.32E-01
rs919197	GNAS	20	56,914,328	0.46	Add	1.59 (1.12-2.25)	1.92 (0.8-4.61)	1.74 (1.07-2.84)	7.83E-01	3.06E-02	5.37E-01
rs950776	CHRNA4	15	76,713,073	0.35	Dom	1.13 (0.69-1.86)	3.16 (1.46-6.84)	1.04 (0.56-1.94)	2.86E-02	8.47E-02	5.38E-01
rs835637	NCK1	3	138,155,847	0.45	Dom	1.63 (0.9-2.95)	3.74 (1.26-11.09)	1.3 (0.75-2.25)	8.87E-02	8.37E-02	5.39E-01
rs893539	KLF16	19	1,794,493	0.25	Add	1.16 (0.79-1.69)	1.35 (0.72-2.51)	1.89 (1.02-3.49)	3.87E-01	4.45E-01	5.41E-01
rs2276469	FOSB	19	50,666,433	0.45	Dom	0.65 (0.38-1.11)	1.8 (0.75-4.27)	1.45 (0.77-2.7)	6.92E-01	2.50E-01	5.41E-01
rs11665625	ADCYAP1	18	890,332	0.46	Add	1.43 (1.01-2.03)	3.15 (1.28-7.74)	1.75 (1.06-2.88)	1.02E-01	4.52E-02	5.45E-01
rs12360992	ANKK1	11	112,768,110	0.49	Dom	0.59 (0.35-1)	2.61 (1.07-6.38)	1.29 (0.72-2.32)	1.96E-01	3.31E-02	5.48E-01
rs11214596	ANKK1	11	112,769,721	0.49	Dom	0.59 (0.35-1)	2.61 (1.07-6.38)	1.29 (0.72-2.32)	1.96E-01	3.31E-02	5.48E-01
rs1037351	DDC	7	50,532,898	0.34	Dom	1.66 (1.01-2.73)	1.2 (0.54-2.66)	2.14 (1.16-3.95)	2.58E-01	4.47E-02	5.54E-01
rs2239393	COMT	22	18,330,428	0.38	Add	1.15 (0.82-1.6)	0.93 (0.46-1.91)	1.96 (1.18-3.26)	3.22E-02	4.66E-02	5.63E-01
rs6558000	CHRNA2	8	27,395,271	0.07	Add	0.39 (0.16-0.95)	1.63 (0.98-2.7)	1.36 (0.25-7.43)	8.41E-01	7.12E-02	5.65E-01
rs4656874	KCNJ9	1	158,311,246	0.31	Add	0.96 (0.66-1.39)	2.57 (1.29-5.1)	1.28 (0.73-2.23)	7.03E-02	1.71E-01	5.65E-01
rs834830	NR4A2	2	156,911,506	0.23	Dom	1.04 (0.63-1.7)	1.1 (0.58-2.06)	2.95 (1.36-6.41)	5.18E-02	1.30E-01	5.71E-01
rs1076560	ANKK1	11	112,788,898	0.18	Dom	0.52 (0.3-0.91)	1.67 (0.96-2.93)	1.8 (0.67-4.82)	9.01E-01	5.58E-02	5.74E-01
rs754672	ANKK1	11	112,754,346	0.49	Dom	0.6 (0.36-1.02)	2.73 (1.11-6.71)	1.3 (0.73-2.32)	1.72E-01	3.63E-02	5.74E-01
rs1519097	DRD5	4	9,411,951	0.32	Dom	1.08 (0.66-1.77)	1.09 (0.53-2.24)	2.35 (1.19-4.62)	1.30E-01	2.76E-01	5.76E-01
rs1317286	CHRNA3;CHRNA5	15	76,683,184	0.42	Add	1.04 (0.73-1.47)	0.88 (0.42-1.87)	1.86 (1.12-3.07)	3.77E-02	9.47E-02	5.79E-01
rs356219	SNCA	4	90,856,624	0.38	Add	0.84 (0.57-1.23)	0.89 (0.44-1.8)	2.18 (1.25-3.8)	2.32E-02	6.36E-02	5.87E-01
rs6941712	EPB41L2	6	131,323,903	0.12	Add	0.79 (0.46-1.37)	2.18 (1.26-3.78)	0.66 (0.25-1.75)	3.22E-02	6.73E-02	5.88E-01
rs1186675	KCNJ9	1	158,305,708	0.12	Add	1.02 (0.59-1.78)	1.31 (0.75-2.26)	3.44 (1.25-9.46)	9.69E-02	1.94E-01	5.90E-01
rs13106539	DRD5	4	9,406,801	0.37	Dom	1.08 (0.66-1.76)	1.24 (0.58-2.67)	2 (1.07-3.73)	3.45E-01	5.92E-01	5.92E-01
rs7867364	FREQ (NCS1)	9	132,040,103	0.17	Dom	1.14 (0.68-1.91)	2.54 (1.4-4.6)	0.62 (0.26-1.45)	7.96E-03	3.03E-02	5.99E-01
rs8140265	COMT	22	18,301,641	0.27	Add	1.3 (0.88-1.92)	1.13 (0.59-2.18)	2.34 (1.3-4.23)	6.83E-02	7.60E-02	6.00E-01
rs10002435	SNCA	4	90,931,534	0.11	Dom	1.37 (0.76-2.48)	1.31 (0.76-2.26)	4.26 (1.48-12.24)	5.16E-02	7.50E-02	6.01E-01
rs2369406	KCNJ9	1	158,331,042	0.44	Add	1.02 (0.72-1.44)	0.93 (0.44-2)	1.82 (1.1-3.01)	6.31E-02	1.53E-01	6.07E-01
rs2644620	NTRK1	1	155,127,792	0.11	Dom	1.52 (0.88-2.65)	2.08 (1.17-3.69)	0.99 (0.38-2.56)	1.91E-01	1.43E-01	6.12E-01
rs4838721	CALCYON	10	135,010,940	0.19	Add	0.89 (0.56-1.42)	1.3 (0.73-2.32)	2.56 (1.16-5.64)	1.58E-01	3.39E-01	6.17E-01
rs2494211	KCNJ9	1	158,325,236	0.36	Dom	0.86 (0.52-1.4)	2.65 (1.21-5.79)	1.15 (0.61-2.17)	1.06E-01	1.76E-01	6.18E-01
rs2275723	CALCYON	10	134,989,625	0.11	Add	0.76 (0.4-1.44)	1.43 (0.84-2.44)	3.55 (1.08-11.73)	1.71E-01	3.00E-01	6.25E-01
rs265974	DRD1	5	174,793,846	0.33	Add	0.77 (0.53-1.12)	2.45 (1.25-4.78)	1.31 (0.74-2.3)	1.00E-01	6.13E-02	6.29E-01
rs11564752	SLC6A3	5	1,497,985	0.06	Dom	0.97 (0.33-2.87)	1.31 (0.78-2.21)	10.39 (1.17-92.4)	7.10E-02	5.29E-02	6.31E-01
rs1079727	DRD2	11	112,794,392	0.18	Add	0.58 (0.35-0.95)	1.73 (0.99-3.02)	1.65 (0.68-4.01)	9.30E-01	6.80E-02	6.34E-01
rs10891549	ANKK1	11	112,783,657	0.48	Dom	0.6 (0.36-1)	2.43 (1.02-5.75)	1.3 (0.72-2.35)	2.45E-01	4.60E-02	6.37E-01
rs6881740	DRD1	5	174,791,768	0.37	Add	1.47 (1.05-2.06)	1.49 (0.7-3.16)	1.73 (1.05-2.85)	6.67E-01	6.29E-02	6.39E-01
rs265973	DRD1	5	174,793,305	0.44	Add	0.66 (0.47-0.94)	1.7 (0.83-3.47)	1.71 (1.02-2.88)	9.78E-01	6.36E-02	6.50E-01
rs12244716	CALCYON	10	134,978,372	0.14	Add	0.76 (0.43-1.31)	1.39 (0.81-2.39)	2.94 (1.08-8.01)	1.91E-01	2.75E-01	6.50E-01
rs1866146	POMC	2	25,234,077	0.34	Dom	0.99 (0.61-1.63)	2.81 (1.3-6.09)	1.13 (0.6-2.13)	7.43E-02	1.86E-01	6.52E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs1860803	PRKAR2B	7	106,567,076	0.41	Dom	0.65 (0.4-1.06)	2.47 (1.14-5.33)	1.36 (0.73-2.53)	2.36E-01	9.29E-02	6.55E-01
rs1876828	CRHR1	17	41,267,306	0.20	Add	1.32 (0.86-2.04)	1.33 (0.71-2.47)	2.61 (1.28-5.3)	1.30E-01	1.24E-01	6.57E-01
rs4810147	GNAS	20	56,855,022	0.46	Dom	1.41 (0.78-2.53)	4.76 (1.64-13.88)	1.17 (0.67-2.04)	2.26E-02	4.49E-02	6.58E-01
rs1876829	CRHR1	17	41,267,224	0.21	Add	1.43 (0.92-2.22)	1.3 (0.67-2.53)	2.35 (1.16-4.73)	1.92E-01	1.13E-01	6.64E-01
rs10033209	SNCA	4	90,872,727	0.08	Add	1.24 (0.69-2.24)	1.35 (0.81-2.28)	4.31 (1.42-13.13)	5.61E-02	1.16E-01	6.65E-01
rs11904814	CREB1	2	208,135,043	0.31	Add	0.71 (0.48-1.05)	1.43 (0.75-2.7)	1.91 (1.04-3.54)	4.68E-01	2.00E-01	6.71E-01
rs403636	SLC6A3	5	1,491,354	0.17	Dom	1.42 (0.91-2.21)	2.38 (1.27-4.46)	0.95 (0.43-2.11)	6.94E-02	6.12E-02	6.71E-01
rs2551640	CREB1	2	208,116,138	0.36	Add	0.72 (0.5-1.04)	1.58 (0.81-3.09)	1.7 (0.97-2.97)	8.51E-01	1.94E-01	6.71E-01
rs10033951	DRD5	4	9,388,678	0.31	Add	1.23 (0.86-1.76)	1.46 (0.74-2.87)	1.82 (1.06-3.11)	5.47E-01	4.40E-01	6.75E-01
rs2069443	CDK5	7	150,386,106	0.25	Dom	1.33 (0.82-2.15)	2.52 (1.26-5.04)	1.08 (0.54-2.15)	9.03E-02	1.49E-01	6.82E-01
rs4792825	CRHR1	17	41,275,461	0.13	Add	0.88 (0.52-1.49)	2.13 (1.24-3.66)	0.76 (0.3-1.93)	5.40E-02	1.27E-01	6.83E-01
rs7863731	FREQ (NCS1)	9	132,042,626	0.39	Dom	0.69 (0.42-1.14)	0.79 (0.37-1.68)	2.53 (1.32-4.89)	2.26E-02	3.48E-02	6.84E-01
rs2072659	CHRN2	1	152,815,145	0.10	Add	0.53 (0.24-1.18)	1.64 (0.96-2.8)	3.32 (0.69-16)	4.04E-01	2.23E-01	6.84E-01
rs4646312	COMT	22	18,328,337	0.37	Add	1.15 (0.83-1.61)	0.98 (0.49-2)	1.97 (1.18-3.28)	4.61E-02	6.86E-02	6.85E-01
rs692780	CHRNA5	15	76,663,560	0.37	Dom	0.93 (0.57-1.53)	3.01 (1.38-6.57)	1.13 (0.61-2.1)	5.49E-02	1.33E-01	6.88E-01
rs265976	DRD1	5	174,795,026	0.18	Dom	0.54 (0.3-0.95)	1.6 (0.92-2.79)	2.18 (0.79-6.06)	5.99E-01	8.47E-02	6.90E-01
rs12453682	PPP1R1B	17	35,023,531	0.32	Dom	0.74 (0.46-1.2)	2.12 (1.06-4.27)	1.35 (0.69-2.64)	3.60E-01	2.70E-01	6.90E-01
rs3777464	EPB41L2	6	131,308,450	0.10	Add	0.77 (0.42-1.41)	2.07 (1.21-3.52)	0.62 (0.21-1.86)	4.96E-02	9.45E-02	6.94E-01
rs1948	CHRNA3;CHRN4	15	76,704,454	0.35	Dom	0.81 (0.5-1.32)	2.7 (1.31-5.57)	1.16 (0.61-2.22)	9.01E-02	1.38E-01	6.95E-01
rs356220	SNCA	4	90,860,363	0.36	Add	0.92 (0.62-1.39)	0.8 (0.38-1.68)	1.96 (1.08-3.55)	3.27E-02	9.52E-02	6.97E-01
rs165656	COMT	22	18,328,863	0.47	Add	1.23 (0.89-1.71)	0.98 (0.44-2.19)	1.77 (1.09-2.89)	8.00E-02	7.03E-02	6.99E-01
rs4947644	DDC	7	50,586,370	0.50	Dom	1.56 (0.79-3.08)	5.6 (1.52-20.67)	1.28 (0.74-2.18)	4.02E-02	6.58E-02	6.99E-01
rs10445364	CRHR1	17	41,272,136	0.20	Add	1.29 (0.85-1.97)	1.28 (0.7-2.34)	2.44 (1.22-4.85)	1.37E-01	1.40E-01	7.03E-01
rs265975	DRD1	5	174,794,801	0.33	Add	0.6 (0.37-0.97)	2.07 (1.07-4)	1.37 (0.77-2.43)	6.31E-01	8.19E-02	7.04E-01
rs356203	SNCA	4	90,885,064	0.38	Add	0.87 (0.6-1.28)	0.93 (0.46-1.9)	2.1 (1.22-3.63)	3.81E-02	1.06E-01	7.05E-01
rs6532190	SNCA	4	90,938,219	0.06	Dom	1.21 (0.56-2.61)	1.4 (0.84-2.34)	6.18 (1.4-27.26)	6.39E-02	1.18E-01	7.07E-01
rs17016188	SNCA	4	90,940,903	0.06	Dom	1.21 (0.56-2.61)	1.4 (0.84-2.34)	6.18 (1.4-27.26)	6.39E-02	1.18E-01	7.08E-01
rs514743	CHRNA3;CHRNA5	15	76,671,282	0.37	Dom	0.93 (0.57-1.53)	2.88 (1.32-6.28)	1.16 (0.63-2.16)	7.45E-02	1.74E-01	7.09E-01
rs11765748	DDC	7	50,583,110	0.49	Dom	1.68 (0.85-3.32)	5.24 (1.42-19.28)	1.31 (0.76-2.24)	5.39E-02	6.93E-02	7.11E-01
rs4837479	FREQ (NCS1)	9	131,979,828	0.15	Dom	0.9 (0.51-1.58)	1.16 (0.67-2.03)	4.53 (1.65-12.5)	2.12E-02	5.76E-02	7.12E-01
rs709611	FREQ (NCS1)	9	132,038,180	0.28	Dom	1.38 (0.94-2.04)	2.91 (1.38-6.12)	1.02 (0.53-1.96)	4.03E-02	4.29E-02	7.13E-01
rs1878399	CHRNA3;CHRN4	15	76,699,058	0.42	Dom	0.73 (0.44-1.22)	2.6 (1.17-5.78)	1.35 (0.73-2.49)	2.02E-01	1.67E-01	7.14E-01
rs1051730	CHRNA3;CHRNA5	15	76,681,394	0.41	Add	0.96 (0.68-1.36)	0.93 (0.45-1.93)	1.86 (1.11-3.11)	5.35E-02	1.49E-01	7.16E-01
rs16891620	CHRNA6	8	42,744,820	0.11	Add	0.64 (0.35-1.18)	1.53 (0.91-2.6)	2.29 (0.74-7.12)	5.25E-01	3.03E-01	7.16E-01
rs10499695	DDC	7	50,586,098	0.49	Dom	1.77 (0.89-3.51)	4.93 (1.33-18.22)	1.34 (0.78-2.3)	7.12E-02	7.16E-02	7.17E-01
rs6277	ANKK1	11	112,788,669	0.48	Dom	0.61 (0.36-1.04)	2.49 (1.02-6.07)	1.36 (0.75-2.44)	2.63E-01	5.90E-02	7.18E-01
rs7369949	CREB1	2	208,159,033	0.36	Add	0.73 (0.51-1.05)	1.55 (0.79-3.03)	1.73 (0.99-3.02)	7.61E-01	2.27E-01	7.20E-01
rs6495309	CHRNA3;CHRN4	15	76,702,300	0.15	Add	1.17 (0.73-1.87)	2.17 (1.2-3.91)	1.02 (0.46-2.24)	1.17E-01	2.37E-01	7.21E-01
rs2867383	DRD5	4	9,397,033	0.32	Add	1.14 (0.7-1.85)	1.45 (0.74-2.87)	1.79 (1.05-3.06)	3.04E-01	4.73E-01	7.22E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs9616	CHRNA2	1	152,822,357	0.27	Add	1.33 (0.92-1.94)	1.61 (0.83-3.13)	1.65 (0.93-2.92)	9.58E-01	3.19E-01	7.25E-01
rs7539745	CHRNA2	1	152,793,038	0.14	Dom	1.57 (0.93-2.65)	1.91 (1.06-3.43)	1.27 (0.53-3.05)	4.50E-01	2.00E-01	7.25E-01
rs3730168	GNAS	20	56,912,334	0.34	Add	0.68 (0.47-0.99)	1.85 (0.96-3.54)	1.51 (0.85-2.68)	5.96E-01	8.69E-02	7.25E-01
rs1127313	CHRNA2	1	152,823,049	0.47	Dom	1.32 (0.93-1.89)	2.45 (0.85-7.09)	1.48 (0.86-2.55)	8.88E-01	2.78E-01	7.26E-01
rs1587176	DRD1	5	174,783,796	0.16	Add	0.59 (0.35-1.01)	1.65 (0.96-2.85)	1.9 (0.72-5.02)	8.01E-01	1.30E-01	7.28E-01
rs7655090	DRD5	4	9,374,973	0.32	Add	1.22 (0.85-1.74)	1.51 (0.76-2.99)	1.76 (1.03-3)	6.71E-01	5.04E-01	7.29E-01
rs11667211	KLF16	19	1,790,483	0.14	Add	1.33 (0.84-2.11)	1.57 (0.89-2.77)	2.13 (0.96-4.72)	5.16E-01	4.17E-01	7.30E-01
rs835540	DRD1	5	174,796,497	0.27	Dom	1.61 (1-2.61)	1.45 (0.75-2.8)	2.09 (1.02-4.29)	4.60E-01	9.34E-02	7.31E-01
rs3761264	GNAS	20	56,846,766	0.43	Dom	1.27 (0.73-2.22)	4.33 (1.6-11.7)	1.15 (0.65-2.02)	2.34E-02	5.77E-02	7.33E-01
rs7118900	ANKK1	11	112,772,031	0.20	Add	0.64 (0.4-1.01)	1.95 (1.1-3.44)	1.37 (0.62-3.05)	4.61E-01	7.42E-02	7.36E-01
rs8137828	COMT	22	18,303,406	0.49	Add	0.89 (0.64-1.25)	3.24 (1.42-7.41)	1.62 (1-2.64)	4.57E-02	8.48E-02	7.40E-01
rs11633223	CHRNA4	15	76,722,531	0.38	Dom	0.86 (0.52-1.41)	2.8 (1.3-6.03)	1.18 (0.63-2.21)	8.78E-02	1.69E-01	7.41E-01
rs835634	NCK1	3	138,158,993	0.41	Dom	1.59 (0.92-2.72)	2.68 (1.04-6.9)	1.42 (0.8-2.51)	2.61E-01	1.61E-01	7.45E-01
rs7178270	CHRNA3;CHRNA4	15	76,708,132	0.40	Dom	0.98 (0.59-1.62)	3 (1.32-6.83)	1.2 (0.66-2.18)	7.69E-02	1.94E-01	7.46E-01
rs891507	CDK5	7	150,382,999	0.15	Dom	0.65 (0.35-1.2)	1.44 (0.82-2.53)	3.05 (1.01-9.23)	2.38E-01	2.31E-01	7.47E-01
rs737865	COMT	22	18,310,121	0.27	Dom	1.35 (0.84-2.19)	1.18 (0.59-2.34)	2.41 (1.22-4.76)	1.46E-01	1.24E-01	7.49E-01
rs1495099	PPP1R1B	17	35,037,990	0.30	Dom	0.77 (0.48-1.25)	2.08 (1.06-4.08)	1.3 (0.65-2.62)	3.48E-01	3.27E-01	7.52E-01
rs3793336	CDK5	7	150,393,804	0.15	Add	0.74 (0.37-1.47)	1.42 (0.73-2.76)	4.73 (1.29-17.32)	9.86E-02	1.99E-01	7.54E-01
rs1549760	CDK5	7	150,386,772	0.21	Dom	1.39 (0.85-2.26)	2.23 (1.15-4.3)	1.17 (0.56-2.41)	1.97E-01	2.13E-01	7.59E-01
rs6518592	COMT	22	18,307,146	0.45	Dom	0.7 (0.42-1.17)	2.63 (1.14-6.08)	1.34 (0.74-2.42)	1.96E-01	1.35E-01	7.59E-01
rs2565059	CHRNA2	8	27,392,895	0.19	Add	1.48 (0.98-2.24)	1.43 (0.78-2.63)	2.15 (1.09-4.21)	3.43E-01	1.06E-01	7.61E-01
rs3753612	HCRTR1	1	31,854,997	0.47	Add	0.83 (0.48-1.44)	1.22 (0.53-2.78)	1.76 (1.06-2.92)	1.89E-01	3.54E-01	7.64E-01
rs8006462	CALM1	14	89,948,429	0.35	Add	1.38 (0.98-1.95)	1.86 (0.89-3.91)	1.74 (1.05-2.9)	8.51E-01	1.90E-01	7.67E-01
rs10939515	DRD5	4	9,382,394	0.18	Dom	1.44 (0.87-2.36)	1.77 (0.97-3.23)	1.44 (0.64-3.21)	6.86E-01	3.61E-01	7.68E-01
rs4789182	GRB2	17	70,886,540	0.32	Dom	0.9 (0.63-1.29)	1.94 (0.95-3.96)	1.42 (0.73-2.75)	4.89E-01	6.44E-01	7.70E-01
rs7638876	DRD3	3	115,376,990	0.35	Add	1.37 (0.97-1.95)	2.28 (1.08-4.81)	1.57 (0.94-2.61)	2.95E-01	1.30E-01	7.70E-01
rs1213365	HTR1B	6	78,233,274	0.50	Dom	1.92 (0.95-3.88)	4.44 (1.17-16.89)	1.43 (0.82-2.49)	1.25E-01	7.60E-02	7.74E-01
rs610231	OPRM1	6	154,420,170	0.12	Add	0.63 (0.35-1.13)	1.92 (1.13-3.27)	0.94 (0.33-2.74)	2.34E-01	9.08E-02	7.74E-01
rs13428823	POMC	2	25,226,802	0.37	Add	0.82 (0.57-1.18)	2.22 (1.09-4.53)	1.47 (0.87-2.48)	2.67E-01	2.68E-01	7.77E-01
rs6545976	POMC	2	25,248,154	0.05	Add	1.6 (0.79-3.26)	1.85 (1.1-3.12)	0.93 (0.25-3.44)	3.38E-01	2.68E-01	7.80E-01
rs6280	DRD3	3	115,373,505	0.34	Add	1.35 (0.94-1.94)	2.57 (1.2-5.51)	1.6 (0.95-2.7)	2.03E-01	1.36E-01	7.82E-01
rs9825563	DRD3	3	115,382,910	0.31	Dom	1.11 (0.68-1.8)	2.04 (0.98-4.23)	1.5 (0.78-2.9)	5.45E-01	7.87E-01	7.87E-01
rs1936158	HTR1B	6	78,241,094	0.41	Dom	0.67 (0.41-1.1)	2.44 (1.12-5.31)	1.26 (0.67-2.35)	1.95E-01	8.55E-02	7.88E-01
rs4887069	CHRNA3;CHRNA4	15	76,696,125	0.17	Add	1.05 (0.66-1.67)	2.09 (1.15-3.77)	1.08 (0.5-2.32)	1.61E-01	3.65E-01	7.88E-01
rs637137	CHRNA5	15	76,661,031	0.16	Add	1.25 (0.79-1.99)	2.05 (1.12-3.75)	1.24 (0.58-2.63)	2.84E-01	3.61E-01	7.89E-01
rs667282	CHRNA5	15	76,650,527	0.16	Add	1.25 (0.79-1.99)	2.05 (1.12-3.75)	1.24 (0.58-2.63)	2.84E-01	3.61E-01	7.89E-01
rs165824	COMT	22	18,339,366	0.08	Dom	1.19 (0.57-2.47)	1.4 (0.82-2.4)	4.93 (1.22-19.93)	9.99E-02	1.30E-01	7.89E-01
rs1044396	CHRNA4	20	61,451,578	0.44	Add	0.84 (0.58-1.23)	2.7 (1.18-6.18)	1.47 (0.87-2.48)	1.15E-01	1.48E-01	7.92E-01
rs10914457	HCRTR1	1	31,866,848	0.40	Add	0.97 (0.68-1.4)	2.33 (1.06-5.09)	1.66 (0.98-2.8)	3.66E-01	6.49E-01	7.92E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs6271	DBH	9	135,512,095	0.08	Dom	0.4 (0.14-1.16)	1.55 (0.93-2.58)	7.18 (0.83-62.14)	1.76E-01	9.58E-02	7.92E-01
rs10914456	HCRTR1	1	31,860,758	0.45	Dom	0.74 (0.42-1.3)	2.04 (0.8-5.2)	2 (1.04-3.82)	9.70E-01	5.79E-01	7.93E-01
rs2303937	CDK5	7	150,399,719	0.45	Dom	1.45 (0.82-2.58)	2.84 (1.01-8)	1.41 (0.81-2.44)	2.41E-01	2.63E-01	7.94E-01
rs1004446	TH	11	2,126,719	0.38	Dom	1.34 (0.79-2.25)	3.1 (1.28-7.48)	1.22 (0.67-2.2)	8.63E-02	1.56E-01	7.96E-01
rs356165	SNCA	4	90,865,909	0.40	Add	0.89 (0.59-1.34)	0.91 (0.42-2.02)	2.12 (1.19-3.76)	4.69E-02	1.31E-01	7.97E-01
rs174699	COMT	22	18,334,458	0.05	Dom	0.92 (0.37-2.26)	1.5 (0.91-2.47)	5 (0.85-29.47)	2.00E-01	4.06E-01	7.97E-01
rs5993883	COMT	22	18,317,638	0.49	Dom	0.98 (0.57-1.69)	0.71 (0.28-1.8)	2.26 (1.28-4)	3.74E-02	1.14E-01	7.99E-01
rs10988625	FREQ (NCS1)	9	131,967,389	0.06	Dom	0.58 (0.2-1.68)	1.38 (0.83-2.29)	12.02 (1.38-104.57)	5.62E-02	6.85E-02	7.99E-01
rs6334	NTRK1	1	155,112,857	0.24	Dom	1.51 (0.93-2.46)	1.85 (0.94-3.65)	1.6 (0.79-3.23)	7.70E-01	2.41E-01	8.00E-01
rs17690326	CRHR1	17	41,276,754	0.20	Add	1.26 (0.83-1.92)	1.28 (0.7-2.33)	2.35 (1.18-4.69)	1.58E-01	1.86E-01	8.03E-01
rs3795955	POMC	2	25,228,609	0.25	Dom	0.92 (0.56-1.5)	2.21 (1.18-4.14)	1.09 (0.5-2.34)	1.59E-01	3.27E-01	8.03E-01
rs11737901	SLC6A3	5	1,483,616	0.34	Dom	1.18 (0.72-1.94)	0.88 (0.4-1.91)	2.48 (1.32-4.65)	4.23E-02	8.62E-02	8.04E-01
rs3743073	CHRNA3;CHRNB4	15	76,696,594	0.38	Dom	0.94 (0.57-1.53)	2.72 (1.24-5.96)	1.22 (0.66-2.26)	1.17E-01	2.59E-01	8.06E-01
rs755203	CHRNA4	20	61,464,708	0.42	Add	0.81 (0.56-1.16)	2.42 (1.11-5.29)	1.58 (0.94-2.66)	2.60E-01	2.06E-01	8.06E-01
rs7589318	POMC	2	25,231,876	0.28	Dom	0.77 (0.52-1.13)	1.62 (0.85-3.08)	1.72 (0.83-3.55)	9.38E-01	3.95E-01	8.07E-01
rs4870266	OPRM1	6	154,410,691	0.07	Add	1.8 (0.95-3.4)	1.54 (0.9-2.61)	2.5 (0.77-8.08)	4.58E-01	1.30E-01	8.10E-01
rs4797325	ADCYAP1	18	879,905	0.40	Dom	0.62 (0.38-1.02)	1.19 (0.56-2.55)	2.1 (1.09-4.06)	2.70E-01	1.10E-01	8.11E-01
rs2985331	EPB41	1	29,207,950	0.15	Dom	1.71 (1.03-2.84)	1.67 (0.91-3.05)	1.83 (0.81-4.16)	8.58E-01	1.16E-01	8.11E-01
rs1800497	ANKK1	11	112,776,038	0.22	Dom	0.59 (0.34-1.02)	1.8 (0.97-3.34)	1.62 (0.65-4.07)	8.53E-01	1.29E-01	8.17E-01
rs938682	CHRNA3	15	76,683,602	0.16	Add	1.21 (0.76-1.93)	2.02 (1.12-3.66)	1.22 (0.57-2.61)	2.82E-01	4.09E-01	8.19E-01
rs3743075	CHRNA3;CHRNB4	15	76,696,507	0.37	Dom	0.99 (0.6-1.62)	2.7 (1.23-5.91)	1.22 (0.66-2.25)	1.16E-01	2.79E-01	8.22E-01
rs887200	COMT	22	18,343,666	0.13	Dom	1.67 (0.97-2.9)	2.08 (1.14-3.82)	1.21 (0.48-3.02)	3.34E-01	1.38E-01	8.28E-01
rs3743078	CHRNA3;CHRNA5	15	76,681,814	0.17	Add	1.21 (0.77-1.9)	1.97 (1.08-3.59)	1.32 (0.63-2.75)	3.81E-01	4.77E-01	8.29E-01
rs2168631	DRD1	5	174,808,608	0.17	Add	1.41 (0.92-2.18)	2.1 (1.14-3.85)	1.16 (0.57-2.36)	1.86E-01	1.58E-01	8.37E-01
rs684513	CHRNA5	15	76,645,455	0.14	Dom	1.31 (0.77-2.21)	1.96 (1.09-3.55)	1.35 (0.56-3.24)	4.87E-01	4.95E-01	8.37E-01
rs9972882	PPP1R1B	17	35,061,224	0.27	Dom	0.95 (0.58-1.53)	2.09 (1.09-4.02)	1.26 (0.62-2.57)	3.00E-01	5.49E-01	8.39E-01
rs7543174	CHRNB2	1	152,794,296	0.16	Dom	1.32 (0.79-2.21)	1.78 (0.99-3.19)	1.45 (0.62-3.42)	7.04E-01	5.49E-01	8.39E-01
rs3773679	DRD3	3	115,352,025	0.39	Dom	0.82 (0.5-1.34)	0.96 (0.45-2.05)	2.39 (1.27-4.53)	7.12E-02	1.59E-01	8.39E-01
rs234628	GNAS	20	56,919,006	0.43	Add	1.42 (1-2.02)	2.05 (0.9-4.72)	1.69 (1.04-2.75)	5.81E-01	1.27E-01	8.40E-01
rs11603404	DRD4	11	646,940	0.15	Dom	0.91 (0.52-1.58)	1.26 (0.72-2.21)	3.49 (1.31-9.24)	7.75E-02	1.96E-01	8.40E-01
rs11766415	PRKAR2B	7	106,496,001	0.43	Add	1 (0.71-1.4)	0.9 (0.43-1.9)	1.86 (1.13-3.07)	3.97E-02	1.15E-01	8.42E-01
rs879606	PPP1R1B	17	35,035,375	0.19	Add	1.29 (0.86-1.94)	1.64 (0.91-2.96)	1.64 (0.83-3.24)	9.95E-01	4.78E-01	8.44E-01
rs11739696	DRD1	5	174,789,227	0.39	Add	1.36 (0.98-1.9)	1.44 (0.68-3.05)	1.74 (1.06-2.85)	5.88E-01	1.46E-01	8.47E-01
rs267417	DRD1	5	174,813,120	0.39	Add	0.8 (0.57-1.13)	1.13 (0.58-2.22)	2.01 (1.16-3.46)	1.06E-01	1.45E-01	8.47E-01
rs6509214	FOSB	19	50,673,655	0.34	Dom	0.87 (0.54-1.41)	1.64 (0.81-3.32)	1.79 (0.91-3.5)	8.66E-01	8.48E-01	8.48E-01
rs11265320	KCNJ9	1	158,336,536	0.48	Add	0.95 (0.68-1.32)	2.41 (1.06-5.47)	1.64 (1.01-2.66)	2.70E-01	4.79E-01	8.48E-01
rs9044	TDO2	4	157,065,537	0.50	Dom	0.65 (0.39-1.09)	1.57 (0.67-3.66)	1.71 (0.95-3.07)	8.72E-01	2.74E-01	8.50E-01
rs4485648	COMT	22	18,299,405	0.18	Add	0.7 (0.44-1.14)	1.57 (0.89-2.75)	1.92 (0.83-4.46)	6.83E-01	3.37E-01	8.50E-01
rs1343491	HTR1B	6	78,247,981	0.08	Add	0.84 (0.44-1.61)	2.04 (1.2-3.47)	0.57 (0.17-1.87)	5.10E-02	1.30E-01	8.52E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs3777438	EPB41L2	6	131,241,795	0.16	Dom	0.98 (0.58-1.66)	2.23 (1.24-4.01)	0.83 (0.34-2.02)	6.98E-02	1.87E-01	8.52E-01
rs963468	DRD3	3	115,345,577	0.39	Dom	0.8 (0.49-1.32)	0.97 (0.45-2.09)	2.37 (1.26-4.48)	7.96E-02	1.67E-01	8.52E-01
rs9321260	EPB41L2	6	131,305,235	0.19	Dom	1.04 (0.63-1.72)	2.3 (1.26-4.2)	0.89 (0.39-2.01)	6.65E-02	1.86E-01	8.52E-01
rs1544325	COMT	22	18,311,668	0.45	Add	0.85 (0.61-1.19)	2.71 (1.25-5.87)	1.56 (0.95-2.54)	1.12E-01	1.52E-01	8.52E-01
rs740603	COMT	22	18,325,177	0.49	Dom	1.17 (0.67-2.02)	0.9 (0.35-2.32)	2.07 (1.18-3.62)	1.40E-01	2.57E-01	8.54E-01
rs3180694	KCNJ9	1	158,328,008	0.12	Dom	0.9 (0.5-1.61)	1.47 (0.85-2.53)	2.57 (0.9-7.38)	3.53E-01	6.32E-01	8.57E-01
rs2536503	PRKAR2B	7	106,501,051	0.12	Add	0.66 (0.38-1.15)	1.9 (1.11-3.24)	0.98 (0.36-2.7)	2.47E-01	1.45E-01	8.57E-01
rs11564753	SLC6A3	5	1,496,990	0.21	Add	0.91 (0.6-1.38)	1.83 (1.02-3.27)	1.43 (0.71-2.88)	5.66E-01	7.51E-01	8.57E-01
rs7569963	CREB1	2	208,181,429	0.29	Add	0.77 (0.51-1.14)	1.45 (0.77-2.73)	1.85 (0.99-3.45)	5.58E-01	3.79E-01	8.58E-01
rs2292536	TDO2	4	157,059,101	0.47	Add	1.19 (0.86-1.65)	1.81 (0.8-4.07)	1.68 (1.04-2.72)	8.25E-01	5.65E-01	8.59E-01
rs11765015	CDK5	7	150,401,765	0.26	Dom	1.27 (0.79-2.05)	1.95 (0.99-3.87)	1.39 (0.7-2.76)	4.94E-01	5.27E-01	8.59E-01
rs3822090	SNCA	4	90,923,899	0.13	Dom	1.27 (0.73-2.23)	1.36 (0.78-2.37)	3.31 (1.23-8.89)	1.24E-01	1.94E-01	8.59E-01
rs12718574	DDC	7	50,541,342	0.44	Dom	0.78 (0.46-1.31)	2.99 (1.24-7.18)	1.25 (0.7-2.25)	1.06E-01	1.24E-01	8.59E-01
rs6702335	EPB41	1	29,283,837	0.38	Add	0.7 (0.49-1)	1.69 (0.85-3.36)	1.61 (0.94-2.74)	8.94E-01	1.28E-01	8.61E-01
rs10932201	CREB1	2	208,134,502	0.46	Add	1.25 (0.88-1.77)	1.95 (0.84-4.54)	1.66 (1.02-2.69)	6.50E-01	4.37E-01	8.64E-01
rs6350	SLC6A3	5	1,496,199	0.06	Add	0.44 (0.17-1.1)	1.63 (0.99-2.7)	2.03 (0.33-12.34)	8.20E-01	1.53E-01	8.65E-01
rs4665775	POMC	2	25,260,625	0.21	Add	0.75 (0.48-1.18)	1.45 (0.81-2.59)	2.04 (0.93-4.48)	4.66E-01	4.06E-01	8.65E-01
rs2871047	COMT	22	18,306,331	0.06	Add	1.83 (0.95-3.53)	1.68 (1-2.83)	1.3 (0.38-4.47)	7.02E-01	2.11E-01	8.67E-01
rs806374	CNR1	6	88,914,039	0.35	Add	1.01 (0.7-1.45)	2.85 (1.39-5.85)	1.32 (0.78-2.24)	4.08E-02	1.20E-01	8.67E-01
rs578776	CHRNA3;CHRNA5	15	76,675,455	0.21	Add	1.01 (0.65-1.56)	1.9 (1.03-3.52)	1.39 (0.69-2.78)	4.81E-01	7.79E-01	8.69E-01
rs6413429	SLC6A3	5	1,500,027	0.06	Add	0.44 (0.17-1.09)	1.63 (0.99-2.69)	2.09 (0.34-12.71)	7.93E-01	1.52E-01	8.69E-01
rs887199	COMT	22	18,341,955	0.15	Dom	1.56 (0.93-2.62)	1.9 (1.05-3.43)	1.26 (0.54-2.95)	4.36E-01	2.06E-01	8.69E-01
rs1150143	NR4A2	2	156,885,862	0.34	Dom	1.07 (0.66-1.74)	1.08 (0.52-2.24)	2.29 (1.2-4.38)	1.30E-01	2.85E-01	8.71E-01
rs732215	DDC	7	50,511,557	0.45	Dom	0.83 (0.49-1.41)	3.23 (1.3-8.05)	1.25 (0.7-2.23)	8.56E-02	1.29E-01	8.71E-01
rs17635123	DDC	7	50,543,469	0.12	Dom	1.6 (0.92-2.77)	1.5 (0.86-2.64)	2.61 (1.01-6.75)	3.27E-01	1.52E-01	8.72E-01
rs6454672	CNR1	6	88,918,289	0.14	Dom	0.74 (0.42-1.31)	2.06 (1.18-3.61)	0.8 (0.29-2.19)	1.08E-01	1.45E-01	8.72E-01
rs4602840	DDC	7	50,530,315	0.13	Dom	1.6 (0.92-2.77)	1.5 (0.86-2.64)	2.61 (1.01-6.75)	3.27E-01	1.52E-01	8.73E-01
rs2273504	CHRNA4	20	61,458,505	0.15	Add	0.78 (0.46-1.32)	2.05 (1.16-3.6)	1.11 (0.44-2.83)	2.61E-01	2.54E-01	8.73E-01
rs8081778	GRB2	17	70,823,867	0.19	Add	0.83 (0.54-1.3)	1.54 (0.86-2.75)	1.86 (0.88-3.94)	6.77E-01	6.89E-01	8.73E-01
rs12441998	CHRNA4	15	76,716,427	0.17	Dom	1.12 (0.67-1.88)	1.98 (1.09-3.58)	1.18 (0.5-2.76)	3.29E-01	5.72E-01	8.74E-01
rs2471005	DRD1	5	174,814,813	0.39	Add	0.8 (0.57-1.14)	1.13 (0.58-2.22)	1.99 (1.15-3.44)	1.14E-01	1.61E-01	8.74E-01
rs4975646	SLC6A3	5	1,486,401	0.36	Dom	1.15 (0.7-1.88)	0.93 (0.43-2.04)	2.35 (1.26-4.4)	7.07E-02	1.50E-01	8.77E-01
rs9607272	MAPK1	22	20,466,398	0.25	Dom	1.02 (0.63-1.66)	2.35 (1.21-4.56)	1.09 (0.53-2.23)	1.24E-01	3.03E-01	8.77E-01
rs3777457	EPB41L2	6	131,291,580	0.17	Dom	0.98 (0.59-1.65)	2.23 (1.23-4.01)	0.87 (0.37-2.06)	7.82E-02	2.07E-01	8.78E-01
rs2896135	CALM1	14	89,950,493	0.42	Add	1.32 (0.94-1.84)	1.98 (0.89-4.4)	1.67 (1.03-2.72)	6.22E-01	2.64E-01	8.78E-01
rs2044859	DDC	7	50,580,056	0.35	Add	1.38 (0.96-1.99)	2.08 (0.98-4.44)	1.56 (0.94-2.59)	4.39E-01	1.95E-01	8.78E-01
rs1874228	PPP1R1B	17	35,028,800	0.27	Dom	0.78 (0.48-1.28)	1.97 (1.02-3.77)	1.42 (0.68-2.97)	5.19E-01	4.50E-01	8.78E-01
rs165599	COMT	22	18,336,781	0.32	Add	1.39 (0.97-1.99)	1.75 (0.86-3.58)	1.77 (1.05-2.98)	9.83E-01	1.95E-01	8.79E-01
rs12528626	EPB41L2	6	131,291,090	0.09	Add	0.76 (0.4-1.47)	1.97 (1.16-3.33)	0.65 (0.19-2.14)	9.15E-02	1.83E-01	8.79E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs165815	COMT	22	18,339,473	0.15	Dom	1.52 (0.9-2.54)	1.9 (1.05-3.43)	1.26 (0.54-2.94)	4.38E-01	2.44E-01	8.84E-01
rs265977	DRD1	5	174,795,863	0.17	Dom	0.6 (0.34-1.06)	1.58 (0.91-2.74)	2.17 (0.78-6.05)	5.91E-01	1.92E-01	8.84E-01
rs2273505	CHRNA4	20	61,461,322	0.07	Dom	0.8 (0.38-1.69)	2.02 (1.17-3.5)	0.62 (0.16-2.43)	1.15E-01	2.52E-01	8.87E-01
rs4646316	COMT	22	18,332,132	0.21	Add	1.37 (0.91-2.07)	1.55 (0.84-2.89)	1.68 (0.87-3.24)	8.52E-01	3.11E-01	8.87E-01
rs1150144	NR4A2	2	156,886,749	0.31	Dom	1.1 (0.68-1.78)	1.14 (0.57-2.31)	2.29 (1.17-4.47)	1.61E-01	3.18E-01	8.87E-01
rs7045735	FREQ (NCS1)	9	132,004,454	0.40	Dom	1.14 (0.65-2.01)	4.08 (1.54-10.8)	1.13 (0.62-2.08)	2.90E-02	7.59E-02	8.89E-01
rs2266999	GNAZ	22	21,781,775	0.28	Add	1.38 (0.97-1.98)	1.69 (0.88-3.26)	1.56 (0.89-2.73)	8.24E-01	2.09E-01	8.89E-01
rs1316971	CHRNB4	15	76,717,565	0.17	Add	1.11 (0.66-1.86)	1.87 (1.05-3.34)	1.4 (0.67-2.91)	3.52E-01	6.07E-01	8.90E-01
rs4522666	CHRNA4	20	61,444,924	0.36	Dom	1.07 (0.66-1.75)	1.02 (0.47-2.21)	2.27 (1.22-4.22)	1.15E-01	2.55E-01	8.90E-01
rs2753268	KCNJ9	1	158,324,876	0.31	Dom	0.87 (0.54-1.41)	2.25 (1.1-4.6)	1.25 (0.64-2.42)	2.36E-01	3.82E-01	8.90E-01
rs265981	DRD1	5	174,803,508	0.41	Dom	0.83 (0.5-1.37)	0.96 (0.45-2.06)	2.12 (1.07-4.18)	1.28E-01	2.51E-01	8.91E-01
rs943551	NTRK1	1	155,122,121	0.07	Dom	1.51 (0.78-2.9)	1.8 (1.06-3.05)	1.14 (0.34-3.8)	5.00E-01	4.01E-01	8.93E-01
rs3822095	SNCA	4	90,955,540	0.37	Add	0.9 (0.62-1.3)	1.83 (0.89-3.79)	1.62 (0.96-2.73)	7.40E-01	7.65E-01	8.94E-01
rs5751579	GNAZ	22	21,759,224	0.27	Add	1.59 (0.98-2.56)	1.72 (0.9-3.32)	1.55 (0.89-2.71)	6.25E-01	1.64E-01	8.94E-01
rs9867325	NCK1	3	138,101,599	0.23	Add	0.97 (0.65-1.46)	1.46 (0.8-2.66)	1.94 (0.99-3.78)	4.95E-01	7.89E-01	8.95E-01
rs2196128	CHRNA6	8	42,737,443	0.21	Add	0.77 (0.49-1.2)	1.56 (0.87-2.81)	1.75 (0.83-3.67)	8.04E-01	4.97E-01	8.95E-01
rs7219	GRB2	17	70,826,963	0.27	Dom	0.8 (0.5-1.29)	1.71 (0.89-3.29)	1.57 (0.77-3.22)	8.68E-01	6.37E-01	8.97E-01
rs943552	NTRK1	1	155,122,242	0.07	Dom	1.5 (0.78-2.89)	1.78 (1.05-3.03)	1.14 (0.34-3.81)	5.08E-01	4.08E-01	8.98E-01
rs203277	EPB41	1	29,107,918	0.29	Dom	1.53 (0.94-2.47)	1.61 (0.78-3.31)	1.78 (0.93-3.4)	8.43E-01	2.06E-01	9.00E-01
rs1310277	DRD1	5	174,786,176	0.13	Dom	0.84 (0.48-1.48)	2.04 (1.17-3.57)	0.86 (0.32-2.29)	1.31E-01	2.50E-01	9.00E-01
rs10743149	TH	11	2,150,751	0.14	Add	1.16 (0.72-1.88)	1.65 (0.94-2.9)	1.64 (0.72-3.76)	9.87E-01	8.24E-01	9.01E-01
rs4603829	CHRNA4	20	61,439,336	0.36	Add	1.02 (0.72-1.45)	1.49 (0.74-3)	1.73 (1.03-2.92)	6.77E-01	9.01E-01	9.01E-01
rs2762682	EPB41	1	29,182,405	0.29	Dom	1.53 (0.94-2.47)	1.61 (0.78-3.31)	1.78 (0.93-3.4)	8.43E-01	2.06E-01	9.01E-01
rs2985344	EPB41	1	29,176,902	0.29	Dom	1.53 (0.94-2.47)	1.61 (0.78-3.31)	1.78 (0.93-3.4)	8.43E-01	2.06E-01	9.01E-01
rs150085	EPB41	1	29,120,374	0.29	Dom	1.53 (0.94-2.47)	1.61 (0.78-3.31)	1.78 (0.93-3.4)	8.43E-01	2.06E-01	9.01E-01
rs2453737	DRD1	5	174,791,508	0.39	Dom	1.32 (0.95-1.83)	1.52 (0.66-3.47)	1.77 (0.98-3.2)	6.45E-01	2.11E-01	9.02E-01
rs7281040	CLIC6	21	34,978,271	0.20	Add	0.88 (0.58-1.35)	1.72 (0.96-3.09)	1.55 (0.76-3.17)	8.14E-01	8.05E-01	9.02E-01
rs7017612	CHRNA6;CHRNB3	8	42,718,402	0.20	Dom	0.87 (0.52-1.46)	1.4 (0.77-2.53)	2.44 (1.03-5.8)	3.00E-01	5.44E-01	9.03E-01
rs2069459	CDK5	7	150,382,523	0.38	Add	0.9 (0.63-1.3)	1.47 (0.72-2.99)	1.77 (1.04-3.01)	6.23E-01	7.76E-01	9.03E-01
rs2644596	NTRK1	1	155,118,938	0.20	Add	1.06 (0.7-1.62)	1.79 (0.98-3.28)	1.51 (0.76-3.01)	7.00E-01	9.04E-01	9.04E-01
rs13710	FREQ (NCS1)	9	132,037,596	0.29	Add	1.23 (0.85-1.8)	2.67 (1.34-5.32)	1.24 (0.71-2.16)	4.64E-02	8.66E-02	9.04E-01
rs834829	NR4A2	2	156,909,095	0.31	Dom	1.2 (0.74-1.94)	1.21 (0.6-2.47)	2.16 (1.12-4.17)	2.45E-01	3.45E-01	9.04E-01
rs936461	DRD4	11	626,496	0.35	Dom	1.4 (0.83-2.35)	2.64 (1.11-6.25)	1.34 (0.73-2.46)	2.10E-01	2.39E-01	9.06E-01
rs2076371	PRKCABP	22	36,804,642	0.29	Add	1.02 (0.63-1.65)	1.84 (0.95-3.59)	1.55 (0.88-2.74)	4.97E-01	7.93E-01	9.06E-01
rs9610470	MAPK1	22	20,539,139	0.26	Dom	0.94 (0.58-1.52)	2.28 (1.17-4.45)	1.13 (0.56-2.31)	1.61E-01	3.40E-01	9.07E-01
rs11043003	TH	11	2,159,730	0.26	Dom	1.3 (0.8-2.1)	1.24 (0.64-2.37)	2.35 (1.14-4.86)	1.99E-01	2.01E-01	9.07E-01
rs11042978	TH	11	2,154,994	0.48	Dom	1.72 (0.94-3.16)	2.47 (0.81-7.51)	1.52 (0.89-2.62)	4.46E-01	1.72E-01	9.09E-01
rs10276473	DDC	7	50,580,491	0.21	Add	1.38 (0.93-2.06)	2.06 (1.11-3.84)	1.3 (0.69-2.45)	2.59E-01	1.79E-01	9.09E-01
rs7356228	SNCA	4	90,962,878	0.37	Add	0.9 (0.62-1.3)	1.82 (0.88-3.75)	1.61 (0.96-2.72)	7.56E-01	7.64E-01	9.10E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs6466157	PRKAR2B	7	106,519,537	0.48	Add	0.87 (0.62-1.22)	2.93 (1.31-6.56)	1.62 (1-2.63)	8.98E-02	1.56E-01	9.11E-01
rs11749035	DRD1	5	174,815,658	0.16	Add	1.24 (0.79-1.95)	2.11 (1.17-3.8)	1.06 (0.5-2.24)	1.35E-01	2.35E-01	9.12E-01
rs12944712	CRHR1	17	41,226,918	0.41	Dom	1.12 (0.68-1.85)	1 (0.44-2.25)	2.19 (1.2-4)	1.26E-01	2.56E-01	9.14E-01
rs11749676	DRD1	5	174,798,904	0.41	Dom	0.79 (0.49-1.3)	1.13 (0.54-2.36)	2.24 (1.17-4.3)	1.72E-01	2.83E-01	9.15E-01
rs11575383	DDC	7	50,535,184	0.07	Add	0.91 (0.46-1.82)	1.71 (1.02-2.87)	1.37 (0.38-5)	7.58E-01	9.15E-01	9.15E-01
rs242944	CRHR1	17	41,278,960	0.43	Add	1.08 (0.77-1.52)	2.71 (1.23-5.98)	1.57 (0.96-2.57)	1.19E-01	2.79E-01	9.16E-01
rs3807552	DDC	7	50,578,236	0.19	Dom	1.56 (0.93-2.61)	1.74 (0.89-3.39)	1.33 (0.6-2.95)	6.14E-01	2.32E-01	9.17E-01
rs11723579	TDO2	4	157,057,151	0.48	Dom	0.72 (0.42-1.21)	2 (0.82-4.86)	1.53 (0.86-2.72)	6.22E-01	3.71E-01	9.17E-01
rs3787138	CHRNA4	20	61,449,668	0.13	Add	1.12 (0.65-1.93)	2.05 (1.12-3.72)	1.29 (0.51-3.28)	3.96E-01	5.89E-01	9.17E-01
rs2237652	PRKAR2B	7	106,547,212	0.48	Add	0.86 (0.62-1.21)	2.9 (1.29-6.52)	1.62 (1-2.63)	9.62E-02	1.61E-01	9.18E-01
rs2975292	SLC6A3	5	1,472,932	0.34	Add	0.96 (0.65-1.41)	2.21 (1.06-4.61)	1.52 (0.87-2.65)	3.45E-01	6.04E-01	9.20E-01
rs4788891	GRB2	17	70,902,740	0.19	Dom	0.8 (0.48-1.33)	1.5 (0.83-2.7)	1.98 (0.85-4.59)	5.99E-01	6.27E-01	9.20E-01
rs11214613	DRD2	11	112,840,469	0.09	Add	0.81 (0.42-1.6)	1.99 (1.17-3.37)	0.62 (0.18-2.14)	8.39E-02	1.97E-01	9.21E-01
rs9635870	ADCYAP1	18	890,765	0.29	Dom	0.66 (0.4-1.09)	1.31 (0.7-2.44)	2.31 (1.03-5.17)	2.72E-01	1.81E-01	9.21E-01
rs7633291	DRD3	3	115,369,758	0.20	Add	1.19 (0.8-1.78)	1.78 (0.98-3.25)	1.5 (0.78-2.91)	6.73E-01	6.49E-01	9.23E-01
rs7290221	COMT	22	18,322,680	0.48	Dom	1.02 (0.6-1.74)	0.87 (0.35-2.17)	2.1 (1.19-3.72)	1.08E-01	2.69E-01	9.25E-01
rs4809538	CHRNA4	20	61,440,620	0.21	Add	0.87 (0.57-1.33)	1.97 (1.09-3.58)	1.29 (0.65-2.55)	3.15E-01	4.84E-01	9.25E-01
rs2409531	CLIC6	21	34,975,371	0.21	Add	0.88 (0.57-1.34)	1.72 (0.96-3.09)	1.57 (0.77-3.21)	8.37E-01	7.98E-01	9.25E-01
rs7281533	CLIC6	21	34,969,460	0.21	Add	0.88 (0.57-1.34)	1.72 (0.96-3.09)	1.57 (0.77-3.21)	8.37E-01	7.98E-01	9.25E-01
rs458334	SLC6A3	5	1,483,093	0.42	Add	0.74 (0.52-1.06)	2.05 (0.98-4.3)	1.56 (0.94-2.6)	4.61E-01	1.49E-01	9.25E-01
rs3213718	CALM1	14	89,939,666	0.44	Dom	1.35 (0.77-2.36)	2.84 (1.06-7.62)	1.41 (0.8-2.48)	2.27E-01	3.41E-01	9.26E-01
rs7524405	HCRTR1	1	31,881,166	0.41	Dom	0.75 (0.46-1.23)	1.55 (0.71-3.38)	1.74 (0.94-3.21)	8.22E-01	5.24E-01	9.26E-01
rs204060	EPB41	1	29,152,213	0.28	Add	1.34 (0.94-1.92)	1.56 (0.8-3.02)	1.79 (1.03-3.11)	7.03E-01	2.36E-01	9.26E-01
rs6856558	TDO2	4	157,059,403	0.39	Add	1.1 (0.79-1.53)	1.87 (0.9-3.9)	1.63 (0.99-2.67)	6.79E-01	8.05E-01	9.26E-01
rs2076372	PRKCABP	22	36,804,911	0.26	Dom	0.9 (0.55-1.46)	1.19 (0.63-2.23)	2.68 (1.25-5.73)	1.06E-01	2.58E-01	9.27E-01
rs11746641	DRD1	5	174,798,697	0.16	Add	1.23 (0.78-1.93)	2.07 (1.15-3.73)	1.11 (0.52-2.37)	1.85E-01	3.05E-01	9.27E-01
rs356164	SNCA	4	90,912,499	0.16	Dom	1.24 (0.75-2.08)	2.13 (1.18-3.88)	0.99 (0.43-2.31)	1.47E-01	2.70E-01	9.27E-01
rs2271933	HCRTR1	1	31,865,112	0.43	Add	0.71 (0.43-1.17)	1.53 (0.73-3.19)	1.79 (1.07-2.98)	6.71E-01	4.00E-01	9.27E-01
rs9444584	CNR1	6	88,919,278	0.22	Add	1.22 (0.83-1.79)	2.27 (1.22-4.22)	1.2 (0.64-2.25)	1.08E-01	1.78E-01	9.27E-01
rs6957586	PRKAR2B	7	106,489,869	0.33	Dom	1.18 (0.72-1.91)	1.04 (0.5-2.17)	2.34 (1.23-4.44)	1.04E-01	1.83E-01	9.28E-01
rs6703093	HCRTR1	1	31,866,148	0.49	Dom	0.94 (0.55-1.61)	1 (0.4-2.48)	2.03 (1.14-3.62)	1.98E-01	4.30E-01	9.28E-01
rs11575553	DDC	7	50,493,713	0.11	Dom	1.36 (0.76-2.44)	1.42 (0.82-2.44)	3.16 (1.1-9.07)	1.87E-01	2.15E-01	9.30E-01
rs12027267	EPB41	1	29,251,462	0.39	Add	0.72 (0.51-1.03)	1.6 (0.8-3.21)	1.64 (0.97-2.78)	9.53E-01	1.79E-01	9.30E-01
rs1009502	FREQ (NCS1)	9	131,996,050	0.32	Add	1 (0.7-1.43)	2.79 (1.4-5.57)	1.37 (0.79-2.39)	4.79E-02	1.38E-01	9.31E-01
rs12401728	KCNJ9	1	158,328,583	0.21	Dom	1.06 (0.64-1.73)	1.77 (0.96-3.29)	1.5 (0.69-3.25)	7.37E-01	9.31E-01	9.31E-01
rs242924	CRHR1	17	41,241,147	0.44	Dom	0.7 (0.43-1.16)	1.33 (0.6-2.95)	1.93 (1.05-3.57)	4.64E-01	3.22E-01	9.31E-01
rs10853372	ADCYAP1	18	913,261	0.41	Dom	1.39 (0.78-2.49)	3.51 (1.24-9.97)	1.32 (0.75-2.32)	1.05E-01	1.91E-01	9.31E-01
rs3779078	DDC	7	50,578,412	0.20	Dom	1.42 (0.88-2.31)	2.1 (1.11-3.95)	1.15 (0.54-2.44)	2.32E-01	2.17E-01	9.32E-01
rs1817074	DDC	7	50,541,506	0.37	Dom	1.44 (0.87-2.38)	1.31 (0.58-2.98)	1.99 (1.09-3.61)	4.21E-01	2.01E-01	9.33E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2652510	SLC6A3	5	1,500,860	0.40	Add	1.17 (0.83-1.66)	2.84 (1.3-6.18)	1.53 (0.93-2.53)	8.13E-02	1.61E-01	9.33E-01
rs2292537	TDO2	4	157,058,912	0.09	Dom	1.34 (0.74-2.46)	1.64 (0.96-2.8)	1.59 (0.53-4.8)	9.65E-01	6.25E-01	9.33E-01
rs3787137	CHRNA4	20	61,449,544	0.41	Add	0.98 (0.68-1.43)	2.59 (1.14-5.87)	1.55 (0.92-2.6)	1.83E-01	3.83E-01	9.33E-01
rs1916610	ADCYAP1	18	882,847	0.47	Add	1.36 (0.96-1.93)	2.25 (0.93-5.43)	1.71 (1.05-2.78)	4.46E-01	1.82E-01	9.34E-01
rs12527605	EPB41L2	6	131,326,069	0.09	Add	0.78 (0.41-1.5)	1.93 (1.14-3.27)	0.68 (0.2-2.26)	1.14E-01	2.31E-01	9.34E-01
rs4511641	FOSB	19	50,685,408	0.44	Dom	1.07 (0.64-1.79)	1.18 (0.5-2.81)	1.94 (1.08-3.46)	3.53E-01	6.03E-01	9.35E-01
rs4140535	HTR1B	6	78,231,771	0.37	Dom	0.73 (0.45-1.19)	2.34 (1.11-4.94)	1.27 (0.67-2.4)	2.23E-01	1.65E-01	9.35E-01
rs4809549	CHRNA4	20	61,472,553	0.46	Add	0.86 (0.61-1.21)	2.42 (1.1-5.35)	1.63 (0.99-2.66)	2.58E-01	3.22E-01	9.35E-01
rs904952	CHRNA7	15	30,206,037	0.48	Dom	0.97 (0.57-1.67)	0.72 (0.29-1.8)	2.32 (1.3-4.15)	3.50E-02	1.06E-01	9.36E-01
rs2876981	MAPK1	22	20,535,611	0.40	Dom	0.72 (0.44-1.17)	1.42 (0.67-3)	1.84 (0.98-3.45)	6.02E-01	3.88E-01	9.36E-01
rs12803	NR4A2	2	156,890,171	0.47	Add	1.07 (0.77-1.49)	1.18 (0.53-2.63)	1.67 (1.03-2.72)	3.11E-01	5.11E-01	9.37E-01
rs1561289	POMC	2	25,222,544	0.25	Add	0.87 (0.58-1.32)	1.6 (0.86-2.98)	1.74 (0.9-3.35)	8.46E-01	8.00E-01	9.37E-01
rs10798880	HCRTR1	1	31,869,675	0.41	Add	0.83 (0.58-1.18)	1.43 (0.69-2.97)	1.75 (1.05-2.92)	5.88E-01	5.50E-01	9.37E-01
rs2118404	POMC	2	25,230,833	0.24	Add	0.89 (0.59-1.34)	1.63 (0.88-3.03)	1.71 (0.89-3.28)	9.13E-01	8.45E-01	9.38E-01
rs1063311	MAPK1	22	20,446,467	0.44	Add	0.83 (0.6-1.17)	1.46 (0.7-3.06)	1.64 (1-2.7)	7.35E-01	5.53E-01	9.38E-01
rs2303928	CDK5	7	150,370,263	0.40	Add	0.84 (0.59-1.19)	1.64 (0.8-3.34)	1.7 (1.01-2.86)	9.25E-01	6.12E-01	9.38E-01
rs907094	PPP1R1B	17	35,043,897	0.25	Dom	0.87 (0.53-1.41)	1.69 (0.9-3.18)	1.62 (0.77-3.42)	9.29E-01	8.40E-01	9.39E-01
rs11246226	DRD4	11	631,191	0.48	Add	0.8 (0.56-1.14)	2.06 (0.88-4.79)	1.71 (1.03-2.85)	6.24E-01	3.86E-01	9.40E-01
rs9282821	OPRM1	6	154,456,068	0.43	Dom	0.74 (0.53-1.05)	2.15 (0.98-4.73)	1.46 (0.79-2.68)	5.12E-01	1.64E-01	9.41E-01
rs835616	DRD1	5	174,796,296	0.36	Dom	0.81 (0.5-1.31)	1.2 (0.58-2.46)	2.16 (1.12-4.15)	2.36E-01	3.84E-01	9.41E-01
rs12885713	CALM1	14	89,933,110	0.46	Dom	1.2 (0.68-2.1)	2.9 (1.07-7.83)	1.32 (0.75-2.34)	1.80E-01	3.73E-01	9.41E-01
rs1049353	CNR1	6	88,910,354	0.26	Dom	0.96 (0.59-1.55)	2.39 (1.24-4.62)	1.07 (0.53-2.19)	1.05E-01	2.49E-01	9.42E-01
rs7175359	CHRNA7	15	30,212,239	0.48	Dom	0.97 (0.56-1.66)	0.72 (0.29-1.8)	2.3 (1.29-4.11)	3.66E-02	1.10E-01	9.42E-01
rs1213369	HTR1B	6	78,234,976	0.43	Dom	0.64 (0.39-1.06)	1.98 (0.9-4.38)	1.52 (0.82-2.79)	5.98E-01	1.71E-01	9.42E-01
rs4656876	KCNJ9	1	158,317,016	0.48	Add	0.98 (0.7-1.37)	2.22 (0.98-5.02)	1.64 (1.01-2.66)	3.84E-01	6.61E-01	9.43E-01
rs2737029	SNCA	4	90,930,793	0.40	Dom	0.97 (0.59-1.6)	0.98 (0.44-2.17)	2.23 (1.21-4.11)	1.07E-01	2.73E-01	9.43E-01
rs6494223	CHRNA7	15	30,183,749	0.38	Dom	1.35 (0.81-2.24)	1.02 (0.45-2.31)	2.11 (1.15-3.87)	1.62E-01	1.65E-01	9.44E-01
rs174696	COMT	22	18,333,176	0.23	Dom	1.09 (0.67-1.76)	1.96 (1.04-3.68)	1.26 (0.59-2.66)	3.74E-01	6.58E-01	9.44E-01
rs707127	NR4A2	2	156,877,056	0.36	Dom	0.73 (0.45-1.17)	1.67 (0.82-3.4)	1.72 (0.89-3.31)	9.55E-01	4.25E-01	9.45E-01
rs9912608	GRB2	17	70,848,626	0.26	Dom	0.74 (0.46-1.2)	1.93 (1.01-3.69)	1.33 (0.64-2.78)	4.55E-01	3.23E-01	9.45E-01
rs9350712	HTR1B	6	78,220,836	0.46	Dom	0.85 (0.51-1.42)	1.61 (0.68-3.79)	1.68 (0.94-3.02)	9.30E-01	8.25E-01	9.46E-01
rs174675	COMT	22	18,314,051	0.28	Dom	0.95 (0.59-1.54)	1.56 (0.81-2.99)	1.8 (0.88-3.7)	7.73E-01	9.46E-01	9.46E-01
rs2271537	TDO2	4	157,049,273	0.49	Add	1.24 (0.84-1.81)	1.23 (0.48-3.14)	1.5 (0.9-2.5)	6.16E-01	4.67E-01	9.47E-01
rs324026	DRD3	3	115,373,732	0.34	Add	1.27 (0.89-1.82)	2.25 (1.09-4.67)	1.54 (0.92-2.59)	2.98E-01	2.59E-01	9.47E-01
rs4074461	CRHR1	17	41,210,922	0.46	Add	0.92 (0.65-1.3)	2.42 (1.1-5.36)	1.67 (1.03-2.73)	2.94E-01	4.75E-01	9.47E-01
rs5751583	GNAZ	22	21,764,327	0.06	Dom	0.9 (0.39-2.05)	1.92 (1.14-3.22)	0.49 (0.1-2.28)	9.98E-02	2.40E-01	9.47E-01
rs12206057	EPB41L2	6	131,254,210	0.17	Add	0.95 (0.6-1.49)	2.12 (1.19-3.76)	1.02 (0.47-2.21)	1.16E-01	2.84E-01	9.47E-01
rs806366	CNR1	6	88,904,308	0.48	Dom	0.97 (0.56-1.66)	3.01 (1.18-7.68)	1.32 (0.75-2.31)	1.38E-01	3.05E-01	9.48E-01
rs12038347	EPB41	1	29,141,303	0.10	Dom	1.46 (0.82-2.59)	1.96 (1.13-3.4)	0.93 (0.34-2.57)	2.09E-01	2.31E-01	9.49E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs16837840	EPB41	1	29,207,867	0.10	Dom	1.46 (0.82-2.59)	1.96 (1.13-3.4)	0.93 (0.34-2.57)	2.09E-01	2.31E-01	9.49E-01
rs7546297	HCRTR1	1	31,879,081	0.41	Dom	0.74 (0.45-1.21)	1.63 (0.75-3.54)	1.69 (0.91-3.14)	9.46E-01	4.95E-01	9.49E-01
rs12527054	HTR1B	6	78,220,647	0.07	Add	0.59 (0.29-1.22)	1.8 (1.08-2.99)	1.03 (0.26-4.05)	4.51E-01	2.22E-01	9.50E-01
rs806378	CNR1	6	88,916,270	0.28	Add	0.83 (0.56-1.22)	1.25 (0.68-2.31)	2.25 (1.19-4.27)	1.41E-01	2.34E-01	9.50E-01
rs4963126	DRD4	11	646,845	0.48	Dom	0.9 (0.64-1.27)	1.66 (0.67-4.1)	1.68 (0.95-2.97)	7.77E-01	8.30E-01	9.50E-01
rs1486009	DRD3	3	115,371,222	0.06	Add	0.86 (0.41-1.83)	1.79 (1.07-2.98)	0.88 (0.21-3.61)	3.51E-01	6.04E-01	9.51E-01
rs3776511	SLC6A3	5	1,460,129	0.21	Dom	1.59 (0.96-2.61)	1.99 (1.02-3.88)	1.42 (0.67-3.02)	5.19E-01	1.82E-01	9.51E-01
rs10107450	CHRNA6	8	42,749,052	0.22	Add	0.87 (0.58-1.32)	1.69 (0.93-3.08)	1.59 (0.81-3.13)	8.80E-01	7.94E-01	9.51E-01
rs9610375	MAPK1	22	20,517,093	0.49	Dom	0.71 (0.42-1.19)	1.4 (0.58-3.38)	1.84 (1.03-3.3)	6.15E-01	4.15E-01	9.51E-01
rs2283802	GNAZ	22	21,784,722	0.26	Dom	1.46 (0.9-2.36)	1.73 (0.87-3.41)	1.43 (0.72-2.87)	7.08E-01	3.04E-01	9.52E-01
rs4789170	GRB2	17	70,844,389	0.26	Dom	0.74 (0.45-1.2)	1.89 (0.99-3.6)	1.35 (0.65-2.82)	5.07E-01	3.34E-01	9.52E-01
rs11742274	DRD1	5	174,792,103	0.19	Dom	1.08 (0.65-1.78)	1.56 (0.86-2.83)	1.91 (0.85-4.33)	6.92E-01	8.74E-01	9.52E-01
rs968335	HCRTR1	1	31,858,363	0.48	Dom	0.89 (0.52-1.51)	1.08 (0.44-2.65)	1.99 (1.11-3.54)	2.66E-01	5.05E-01	9.53E-01
rs4867796	DRD1	5	174,798,127	0.17	Add	1.27 (0.82-1.95)	1.98 (1.09-3.58)	1.22 (0.6-2.52)	2.85E-01	3.77E-01	9.53E-01
rs756632	GNAZ	22	21,799,918	0.15	Dom	1.08 (0.62-1.88)	1.34 (0.76-2.38)	3.21 (1.22-8.48)	1.31E-01	2.60E-01	9.54E-01
rs2040176	ADCYAP1	18	882,467	0.12	Dom	0.61 (0.32-1.14)	1.68 (0.99-2.86)	1.71 (0.53-5.48)	9.79E-01	2.62E-01	9.54E-01
rs10227616	PRKAR2B	7	106,462,434	0.33	Dom	1.17 (0.72-1.9)	1.07 (0.51-2.23)	2.31 (1.22-4.38)	1.21E-01	2.14E-01	9.55E-01
rs356168	SNCA	4	90,893,454	0.46	Add	1.11 (0.66-1.88)	1.08 (0.5-2.34)	1.75 (1.07-2.86)	1.44E-01	2.91E-01	9.55E-01
rs599548	OPRM1	6	154,460,254	0.14	Add	0.93 (0.54-1.58)	1.3 (0.75-2.24)	3.35 (1.26-8.9)	9.12E-02	2.14E-01	9.55E-01
rs806375	CNR1	6	88,915,240	0.46	Add	0.79 (0.57-1.09)	1.47 (0.71-3.06)	1.69 (1.03-2.77)	6.80E-01	3.42E-01	9.55E-01
rs12021667	EPB41	1	29,183,661	0.39	Add	0.73 (0.52-1.04)	1.62 (0.81-3.24)	1.65 (0.97-2.8)	9.58E-01	2.12E-01	9.56E-01
rs16940646	CRHR1	17	41,235,682	0.12	Dom	1.2 (0.68-2.13)	1.71 (0.98-2.96)	1.64 (0.59-4.56)	9.50E-01	8.22E-01	9.56E-01
rs806365	CNR1	6	88,902,668	0.46	Dom	0.78 (0.47-1.31)	0.94 (0.4-2.17)	2.14 (1.17-3.89)	1.18E-01	2.13E-01	9.56E-01
rs1599789	ADCYAP1	18	881,312	0.26	Add	0.72 (0.48-1.09)	1.72 (0.93-3.18)	1.67 (0.86-3.26)	9.47E-01	2.74E-01	9.56E-01
rs2236196	CHRNA4	20	61,448,000	0.27	Dom	1.28 (0.79-2.07)	1.67 (0.83-3.38)	1.76 (0.9-3.44)	9.18E-01	5.85E-01	9.57E-01
rs7766029	CNR1	6	88,904,154	0.48	Dom	0.91 (0.53-1.57)	0.87 (0.35-2.18)	2.14 (1.2-3.82)	1.05E-01	2.54E-01	9.57E-01
rs1800879	NTRK1	1	155,104,765	0.36	Add	0.77 (0.47-1.24)	2.12 (1.04-4.31)	1.52 (0.91-2.55)	8.29E-01	5.27E-01	9.57E-01
rs7625282	DRD3	3	115,364,217	0.25	Add	1.12 (0.77-1.63)	2.03 (1.07-3.85)	1.42 (0.79-2.56)	3.49E-01	5.54E-01	9.57E-01
rs27074	SLC6A3	5	1,436,550	0.11	Add	0.85 (0.48-1.51)	1.75 (1.02-3.01)	1.31 (0.47-3.66)	6.18E-01	7.28E-01	9.57E-01
rs3789033	CREBBP	16	3,779,536	0.24	Dom	0.88 (0.54-1.43)	1.6 (0.86-2.98)	1.73 (0.81-3.7)	8.71E-01	8.72E-01	9.57E-01
rs1528454	NR4A2	2	156,877,951	0.30	Add	0.88 (0.54-1.41)	1.62 (0.85-3.08)	1.7 (0.95-3.01)	9.26E-01	8.63E-01	9.57E-01
rs356198	SNCA	4	90,901,527	0.20	Dom	1.34 (0.82-2.18)	2.04 (1.09-3.84)	1.2 (0.56-2.57)	2.92E-01	3.31E-01	9.58E-01
rs7228988	ADCYAP1	18	907,957	0.31	Dom	0.74 (0.46-1.2)	1.48 (0.77-2.87)	1.95 (0.96-3.97)	5.84E-01	4.33E-01	9.58E-01
rs9298628	CHRNA6	8	42,725,148	0.19	Add	0.84 (0.53-1.32)	1.59 (0.89-2.85)	1.64 (0.77-3.5)	9.46E-01	7.38E-01	9.58E-01
rs12600908	GRB2	17	70,839,969	0.12	Dom	0.75 (0.42-1.37)	1.76 (1.03-3.02)	1.33 (0.46-3.89)	6.52E-01	5.47E-01	9.58E-01
rs12608148	ADCYAP1	18	879,159	0.27	Dom	0.82 (0.5-1.33)	1.23 (0.64-2.35)	2.35 (1.13-4.88)	1.92E-01	3.43E-01	9.59E-01
rs11081411	ADCYAP1	18	883,205	0.16	Add	0.77 (0.49-1.21)	1.61 (0.93-2.78)	1.82 (0.79-4.17)	7.99E-01	4.99E-01	9.59E-01
rs880028	DDC	7	50,537,630	0.21	Dom	1.18 (0.72-1.93)	1.31 (0.7-2.43)	2.7 (1.23-5.93)	1.56E-01	2.56E-01	9.60E-01
rs10840495	TH	11	2,152,413	0.38	Dom	1.2 (0.71-2.04)	1.46 (0.63-3.37)	1.94 (1.01-3.73)	6.04E-01	6.66E-01	9.60E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs242939	CRHR1	17	41,251,360	0.09	Add	0.69 (0.34-1.41)	1.74 (1.04-2.9)	1.59 (0.4-6.32)	9.10E-01	4.94E-01	9.61E-01
rs2049045	BDNF	11	27,650,817	0.18	Add	0.91 (0.57-1.45)	1.29 (0.73-2.29)	2.63 (1.19-5.79)	1.37E-01	3.01E-01	9.61E-01
rs4845652	CHRN2	1	152,804,829	0.09	Add	1.08 (0.62-1.9)	1.68 (0.99-2.85)	1.6 (0.57-4.54)	9.39E-01	9.61E-01	9.61E-01
rs9306383	GNAZ	22	21,751,058	0.43	Dom	0.94 (0.57-1.57)	1.82 (0.78-4.26)	1.72 (0.94-3.12)	9.08E-01	9.61E-01	9.61E-01
rs2070367	CLIC6	21	35,001,362	0.20	Dom	0.72 (0.43-1.21)	1.92 (1.07-3.43)	1.23 (0.52-2.92)	4.04E-01	2.81E-01	9.62E-01
rs2267366	PRKCABP	22	36,810,605	0.16	Add	0.71 (0.44-1.17)	1.74 (1-3.04)	1.52 (0.64-3.61)	7.89E-01	3.34E-01	9.62E-01
rs324022	DRD3	3	115,369,988	0.29	Add	1.28 (0.9-1.84)	2.04 (1.04-4)	1.52 (0.88-2.63)	4.20E-01	2.93E-01	9.63E-01
rs10485171	CNR1	6	88,900,109	0.42	Dom	1.4 (0.83-2.38)	1.1 (0.45-2.67)	1.98 (1.11-3.52)	2.76E-01	2.14E-01	9.63E-01
rs167770	DRD3	3	115,362,252	0.28	Add	1.26 (0.88-1.81)	2.08 (1.06-4.07)	1.48 (0.85-2.58)	3.57E-01	2.95E-01	9.63E-01
rs10915208	EPB41	1	29,102,916	0.11	Dom	1.34 (0.77-2.34)	2 (1.14-3.49)	0.88 (0.33-2.34)	1.55E-01	2.60E-01	9.63E-01
rs7815010	CHRNA2	8	27,386,013	0.25	Add	0.86 (0.52-1.43)	1.3 (0.71-2.38)	2.34 (1.16-4.71)	1.01E-01	2.39E-01	9.66E-01
rs4350602	GRB2	17	70,867,364	0.31	Dom	0.87 (0.54-1.41)	2.1 (1.03-4.27)	1.31 (0.67-2.55)	3.42E-01	4.94E-01	9.66E-01
rs81189	CRHR1	17	41,250,579	0.48	Dom	0.78 (0.46-1.32)	1.21 (0.51-2.9)	1.94 (1.08-3.48)	3.81E-01	4.59E-01	9.66E-01
rs11659736	ADCYAP1	18	905,937	0.36	Add	0.81 (0.5-1.31)	1.44 (0.72-2.87)	1.78 (1.04-3.05)	9.99E-01	6.82E-01	9.66E-01
rs8192595	ADCYAP1	18	897,521	0.09	Add	0.68 (0.33-1.41)	1.47 (0.87-2.46)	3.66 (0.9-14.8)	2.31E-01	3.30E-01	9.67E-01
rs2253206	CREB1	2	208,100,223	0.48	Add	0.98 (0.71-1.37)	1.81 (0.81-4.04)	1.67 (1.03-2.71)	8.20E-01	9.67E-01	9.67E-01
rs10914453	HCRTR1	1	31,847,623	0.40	Dom	0.83 (0.51-1.35)	1.68 (0.77-3.68)	1.65 (0.89-3.03)	9.66E-01	7.48E-01	9.68E-01
rs11663172	ADCYAP1	18	910,173	0.39	Dom	0.69 (0.42-1.13)	1.92 (0.9-4.09)	1.56 (0.83-2.91)	6.77E-01	2.86E-01	9.68E-01
rs4798767	ADCYAP1	18	917,475	0.41	Dom	1.27 (0.72-2.22)	2.79 (1.04-7.48)	1.4 (0.79-2.47)	2.36E-01	4.15E-01	9.68E-01
rs11238133	DDC	7	50,510,408	0.32	Add	1.31 (0.92-1.86)	1.49 (0.74-3)	1.75 (1.03-2.98)	6.54E-01	2.59E-01	9.69E-01
rs8079197	GRB2	17	70,828,274	0.27	Add	0.82 (0.55-1.21)	1.79 (0.95-3.37)	1.55 (0.84-2.88)	7.30E-01	5.20E-01	9.69E-01
rs12373400	ADCYAP1	18	913,096	0.38	Dom	0.68 (0.42-1.11)	1.74 (0.83-3.67)	1.66 (0.88-3.14)	9.25E-01	2.96E-01	9.69E-01
rs10770140	TH	11	2,150,173	0.40	Dom	1.26 (0.74-2.14)	1.67 (0.69-4.02)	1.76 (0.96-3.22)	9.24E-01	6.84E-01	9.69E-01
rs2100280	DDC	7	50,548,330	0.25	Add	1.16 (0.78-1.72)	1.29 (0.68-2.44)	2.25 (1.2-4.2)	1.72E-01	2.75E-01	9.69E-01
rs6336	NTRK1	1	155,115,542	0.07	Add	1.18 (0.6-2.32)	1.61 (0.96-2.7)	2.07 (0.59-7.27)	7.15E-01	8.28E-01	9.70E-01
rs2551923	CREB1	2	208,150,021	0.18	Dom	1.27 (0.77-2.09)	1.69 (0.92-3.1)	1.6 (0.72-3.55)	9.14E-01	6.45E-01	9.70E-01
rs6494211	CHRNA7	15	30,164,880	0.34	Dom	0.62 (0.38-1.01)	1.69 (0.86-3.32)	1.71 (0.85-3.41)	9.81E-01	1.49E-01	9.70E-01
rs10093964	CHRNA2	8	27,367,957	0.43	Add	1.22 (0.88-1.7)	2.35 (1.06-5.19)	1.61 (0.99-2.61)	2.74E-01	3.29E-01	9.71E-01
rs2846583	ADCYAP1	18	892,965	0.28	Dom	0.78 (0.48-1.26)	1.26 (0.66-2.41)	2.3 (1.11-4.77)	2.26E-01	3.25E-01	9.71E-01
rs324029	DRD3	3	115,364,313	0.29	Add	1.25 (0.87-1.8)	2.1 (1.07-4.1)	1.49 (0.86-2.59)	3.56E-01	3.13E-01	9.71E-01
rs2734849	ANKK1	11	112,775,370	0.49	Add	1.27 (0.91-1.77)	1.17 (0.5-2.73)	1.62 (1-2.64)	3.44E-01	1.92E-01	9.72E-01
rs4789189	GRB2	17	70,909,580	0.20	Dom	0.76 (0.46-1.27)	1.51 (0.84-2.73)	1.99 (0.86-4.6)	6.01E-01	5.28E-01	9.72E-01
rs174697	COMT	22	18,333,832	0.05	Dom	1.07 (0.47-2.42)	1.55 (0.93-2.57)	3.02 (0.63-14.56)	4.28E-01	7.04E-01	9.72E-01
rs1476879	PRKAR2B	7	106,485,977	0.47	Add	0.97 (0.69-1.36)	1.74 (0.78-3.88)	1.66 (1.02-2.69)	8.89E-01	9.72E-01	9.72E-01
rs9908820	GRB2	17	70,920,414	0.34	Add	0.86 (0.61-1.21)	2.07 (1.06-4.04)	1.47 (0.86-2.5)	3.33E-01	3.67E-01	9.72E-01
rs9909443	GRB2	17	70,819,941	0.26	Dom	0.74 (0.46-1.2)	1.66 (0.88-3.12)	1.66 (0.79-3.51)	9.96E-01	4.61E-01	9.73E-01
rs17501755	ADCYAP1	18	910,497	0.30	Add	0.79 (0.49-1.28)	1.51 (0.8-2.88)	1.82 (1-3.32)	7.98E-01	6.23E-01	9.73E-01
rs17501915	ADCYAP1	18	915,250	0.30	Add	0.79 (0.49-1.28)	1.51 (0.8-2.88)	1.82 (1-3.32)	7.98E-01	6.23E-01	9.73E-01
rs3773678	DRD3	3	115,352,768	0.15	Add	1.39 (0.9-2.14)	1.7 (0.96-3.02)	1.57 (0.75-3.31)	8.57E-01	3.38E-01	9.73E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs4792887	CRHR1	17	41,232,791	0.12	Dom	1.04 (0.58-1.87)	1.58 (0.92-2.72)	1.96 (0.68-5.69)	7.21E-01	9.14E-01	9.73E-01
rs4789172	GRB2	17	70,853,307	0.49	Add	1.27 (0.91-1.78)	2.07 (0.87-4.93)	1.65 (1.02-2.67)	5.15E-01	3.53E-01	9.73E-01
rs3814847	CALM1	14	89,931,789	0.37	Add	1.23 (0.87-1.74)	1.66 (0.79-3.5)	1.72 (1.04-2.84)	9.24E-01	4.95E-01	9.73E-01
rs3777432	EPB41L2	6	131,225,509	0.16	Add	1.06 (0.67-1.67)	1.67 (0.94-2.95)	1.66 (0.76-3.63)	9.88E-01	9.73E-01	9.73E-01
rs2846584	ADCYAP1	18	894,054	0.28	Dom	0.82 (0.5-1.32)	1.27 (0.67-2.44)	2.29 (1.1-4.74)	2.41E-01	4.00E-01	9.73E-01
rs13428968	NR4A2	2	156,900,859	0.17	Dom	1.27 (0.77-2.11)	1.84 (1.02-3.32)	1.31 (0.57-3.03)	5.20E-01	5.71E-01	9.74E-01
rs2095961	EPB41L2	6	131,325,953	0.35	Dom	0.98 (0.6-1.6)	2.66 (1.24-5.71)	1.19 (0.63-2.22)	1.10E-01	2.62E-01	9.74E-01
rs2797853	DBH	9	135,502,336	0.36	Dom	1.32 (0.79-2.21)	2.94 (1.25-6.89)	1.22 (0.67-2.2)	9.56E-02	1.68E-01	9.74E-01
rs2846579	ADCYAP1	18	891,897	0.12	Dom	0.65 (0.35-1.21)	1.64 (0.96-2.8)	1.89 (0.6-5.96)	8.30E-01	3.67E-01	9.74E-01
rs9909076	GRB2	17	70,896,404	0.20	Dom	0.78 (0.47-1.3)	1.47 (0.81-2.65)	2.03 (0.88-4.7)	5.37E-01	5.56E-01	9.74E-01
rs2053156	GRB2	17	70,890,035	0.20	Dom	0.78 (0.47-1.3)	1.47 (0.81-2.65)	2.03 (0.88-4.7)	5.37E-01	5.56E-01	9.74E-01
rs12946365	GRB2	17	70,829,239	0.27	Add	0.82 (0.56-1.22)	1.77 (0.94-3.33)	1.55 (0.84-2.88)	7.49E-01	5.39E-01	9.75E-01
rs157220	EPB41	1	29,083,883	0.38	Add	1.31 (0.94-1.83)	1.65 (0.78-3.46)	1.68 (1.02-2.77)	9.49E-01	2.62E-01	9.75E-01
rs1879184	CHRNA2	8	27,367,620	0.14	Dom	1.05 (0.61-1.81)	1.7 (0.97-2.97)	1.55 (0.61-3.98)	8.73E-01	9.75E-01	9.75E-01
rs1879182	CHRNA2	8	27,371,793	0.14	Dom	1.05 (0.61-1.81)	1.7 (0.97-2.97)	1.55 (0.61-3.98)	8.73E-01	9.75E-01	9.75E-01
rs2709402	CREB1	2	208,129,222	0.18	Dom	1.26 (0.77-2.07)	1.69 (0.92-3.09)	1.63 (0.73-3.61)	9.42E-01	6.64E-01	9.76E-01
rs12039988	EPB41	1	29,298,420	0.39	Dom	0.75 (0.52-1.06)	1.2 (0.57-2.51)	2.06 (1.09-3.9)	8.60E-01	2.58E-01	9.76E-01
rs2239316	CREBBP	16	3,853,996	0.27	Dom	0.83 (0.51-1.34)	2.06 (1.07-3.97)	1.26 (0.61-2.57)	3.21E-01	4.09E-01	9.76E-01
rs7856531	FREQ (NCS1)	9	132,000,447	0.46	Dom	1.02 (0.59-1.76)	3.61 (1.4-9.32)	1.21 (0.69-2.14)	5.37E-02	1.34E-01	9.76E-01
rs6454673	CNR1	6	88,927,768	0.31	Add	0.81 (0.56-1.18)	1.34 (0.71-2.51)	1.96 (1.08-3.54)	3.13E-01	3.63E-01	9.76E-01
rs11852956	CHRNA7	15	30,190,622	0.23	Add	0.99 (0.66-1.48)	1.8 (0.97-3.32)	1.5 (0.78-2.87)	6.65E-01	9.08E-01	9.76E-01
rs4789178	GRB2	17	70,879,837	0.20	Dom	0.78 (0.47-1.29)	1.48 (0.82-2.68)	2.03 (0.88-4.71)	5.48E-01	5.49E-01	9.77E-01
rs7017417	CHRNA2	8	27,401,222	0.09	Dom	1.05 (0.56-1.94)	1.99 (1.16-3.41)	0.74 (0.24-2.26)	1.19E-01	2.98E-01	9.77E-01
rs548646	OPRM1	6	154,459,840	0.35	Dom	0.77 (0.48-1.25)	2.16 (1.06-4.41)	1.33 (0.69-2.57)	3.30E-01	3.01E-01	9.77E-01
rs4559942	GRB2	17	70,820,864	0.27	Dom	0.77 (0.48-1.24)	1.65 (0.86-3.14)	1.65 (0.8-3.41)	9.99E-01	5.51E-01	9.77E-01
rs613341	OPRM1	6	154,484,971	0.10	Add	0.85 (0.47-1.54)	1.98 (1.16-3.38)	0.78 (0.27-2.28)	1.22E-01	2.67E-01	9.77E-01
rs2329340	DDC	7	50,587,723	0.33	Add	1.29 (0.91-1.83)	2.1 (1.03-4.3)	1.53 (0.92-2.57)	3.85E-01	2.85E-01	9.77E-01
rs324035	DRD3	3	115,351,544	0.21	Dom	1.29 (0.79-2.1)	2.01 (1.07-3.79)	1.27 (0.6-2.68)	3.57E-01	4.31E-01	9.77E-01
rs10499177	EPB41L2	6	131,257,514	0.09	Add	0.85 (0.46-1.6)	1.93 (1.14-3.28)	0.77 (0.24-2.41)	1.46E-01	3.14E-01	9.78E-01
rs2709371	CREB1	2	208,092,932	0.19	Add	1.13 (0.74-1.72)	1.69 (0.94-3.05)	1.61 (0.8-3.25)	9.17E-01	8.60E-01	9.78E-01
rs2399496	DRD3	3	115,328,703	0.48	Dom	0.92 (0.54-1.56)	0.94 (0.38-2.31)	2.06 (1.16-3.65)	1.48E-01	3.52E-01	9.78E-01
rs1451368	DDC	7	50,555,261	0.26	Add	1.19 (0.82-1.74)	1.34 (0.71-2.54)	2.05 (1.13-3.71)	2.73E-01	3.20E-01	9.78E-01
rs4586205	DRD2	11	112,812,339	0.25	Dom	0.98 (0.6-1.59)	1.59 (0.84-3.01)	1.75 (0.84-3.64)	8.43E-01	9.78E-01	9.78E-01
rs2298432	MAPK1	22	20,453,189	0.35	Add	0.95 (0.67-1.36)	1.36 (0.69-2.7)	1.81 (1.05-3.1)	4.46E-01	7.44E-01	9.79E-01
rs4789176	GRB2	17	70,864,463	0.19	Dom	0.76 (0.46-1.27)	1.57 (0.88-2.82)	1.78 (0.75-4.2)	8.16E-01	5.70E-01	9.79E-01
rs1369299	GRB2	17	70,858,920	0.19	Dom	0.76 (0.46-1.27)	1.57 (0.88-2.82)	1.78 (0.75-4.2)	8.16E-01	5.70E-01	9.79E-01
rs4947577	DDC	7	50,516,103	0.41	Add	1.3 (0.93-1.82)	1.51 (0.7-3.27)	1.66 (1.02-2.71)	7.84E-01	2.86E-01	9.79E-01
rs2583975	SNCA	4	90,967,511	0.23	Add	1.19 (0.8-1.76)	2.1 (1.12-3.93)	1.29 (0.69-2.42)	2.34E-01	4.20E-01	9.79E-01
rs739362	GNAZ	22	21,774,067	0.28	Dom	1.41 (0.86-2.32)	1.69 (0.84-3.43)	1.72 (0.85-3.52)	9.72E-01	3.88E-01	9.79E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs1470750	DDC	7	50,544,142	0.42	Dom	0.75 (0.46-1.24)	2.08 (0.93-4.64)	1.46 (0.8-2.68)	4.94E-01	3.82E-01	9.79E-01
rs126014	EPB41	1	29,092,765	0.38	Add	1.31 (0.94-1.83)	1.7 (0.8-3.63)	1.76 (1.07-2.9)	9.19E-01	2.73E-01	9.79E-01
rs12473543	POMC	2	25,240,685	0.22	Dom	1 (0.61-1.63)	1.9 (1.02-3.56)	1.34 (0.63-2.85)	4.78E-01	7.76E-01	9.79E-01
rs2651418	CHRNA7	15	30,226,573	0.49	Dom	1.12 (0.64-1.96)	0.75 (0.29-1.98)	2.18 (1.24-3.83)	6.39E-02	1.57E-01	9.79E-01
rs12273363	BDNF	11	27,701,435	0.16	Dom	1.01 (0.6-1.72)	1.61 (0.9-2.89)	1.98 (0.81-4.83)	7.09E-01	9.26E-01	9.79E-01
rs16840214	NR4A2	2	156,875,018	0.21	Add	0.87 (0.53-1.43)	1.52 (0.85-2.75)	1.87 (0.94-3.73)	6.19E-01	7.83E-01	9.80E-01
rs167771	DRD3	3	115,358,965	0.19	Dom	1.19 (0.72-1.95)	2.06 (1.11-3.81)	1.16 (0.53-2.55)	2.60E-01	4.52E-01	9.80E-01
rs13054331	GNAZ	22	21,737,063	0.24	Dom	0.72 (0.44-1.18)	1.7 (0.92-3.13)	1.57 (0.72-3.44)	8.79E-01	3.98E-01	9.80E-01
rs3756450	SLC6A3	5	1,501,148	0.11	Add	0.82 (0.46-1.44)	1.96 (1.15-3.36)	0.86 (0.31-2.38)	1.52E-01	2.76E-01	9.80E-01
rs1611123	DBH	9	135,498,904	0.50	Add	0.83 (0.6-1.17)	2.48 (1.1-5.58)	1.63 (1-2.64)	2.27E-01	2.45E-01	9.80E-01
rs2266966	MAPK1	22	20,451,554	0.44	Add	0.79 (0.48-1.31)	1.49 (0.71-3.12)	1.69 (1.03-2.77)	4.55E-01	5.36E-01	9.81E-01
rs12072697	EPB41	1	29,209,878	0.09	Add	0.89 (0.48-1.64)	1.63 (0.97-2.75)	1.68 (0.53-5.37)	9.63E-01	9.28E-01	9.81E-01
rs743409	MAPK1	22	20,459,215	0.45	Add	0.89 (0.53-1.47)	1.77 (0.82-3.82)	1.65 (1.01-2.68)	9.32E-01	8.97E-01	9.81E-01
rs2797855	DBH	9	135,500,715	0.43	Dom	0.85 (0.51-1.42)	2.94 (1.23-7.05)	1.25 (0.69-2.24)	1.11E-01	1.78E-01	9.81E-01
rs3827315	GNAZ	22	21,752,890	0.29	Dom	1.39 (0.86-2.25)	1.79 (0.89-3.6)	1.57 (0.79-3.1)	7.90E-01	4.06E-01	9.81E-01
rs2297853	EPB41L2	6	131,318,638	0.35	Dom	1.02 (0.62-1.66)	2.65 (1.23-5.68)	1.21 (0.64-2.26)	1.20E-01	2.89E-01	9.81E-01
rs2134655	DRD3	3	115,340,891	0.27	Add	0.77 (0.47-1.25)	1.67 (0.9-3.09)	1.73 (0.9-3.33)	6.68E-01	5.37E-01	9.81E-01
rs10770141	TH	11	2,150,416	0.39	Dom	1.5 (0.89-2.53)	1.71 (0.72-4.09)	1.62 (0.91-2.9)	9.18E-01	2.98E-01	9.81E-01
rs5756908	PRKCABP	22	36,806,525	0.48	Dom	1.25 (0.72-2.18)	1.62 (0.61-4.32)	1.67 (0.96-2.91)	9.57E-01	7.14E-01	9.81E-01
rs9902966	GRB2	17	70,873,742	0.20	Dom	0.8 (0.48-1.32)	1.47 (0.81-2.65)	2.03 (0.88-4.7)	5.38E-01	5.88E-01	9.81E-01
rs6501775	GRB2	17	70,822,168	0.05	Dom	1.15 (0.52-2.5)	1.89 (1.12-3.18)	0.88 (0.2-3.79)	3.36E-01	5.61E-01	9.81E-01
rs168552	SNCA	4	90,862,167	0.29	Add	0.81 (0.54-1.22)	1.35 (0.71-2.55)	2.06 (1.09-3.88)	3.12E-01	4.30E-01	9.81E-01
rs11564703	TH	11	2,163,785	0.41	Dom	1.12 (0.68-1.85)	1.25 (0.55-2.84)	1.92 (1.06-3.48)	4.08E-01	6.10E-01	9.81E-01
rs2087017	DRD3	3	115,324,703	0.43	Add	0.95 (0.57-1.59)	1.22 (0.58-2.6)	1.76 (1.07-2.9)	1.89E-01	4.22E-01	9.82E-01
rs2023239	CNR1	6	88,917,201	0.18	Dom	1.05 (0.63-1.73)	2.08 (1.14-3.8)	1.08 (0.48-2.45)	2.08E-01	4.53E-01	9.82E-01
rs356204	SNCA	4	90,882,565	0.43	Dom	1.11 (0.65-1.89)	0.94 (0.39-2.3)	1.93 (1.06-3.51)	1.92E-01	3.70E-01	9.82E-01
rs12953076	CRHR1	17	41,209,781	0.17	Dom	1.2 (0.72-1.99)	1.75 (0.97-3.17)	1.48 (0.65-3.38)	7.44E-01	7.60E-01	9.82E-01
rs2551642	CREB1	2	208,121,742	0.18	Dom	1.25 (0.76-2.05)	1.69 (0.92-3.1)	1.6 (0.72-3.55)	9.13E-01	6.89E-01	9.82E-01
rs1806584	CREB1	2	208,174,515	0.18	Dom	1.25 (0.76-2.05)	1.69 (0.92-3.1)	1.6 (0.72-3.55)	9.13E-01	6.89E-01	9.82E-01
rs1045780	CREB1	2	208,175,395	0.18	Dom	1.25 (0.76-2.05)	1.69 (0.92-3.1)	1.6 (0.72-3.55)	9.13E-01	6.89E-01	9.82E-01
rs2551921	CREB1	2	208,143,800	0.18	Dom	1.25 (0.76-2.05)	1.69 (0.92-3.1)	1.6 (0.72-3.55)	9.13E-01	6.89E-01	9.82E-01
rs7024495	FREQ (NCS1)	9	132,007,017	0.48	Dom	1.06 (0.6-1.86)	3.75 (1.37-10.26)	1.23 (0.71-2.16)	5.84E-02	1.44E-01	9.83E-01
rs1805300	NCK1	3	138,058,932	0.32	Add	0.83 (0.57-1.22)	1.58 (0.81-3.07)	1.7 (0.96-3.01)	8.56E-01	6.31E-01	9.83E-01
rs4678448	NCK1	3	138,053,879	0.32	Add	0.83 (0.57-1.22)	1.58 (0.81-3.07)	1.7 (0.96-3.01)	8.56E-01	6.31E-01	9.83E-01
rs7932167	DRD4	11	610,599	0.21	Dom	1.14 (0.7-1.85)	2.07 (1.1-3.9)	1.12 (0.53-2.4)	2.25E-01	4.49E-01	9.83E-01
rs8065441	GRB2	17	70,922,042	0.15	Add	0.78 (0.46-1.31)	1.7 (0.97-2.99)	1.52 (0.62-3.72)	8.26E-01	6.02E-01	9.83E-01
rs1544582	PRKAR2B	7	106,475,074	0.47	Add	0.96 (0.68-1.35)	1.77 (0.79-3.93)	1.66 (1.02-2.69)	8.55E-01	9.54E-01	9.83E-01
rs130021	CREBBP	16	3,772,472	0.35	Dom	0.87 (0.54-1.41)	1.12 (0.54-2.33)	2.23 (1.16-4.25)	1.70E-01	3.58E-01	9.84E-01
rs4579483	DDC	7	50,513,594	0.41	Add	1.28 (0.92-1.79)	1.57 (0.73-3.38)	1.69 (1.03-2.75)	8.37E-01	3.20E-01	9.84E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs6784005	NCK1	3	138,095,451	0.31	Add	0.87 (0.58-1.31)	1.55 (0.77-3.13)	1.81 (0.99-3.33)	7.06E-01	7.57E-01	9.84E-01
rs1385884	DRD3	3	115,324,315	0.43	Add	0.95 (0.57-1.59)	1.23 (0.58-2.62)	1.75 (1.06-2.88)	1.95E-01	4.33E-01	9.84E-01
rs11043016	TH	11	2,162,603	0.26	Dom	1.32 (0.81-2.13)	1.34 (0.69-2.62)	2.04 (1-4.14)	4.05E-01	3.30E-01	9.84E-01
rs2834590	CLIC6	21	34,991,708	0.17	Add	1.08 (0.65-1.81)	1.52 (0.85-2.71)	1.97 (0.85-4.59)	5.80E-01	7.84E-01	9.84E-01
rs17152020	DDC	7	50,517,353	0.21	Dom	1.21 (0.74-1.97)	1.31 (0.71-2.43)	2.36 (1.08-5.13)	2.49E-01	3.52E-01	9.85E-01
rs10776672	CALCYON	10	135,007,945	0.11	Dom	0.91 (0.5-1.67)	1.62 (0.95-2.77)	1.87 (0.63-5.53)	8.17E-01	9.36E-01	9.85E-01
rs9314348	CHRNA2	8	27,401,343	0.10	Dom	1.02 (0.55-1.88)	1.97 (1.15-3.37)	0.78 (0.26-2.38)	1.43E-01	3.43E-01	9.85E-01
rs7852859	FREQ (NCS1)	9	132,034,981	0.12	Dom	1.05 (0.61-1.83)	1.74 (1-3.05)	1.46 (0.56-3.79)	7.53E-01	9.37E-01	9.85E-01
rs10042486	HTR1A	5	63,297,085	0.50	Add	1.1 (0.79-1.53)	1.39 (0.6-3.2)	1.64 (1.01-2.65)	6.31E-01	7.42E-01	9.85E-01
rs6578993	TH	11	2,157,739	0.14	Dom	0.95 (0.55-1.65)	1.5 (0.86-2.62)	2.2 (0.84-5.76)	5.00E-01	7.92E-01	9.85E-01
rs11030107	BDNF	11	27,651,411	0.23	Add	0.74 (0.47-1.18)	1.53 (0.84-2.8)	2.37 (1.09-5.18)	3.57E-01	3.62E-01	9.85E-01
rs2304297	CHRNA6	8	42,727,356	0.23	Add	0.94 (0.62-1.41)	1.71 (0.94-3.14)	1.57 (0.81-3.05)	8.35E-01	9.30E-01	9.86E-01
rs933063	EPB41L2	6	131,225,408	0.32	Add	0.92 (0.65-1.32)	2.24 (1.15-4.35)	1.4 (0.81-2.44)	2.03E-01	4.04E-01	9.86E-01
rs3113355	SNCA	4	90,964,368	0.23	Dom	1.23 (0.76-1.99)	1.96 (1.02-3.76)	1.36 (0.66-2.82)	4.63E-01	5.79E-01	9.86E-01
rs17016190	SNCA	4	90,941,855	0.06	Add	1.07 (0.52-2.21)	1.59 (0.95-2.66)	2.3 (0.59-8.93)	6.18E-01	8.74E-01	9.86E-01
rs3775443	SNCA	4	90,934,697	0.06	Add	1.07 (0.52-2.21)	1.59 (0.95-2.66)	2.3 (0.59-8.93)	6.18E-01	8.74E-01	9.86E-01
rs2630349	DRD3	3	115,356,062	0.07	Add	1.47 (0.81-2.68)	1.68 (1-2.83)	1.53 (0.5-4.7)	8.76E-01	4.63E-01	9.86E-01
rs324032	DRD3	3	115,360,518	0.07	Add	1.47 (0.81-2.68)	1.68 (1-2.83)	1.53 (0.5-4.7)	8.76E-01	4.63E-01	9.86E-01
rs2630350	DRD3	3	115,357,686	0.07	Add	1.47 (0.81-2.68)	1.68 (1-2.83)	1.53 (0.5-4.7)	8.76E-01	4.63E-01	9.86E-01
rs10902188	DRD4	11	644,043	0.09	Add	1.34 (0.76-2.37)	1.68 (0.99-2.88)	1.48 (0.52-4.19)	8.29E-01	6.12E-01	9.86E-01
rs265971	DRD1	5	174,793,017	0.28	Add	0.81 (0.55-1.18)	1.62 (0.87-3.01)	1.7 (0.91-3.15)	9.06E-01	5.34E-01	9.86E-01
rs806368	CNR1	6	88,906,819	0.21	Dom	1.02 (0.63-1.67)	1.62 (0.88-3)	1.73 (0.8-3.77)	8.96E-01	9.87E-01	9.87E-01
rs2565055	CHRNA2	8	27,393,297	0.24	Dom	1.29 (0.8-2.08)	1.36 (0.71-2.61)	2.22 (1.09-4.55)	3.20E-01	3.14E-01	9.87E-01
rs6092704	GNAS	20	56,901,873	0.10	Add	0.71 (0.38-1.3)	1.88 (1.11-3.18)	1 (0.32-3.09)	3.16E-01	2.47E-01	9.87E-01
rs409588	SLC6A3	5	1,483,834	0.19	Add	0.79 (0.5-1.26)	1.68 (0.95-2.97)	1.63 (0.75-3.56)	9.51E-01	6.02E-01	9.87E-01
rs1108581	DBH	9	135,495,062	0.18	Dom	0.64 (0.37-1.09)	1.71 (0.97-3.02)	1.53 (0.61-3.84)	8.42E-01	2.24E-01	9.87E-01
rs2076370	PRKCABP	22	36,793,914	0.39	Dom	1.12 (0.68-1.85)	2.49 (1.08-5.72)	1.3 (0.71-2.37)	2.14E-01	4.42E-01	9.87E-01
rs10476156	DRD1	5	174,795,276	0.14	Add	0.9 (0.55-1.47)	1.91 (1.09-3.35)	1.14 (0.49-2.66)	2.98E-01	5.35E-01	9.87E-01
rs12639080	DRD3	3	115,386,481	0.34	Add	1.23 (0.86-1.76)	1.7 (0.83-3.52)	1.68 (1-2.83)	9.74E-01	5.20E-01	9.88E-01
rs2472554	CHRNA2	8	27,384,271	0.30	Dom	1.06 (0.66-1.72)	2.46 (1.21-5.04)	1.16 (0.6-2.24)	1.30E-01	3.14E-01	9.88E-01
rs2737033	SNCA	4	90,926,970	0.27	Dom	0.77 (0.48-1.26)	1.43 (0.75-2.7)	2.04 (0.97-4.27)	4.74E-01	4.93E-01	9.88E-01
rs10085024	HTR1A	5	63,284,120	0.49	Add	1.08 (0.77-1.51)	1.34 (0.59-3.07)	1.65 (1.02-2.67)	5.47E-01	7.36E-01	9.88E-01
rs2283791	MAPK1	22	20,460,945	0.44	Add	0.81 (0.49-1.34)	1.45 (0.69-3.03)	1.67 (1.02-2.73)	4.44E-01	5.74E-01	9.88E-01
rs5871	CALM1	14	89,941,231	0.07	Add	1.02 (0.55-1.9)	1.76 (1.04-2.95)	1.18 (0.37-3.75)	5.34E-01	8.26E-01	9.89E-01
rs2191416	CREBBP	16	3,710,730	0.24	Add	1.1 (0.74-1.62)	1.65 (0.88-3.09)	1.67 (0.9-3.1)	9.77E-01	8.95E-01	9.89E-01
rs7790758	DDC	7	50,529,038	0.20	Add	1.28 (0.84-1.93)	1.92 (1.05-3.52)	1.32 (0.68-2.59)	3.82E-01	3.95E-01	9.89E-01
rs896309	DDC	7	50,512,516	0.20	Add	1.28 (0.84-1.93)	1.92 (1.05-3.52)	1.32 (0.68-2.59)	3.82E-01	3.95E-01	9.89E-01
rs896307	DDC	7	50,536,554	0.20	Add	1.28 (0.84-1.93)	1.92 (1.05-3.52)	1.32 (0.68-2.59)	3.82E-01	3.95E-01	9.89E-01
rs11771818	DDC	7	50,509,669	0.12	Add	1.29 (0.77-2.17)	1.5 (0.86-2.62)	2.25 (0.9-5.58)	4.52E-01	4.17E-01	9.89E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2551928	CREB1	2	208,174,023	0.19	Dom	1.22 (0.74-1.99)	1.67 (0.91-3.08)	1.62 (0.74-3.56)	9.47E-01	7.43E-01	9.89E-01
rs2075572	OPRM1	6	154,453,697	0.44	Add	0.78 (0.55-1.09)	1.99 (0.95-4.17)	1.63 (0.99-2.68)	5.62E-01	2.58E-01	9.89E-01
rs1451372	DDC	7	50,521,365	0.41	Add	1.27 (0.91-1.78)	1.59 (0.74-3.42)	1.68 (1.03-2.74)	8.66E-01	3.50E-01	9.89E-01
rs2110113	CALM1	14	89,922,506	0.12	Add	1.04 (0.62-1.74)	1.66 (0.96-2.86)	1.69 (0.67-4.28)	9.71E-01	9.90E-01	9.90E-01
rs6935267	EPB41L2	6	131,204,791	0.16	Add	0.94 (0.59-1.49)	1.36 (0.78-2.36)	2.61 (1.15-5.96)	1.70E-01	3.59E-01	9.90E-01
rs760973	PRKCABP	22	36,777,212	0.44	Add	1.22 (0.71-2.11)	1.93 (0.85-4.35)	1.66 (1.02-2.69)	2.60E-01	4.55E-01	9.90E-01
rs2343662	NCK1	3	138,083,736	0.31	Add	0.84 (0.57-1.23)	1.6 (0.83-3.11)	1.69 (0.95-2.99)	8.98E-01	6.73E-01	9.90E-01
rs6295	HTR1A	5	63,294,321	0.50	Add	1.13 (0.81-1.59)	1.48 (0.63-3.48)	1.65 (1.02-2.69)	7.54E-01	7.19E-01	9.90E-01
rs4821733	PRKCABP	22	36,779,340	0.44	Dom	1.32 (0.78-2.25)	2.42 (0.97-6.07)	1.43 (0.81-2.52)	3.38E-01	4.14E-01	9.90E-01
rs6026561	GNAS	20	56,860,527	0.36	Add	0.86 (0.6-1.24)	1.11 (0.56-2.19)	1.94 (1.11-3.37)	1.35E-01	2.41E-01	9.90E-01
rs6347	SLC6A3	5	1,464,412	0.27	Dom	1.38 (0.84-2.27)	2.07 (0.99-4.31)	1.5 (0.76-2.96)	5.30E-01	3.97E-01	9.90E-01
rs2975226	SLC6A3	5	1,498,616	0.39	Add	1.12 (0.78-1.61)	2.25 (1.03-4.92)	1.35 (0.79-2.29)	1.63E-01	3.18E-01	9.90E-01
rs40184	SLC6A3	5	1,448,077	0.46	Add	1.1 (0.78-1.56)	2.94 (1.25-6.94)	1.7 (1.03-2.79)	1.23E-01	2.90E-01	9.91E-01
rs6265	BDNF	11	27,636,492	0.18	Add	0.96 (0.6-1.51)	1.33 (0.75-2.37)	2.45 (1.13-5.29)	1.92E-01	4.12E-01	9.91E-01
rs11704205	MAPK1	22	20,475,253	0.46	Add	1 (0.71-1.4)	1.87 (0.86-4.09)	1.64 (1.01-2.66)	7.02E-01	9.27E-01	9.91E-01
rs5999550	MAPK1	22	20,481,286	0.46	Add	1 (0.71-1.4)	1.87 (0.86-4.09)	1.64 (1.01-2.66)	7.02E-01	9.27E-01	9.91E-01
rs1892848	MAPK1	22	20,516,562	0.46	Add	1 (0.71-1.4)	1.87 (0.86-4.09)	1.64 (1.01-2.66)	7.02E-01	9.27E-01	9.91E-01
rs9612225	GNAZ	22	21,736,619	0.25	Add	0.78 (0.52-1.17)	1.72 (0.94-3.17)	1.66 (0.85-3.23)	9.29E-01	4.77E-01	9.91E-01
rs7271854	GNAS	20	56,880,417	0.41	Add	0.88 (0.61-1.26)	1.59 (0.75-3.37)	1.58 (0.95-2.63)	9.90E-01	7.75E-01	9.91E-01
rs2070762	TH	11	2,142,911	0.50	Add	0.92 (0.66-1.27)	2.14 (0.96-4.8)	1.63 (1.01-2.65)	4.17E-01	5.99E-01	9.91E-01
rs1364043	HTR1A	5	63,286,607	0.24	Dom	0.87 (0.53-1.43)	1.52 (0.82-2.79)	1.92 (0.88-4.22)	6.39E-01	7.92E-01	9.91E-01
rs6592961	DDC	7	50,540,384	0.22	Dom	1.12 (0.69-1.83)	1.54 (0.83-2.86)	1.9 (0.88-4.12)	6.79E-01	8.12E-01	9.91E-01
rs3952	PRKCABP	22	36,786,544	0.31	Dom	0.99 (0.61-1.6)	2.07 (1.03-4.18)	1.35 (0.7-2.63)	3.86E-01	6.78E-01	9.92E-01
rs2237649	PRKAR2B	7	106,481,518	0.47	Add	0.97 (0.69-1.36)	1.79 (0.81-3.99)	1.65 (1.01-2.67)	8.08E-01	9.52E-01	9.92E-01
rs265972	DRD1	5	174,793,122	0.46	Add	0.86 (0.61-1.19)	1.68 (0.78-3.59)	1.67 (1.03-2.73)	9.96E-01	6.51E-01	9.92E-01
rs12652860	SLC6A3	5	1,506,772	0.28	Dom	1.37 (0.84-2.21)	2.01 (1-4.06)	1.43 (0.73-2.8)	4.90E-01	3.87E-01	9.92E-01
rs1858746	GNAZ	22	21,763,804	0.28	Add	1.3 (0.89-1.9)	1.83 (0.92-3.62)	1.57 (0.88-2.81)	7.00E-01	3.99E-01	9.92E-01
rs575710	EPB41	1	29,319,242	0.09	Add	0.87 (0.47-1.62)	1.65 (0.98-2.76)	1.75 (0.55-5.58)	9.21E-01	9.08E-01	9.92E-01
rs2583958	SNCA	4	90,939,388	0.27	Dom	0.78 (0.48-1.27)	1.44 (0.76-2.73)	2.02 (0.96-4.23)	5.00E-01	5.25E-01	9.92E-01
rs2619373	SNCA	4	90,941,456	0.27	Dom	0.78 (0.48-1.27)	1.44 (0.76-2.73)	2.02 (0.96-4.23)	5.00E-01	5.25E-01	9.92E-01
rs2551931	CREB1	2	208,179,725	0.18	Dom	1.22 (0.74-2.01)	1.7 (0.93-3.12)	1.6 (0.72-3.55)	9.02E-01	7.38E-01	9.92E-01
rs2301134	SNCA	4	90,977,968	0.49	Add	0.99 (0.7-1.4)	1.34 (0.58-3.11)	1.66 (1.03-2.69)	5.48E-01	8.34E-01	9.92E-01
rs456082	SLC6A3	5	1,483,515	0.19	Add	0.78 (0.49-1.24)	1.6 (0.9-2.85)	1.53 (0.7-3.38)	9.28E-01	5.60E-01	9.92E-01
rs16952813	ADCYAP1	18	914,630	0.08	Add	1.04 (0.54-2)	1.66 (0.98-2.79)	1.67 (0.49-5.66)	9.93E-01	9.93E-01	9.93E-01
rs11660066	ADCYAP1	18	918,035	0.08	Add	1.04 (0.54-2)	1.66 (0.98-2.79)	1.67 (0.49-5.66)	9.93E-01	9.93E-01	9.93E-01
rs1076562	DRD2	11	112,801,218	0.24	Add	0.88 (0.54-1.44)	1.76 (0.95-3.28)	1.56 (0.83-2.92)	8.82E-01	8.68E-01	9.93E-01
rs4947584	DDC	7	50,540,203	0.35	Dom	1.38 (0.84-2.27)	1.62 (0.73-3.6)	1.84 (1-3.4)	8.05E-01	3.95E-01	9.93E-01
rs6775389	NCK1	3	138,142,414	0.31	Add	0.85 (0.58-1.24)	1.59 (0.82-3.08)	1.69 (0.95-3.01)	8.70E-01	6.93E-01	9.93E-01
rs938525	NCK1	3	138,064,643	0.31	Add	0.85 (0.58-1.24)	1.59 (0.82-3.08)	1.69 (0.95-3.01)	8.70E-01	6.93E-01	9.93E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs9846691	NCK1	3	138,088,961	0.31	Add	0.85 (0.58-1.24)	1.59 (0.82-3.08)	1.69 (0.95-3.01)	8.70E-01	6.93E-01	9.93E-01
rs1865149	NCK1	3	138,078,300	0.31	Add	0.85 (0.58-1.24)	1.59 (0.82-3.08)	1.69 (0.95-3.01)	8.70E-01	6.93E-01	9.93E-01
rs4678274	NCK1	3	138,121,927	0.31	Add	0.85 (0.58-1.24)	1.59 (0.82-3.08)	1.69 (0.95-3.01)	8.70E-01	6.93E-01	9.93E-01
rs12330283	NCK1	3	138,073,101	0.31	Add	0.85 (0.58-1.24)	1.59 (0.82-3.08)	1.69 (0.95-3.01)	8.70E-01	6.93E-01	9.93E-01
rs9352483	HTR1B	6	78,246,975	0.15	Dom	1.01 (0.59-1.73)	1.57 (0.9-2.75)	1.97 (0.77-5.06)	6.87E-01	9.16E-01	9.93E-01
rs835636	NCK1	3	138,157,190	0.48	Dom	1.1 (0.63-1.94)	2.57 (0.94-6.97)	1.43 (0.83-2.49)	3.17E-01	5.87E-01	9.93E-01
rs737662	PRKCABP	22	36,782,311	0.31	Dom	0.96 (0.6-1.56)	2.04 (1.02-4.11)	1.33 (0.68-2.61)	3.85E-01	6.63E-01	9.93E-01
rs242942	CRHR1	17	41,247,413	0.13	Add	0.95 (0.56-1.6)	1.83 (1.06-3.16)	1.25 (0.49-3.19)	4.85E-01	7.43E-01	9.93E-01
rs267405	DRD1	5	174,817,158	0.42	Dom	1.12 (0.68-1.87)	1.4 (0.6-3.25)	1.82 (1.01-3.27)	6.16E-01	7.64E-01	9.93E-01
rs267406	DRD1	5	174,817,347	0.42	Dom	1.12 (0.68-1.87)	1.4 (0.6-3.25)	1.82 (1.01-3.27)	6.16E-01	7.64E-01	9.93E-01
rs2985332	EPB41	1	29,211,686	0.15	Dom	0.8 (0.44-1.45)	1.38 (0.8-2.4)	3.11 (1.06-9.18)	1.91E-01	3.75E-01	9.93E-01
rs6297	HTR1B	6	78,228,660	0.14	Add	0.98 (0.59-1.63)	2.03 (1.16-3.57)	0.97 (0.4-2.33)	1.51E-01	3.50E-01	9.93E-01
rs5755694	MAPK1	22	20,530,530	0.44	Dom	0.93 (0.56-1.55)	1.93 (0.83-4.49)	1.55 (0.86-2.78)	6.71E-01	8.65E-01	9.94E-01
rs606148	OPRM1	6	154,477,679	0.10	Add	0.88 (0.49-1.56)	1.95 (1.14-3.34)	0.86 (0.31-2.43)	1.63E-01	3.44E-01	9.94E-01
rs10040882	SLC6A3	5	1,471,558	0.23	Add	0.86 (0.57-1.3)	1.92 (1.05-3.5)	1.36 (0.7-2.66)	4.15E-01	5.00E-01	9.94E-01
rs11564764	SLC6A3	5	1,458,806	0.05	Dom	0.93 (0.39-2.19)	1.53 (0.93-2.54)	3.54 (0.65-19.23)	3.54E-01	6.18E-01	9.94E-01
rs936465	DRD4	11	633,568	0.45	Add	0.94 (0.66-1.34)	1.82 (0.8-4.09)	1.5 (0.9-2.48)	5.98E-01	8.03E-01	9.94E-01
rs3122156	HCRTR2	6	55,190,766	0.26	Add	0.74 (0.49-1.11)	1.93 (1.04-3.57)	1.41 (0.73-2.71)	4.58E-01	2.22E-01	9.94E-01
rs11575313	DDC	7	50,573,662	0.10	Dom	1.41 (0.78-2.57)	1.59 (0.92-2.73)	2.25 (0.77-6.57)	5.65E-01	4.53E-01	9.94E-01
rs11575321	DDC	7	50,572,601	0.10	Dom	1.41 (0.78-2.57)	1.59 (0.92-2.73)	2.25 (0.77-6.57)	5.65E-01	4.53E-01	9.94E-01
rs915172	EPB41L2	6	131,226,463	0.31	Dom	1 (0.62-1.61)	2.37 (1.16-4.83)	1.21 (0.62-2.33)	1.74E-01	3.87E-01	9.94E-01
rs1433318	NCK1	3	138,149,144	0.31	Add	0.85 (0.58-1.25)	1.59 (0.82-3.09)	1.71 (0.96-3.03)	8.58E-01	7.03E-01	9.94E-01
rs10935210	NCK1	3	138,133,843	0.31	Add	0.85 (0.58-1.25)	1.59 (0.82-3.09)	1.71 (0.96-3.03)	8.58E-01	7.03E-01	9.94E-01
rs10485058	OPRM1	6	154,486,907	0.14	Add	1.01 (0.63-1.63)	1.65 (0.95-2.88)	1.73 (0.75-3.98)	9.27E-01	9.94E-01	9.94E-01
rs613355	OPRM1	6	154,491,542	0.35	Dom	0.82 (0.57-1.17)	2.1 (1.03-4.32)	1.37 (0.71-2.64)	4.10E-01	3.12E-01	9.94E-01
rs3025388	DBH	9	135,493,077	0.16	Add	0.66 (0.39-1.12)	1.8 (1.02-3.18)	1.54 (0.6-3.91)	7.73E-01	2.57E-01	9.94E-01
rs806381	CNR1	6	88,922,620	0.34	Add	0.84 (0.58-1.21)	1.32 (0.68-2.58)	1.88 (1.08-3.28)	3.49E-01	4.62E-01	9.94E-01
rs11772714	DDC	7	50,510,337	0.20	Add	1.24 (0.82-1.88)	1.83 (1-3.33)	1.43 (0.72-2.82)	5.66E-01	5.51E-01	9.94E-01
rs10064525	SLC6A3	5	1,445,721	0.06	Dom	0.57 (0.24-1.37)	1.69 (1.02-2.81)	2.43 (0.43-13.66)	6.91E-01	4.12E-01	9.94E-01
rs17059736	EPB41L2	6	131,232,531	0.12	Dom	0.79 (0.44-1.42)	1.85 (1.07-3.19)	1.13 (0.4-3.2)	4.15E-01	4.88E-01	9.94E-01
rs10457561	EPB41L2	6	131,223,025	0.16	Add	1.05 (0.66-1.67)	1.69 (0.96-2.99)	1.61 (0.73-3.52)	9.14E-01	9.73E-01	9.94E-01
rs2236610	CLIC6	21	34,982,538	0.16	Dom	0.81 (0.47-1.39)	1.88 (1.05-3.35)	1.17 (0.47-2.96)	3.99E-01	4.79E-01	9.95E-01
rs1228814	HTR1B	6	78,230,539	0.43	Add	1.02 (0.71-1.47)	1.11 (0.5-2.46)	1.93 (1.16-3.23)	1.36E-01	3.14E-01	9.95E-01
rs7868148	FREQ (NCS1)	9	132,043,755	0.27	Add	0.97 (0.66-1.43)	1.17 (0.62-2.2)	2.23 (1.21-4.09)	1.04E-01	2.59E-01	9.95E-01
rs835648	NCK1	3	138,154,194	0.30	Add	0.86 (0.59-1.27)	1.57 (0.81-3.02)	1.73 (0.96-3.1)	8.07E-01	7.47E-01	9.95E-01
rs11564767	SLC6A3	5	1,457,704	0.06	Dom	0.72 (0.31-1.67)	1.55 (0.94-2.58)	3.32 (0.63-17.61)	3.93E-01	5.83E-01	9.95E-01
rs9837990	NCK1	3	138,115,626	0.39	Dom	0.79 (0.48-1.29)	1.96 (0.91-4.22)	1.53 (0.83-2.85)	6.29E-01	5.38E-01	9.95E-01
rs806379	CNR1	6	88,917,986	0.50	Add	0.86 (0.62-1.2)	1.45 (0.65-3.2)	1.67 (1.03-2.72)	6.67E-01	6.26E-01	9.95E-01
rs12054220	NCK1	3	138,160,271	0.49	Dom	1.25 (0.72-2.17)	1.22 (0.47-3.19)	1.82 (1.03-3.19)	4.87E-01	5.54E-01	9.95E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs9881139	NCK1	3	138,116,730	0.39	Add	0.84 (0.59-1.2)	1.53 (0.75-3.12)	1.73 (1.03-2.9)	7.44E-01	6.11E-01	9.95E-01
rs2105250	EPB41L2	6	131,325,875	0.27	Dom	0.8 (0.49-1.32)	1.37 (0.73-2.59)	2.47 (1.12-5.44)	2.56E-01	4.13E-01	9.95E-01
rs7924316	TH	11	2,130,023	0.48	Dom	0.86 (0.51-1.45)	1.04 (0.44-2.47)	2.02 (1.12-3.64)	2.12E-01	4.12E-01	9.95E-01
rs11043001	TH	11	2,159,621	0.15	Dom	0.95 (0.55-1.64)	1.39 (0.8-2.44)	2.66 (1.03-6.88)	2.50E-01	5.09E-01	9.95E-01
rs16956223	CHRNA7	15	30,198,075	0.17	Add	0.68 (0.41-1.11)	1.69 (0.97-2.95)	1.58 (0.67-3.76)	8.96E-01	2.58E-01	9.95E-01
rs632395	OPRM1	6	154,478,944	0.10	Add	0.86 (0.49-1.51)	1.93 (1.13-3.3)	0.9 (0.32-2.5)	1.83E-01	3.68E-01	9.95E-01
rs563649	OPRM1	6	154,449,660	0.09	Add	0.81 (0.43-1.54)	1.44 (0.86-2.41)	3.42 (1.02-11.49)	1.91E-01	3.50E-01	9.95E-01
rs2737015	SNCA	4	90,964,306	0.27	Dom	0.81 (0.5-1.31)	1.44 (0.76-2.73)	2.02 (0.96-4.23)	5.02E-01	5.82E-01	9.95E-01
rs5759593	GNAZ	22	21,794,457	0.41	Add	1.06 (0.77-1.47)	1.68 (0.81-3.49)	1.67 (1.02-2.73)	9.80E-01	9.32E-01	9.95E-01
rs988749	EPB41L2	6	131,201,181	0.29	Add	0.8 (0.55-1.17)	1.47 (0.79-2.74)	1.93 (1.05-3.57)	4.84E-01	4.15E-01	9.95E-01
rs6859392	HTR1A	5	63,277,237	0.30	Add	1.07 (0.67-1.73)	1.64 (0.86-3.12)	1.7 (0.95-3.03)	9.33E-01	9.56E-01	9.95E-01
rs2583981	SNCA	4	90,971,605	0.27	Dom	0.81 (0.5-1.31)	1.44 (0.76-2.73)	2.02 (0.96-4.23)	5.02E-01	5.82E-01	9.95E-01
rs13148411	SNCA	4	90,969,745	0.27	Dom	0.81 (0.5-1.31)	1.44 (0.76-2.73)	2.02 (0.96-4.23)	5.02E-01	5.82E-01	9.95E-01
rs6356	TH	11	2,147,527	0.36	Dom	1.4 (0.85-2.31)	1.89 (0.83-4.28)	1.51 (0.83-2.74)	6.66E-01	4.01E-01	9.95E-01
rs267400	DRD1	5	174,815,305	0.43	Dom	1.11 (0.67-1.85)	1.42 (0.61-3.31)	1.78 (0.99-3.21)	6.66E-01	8.10E-01	9.96E-01
rs6532191	SNCA	4	90,964,953	0.50	Add	0.96 (0.68-1.35)	1.3 (0.56-3.04)	1.66 (1.02-2.68)	5.02E-01	7.89E-01	9.96E-01
rs1853384	OPRM1	6	154,466,651	0.35	Dom	0.8 (0.5-1.3)	2.08 (1.02-4.26)	1.38 (0.72-2.66)	4.10E-01	4.22E-01	9.96E-01
rs10011157	SNCA	4	90,969,867	0.23	Dom	1.2 (0.74-1.95)	1.96 (1.02-3.74)	1.43 (0.68-2.99)	5.33E-01	6.68E-01	9.96E-01
rs618207	OPRM1	6	154,466,362	0.35	Dom	0.8 (0.5-1.3)	2.08 (1.02-4.26)	1.38 (0.72-2.66)	4.10E-01	4.22E-01	9.96E-01
rs9818792	NCK1	3	138,072,010	0.31	Add	0.86 (0.58-1.26)	1.6 (0.82-3.1)	1.67 (0.94-2.98)	9.05E-01	7.24E-01	9.96E-01
rs1107470	CLIC6	21	35,021,758	0.21	Dom	1.03 (0.63-1.69)	1.41 (0.77-2.59)	2.21 (0.99-4.95)	3.83E-01	6.59E-01	9.96E-01
rs4460839	DRD2	11	112,827,006	0.09	Dom	1.01 (0.53-1.93)	1.96 (1.14-3.36)	0.75 (0.23-2.42)	1.44E-01	3.35E-01	9.96E-01
rs735421	CHRNA2	8	27,375,209	0.30	Dom	1.09 (0.67-1.78)	1.67 (0.82-3.39)	1.69 (0.87-3.3)	9.76E-01	9.37E-01	9.96E-01
rs6026567	GNAS	20	56,878,310	0.41	Dom	0.99 (0.7-1.41)	1.53 (0.66-3.53)	1.72 (0.95-3.11)	4.17E-01	7.16E-01	9.96E-01
rs12895068	CALM1	14	89,957,031	0.07	Add	0.87 (0.46-1.65)	1.75 (1.05-2.93)	1.25 (0.38-4.15)	6.06E-01	7.75E-01	9.96E-01
rs234623	GNAS	20	56,922,359	0.48	Dom	1.31 (0.72-2.38)	3.1 (1.03-9.28)	1.41 (0.82-2.43)	2.09E-01	3.63E-01	9.96E-01
rs9370399	HCRTR2	6	55,152,984	0.45	Add	1.01 (0.73-1.41)	1.67 (0.77-3.59)	1.66 (1.02-2.69)	9.85E-01	9.96E-01	9.96E-01
rs2519765	DBH	9	135,484,246	0.32	Add	0.83 (0.56-1.22)	2.18 (1.1-4.31)	1.35 (0.76-2.42)	2.39E-01	2.67E-01	9.96E-01
rs3788332	MAPK1	22	20,501,567	0.46	Add	1 (0.71-1.4)	1.91 (0.87-4.18)	1.63 (1-2.64)	6.43E-01	8.95E-01	9.96E-01
rs7648198	NCK1	3	138,154,451	0.47	Dom	0.92 (0.54-1.56)	2.27 (0.91-5.67)	1.46 (0.83-2.58)	4.24E-01	6.61E-01	9.96E-01
rs1392808	CHRNA7	15	30,198,807	0.17	Add	0.68 (0.42-1.11)	1.69 (0.97-2.95)	1.56 (0.66-3.71)	8.74E-01	2.67E-01	9.96E-01
rs10438342	CHRNA7	15	30,189,338	0.38	Add	0.79 (0.56-1.12)	1.9 (0.95-3.8)	1.55 (0.92-2.61)	5.73E-01	3.29E-01	9.96E-01
rs2652511	SLC6A3	5	1,499,389	0.39	Add	1.14 (0.8-1.63)	2.29 (1.07-4.9)	1.54 (0.93-2.56)	2.74E-01	4.43E-01	9.96E-01
rs9392	CREBBP	16	3,715,170	0.22	Add	1.06 (0.7-1.61)	1.86 (1.01-3.43)	1.43 (0.74-2.78)	5.38E-01	8.01E-01	9.96E-01
rs8136867	MAPK1	22	20,534,793	0.44	Dom	0.94 (0.56-1.57)	1.86 (0.8-4.33)	1.56 (0.87-2.81)	7.35E-01	9.08E-01	9.96E-01
rs3810614	GNAZ	22	21,767,271	0.29	Add	1.26 (0.87-1.82)	1.62 (0.82-3.2)	1.76 (0.98-3.14)	8.39E-01	4.41E-01	9.96E-01
rs6517254	CLIC6	21	35,002,160	0.38	Dom	0.75 (0.46-1.21)	1.88 (0.9-3.95)	1.58 (0.83-3.01)	7.27E-01	4.43E-01	9.96E-01
rs129963	CREBBP	16	3,736,148	0.44	Dom	1.23 (0.72-2.09)	1.96 (0.79-4.85)	1.55 (0.88-2.73)	6.69E-01	7.07E-01	9.96E-01
rs8135665	PRKCABP	22	36,806,222	0.20	Add	1.25 (0.75-2.07)	1.98 (1.07-3.68)	1.46 (0.75-2.84)	6.51E-01	6.59E-01	9.96E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs9845460	NCK1	3	138,069,807	0.24	Dom	0.8 (0.53-1.22)	1.74 (0.93-3.25)	1.54 (0.72-3.29)	7.26E-01	5.47E-01	9.96E-01
rs2834604	CLIC6	21	35,014,932	0.34	Add	0.81 (0.54-1.2)	1.97 (0.97-3.98)	1.52 (0.86-2.65)	5.25E-01	4.12E-01	9.97E-01
rs129968	CREBBP	16	3,731,262	0.35	Add	0.98 (0.67-1.42)	2.35 (1.12-4.94)	1.48 (0.87-2.54)	2.32E-01	4.68E-01	9.97E-01
rs965808	GNAS	20	56,841,821	0.24	Dom	0.98 (0.61-1.6)	1.63 (0.87-3.08)	1.68 (0.8-3.53)	9.53E-01	9.97E-01	9.97E-01
rs2236081	EPB41L2	6	131,196,716	0.28	Dom	1.22 (0.76-1.98)	2.19 (1.08-4.46)	1.29 (0.67-2.5)	2.85E-01	4.42E-01	9.97E-01
rs8125112	GNAS	20	56,864,560	0.16	Dom	0.96 (0.54-1.7)	1.34 (0.75-2.39)	2.92 (1.06-8.05)	1.92E-01	4.04E-01	9.97E-01
rs6761993	NCK1	3	138,108,592	0.39	Add	0.85 (0.6-1.2)	1.52 (0.75-3.09)	1.69 (1.01-2.84)	7.68E-01	6.32E-01	9.97E-01
rs10244632	DDC	7	50,566,197	0.27	Add	1.1 (0.76-1.6)	1.36 (0.71-2.61)	1.98 (1.09-3.59)	3.34E-01	5.17E-01	9.97E-01
rs3735275	DDC	7	50,484,765	0.17	Add	1.29 (0.83-1.98)	1.7 (0.96-3.04)	1.56 (0.75-3.24)	8.38E-01	5.30E-01	9.97E-01
rs3134710	HCRTR2	6	55,190,420	0.26	Add	0.74 (0.49-1.12)	1.93 (1.04-3.58)	1.41 (0.73-2.72)	4.60E-01	2.46E-01	9.97E-01
rs9357853	HCRTR2	6	55,213,660	0.26	Add	0.74 (0.49-1.11)	1.9 (1.03-3.5)	1.43 (0.75-2.74)	4.98E-01	2.44E-01	9.97E-01
rs12130351	EPB41	1	29,269,534	0.07	Dom	1.51 (0.77-2.96)	1.59 (0.94-2.67)	2.04 (0.58-7.21)	7.16E-01	4.27E-01	9.97E-01
rs1004764	PRKCABP	22	36,804,798	0.39	Dom	1.08 (0.65-1.79)	2.37 (1.03-5.45)	1.36 (0.75-2.47)	2.91E-01	5.63E-01	9.97E-01
rs10891556	DRD2	11	112,857,971	0.17	Add	1.1 (0.7-1.74)	1.53 (0.86-2.74)	1.84 (0.85-3.96)	6.99E-01	8.19E-01	9.97E-01
rs540825	OPRM1	6	154,456,139	0.25	Add	0.8 (0.54-1.19)	1.8 (0.99-3.27)	1.57 (0.81-3.04)	7.40E-01	4.51E-01	9.97E-01
rs9353524	CNR1	6	88,894,335	0.21	Dom	0.99 (0.61-1.63)	1.51 (0.82-2.77)	1.91 (0.86-4.23)	6.44E-01	8.98E-01	9.97E-01
rs10268819	DDC	7	50,577,565	0.12	Add	1.35 (0.8-2.3)	1.65 (0.92-2.94)	2.06 (0.81-5.27)	6.83E-01	4.54E-01	9.97E-01
rs6064714	GNAS	20	56,847,535	0.15	Add	0.72 (0.43-1.21)	1.48 (0.86-2.55)	2.42 (0.94-6.26)	3.64E-01	3.39E-01	9.97E-01
rs4436578	DRD2	11	112,811,975	0.12	Add	1.41 (0.88-2.25)	1.62 (0.93-2.8)	1.9 (0.83-4.32)	7.38E-01	3.55E-01	9.97E-01
rs2834603	CLIC6	21	35,014,793	0.07	Dom	0.82 (0.38-1.77)	1.58 (0.95-2.62)	2.27 (0.52-9.86)	6.45E-01	7.74E-01	9.97E-01
rs11088294	CLIC6	21	35,020,213	0.25	Dom	0.73 (0.45-1.2)	1.65 (0.89-3.07)	1.73 (0.8-3.74)	9.27E-01	4.58E-01	9.97E-01
rs2251838	PRKAR2B	7	106,507,403	0.34	Dom	1.34 (0.82-2.19)	1.33 (0.62-2.85)	1.85 (0.99-3.46)	5.10E-01	3.69E-01	9.97E-01
rs2834600	CLIC6	21	35,007,972	0.15	Dom	1.31 (0.78-2.21)	1.57 (0.88-2.79)	1.76 (0.71-4.34)	8.31E-01	5.52E-01	9.97E-01
rs9349768	HCRTR2	6	55,199,409	0.22	Add	0.74 (0.48-1.13)	1.87 (1.04-3.37)	1.35 (0.66-2.77)	4.62E-01	2.59E-01	9.97E-01
rs2834587	CLIC6	21	34,986,503	0.34	Dom	0.86 (0.53-1.39)	1.89 (0.91-3.89)	1.53 (0.8-2.94)	6.78E-01	7.40E-01	9.97E-01
rs3819041	CLIC6	21	35,003,496	0.42	Add	1.19 (0.86-1.66)	1.58 (0.74-3.4)	1.67 (1.03-2.71)	8.78E-01	5.49E-01	9.97E-01
rs9357850	HCRTR2	6	55,204,783	0.22	Add	0.74 (0.48-1.13)	1.87 (1.04-3.37)	1.35 (0.66-2.77)	4.62E-01	2.59E-01	9.97E-01
rs4947510	DDC	7	50,492,914	0.29	Add	1.18 (0.83-1.68)	1.51 (0.79-2.89)	1.78 (1.02-3.09)	6.56E-01	5.79E-01	9.97E-01
rs2012859	PRKCABP	22	36,803,652	0.30	Dom	0.82 (0.51-1.32)	1.48 (0.77-2.87)	1.91 (0.94-3.86)	6.10E-01	6.54E-01	9.98E-01
rs1057137	CHRNA2	8	27,373,362	0.40	Dom	1.21 (0.72-2.02)	2.64 (1.12-6.25)	1.37 (0.76-2.47)	2.17E-01	4.01E-01	9.98E-01
rs11575453	DDC	7	50,515,359	0.08	Add	0.94 (0.5-1.79)	1.57 (0.93-2.66)	2.1 (0.64-6.91)	6.63E-01	9.04E-01	9.98E-01
rs1812923	SNCA	4	90,958,562	0.43	Dom	0.85 (0.51-1.42)	1.29 (0.55-3.01)	1.86 (1.04-3.35)	4.87E-01	6.81E-01	9.98E-01
rs6938321	CNR1	6	88,892,773	0.12	Dom	0.83 (0.46-1.49)	1.82 (1.05-3.13)	1.19 (0.42-3.37)	4.79E-01	6.12E-01	9.98E-01
rs876259	CALM1	14	89,952,709	0.07	Add	0.9 (0.47-1.73)	1.75 (1.05-2.94)	1.2 (0.35-4.07)	5.68E-01	7.78E-01	9.98E-01
rs3788337	GNAZ	22	21,742,017	0.35	Dom	0.8 (0.49-1.29)	1.3 (0.65-2.59)	2.03 (1.02-4.02)	3.68E-01	4.73E-01	9.98E-01
rs12154324	PRKAR2B	7	106,508,168	0.09	Add	0.97 (0.54-1.76)	1.84 (1.09-3.12)	1.01 (0.34-3.03)	3.25E-01	6.10E-01	9.98E-01
rs4820537	GNAZ	22	21,794,810	0.47	Dom	0.98 (0.58-1.65)	2.37 (0.97-5.8)	1.42 (0.8-2.52)	3.45E-01	6.18E-01	9.98E-01
rs1017112	FREQ (NCS1)	9	131,976,625	0.17	Add	0.89 (0.56-1.41)	1.26 (0.72-2.22)	2.72 (1.21-6.08)	1.06E-01	2.48E-01	9.98E-01
rs5326	DRD1	5	174,802,802	0.13	Dom	0.98 (0.55-1.71)	1.49 (0.86-2.58)	2.36 (0.86-6.43)	4.31E-01	7.29E-01	9.98E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs8046065	CREBBP	16	3,778,299	0.11	Dom	0.79 (0.44-1.42)	1.59 (0.93-2.73)	1.98 (0.67-5.86)	7.35E-01	7.10E-01	9.98E-01
rs2440390	DRD2	11	112,792,088	0.14	Dom	0.68 (0.37-1.22)	1.71 (0.99-2.95)	1.36 (0.48-3.86)	7.04E-01	3.80E-01	9.98E-01
rs891399	CHRNA2	8	27,381,340	0.13	Add	0.94 (0.57-1.57)	1.46 (0.85-2.52)	2.38 (0.94-5.98)	3.58E-01	6.44E-01	9.98E-01
rs4074181	HCRTR2	6	55,211,426	0.22	Add	0.75 (0.49-1.15)	1.89 (1.05-3.41)	1.32 (0.65-2.71)	4.18E-01	2.68E-01	9.98E-01
rs3842748	TH	11	2,137,971	0.22	Add	0.88 (0.57-1.37)	1.99 (1.06-3.73)	1.36 (0.67-2.79)	4.04E-01	5.59E-01	9.98E-01
rs7178176	CHRNA7	15	30,231,105	0.24	Dom	1.04 (0.7-1.54)	1.77 (0.93-3.37)	1.52 (0.74-3.13)	4.74E-01	7.73E-01	9.98E-01
rs7164518	CHRNA7	15	30,249,900	0.17	Add	0.9 (0.56-1.45)	1.48 (0.83-2.63)	1.77 (0.78-4.02)	7.16E-01	8.81E-01	9.98E-01
rs2565062	CHRNA2	8	27,381,857	0.13	Add	0.95 (0.57-1.58)	1.47 (0.85-2.53)	2.38 (0.95-5.99)	3.64E-01	6.51E-01	9.98E-01
rs2186287	CLIC6	21	34,990,935	0.34	Add	0.84 (0.57-1.22)	1.8 (0.91-3.58)	1.51 (0.86-2.67)	6.61E-01	5.62E-01	9.98E-01
rs9612234	GNAZ	22	21,797,080	0.44	Add	1.04 (0.75-1.45)	1.51 (0.7-3.24)	1.68 (1.03-2.73)	7.44E-01	9.11E-01	9.98E-01
rs257384	PRKAR2B	7	106,592,630	0.45	Dom	1.14 (0.68-1.93)	1.09 (0.45-2.65)	1.98 (1.11-3.51)	2.71E-01	4.49E-01	9.98E-01
rs7803247	DDC	7	50,508,237	0.42	Add	1.15 (0.83-1.61)	1.52 (0.71-3.24)	1.67 (1.03-2.72)	7.75E-01	6.51E-01	9.98E-01
rs6015389	GNAS	20	56,860,121	0.36	Add	0.88 (0.61-1.26)	1.15 (0.58-2.28)	1.86 (1.07-3.21)	1.93E-01	3.46E-01	9.98E-01
rs9612237	GNAZ	22	21,802,954	0.44	Add	1.04 (0.75-1.45)	1.42 (0.67-3.04)	1.69 (1.04-2.74)	6.15E-01	8.46E-01	9.98E-01
rs2741339	CHRNA2	8	27,390,886	0.27	Add	1.24 (0.86-1.79)	1.58 (0.82-3.03)	1.79 (1.02-3.16)	7.38E-01	4.53E-01	9.98E-01
rs3788339	GNAZ	22	21,747,677	0.13	Dom	1.21 (0.69-2.12)	1.57 (0.9-2.74)	1.83 (0.68-4.94)	7.93E-01	7.26E-01	9.98E-01
rs2486200	EPB41	1	29,236,572	0.23	Dom	0.8 (0.48-1.33)	1.39 (0.76-2.52)	2.38 (1.02-5.54)	3.09E-01	4.66E-01	9.98E-01
rs3798249	EPB41L2	6	131,249,136	0.48	Add	0.91 (0.66-1.26)	2.39 (1.09-5.28)	1.69 (1.04-2.75)	2.96E-01	4.48E-01	9.98E-01
rs3122167	HCRTR2	6	55,220,774	0.28	Add	0.75 (0.51-1.1)	1.81 (0.97-3.37)	1.52 (0.82-2.81)	6.61E-01	2.74E-01	9.98E-01
rs717099	PRKAR2B	7	106,528,174	0.46	Dom	0.87 (0.52-1.46)	2.65 (1.12-6.26)	1.37 (0.77-2.46)	2.15E-01	3.84E-01	9.98E-01
rs9426306	EPB41	1	29,261,001	0.13	Dom	0.84 (0.46-1.54)	1.44 (0.84-2.47)	2.89 (0.95-8.78)	2.70E-01	5.01E-01	9.99E-01
rs2985329	EPB41	1	29,206,549	0.13	Dom	0.84 (0.46-1.54)	1.44 (0.84-2.47)	2.89 (0.95-8.78)	2.70E-01	5.01E-01	9.99E-01
rs2619372	SNCA	4	90,955,750	0.29	Add	1.15 (0.8-1.66)	1.97 (1-3.89)	1.52 (0.87-2.64)	4.93E-01	6.58E-01	9.99E-01
rs2737020	SNCA	4	90,959,901	0.29	Add	1.15 (0.8-1.66)	1.97 (1-3.89)	1.52 (0.87-2.64)	4.93E-01	6.58E-01	9.99E-01
rs2788888	EPB41	1	29,252,579	0.23	Dom	0.8 (0.48-1.34)	1.4 (0.77-2.54)	2.38 (1.02-5.54)	3.15E-01	4.76E-01	9.99E-01
rs2153165	EPB41	1	29,258,073	0.23	Dom	0.8 (0.48-1.34)	1.4 (0.77-2.54)	2.38 (1.02-5.54)	3.15E-01	4.76E-01	9.99E-01
rs2834605	CLIC6	21	35,019,400	0.14	Add	1.2 (0.7-2.04)	1.5 (0.85-2.66)	2.01 (0.8-5.07)	6.01E-01	6.31E-01	9.99E-01
rs3735757	CHRNA2	8	27,377,514	0.14	Add	0.87 (0.52-1.45)	1.52 (0.88-2.64)	2.28 (0.9-5.76)	4.48E-01	6.80E-01	9.99E-01
rs9624019	GNAZ	22	21,737,301	0.10	Add	1.07 (0.58-1.96)	1.49 (0.88-2.54)	2.43 (0.78-7.56)	4.37E-01	6.47E-01	9.99E-01
rs2834578	CLIC6	21	34,981,479	0.41	Dom	1.21 (0.87-1.68)	2.1 (0.92-4.82)	1.45 (0.8-2.62)	9.50E-01	5.21E-01	9.99E-01
rs6955387	PRKAR2B	7	106,535,275	0.39	Dom	0.84 (0.51-1.37)	2.19 (1.02-4.73)	1.42 (0.77-2.64)	3.90E-01	5.02E-01	9.99E-01
rs12072831	EPB41	1	29,265,747	0.15	Dom	0.81 (0.45-1.47)	1.44 (0.84-2.49)	2.85 (0.96-8.49)	2.74E-01	4.89E-01	9.99E-01
rs4810148	GNAS	20	56,881,306	0.34	Add	1.02 (0.71-1.48)	1.45 (0.72-2.93)	1.77 (1.04-3.03)	6.00E-01	8.55E-01	9.99E-01
rs4364482	HCRTR2	6	55,148,947	0.18	Dom	0.91 (0.54-1.53)	1.27 (0.71-2.28)	2.93 (1.2-7.15)	1.24E-01	2.93E-01	9.99E-01
rs2834586	CLIC6	21	34,986,352	0.18	Dom	0.9 (0.54-1.51)	1.88 (1.05-3.38)	1.27 (0.55-2.97)	4.58E-01	6.79E-01	9.99E-01
rs4936270	DRD2	11	112,823,618	0.10	Dom	0.88 (0.46-1.68)	1.91 (1.11-3.29)	0.82 (0.26-2.59)	1.92E-01	4.04E-01	9.99E-01
rs3801969	PRKAR2B	7	106,498,728	0.45	Dom	1 (0.6-1.7)	1.03 (0.43-2.47)	2.05 (1.14-3.68)	2.03E-01	4.42E-01	9.99E-01
rs760975	PRKCABP	22	36,797,730	0.39	Dom	1.05 (0.63-1.74)	2.37 (1.03-5.45)	1.42 (0.78-2.6)	3.32E-01	6.20E-01	9.99E-01
rs4897473	EPB41L2	6	131,256,964	0.35	Add	1.16 (0.82-1.64)	1.37 (0.68-2.77)	1.8 (1.07-3.02)	4.43E-01	4.79E-01	9.99E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs2472553	CHRNA2	8	27,384,428	0.13	Add	1 (0.6-1.66)	1.42 (0.82-2.46)	2.57 (1.03-6.45)	2.61E-01	5.11E-01	9.99E-01
rs9656135	PRKAR2B	7	106,555,592	0.08	Add	0.93 (0.5-1.75)	1.86 (1.11-3.15)	0.88 (0.27-2.83)	2.42E-01	4.82E-01	9.99E-01
rs1999474	EPB41L2	6	131,279,395	0.28	Dom	0.87 (0.53-1.43)	1.32 (0.7-2.5)	2.32 (1.08-4.98)	2.68E-01	5.00E-01	9.99E-01
rs6919007	EPB41L2	6	131,206,179	0.37	Add	1.21 (0.86-1.69)	1.51 (0.74-3.1)	1.72 (1.04-2.85)	7.14E-01	4.82E-01	9.99E-01
rs9402292	EPB41L2	6	131,211,966	0.37	Add	1.21 (0.86-1.69)	1.51 (0.74-3.1)	1.72 (1.04-2.85)	7.14E-01	4.82E-01	9.99E-01
rs13054985	GNAZ	22	21,788,577	0.45	Dom	0.93 (0.56-1.55)	1.37 (0.58-3.21)	1.82 (1.01-3.26)	5.89E-01	8.43E-01	9.99E-01
rs17340577	PRKAR2B	7	106,506,649	0.08	Dom	1.16 (0.6-2.24)	1.69 (1-2.86)	1.36 (0.4-4.61)	7.50E-01	8.73E-01	9.99E-01
rs2068147	EPB41L2	6	131,263,595	0.48	Add	0.89 (0.64-1.22)	2.22 (1.02-4.84)	1.65 (1.02-2.67)	3.65E-01	4.67E-01	9.99E-01
rs4897472	EPB41L2	6	131,254,831	0.48	Add	0.89 (0.64-1.22)	2.22 (1.02-4.84)	1.65 (1.02-2.67)	3.65E-01	4.67E-01	9.99E-01
rs4654390	EPB41	1	29,311,603	0.49	Add	0.85 (0.61-1.18)	1.97 (0.89-4.39)	1.63 (1.01-2.65)	5.84E-01	4.76E-01	9.99E-01
rs1076153	DBH	9	135,487,964	0.20	Dom	1.39 (0.85-2.28)	1.53 (0.82-2.85)	1.92 (0.88-4.2)	6.59E-01	3.35E-01	9.99E-01
rs4897468	EPB41L2	6	131,206,765	0.37	Add	1.2 (0.86-1.69)	1.5 (0.74-3.08)	1.72 (1.04-2.86)	6.95E-01	4.90E-01	9.99E-01
rs6479643	DBH	9	135,504,489	0.38	Add	1.01 (0.72-1.42)	1.78 (0.87-3.65)	1.63 (0.98-2.71)	8.00E-01	9.68E-01	9.99E-01
rs2734841	ANKK1	11	112,786,986	0.30	Dom	1.03 (0.64-1.67)	2.04 (1-4.13)	1.38 (0.71-2.68)	4.33E-01	7.34E-01	9.99E-01
rs7122454	DRD2	11	112,832,678	0.15	Add	0.95 (0.58-1.57)	1.37 (0.79-2.39)	2.69 (1.11-6.55)	1.95E-01	4.17E-01	9.99E-01
rs4733065	CHRNA2	8	27,363,921	0.45	Dom	0.86 (0.61-1.2)	1.5 (0.66-3.42)	1.73 (0.95-3.17)	7.49E-01	6.51E-01	9.99E-01
rs157208	EPB41	1	29,117,993	0.24	Add	1.07 (0.72-1.58)	1.78 (0.96-3.3)	1.51 (0.8-2.85)	6.88E-01	8.93E-01	9.99E-01
rs3788341	GNAZ	22	21,747,758	0.47	Add	1.12 (0.8-1.56)	2.06 (0.9-4.73)	1.67 (1.03-2.7)	5.40E-01	7.00E-01	9.99E-01
rs4075265	EPB41L2	6	131,208,150	0.31	Add	0.88 (0.62-1.26)	1.49 (0.79-2.82)	1.82 (1.02-3.23)	5.94E-01	6.98E-01	9.99E-01
rs2073833	DBH	9	135,510,103	0.42	Add	1 (0.7-1.41)	1.85 (0.85-4.04)	1.7 (1.02-2.83)	8.10E-01	9.69E-01	9.99E-01
rs3829905	FREQ (NCS1)	9	132,024,932	0.35	Dom	1.11 (0.67-1.85)	2.14 (0.98-4.66)	1.77 (0.89-3.5)	7.22E-01	8.82E-01	9.99E-01
rs7867693	FREQ (NCS1)	9	132,043,625	0.11	Dom	0.94 (0.52-1.68)	2.01 (1.17-3.48)	0.81 (0.29-2.29)	1.29E-01	3.00E-01	9.99E-01
rs4274224	DRD2	11	112,824,662	0.45	Dom	0.79 (0.56-1.12)	2.35 (0.99-5.57)	1.41 (0.79-2.52)	8.20E-01	3.68E-01	9.99E-01
rs10915216	EPB41	1	29,229,250	0.49	Add	0.84 (0.6-1.17)	1.91 (0.86-4.25)	1.63 (1-2.64)	6.42E-01	4.65E-01	9.99E-01
rs4938019	DRD2	11	112,846,601	0.15	Add	0.93 (0.56-1.52)	1.38 (0.79-2.41)	2.7 (1.11-6.56)	1.98E-01	4.24E-01	9.99E-01
rs2741335	CHRNA2	8	27,393,708	0.27	Dom	1.07 (0.66-1.72)	1.31 (0.68-2.53)	2.19 (1.08-4.45)	2.94E-01	5.33E-01	9.99E-01
rs886528	CREBBP	16	3,751,557	0.47	Dom	0.95 (0.55-1.63)	2.19 (0.86-5.58)	1.47 (0.83-2.58)	4.70E-01	7.42E-01	9.99E-01
rs2299419	PRKAR2B	7	106,506,772	0.09	Add	0.88 (0.48-1.61)	1.85 (1.09-3.14)	0.96 (0.31-2.98)	2.98E-01	5.07E-01	9.99E-01
rs2254241	EPB41	1	29,290,620	0.13	Dom	0.81 (0.44-1.49)	1.46 (0.85-2.5)	2.74 (0.89-8.43)	3.22E-01	5.34E-01	9.99E-01
rs2985335	EPB41	1	29,218,234	0.13	Dom	0.82 (0.45-1.51)	1.46 (0.85-2.51)	2.79 (0.92-8.49)	3.03E-01	5.30E-01	9.99E-01
rs3134711	HCRTR2	6	55,211,851	0.28	Add	0.75 (0.51-1.11)	1.82 (0.97-3.39)	1.53 (0.82-2.84)	6.67E-01	2.96E-01	9.99E-01
rs891398	CHRNA2	8	27,380,739	0.48	Dom	1.06 (0.74-1.51)	1.34 (0.48-3.72)	1.8 (1.04-3.12)	2.65E-01	4.60E-01	9.99E-01
rs6569709	EPB41L2	6	131,223,739	0.31	Add	0.9 (0.63-1.29)	1.45 (0.77-2.73)	1.85 (1.05-3.27)	5.00E-01	6.90E-01	9.99E-01
rs12173930	HTR1B	6	78,243,153	0.13	Dom	1.13 (0.65-1.95)	1.66 (0.95-2.9)	1.68 (0.65-4.37)	9.82E-01	9.10E-01	9.99E-01
rs730092	DDC	7	50,503,248	0.43	Add	1.14 (0.82-1.59)	1.52 (0.71-3.26)	1.68 (1.03-2.74)	7.70E-01	6.92E-01	9.99E-01
rs7003694	CHRNA2	8	27,403,111	0.09	Add	0.8 (0.43-1.48)	1.75 (1.04-2.94)	1.3 (0.4-4.16)	6.40E-01	6.41E-01	9.99E-01
rs806369	CNR1	6	88,912,897	0.31	Add	1.04 (0.73-1.49)	1.77 (0.91-3.43)	1.6 (0.93-2.76)	7.82E-01	9.41E-01	9.99E-01
rs6938735	EPB41L2	6	131,196,596	0.31	Add	0.88 (0.62-1.26)	1.52 (0.8-2.87)	1.8 (1.01-3.19)	6.47E-01	7.15E-01	9.99E-01
rs7741664	HCRTR2	6	55,213,260	0.25	Add	0.76 (0.51-1.15)	1.91 (1.03-3.52)	1.41 (0.73-2.72)	4.75E-01	3.05E-01	9.99E-01

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs1413753	EPB41L2	6	131,192,197	0.32	Dom	0.83 (0.51-1.34)	1.51 (0.77-2.98)	1.89 (0.94-3.8)	6.55E-01	6.97E-01	9.99E-01
rs150089	EPB41	1	29,131,901	0.32	Add	1.03 (0.64-1.67)	1.78 (0.91-3.47)	1.59 (0.92-2.76)	6.04E-01	8.58E-01	9.99E-01
rs10835210	BDNF	11	27,652,486	0.48	Dom	1.03 (0.6-1.76)	1.81 (0.72-4.53)	1.6 (0.91-2.82)	8.30E-01	9.74E-01	9.99E-01
rs2278319	CHRNA2	8	27,364,878	0.24	Dom	0.83 (0.51-1.35)	1.82 (0.98-3.39)	1.41 (0.66-3.06)	6.17E-01	6.31E-01	9.99E-01
rs4987059	DRD4	11	626,433	0.05	Add	1.14 (0.53-2.45)	1.7 (1.02-2.83)	1.38 (0.32-5.9)	7.94E-01	9.20E-01	9.99E-01
rs1106359	CHRNA2	8	27,365,256	0.42	Dom	1.17 (0.84-1.63)	1.85 (0.78-4.35)	1.58 (0.88-2.83)	5.22E-01	5.68E-01	9.99E-01
rs11644593	CREBBP	16	3,811,287	0.10	Add	0.87 (0.46-1.62)	1.5 (0.89-2.55)	2.72 (0.83-8.97)	3.69E-01	6.42E-01	9.99E-01
rs4947535	DDC	7	50,499,175	0.28	Add	1.14 (0.8-1.64)	1.76 (0.92-3.36)	1.57 (0.89-2.77)	7.63E-01	7.54E-01	9.99E-01
rs7766004	EPB41L2	6	131,295,666	0.27	Dom	0.88 (0.54-1.44)	1.33 (0.7-2.52)	2.3 (1.07-4.94)	2.82E-01	5.24E-01	9.99E-01
rs7771240	HCRTR2	6	55,201,790	0.28	Add	0.76 (0.51-1.12)	1.82 (0.98-3.4)	1.52 (0.82-2.82)	6.47E-01	3.05E-01	9.99E-01
rs510769	OPRM1	6	154,403,712	0.26	Add	0.89 (0.6-1.32)	1.32 (0.72-2.43)	2.08 (1.1-3.94)	2.61E-01	4.72E-01	9.99E-01
rs4245148	DRD2	11	112,825,629	0.10	Dom	0.85 (0.45-1.62)	1.88 (1.1-3.24)	0.87 (0.27-2.75)	2.33E-01	4.50E-01	9.99E-01
rs151331	GNAS	20	56,925,899	0.30	Dom	1.14 (0.7-1.86)	1.21 (0.6-2.45)	2.16 (1.09-4.29)	2.50E-01	4.11E-01	9.99E-01
rs883473	CHRNA7	15	30,112,968	0.31	Add	0.87 (0.61-1.24)	2.17 (1.13-4.14)	1.38 (0.78-2.42)	2.15E-01	3.30E-01	9.99E-01
rs11214611	DRD2	11	112,835,429	0.15	Add	0.94 (0.57-1.55)	1.38 (0.79-2.41)	2.64 (1.09-6.43)	2.12E-01	4.47E-01	9.99E-01
rs8027814	CHRNA7	15	30,137,964	0.29	Add	0.88 (0.61-1.25)	2.14 (1.13-4.04)	1.36 (0.77-2.43)	2.25E-01	3.48E-01	9.99E-01
rs4938016	ANKK1	11	112,775,225	0.32	Dom	1.05 (0.65-1.7)	2.02 (0.97-4.19)	1.43 (0.75-2.72)	4.88E-01	7.81E-01	9.99E-01
rs6975	EPB41L2	6	131,197,795	0.26	Add	1.04 (0.7-1.55)	1.99 (1.05-3.79)	1.42 (0.77-2.62)	4.02E-01	6.83E-01	9.99E-01
rs7456339	DDC	7	50,583,334	0.14	Dom	1.11 (0.64-1.94)	1.55 (0.89-2.7)	2.13 (0.8-5.63)	5.78E-01	7.92E-01	9.99E-01
rs748283	CHRNA2	8	27,373,112	0.49	Add	0.86 (0.62-1.2)	1.32 (0.61-2.85)	1.69 (1.04-2.74)	4.71E-01	5.48E-01	9.99E-01
rs1913456	CHRNA7	15	30,133,241	0.20	Add	0.99 (0.66-1.5)	2.09 (1.16-3.76)	1.15 (0.57-2.3)	1.59E-01	3.66E-01	9.99E-01
rs6598007	DRD4	11	646,523	0.06	Add	1.16 (0.58-2.3)	1.73 (1.03-2.9)	1.28 (0.35-4.62)	6.71E-01	8.61E-01	9.99E-01
rs2839942	EPB41L2	6	131,250,191	0.31	Dom	0.83 (0.52-1.35)	1.6 (0.82-3.14)	1.78 (0.88-3.6)	8.32E-01	7.54E-01	9.99E-01
rs2175886	CHRNA7	15	30,143,239	0.47	Dom	0.68 (0.41-1.12)	1.68 (0.75-3.81)	1.66 (0.91-3.03)	9.79E-01	3.18E-01	9.99E-01
rs891394	CHRNA2	8	27,375,686	0.26	Add	0.94 (0.64-1.4)	1.48 (0.8-2.73)	1.86 (0.99-3.5)	5.65E-01	8.29E-01	9.99E-01
rs12055940	PRKAR2B	7	106,538,782	0.09	Dom	0.98 (0.52-1.85)	1.82 (1.07-3.1)	1.07 (0.34-3.38)	4.10E-01	7.10E-01	9.99E-01
rs203298	EPB41	1	29,105,251	0.09	Add	0.84 (0.45-1.58)	1.66 (0.99-2.78)	1.51 (0.46-4.91)	8.85E-01	8.41E-01	9.99E-01
rs6977868	PRKAR2B	7	106,577,791	0.18	Dom	1.08 (0.65-1.8)	1.48 (0.83-2.65)	2.11 (0.9-4.98)	5.02E-01	7.35E-01	1.00E-00
rs11767623	PRKAR2B	7	106,579,568	0.18	Dom	1.03 (0.62-1.72)	1.5 (0.83-2.68)	2.06 (0.88-4.84)	5.46E-01	8.14E-01	1.00E-00
rs9479757	OPRM1	6	154,453,037	0.10	Add	0.88 (0.5-1.55)	1.89 (1.11-3.23)	0.98 (0.35-2.72)	2.52E-01	4.81E-01	1.00E-00
rs7023210	FREQ (NCS1)	9	132,011,977	0.48	Dom	1.03 (0.59-1.78)	3.16 (1.21-8.3)	1.3 (0.74-2.28)	1.18E-01	2.74E-01	1.00E-00
rs7131056	DRD2	11	112,834,984	0.45	Add	1.13 (0.8-1.59)	2.21 (0.98-4.97)	1.64 (1.01-2.66)	3.93E-01	5.92E-01	1.00E-00
rs806371	CNR1	6	88,913,082	0.12	Dom	1.09 (0.62-1.94)	1.55 (0.9-2.68)	2.08 (0.74-5.84)	6.25E-01	8.22E-01	1.00E-00
rs12705406	PRKAR2B	7	106,579,790	0.13	Dom	0.96 (0.54-1.71)	1.45 (0.84-2.51)	2.6 (0.91-7.37)	3.35E-01	6.17E-01	1.00E-00
rs806376	CNR1	6	88,915,367	0.49	Dom	1.12 (0.64-1.93)	2.32 (0.9-6)	1.48 (0.84-2.58)	4.20E-01	6.90E-01	1.00E-00
rs510587	OPRM1	6	154,455,121	0.05	Add	1.03 (0.48-2.18)	1.82 (1.1-3.03)	0.75 (0.18-3.12)	2.44E-01	5.03E-01	1.00E-00
rs11238131	DDC	7	50,506,083	0.28	Add	1.13 (0.79-1.63)	1.74 (0.91-3.33)	1.58 (0.9-2.79)	7.94E-01	7.81E-01	1.00E-00
rs10988653	FREQ (NCS1)	9	132,046,295	0.38	Add	1.1 (0.78-1.56)	2.48 (1.19-5.2)	1.44 (0.87-2.39)	1.33E-01	2.99E-01	1.00E-00
rs7125415	DRD2	11	112,815,891	0.09	Dom	1.39 (0.76-2.55)	1.78 (1.04-3.05)	1.28 (0.43-3.81)	5.98E-01	5.19E-01	1.00E-00

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs885964	GNAZ	22	21,791,003	0.45	Dom	0.94 (0.56-1.57)	1.42 (0.61-3.31)	1.76 (0.98-3.17)	6.86E-01	9.06E-01	1.00E-00
rs2057291	GNAS	20	56,905,438	0.37	Add	1.07 (0.75-1.53)	1.2 (0.59-2.44)	1.84 (1.09-3.13)	2.45E-01	4.26E-01	1.00E-00
rs1799978	DRD2	11	112,851,561	0.06	Dom	1.5 (0.75-3.02)	1.71 (1.01-2.88)	1.56 (0.43-5.73)	8.98E-01	5.28E-01	1.00E-00
rs4812042	GNAS	20	56,895,310	0.41	Add	1.13 (0.8-1.58)	1.32 (0.62-2.77)	1.72 (1.04-2.82)	4.48E-01	5.35E-01	1.00E-00
rs7775013	EPB41L2	6	131,228,271	0.37	Add	1.18 (0.84-1.65)	1.48 (0.72-3.03)	1.73 (1.05-2.87)	6.51E-01	5.43E-01	1.00E-00
rs2191917	PRKAR2B	7	106,560,944	0.09	Dom	0.98 (0.52-1.84)	1.8 (1.06-3.06)	1.13 (0.36-3.59)	4.77E-01	7.73E-01	1.00E-00
rs2322581	CHRNA2	8	27,379,524	0.17	Add	0.91 (0.57-1.45)	1.53 (0.87-2.69)	1.97 (0.88-4.4)	5.94E-01	8.10E-01	1.00E-00
rs806377	CNR1	6	88,915,442	0.46	Add	1.11 (0.8-1.55)	1.67 (0.76-3.68)	1.67 (1.03-2.7)	9.96E-01	8.10E-01	1.00E-00
rs10819611	FREQ (NCS1)	9	131,995,274	0.30	Dom	1.06 (0.65-1.7)	2.28 (1.14-4.56)	1.21 (0.62-2.38)	2.03E-01	4.42E-01	1.00E-00
rs928592	EPB41L2	6	131,219,792	0.29	Dom	0.98 (0.61-1.59)	2.04 (1.03-4.03)	1.34 (0.68-2.66)	3.94E-01	6.83E-01	1.00E-00
rs9375785	EPB41L2	6	131,316,601	0.17	Add	1 (0.63-1.57)	1.56 (0.88-2.75)	1.92 (0.88-4.19)	6.52E-01	9.02E-01	1.00E-00
rs2073835	DBH	9	135,522,004	0.30	Add	1.05 (0.64-1.72)	1.61 (0.8-3.21)	1.81 (1.02-3.21)	5.96E-01	8.35E-01	1.00E-00
rs6296	HTR1B	6	78,228,979	0.28	Add	0.87 (0.58-1.28)	1.31 (0.7-2.45)	2.08 (1.11-3.89)	2.59E-01	4.63E-01	1.00E-00
rs17209711	OPRM1	6	154,438,148	0.16	Add	0.96 (0.6-1.54)	1.64 (0.93-2.9)	1.69 (0.75-3.79)	9.55E-01	9.84E-01	1.00E-00
rs12422191	ANKK1	11	112,779,220	0.09	Dom	1.18 (0.64-2.17)	1.75 (1.02-3)	1.33 (0.44-3.98)	6.59E-01	7.95E-01	1.00E-00
rs203278	EPB41	1	29,114,784	0.36	Add	1.1 (0.77-1.57)	2.04 (1-4.16)	1.51 (0.9-2.55)	4.22E-01	6.65E-01	1.00E-00
rs2985322	EPB41	1	29,169,054	0.32	Add	1.03 (0.72-1.47)	1.8 (0.92-3.5)	1.58 (0.91-2.74)	7.33E-01	9.39E-01	1.00E-00
rs6589377	DRD2	11	112,860,946	0.35	Add	0.81 (0.56-1.17)	1.62 (0.82-3.18)	1.76 (1-3.08)	8.33E-01	5.16E-01	1.00E-00
rs2133965	CHRNA7	15	30,171,846	0.07	Dom	1.13 (0.56-2.29)	1.61 (0.96-2.7)	2.11 (0.56-7.85)	7.10E-01	8.78E-01	1.00E-00
rs7778076	PRKAR2B	7	106,510,244	0.09	Dom	0.85 (0.46-1.57)	1.76 (1.04-2.97)	1.24 (0.38-4.1)	6.18E-01	7.49E-01	1.00E-00
rs2452788	EPB41	1	29,319,398	0.15	Dom	0.82 (0.44-1.51)	1.5 (0.85-2.65)	2.24 (0.73-6.84)	5.33E-01	7.20E-01	1.00E-00
rs13212041	HTR1B	6	78,227,843	0.19	Add	1.03 (0.66-1.61)	1.9 (1.05-3.43)	1.34 (0.65-2.77)	4.45E-01	7.48E-01	1.00E-00
rs11030104	BDNF	11	27,641,093	0.19	Add	1.02 (0.66-1.57)	1.39 (0.77-2.5)	2.19 (1.07-4.51)	3.07E-01	5.88E-01	1.00E-00
rs7121	GNAS	20	56,912,202	0.50	Dom	1.31 (0.72-2.38)	1.53 (0.53-4.39)	1.65 (0.96-2.85)	8.97E-01	6.57E-01	1.00E-00
rs234627	GNAS	20	56,920,375	0.28	Dom	1.07 (0.66-1.73)	1.24 (0.63-2.44)	2.22 (1.1-4.48)	2.45E-01	4.63E-01	1.00E-00
rs2250121	PRKAR2B	7	106,540,484	0.09	Dom	0.96 (0.51-1.81)	1.81 (1.06-3.08)	1.11 (0.35-3.5)	4.48E-01	7.42E-01	1.00E-00
rs17153861	PRKAR2B	7	106,556,875	0.09	Dom	1 (0.53-1.88)	1.81 (1.06-3.08)	1.09 (0.34-3.47)	4.37E-01	7.40E-01	1.00E-00
rs3777466	EPB41L2	6	131,309,919	0.46	Add	0.91 (0.66-1.26)	2.02 (0.94-4.32)	1.64 (1.01-2.67)	5.39E-01	6.72E-01	1.00E-00
rs9359271	HTR1B	6	78,222,839	0.27	Add	0.89 (0.6-1.32)	1.31 (0.7-2.45)	2.07 (1.11-3.89)	2.62E-01	4.91E-01	1.00E-00
rs607759	OPRM1	6	154,414,130	0.22	Dom	1.16 (0.71-1.88)	1.6 (0.85-3.01)	1.71 (0.81-3.61)	8.95E-01	8.25E-01	1.00E-00
rs623956	OPRM1	6	154,471,718	0.25	Add	0.85 (0.56-1.28)	1.86 (1-3.46)	1.62 (0.82-3.18)	7.46E-01	6.41E-01	1.00E-00
rs1514246	CHRNA7	15	30,106,782	0.25	Add	1.03 (0.72-1.49)	2.21 (1.18-4.14)	1.36 (0.75-2.46)	1.92E-01	4.19E-01	1.00E-00
rs12203487	HTR1B	6	78,215,602	0.13	Dom	1.13 (0.65-1.96)	1.57 (0.9-2.74)	1.96 (0.74-5.19)	7.04E-01	8.29E-01	1.00E-00
rs6960842	PRKAR2B	7	106,502,556	0.42	Dom	1.19 (0.71-1.98)	1.64 (0.7-3.88)	1.65 (0.92-2.96)	9.91E-01	8.05E-01	1.00E-00
rs6128461	GNAS	20	56,910,485	0.39	Add	0.99 (0.7-1.4)	1.21 (0.59-2.47)	1.83 (1.09-3.08)	2.48E-01	5.03E-01	1.00E-00
rs12419948	BDNF	11	27,623,560	0.18	Add	0.99 (0.63-1.54)	1.41 (0.79-2.51)	2.21 (1.05-4.66)	3.18E-01	6.01E-01	1.00E-00
rs988748	BDNF	11	27,681,321	0.20	Add	0.99 (0.64-1.52)	1.39 (0.78-2.5)	2.17 (1.06-4.44)	3.19E-01	6.03E-01	1.00E-00
rs2145288	GNAS	20	56,877,604	0.28	Dom	0.87 (0.54-1.41)	1.91 (0.98-3.72)	1.41 (0.7-2.84)	5.40E-01	6.75E-01	1.00E-00
rs1491850	BDNF	11	27,706,301	0.37	Add	1.05 (0.64-1.74)	1.33 (0.64-2.76)	1.81 (1.08-3.02)	2.91E-01	5.46E-01	1.00E-00

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs10806098	HTR1B	6	78,232,728	0.28	Add	0.85 (0.57-1.25)	1.34 (0.72-2.51)	2.04 (1.09-3.83)	3.06E-01	4.81E-01	1.00E-00
rs2000292	HTR1B	6	78,223,664	0.28	Add	0.84 (0.56-1.25)	1.36 (0.72-2.55)	2.02 (1.07-3.79)	3.39E-01	4.87E-01	1.00E-00
rs2900286	FREQ (NCS1)	9	132,030,234	0.31	Dom	1.01 (0.62-1.64)	2.38 (1.15-4.92)	1.21 (0.63-2.34)	1.76E-01	3.91E-01	1.00E-00
rs4779563	CHRNA7	15	30,124,529	0.25	Add	0.9 (0.61-1.33)	2.09 (1.13-3.86)	1.29 (0.69-2.44)	2.34E-01	4.06E-01	1.00E-00
rs1413755	EPB41L2	6	131,195,892	0.37	Add	1.1 (0.78-1.55)	1.49 (0.73-3.02)	1.74 (1.05-2.9)	6.50E-01	7.63E-01	1.00E-00
rs512053	OPRM1	6	154,481,209	0.09	Add	1.15 (0.63-2.12)	1.52 (0.9-2.56)	2.55 (0.81-7.98)	4.12E-01	5.71E-01	1.00E-00
rs12625436	GNAS	20	56,878,608	0.39	Add	1.12 (0.78-1.61)	1.29 (0.62-2.71)	1.77 (1.07-2.95)	3.90E-01	5.00E-01	1.00E-00
rs2049048	BDNF	11	27,707,162	0.14	Dom	0.99 (0.57-1.72)	1.56 (0.89-2.71)	2.01 (0.77-5.28)	6.52E-01	9.02E-01	1.00E-00
rs1054879	FREQ (NCS1)	9	132,035,589	0.46	Add	0.84 (0.59-1.18)	1.15 (0.53-2.49)	1.7 (1.04-2.77)	2.66E-01	3.57E-01	1.00E-00
rs4779565	CHRNA7	15	30,177,362	0.42	Add	0.82 (0.58-1.15)	1.91 (0.92-3.95)	1.57 (0.95-2.61)	5.85E-01	3.93E-01	1.00E-00
rs868437	CHRNA7	15	30,111,569	0.29	Add	0.88 (0.61-1.26)	2.1 (1.11-3.97)	1.39 (0.78-2.47)	2.64E-01	4.06E-01	1.00E-00
rs3729876	PRKAR2B	7	106,574,188	0.18	Dom	1.02 (0.61-1.69)	1.48 (0.83-2.66)	2.1 (0.9-4.94)	5.05E-01	7.89E-01	1.00E-00
rs1800900	GNAS	20	56,848,505	0.39	Dom	1.06 (0.63-1.8)	2.18 (0.92-5.16)	1.51 (0.81-2.82)	4.95E-01	7.87E-01	1.00E-00
rs3780708	FREQ (NCS1)	9	131,975,772	0.36	Dom	1.34 (0.81-2.24)	2.41 (1.06-5.45)	1.36 (0.72-2.56)	2.79E-01	3.33E-01	1.00E-00
rs557748	OPRM1	6	154,405,995	0.22	Dom	1.16 (0.71-1.88)	1.67 (0.89-3.13)	1.68 (0.8-3.55)	9.87E-01	8.41E-01	1.00E-00
rs477292	OPRM1	6	154,405,080	0.22	Dom	1.16 (0.71-1.88)	1.67 (0.89-3.13)	1.68 (0.8-3.55)	9.87E-01	8.41E-01	1.00E-00
rs150093	EPB41	1	29,101,418	0.13	Add	1.16 (0.72-1.88)	1.62 (0.93-2.84)	1.76 (0.75-4.08)	8.76E-01	8.11E-01	1.00E-00
rs1519480	BDNF	11	27,632,288	0.29	Add	1.07 (0.74-1.55)	1.84 (0.95-3.54)	1.54 (0.88-2.72)	6.45E-01	8.62E-01	1.00E-00
rs2277200	FREQ (NCS1)	9	132,028,530	0.31	Dom	1 (0.62-1.62)	2.35 (1.14-4.85)	1.23 (0.64-2.37)	1.94E-01	4.18E-01	1.00E-00
rs6466156	PRKAR2B	7	106,519,170	0.35	Add	1.03 (0.72-1.47)	2.12 (1.05-4.28)	1.49 (0.88-2.52)	3.38E-01	6.32E-01	1.00E-00
rs2611605	CHRNA7	15	30,228,925	0.20	Add	1 (0.64-1.54)	1.39 (0.78-2.51)	2.4 (1.15-5.01)	2.28E-01	4.71E-01	1.00E-00
rs12527143	HTR1B	6	78,221,317	0.20	Add	0.85 (0.55-1.31)	1.72 (0.96-3.08)	1.58 (0.75-3.31)	8.47E-01	7.21E-01	1.00E-00
rs4779969	CHRNA7	15	30,136,223	0.05	Dom	0.63 (0.25-1.57)	1.64 (0.99-2.72)	1.5 (0.26-8.56)	9.22E-01	5.85E-01	1.00E-00
rs504932	OPRM1	6	154,472,161	0.25	Add	0.85 (0.57-1.27)	1.71 (0.94-3.11)	1.63 (0.84-3.15)	9.07E-01	6.91E-01	1.00E-00
rs11214589	ANKK1	11	112,750,258	0.46	Add	1.05 (0.72-1.52)	1.16 (0.49-2.74)	1.69 (1.02-2.81)	3.24E-01	5.64E-01	1.00E-00
rs4630328	DRD2	11	112,839,419	0.35	Add	0.81 (0.56-1.18)	1.59 (0.81-3.13)	1.75 (1-3.08)	8.03E-01	5.46E-01	1.00E-00
rs2762686	EPB41	1	29,188,832	0.12	Dom	0.97 (0.53-1.78)	1.49 (0.87-2.55)	2.51 (0.82-7.75)	4.10E-01	6.99E-01	1.00E-00
rs6026574	GNAS	20	56,889,890	0.37	Dom	1.24 (0.76-2.02)	1.44 (0.66-3.15)	1.78 (0.96-3.28)	6.82E-01	6.17E-01	1.00E-00
rs2180696	GNAS	20	56,887,299	0.40	Add	0.86 (0.61-1.23)	1.69 (0.82-3.5)	1.62 (0.98-2.7)	9.05E-01	6.97E-01	1.00E-00
rs257387	PRKAR2B	7	106,595,716	0.18	Dom	1.06 (0.64-1.77)	1.49 (0.83-2.68)	2.07 (0.88-4.86)	5.41E-01	7.84E-01	1.00E-00
rs2519147	DBH	9	135,485,139	0.35	Add	0.87 (0.61-1.25)	2.17 (1.08-4.35)	1.46 (0.86-2.5)	2.93E-01	4.00E-01	1.00E-00
rs642489	OPRM1	6	154,484,368	0.24	Add	0.85 (0.57-1.27)	1.72 (0.95-3.13)	1.63 (0.84-3.16)	8.97E-01	6.96E-01	1.00E-00
rs609148	OPRM1	6	154,472,707	0.24	Add	0.85 (0.57-1.27)	1.72 (0.95-3.13)	1.63 (0.84-3.16)	8.97E-01	6.96E-01	1.00E-00
rs7124442	BDNF	11	27,633,617	0.27	Dom	0.87 (0.53-1.43)	1.47 (0.76-2.84)	2.35 (1.11-4.98)	3.55E-01	6.02E-01	1.00E-00
rs2519148	DBH	9	135,484,387	0.50	Add	1.01 (0.72-1.42)	1.41 (0.61-3.24)	1.64 (1.01-2.65)	6.72E-01	9.10E-01	1.00E-00
rs9322446	OPRM1	6	154,450,395	0.15	Add	1.22 (0.78-1.9)	1.63 (0.93-2.88)	1.75 (0.81-3.74)	8.82E-01	6.76E-01	1.00E-00
rs8033518	CHRNA7	15	30,168,901	0.05	Dom	0.65 (0.26-1.63)	1.66 (1-2.74)	1.4 (0.25-8.02)	8.56E-01	6.32E-01	1.00E-00
rs6484320	BDNF	11	27,659,764	0.19	Add	1 (0.65-1.54)	1.41 (0.78-2.53)	2.14 (1.05-4.39)	3.40E-01	6.30E-01	1.00E-00
rs4938010	ANKK1	11	112,750,776	0.15	Dom	1.25 (0.74-2.12)	1.71 (0.96-3.05)	1.64 (0.68-3.95)	9.42E-01	7.09E-01	1.00E-00

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs234621	GNAS	20	56,923,643	0.29	Dom	1.11 (0.69-1.8)	1.26 (0.63-2.52)	2.12 (1.07-4.22)	2.96E-01	4.99E-01	1.00E-00
rs157213	EPB41	1	29,126,858	0.12	Dom	0.98 (0.53-1.81)	1.45 (0.84-2.48)	2.52 (0.82-7.78)	3.83E-01	6.64E-01	1.00E-00
rs1342043	FREQ (NCS1)	9	131,998,126	0.14	Add	0.83 (0.49-1.39)	1.47 (0.85-2.55)	2.65 (1.03-6.82)	2.75E-01	4.66E-01	1.00E-00
rs9802616	FREQ (NCS1)	9	131,970,944	0.16	Add	0.85 (0.54-1.37)	1.94 (1.1-3.42)	1.17 (0.52-2.61)	2.88E-01	4.41E-01	1.00E-00
rs157194	EPB41	1	29,108,306	0.12	Dom	0.97 (0.53-1.79)	1.5 (0.87-2.56)	2.51 (0.81-7.74)	4.16E-01	7.04E-01	1.00E-00
rs9788657	CHRNA7	15	30,182,318	0.20	Add	0.88 (0.57-1.37)	1.79 (0.99-3.24)	1.41 (0.69-2.89)	5.89E-01	7.15E-01	1.00E-00
rs8030315	CHRNA7	15	30,184,411	0.20	Add	0.88 (0.57-1.37)	1.79 (0.99-3.24)	1.41 (0.69-2.89)	5.89E-01	7.15E-01	1.00E-00
rs8035668	CHRNA7	15	30,178,638	0.20	Add	0.89 (0.57-1.37)	1.81 (1-3.27)	1.41 (0.69-2.89)	5.73E-01	7.14E-01	1.00E-00
rs2281487	EPB41L2	6	131,192,810	0.40	Add	1.06 (0.75-1.49)	1.37 (0.66-2.84)	1.74 (1.06-2.88)	4.95E-01	7.46E-01	1.00E-00
rs2536504	PRKAR2B	7	106,501,141	0.34	Dom	1.17 (0.72-1.9)	1.55 (0.74-3.27)	1.72 (0.91-3.24)	8.38E-01	7.80E-01	1.00E-00
rs6064716	GNAS	20	56,877,541	0.13	Add	0.99 (0.6-1.62)	1.52 (0.88-2.61)	2.17 (0.88-5.37)	4.87E-01	7.80E-01	1.00E-00
rs11030121	BDNF	11	27,692,783	0.27	Add	1 (0.69-1.46)	1.84 (0.97-3.47)	1.53 (0.84-2.76)	6.36E-01	8.93E-01	1.00E-00
rs484000	EPB41	1	29,324,724	0.07	Add	1.14 (0.57-2.28)	1.66 (0.96-2.87)	1.23 (0.34-4.48)	6.75E-01	8.76E-01	1.00E-00
rs11071530	CHRNA7	15	30,147,264	0.10	Add	0.83 (0.46-1.48)	1.61 (0.95-2.72)	1.85 (0.63-5.48)	8.14E-01	7.92E-01	1.00E-00
rs1003641	ANKK1	11	112,778,846	0.30	Dom	1.04 (0.64-1.68)	2.04 (1-4.13)	1.37 (0.7-2.66)	4.20E-01	7.21E-01	1.00E-00
rs3798683	OPRM1	6	154,460,107	0.16	Add	0.96 (0.6-1.54)	1.51 (0.86-2.65)	2.05 (0.9-4.65)	5.28E-01	8.16E-01	1.00E-00
rs3778158	OPRM1	6	154,447,423	0.16	Add	0.95 (0.6-1.52)	1.67 (0.95-2.94)	1.64 (0.73-3.64)	9.66E-01	9.76E-01	1.00E-00
rs4590907	ANKK1	11	112,768,580	0.14	Add	1.16 (0.72-1.87)	1.78 (1.01-3.14)	1.48 (0.65-3.35)	7.03E-01	7.71E-01	1.00E-00
rs10891545	ANKK1	11	112,763,275	0.15	Add	1.1 (0.68-1.77)	1.78 (1.01-3.13)	1.46 (0.65-3.29)	6.83E-01	8.47E-01	1.00E-00
rs4543330	HTR1B	6	78,247,352	0.14	Add	1.27 (0.8-2.02)	1.66 (0.94-2.92)	1.67 (0.75-3.75)	9.88E-01	5.90E-01	1.00E-00
rs9788679	CHRNA7	15	30,186,609	0.19	Add	0.92 (0.6-1.42)	1.83 (1.01-3.29)	1.38 (0.67-2.83)	5.23E-01	7.41E-01	1.00E-00
rs7768760	HCRTR2	6	55,153,334	0.49	Dom	0.96 (0.56-1.67)	1.89 (0.75-4.81)	1.59 (0.9-2.81)	7.53E-01	9.44E-01	1.00E-00
rs7175581	CHRNA7	15	30,172,759	0.43	Dom	0.95 (0.57-1.59)	1.09 (0.47-2.54)	2.04 (1.12-3.71)	2.35E-01	4.90E-01	1.00E-00
rs10819610	FREQ (NCS1)	9	131,986,436	0.28	Add	1 (0.7-1.43)	1.93 (1.02-3.65)	1.48 (0.84-2.62)	4.75E-01	7.74E-01	1.00E-00
rs2337980	CHRNA7	15	30,231,488	0.44	Dom	1.22 (0.72-2.08)	2.02 (0.81-5.01)	1.53 (0.86-2.7)	6.11E-01	6.88E-01	1.00E-00
rs7402321	CHRNA7	15	30,207,700	0.38	Dom	1.25 (0.75-2.1)	1.49 (0.64-3.43)	1.65 (0.89-3.04)	8.48E-01	6.53E-01	1.00E-00
rs2734848	ANKK1	11	112,775,584	0.17	Dom	0.88 (0.51-1.52)	1.88 (1.04-3.42)	1.37 (0.55-3.39)	5.68E-01	7.36E-01	1.00E-00
rs157198	EPB41	1	29,076,494	0.08	Add	0.81 (0.43-1.55)	1.79 (1.06-3.01)	1.31 (0.39-4.37)	6.36E-01	7.02E-01	1.00E-00
rs77905	DBH	9	135,507,918	0.48	Add	0.94 (0.67-1.32)	2.45 (1.06-5.63)	1.61 (0.99-2.63)	2.37E-01	4.29E-01	1.00E-00
rs1514248	CHRNA7	15	30,164,975	0.13	Add	0.86 (0.54-1.37)	1.74 (0.99-3.05)	1.21 (0.51-2.89)	4.58E-01	5.79E-01	1.00E-00
rs1124492	ANKK1	11	112,787,485	0.11	Dom	1.21 (0.68-2.16)	1.69 (0.97-2.93)	1.5 (0.54-4.15)	8.45E-01	8.04E-01	1.00E-00
rs1039394	CHRNA7	15	30,195,021	0.05	Dom	1.32 (0.62-2.81)	1.58 (0.95-2.63)	2.44 (0.58-10.25)	5.74E-01	6.39E-01	1.00E-00
rs7452651	HCRTR2	6	55,243,472	0.22	Add	0.78 (0.51-1.19)	1.83 (1.02-3.3)	1.4 (0.69-2.84)	5.40E-01	3.98E-01	1.00E-00
rs4311512	HCRTR2	6	55,198,654	0.28	Add	0.78 (0.53-1.14)	1.77 (0.95-3.3)	1.58 (0.85-2.91)	7.73E-01	3.89E-01	1.00E-00
rs1381376	OPRM1	6	154,434,951	0.16	Add	0.94 (0.59-1.51)	1.66 (0.94-2.93)	1.65 (0.74-3.7)	9.92E-01	9.71E-01	1.00E-00
rs130058	HTR1B	6	78,230,000	0.29	Add	0.86 (0.58-1.26)	1.44 (0.76-2.71)	1.81 (0.99-3.31)	5.64E-01	6.37E-01	1.00E-00
rs2519143	DBH	9	135,492,149	0.18	Add	1.01 (0.63-1.63)	1.36 (0.76-2.43)	2.41 (1.09-5.35)	2.41E-01	4.90E-01	1.00E-00
rs1213370	HTR1B	6	78,235,516	0.47	Dom	0.93 (0.66-1.31)	2.18 (0.85-5.63)	1.5 (0.86-2.63)	3.91E-01	6.60E-01	1.00E-00
rs204057	EPB41	1	29,144,644	0.24	Dom	1.11 (0.69-1.8)	1.59 (0.84-2.99)	1.77 (0.84-3.75)	8.27E-01	8.75E-01	1.00E-00

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs4620755	DRD2	11	112,814,829	0.11	Add	1.21 (0.74-1.99)	1.74 (1.01-2.99)	1.5 (0.63-3.6)	7.71E-01	7.04E-01	1.00E-00
rs10767664	BDNF	11	27,682,562	0.19	Add	1.01 (0.65-1.56)	1.41 (0.79-2.54)	2.1 (1.02-4.32)	3.71E-01	6.66E-01	1.00E-00
rs9492767	EPB41L2	6	131,314,703	0.19	Dom	1.01 (0.61-1.67)	1.76 (0.96-3.21)	1.52 (0.68-3.41)	7.81E-01	9.62E-01	1.00E-00
rs12378342	FREQ (NCS1)	9	131,970,164	0.08	Add	1.13 (0.59-2.16)	1.68 (0.99-2.83)	1.53 (0.46-5.15)	8.93E-01	9.33E-01	1.00E-00
rs11568817	HTR1B	6	78,230,101	0.44	Add	1.08 (0.76-1.53)	1.22 (0.56-2.69)	1.72 (1.05-2.8)	3.42E-01	5.58E-01	1.00E-00
rs1799971	OPRM1	6	154,402,490	0.12	Dom	0.82 (0.46-1.48)	1.65 (0.96-2.84)	1.7 (0.6-4.83)	9.58E-01	8.06E-01	1.00E-00
rs7037293	FREQ (NCS1)	9	132,002,538	0.13	Add	0.82 (0.49-1.38)	1.45 (0.85-2.5)	2.36 (0.91-6.15)	3.70E-01	5.44E-01	1.00E-00
rs11030119	BDNF	11	27,684,678	0.26	Dom	0.93 (0.58-1.5)	1.52 (0.8-2.88)	1.87 (0.9-3.87)	6.75E-01	8.90E-01	1.00E-00
rs10819615	FREQ (NCS1)	9	132,014,745	0.36	Dom	1.2 (0.74-1.97)	1.98 (0.92-4.25)	1.4 (0.75-2.61)	4.92E-01	6.23E-01	1.00E-00
rs3897499	FREQ (NCS1)	9	132,014,885	0.36	Dom	1.13 (0.69-1.83)	1.99 (0.93-4.22)	1.41 (0.75-2.64)	4.90E-01	7.27E-01	1.00E-00
rs7862394	FREQ (NCS1)	9	131,989,685	0.32	Dom	0.96 (0.59-1.54)	2.16 (1.07-4.34)	1.29 (0.66-2.53)	3.02E-01	5.56E-01	1.00E-00
rs1213366	HTR1B	6	78,233,589	0.43	Add	1.06 (0.75-1.5)	1.39 (0.64-3.04)	1.7 (1.04-2.77)	5.77E-01	7.96E-01	1.00E-00
rs589046	OPRM1	6	154,434,831	0.26	Add	0.95 (0.65-1.41)	1.45 (0.78-2.7)	1.88 (1.01-3.49)	5.11E-01	7.90E-01	1.00E-00
rs908867	BDNF	11	27,702,340	0.10	Add	1.1 (0.65-1.88)	1.8 (1.05-3.06)	1.2 (0.46-3.18)	4.63E-01	7.02E-01	1.00E-00
rs234630	GNAS	20	56,917,050	0.30	Dom	1.15 (0.71-1.86)	1.39 (0.69-2.8)	1.93 (0.98-3.78)	5.11E-01	6.54E-01	1.00E-00
rs2519154	DBH	9	135,502,096	0.42	Dom	1.13 (0.67-1.89)	1.69 (0.72-3.97)	1.63 (0.91-2.92)	9.42E-01	8.98E-01	1.00E-00
rs648893	OPRM1	6	154,480,321	0.24	Add	0.87 (0.58-1.29)	1.67 (0.92-3.05)	1.6 (0.83-3.09)	9.16E-01	7.47E-01	1.00E-00
rs7873936	FREQ (NCS1)	9	132,032,983	0.18	Dom	1.12 (0.68-1.86)	1.8 (0.99-3.27)	1.4 (0.62-3.16)	6.22E-01	8.23E-01	1.00E-00
rs4240446	FREQ (NCS1)	9	132,018,220	0.14	Add	0.83 (0.49-1.41)	1.37 (0.78-2.42)	2.33 (0.89-6.1)	3.35E-01	5.21E-01	1.00E-00
rs2798949	HTR1B	6	78,246,853	0.34	Dom	1.16 (0.71-1.89)	1.98 (0.92-4.26)	1.5 (0.8-2.79)	5.80E-01	7.45E-01	1.00E-00
rs495491	OPRM1	6	154,424,235	0.26	Add	0.92 (0.62-1.35)	1.39 (0.75-2.56)	1.97 (1.05-3.68)	3.79E-01	6.33E-01	1.00E-00
rs10456181	HCRTR2	6	55,148,655	0.35	Dom	0.98 (0.6-1.61)	2.45 (1.14-5.27)	1.26 (0.67-2.35)	1.84E-01	3.96E-01	1.00E-00
rs10988645	FREQ (NCS1)	9	132,019,357	0.29	Dom	1.16 (0.72-1.87)	2.07 (1.02-4.2)	1.37 (0.7-2.66)	4.02E-01	6.23E-01	1.00E-00
rs129886	DBH	9	135,518,542	0.17	Dom	1.03 (0.62-1.73)	1.56 (0.86-2.82)	2.06 (0.88-4.8)	6.01E-01	8.59E-01	1.00E-00
rs1076150	DBH	9	135,488,582	0.47	Add	1.16 (0.83-1.63)	1.33 (0.59-3.03)	1.73 (1.05-2.86)	4.53E-01	4.61E-01	1.00E-00
rs917690	FREQ (NCS1)	9	131,974,002	0.11	Add	0.98 (0.56-1.73)	1.56 (0.89-2.73)	2.1 (0.76-5.83)	6.02E-01	8.67E-01	1.00E-00
rs9322447	OPRM1	6	154,466,013	0.48	Add	0.84 (0.6-1.19)	1.61 (0.73-3.55)	1.69 (1.04-2.75)	8.92E-01	6.17E-01	1.00E-00
rs3824544	FREQ (NCS1)	9	131,988,371	0.25	Dom	1.15 (0.8-1.65)	1.77 (0.94-3.35)	1.57 (0.75-3.29)	9.97E-01	7.49E-01	1.00E-00
rs7103873	BDNF	11	27,656,893	0.48	Dom	0.94 (0.55-1.61)	1.14 (0.45-2.87)	1.9 (1.08-3.35)	3.54E-01	6.50E-01	1.00E-00
rs1401635	BDNF	11	27,650,567	0.27	Dom	1.01 (0.62-1.62)	1.49 (0.77-2.87)	1.88 (0.93-3.81)	6.31E-01	8.87E-01	1.00E-00
rs1213371	HTR1B	6	78,236,764	0.43	Add	1.06 (0.75-1.5)	1.43 (0.65-3.11)	1.73 (1.06-2.82)	5.91E-01	8.12E-01	1.00E-00
rs7849345	FREQ (NCS1)	9	131,984,366	0.49	Add	1.1 (0.79-1.55)	1.31 (0.57-3.02)	1.66 (1.02-2.69)	5.02E-01	6.20E-01	1.00E-00
rs2030324	BDNF	11	27,683,491	0.46	Dom	0.88 (0.52-1.49)	1.2 (0.49-2.91)	1.89 (1.07-3.37)	3.96E-01	6.52E-01	1.00E-00
rs7934165	BDNF	11	27,688,559	0.46	Dom	0.88 (0.52-1.5)	1.2 (0.49-2.91)	1.88 (1.05-3.35)	4.05E-01	6.61E-01	1.00E-00
rs514980	OPRM1	6	154,409,860	0.22	Add	1.09 (0.73-1.65)	1.43 (0.78-2.62)	1.94 (1-3.78)	4.72E-01	6.85E-01	1.00E-00
rs10819621	FREQ (NCS1)	9	132,045,353	0.14	Dom	0.96 (0.56-1.64)	1.93 (1.1-3.39)	1.12 (0.44-2.85)	3.30E-01	6.01E-01	1.00E-00
rs1519479	BDNF	11	27,624,107	0.47	Add	1 (0.7-1.41)	1.38 (0.61-3.13)	1.67 (1.03-2.71)	5.91E-01	8.64E-01	1.00E-00
rs1557123	FREQ (NCS1)	9	132,042,979	0.08	Add	1.01 (0.55-1.85)	1.84 (1.09-3.13)	1.06 (0.35-3.21)	3.64E-01	6.42E-01	1.00E-00
rs3780711	FREQ (NCS1)	9	131,982,864	0.12	Add	1.05 (0.63-1.75)	1.44 (0.82-2.53)	2.43 (0.96-6.16)	3.25E-01	5.75E-01	1.00E-00

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs1145831	HTR1B	6	78,217,292	0.22	Add	1.15 (0.77-1.71)	1.51 (0.82-2.76)	1.85 (0.95-3.57)	6.23E-01	6.40E-01	1.00E-00
rs1323041	OPRM1	6	154,480,873	0.48	Add	0.85 (0.6-1.2)	1.58 (0.72-3.46)	1.68 (1.03-2.73)	8.57E-01	6.45E-01	1.00E-00
rs3778155	OPRM1	6	154,445,511	0.17	Dom	1.07 (0.63-1.82)	1.65 (0.88-3.08)	1.71 (0.71-4.12)	9.44E-01	9.66E-01	1.00E-00
rs947513	FREQ (NCS1)	9	132,013,809	0.45	Add	0.95 (0.68-1.33)	1.5 (0.7-3.23)	1.68 (1.03-2.73)	7.51E-01	9.21E-01	1.00E-00
rs1108580	DBH	9	135,494,935	0.45	Add	1.16 (0.82-1.65)	1.42 (0.63-3.21)	1.67 (1.01-2.78)	6.43E-01	5.88E-01	1.00E-00
rs1013402	BDNF	11	27,668,957	0.27	Add	1.11 (0.76-1.61)	1.76 (0.92-3.36)	1.57 (0.88-2.81)	7.68E-01	8.43E-01	1.00E-00
rs11030101	BDNF	11	27,637,320	0.48	Dom	0.89 (0.52-1.53)	1.21 (0.48-3.05)	1.86 (1.06-3.28)	4.34E-01	7.00E-01	1.00E-00
rs129884	DBH	9	135,514,907	0.16	Add	0.94 (0.59-1.52)	1.41 (0.8-2.5)	2.31 (1.02-5.23)	3.17E-01	5.99E-01	1.00E-00
rs1611115	DBH	9	135,490,336	0.19	Dom	0.99 (0.6-1.64)	1.38 (0.76-2.5)	2.23 (0.98-5.07)	3.53E-01	6.44E-01	1.00E-00
rs1611118	DBH	9	135,494,744	0.05	Dom	1.05 (0.47-2.32)	1.58 (0.95-2.62)	2.59 (0.56-11.95)	5.44E-01	8.06E-01	1.00E-00
rs2519155	DBH	9	135,494,419	0.38	Dom	1.04 (0.63-1.71)	2.33 (1.05-5.18)	1.34 (0.73-2.47)	2.83E-01	5.58E-01	1.00E-00
rs2007153	DBH	9	135,493,640	0.34	Add	0.84 (0.58-1.21)	1.46 (0.74-2.87)	1.76 (1.01-3.06)	6.25E-01	5.93E-01	1.00E-00
rs1541332	DBH	9	135,501,337	0.45	Dom	1.31 (0.76-2.25)	1.84 (0.73-4.68)	1.57 (0.9-2.76)	7.74E-01	5.97E-01	1.00E-00
rs1541333	DBH	9	135,501,206	0.44	Dom	1.18 (0.84-1.64)	1.43 (0.59-3.47)	1.77 (1-3.14)	6.16E-01	5.31E-01	1.00E-00
rs2797849	DBH	9	135,491,762	0.38	Dom	1.01 (0.62-1.67)	2.36 (1.06-5.25)	1.34 (0.73-2.47)	2.74E-01	5.42E-01	1.00E-00
rs4311511	HCRTR2	6	55,198,566	0.29	Add	0.8 (0.54-1.17)	1.82 (0.96-3.45)	1.59 (0.86-2.93)	7.28E-01	4.57E-01	1.00E-00
rs5320	DBH	9	135,497,294	0.07	Add	0.77 (0.35-1.69)	1.67 (0.98-2.83)	1.61 (0.36-7.25)	9.64E-01	7.73E-01	1.00E-00
rs3778151	OPRM1	6	154,435,373	0.16	Add	0.96 (0.57-1.6)	1.71 (0.97-3.03)	1.56 (0.71-3.4)	6.80E-01	8.97E-01	1.00E-00
rs3823010	OPRM1	6	154,420,845	0.16	Add	0.93 (0.58-1.49)	1.64 (0.93-2.88)	1.7 (0.76-3.8)	9.36E-01	9.53E-01	1.00E-00
rs7773995	OPRM1	6	154,424,060	0.16	Add	0.93 (0.58-1.49)	1.64 (0.93-2.88)	1.7 (0.76-3.8)	9.36E-01	9.53E-01	1.00E-00
rs129915	DBH	9	135,514,739	0.29	Dom	1.24 (0.75-2.05)	1.78 (0.84-3.77)	1.59 (0.79-3.19)	8.27E-01	7.03E-01	1.00E-00
rs2653348	HCRTR2	6	55,247,827	0.41	Dom	0.99 (0.6-1.64)	1.72 (0.75-3.94)	1.63 (0.9-2.94)	9.18E-01	9.94E-01	1.00E-00
rs129883	DBH	9	135,514,632	0.36	Dom	1.13 (0.69-1.86)	2.12 (0.95-4.73)	1.42 (0.78-2.6)	4.37E-01	6.81E-01	1.00E-00
rs2811239	HCRTR2	6	55,229,913	0.17	Add	1.27 (0.83-1.97)	1.62 (0.9-2.93)	1.78 (0.88-3.63)	8.30E-01	5.44E-01	1.00E-00
rs3134689	HCRTR2	6	55,162,711	0.20	Add	1.04 (0.69-1.55)	1.67 (0.93-3)	1.64 (0.84-3.22)	9.69E-01	9.85E-01	1.00E-00
rs9475210	HCRTR2	6	55,210,529	0.06	Dom	0.77 (0.32-1.8)	1.53 (0.92-2.54)	3.73 (0.69-20.11)	3.20E-01	5.50E-01	1.00E-00
rs2653350	HCRTR2	6	55,252,061	0.43	Dom	1.03 (0.62-1.71)	1.53 (0.66-3.57)	1.73 (0.96-3.1)	8.22E-01	9.67E-01	1.00E-00
rs9396056	HCRTR2	6	55,141,716	0.39	Dom	1.01 (0.62-1.67)	2.38 (1.07-5.3)	1.34 (0.73-2.45)	2.61E-01	5.24E-01	1.00E-00
rs3122153	HCRTR2	6	55,184,612	0.22	Dom	0.76 (0.46-1.26)	1.61 (0.89-2.92)	1.79 (0.78-4.07)	8.43E-01	5.66E-01	1.00E-00
rs2811228	HCRTR2	6	55,260,768	0.38	Add	1.09 (0.66-1.78)	1.55 (0.75-3.19)	1.68 (1.02-2.79)	7.83E-01	8.98E-01	1.00E-00
rs2653342	HCRTR2	6	55,239,096	0.15	Add	1.21 (0.76-1.91)	1.53 (0.86-2.72)	1.99 (0.91-4.31)	5.80E-01	6.06E-01	1.00E-00
rs2653349	HCRTR2	6	55,250,296	0.19	Add	1.18 (0.78-1.79)	1.49 (0.83-2.7)	1.95 (0.98-3.88)	5.31E-01	5.94E-01	1.00E-00
rs9357845	HCRTR2	6	55,142,145	0.39	Dom	0.84 (0.52-1.37)	1.52 (0.71-3.28)	1.75 (0.94-3.25)	7.81E-01	7.72E-01	1.00E-00
rs9464203	HCRTR2	6	55,145,083	0.21	Dom	1.12 (0.69-1.83)	1.63 (0.88-3.01)	1.7 (0.79-3.66)	9.33E-01	8.85E-01	1.00E-00
rs9382460	HCRTR2	6	55,145,443	0.19	Dom	1.04 (0.63-1.71)	1.9 (1.04-3.45)	1.28 (0.56-2.91)	4.49E-01	7.50E-01	1.00E-00
rs9367621	HCRTR2	6	55,148,249	0.45	Dom	1.3 (0.76-2.22)	1.76 (0.7-4.45)	1.62 (0.92-2.84)	8.79E-01	6.30E-01	1.00E-00
rs6927478	HCRTR2	6	55,152,345	0.39	Dom	1.15 (0.7-1.9)	2 (0.89-4.48)	1.5 (0.82-2.74)	5.79E-01	7.58E-01	1.00E-00
rs7775745	HCRTR2	6	55,158,466	0.45	Dom	1.19 (0.69-2.07)	1.79 (0.68-4.71)	1.62 (0.93-2.82)	8.56E-01	8.19E-01	1.00E-00
rs4712099	HCRTR2	6	55,163,157	0.17	Dom	0.96 (0.57-1.61)	1.54 (0.86-2.74)	1.89 (0.79-4.54)	6.97E-01	9.22E-01	1.00E-00

Supplemental Table 2: SNP-Specific Results for Abstinence Rates at 6-Month Follow-up

SNP	Gene	Chr	Position	MAF ^a	Genetic Model ^b	SNP Odds Ratio (95% CI)	Treatment Odds Ratio		Test of Interaction ^c	LRT ^d	
							WT (95% CI)	Variant (95% CI)		Observed P	Adjusted P
rs4236127	HCRTR2	6	55,164,136	0.18	Dom	1.01 (0.61-1.68)	1.55 (0.86-2.8)	1.87 (0.81-4.34)	7.21E-01	9.34E-01	1.00E-00
rs9475195	HCRTR2	6	55,168,977	0.39	Dom	1.09 (0.66-1.79)	1.45 (0.65-3.22)	1.79 (0.98-3.28)	6.79E-01	8.52E-01	1.00E-00
rs3134696	HCRTR2	6	55,170,060	0.20	Dom	1.01 (0.61-1.66)	1.56 (0.86-2.84)	1.85 (0.83-4.17)	7.39E-01	9.44E-01	1.00E-00
rs3122148	HCRTR2	6	55,173,948	0.20	Dom	0.98 (0.6-1.62)	1.58 (0.87-2.88)	1.82 (0.81-4.08)	7.89E-01	9.64E-01	1.00E-00
rs10498801	HCRTR2	6	55,174,923	0.18	Dom	1.02 (0.61-1.69)	1.56 (0.87-2.81)	1.87 (0.81-4.34)	7.29E-01	9.37E-01	1.00E-00
rs12111375	HCRTR2	6	55,176,953	0.48	Add	0.74 (0.4-1.38)	1.58 (0.6-4.17)	1.49 (0.89-2.49)	9.24E-01	6.39E-01	1.00E-00
rs9367622	HCRTR2	6	55,177,132	0.15	Add	1.07 (0.67-1.7)	1.57 (0.9-2.73)	1.93 (0.86-4.35)	6.63E-01	8.75E-01	1.00E-00
rs3134705	HCRTR2	6	55,182,315	0.40	Dom	0.89 (0.55-1.45)	1.63 (0.75-3.52)	1.67 (0.9-3.1)	9.55E-01	9.00E-01	1.00E-00
rs4142972	HCRTR2	6	55,184,896	0.18	Dom	0.9 (0.54-1.51)	1.55 (0.87-2.76)	1.93 (0.81-4.6)	6.81E-01	8.69E-01	1.00E-00
rs3122154	HCRTR2	6	55,186,417	0.21	Dom	1.06 (0.65-1.74)	1.78 (0.96-3.28)	1.48 (0.68-3.22)	7.14E-01	9.18E-01	1.00E-00
rs12662510	HCRTR2	6	55,187,850	0.15	Dom	0.9 (0.52-1.57)	1.55 (0.89-2.7)	2.15 (0.82-5.65)	5.66E-01	8.13E-01	1.00E-00
rs9370403	HCRTR2	6	55,189,315	0.19	Add	0.9 (0.57-1.43)	1.8 (0.98-3.3)	1.51 (0.7-3.28)	7.16E-01	8.34E-01	1.00E-00
rs9382467	HCRTR2	6	55,198,914	0.46	Dom	1 (0.59-1.69)	1.45 (0.6-3.5)	1.75 (0.98-3.11)	7.31E-01	9.41E-01	1.00E-00
rs3122169	HCRTR2	6	55,221,370	0.18	Dom	1.1 (0.71-1.69)	1.6 (0.88-2.92)	1.77 (0.78-4)	7.79E-01	8.80E-01	1.00E-00
rs2653343	HCRTR2	6	55,241,285	0.19	Add	1.17 (0.77-1.77)	1.5 (0.83-2.72)	1.92 (0.97-3.82)	5.62E-01	6.36E-01	1.00E-00
rs2134294	HCRTR2	6	55,242,206	0.44	Add	0.95 (0.68-1.33)	1.59 (0.74-3.41)	1.66 (1.02-2.7)	9.05E-01	9.47E-01	1.00E-00
rs6929837	HCRTR2	6	55,244,576	0.19	Add	1.17 (0.77-1.77)	1.5 (0.83-2.72)	1.92 (0.97-3.82)	5.62E-01	6.36E-01	1.00E-00
rs10456702	HCRTR2	6	55,261,975	0.45	Dom	1.06 (0.63-1.79)	1.2 (0.5-2.89)	1.9 (1.07-3.39)	3.91E-01	6.59E-01	1.00E-00
rs2653357	HCRTR2	6	55,264,698	0.38	Add	0.96 (0.68-1.35)	1.52 (0.75-3.11)	1.69 (1.02-2.81)	7.69E-01	9.35E-01	1.00E-00

^a The minor allele frequency was calculated using subjects in our study sample. ^b For each SNP, dominant and additive genetic models were fitted and the model yielding the lower adjusted p-value was selected. ^c The Test of Interaction is the observed p-value from a test of heterogeneity for the treatment odds ratios. ^d The Likelihood Ratio Test Observed P-value was obtained using a joint 2-df test combining the genetic marginal effect and the gene-treatment interaction effect. Adjusted P-values were estimated by accounting for the correlation between observed SNPs within respective gene regions. This adjustment was also used when selecting a genetic model. ^e After adjustment, rs2072661 and rs2072660 reached pathway level significance ($p < 0.0009$) at 6-month follow-up.

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs12608148	ADCYAP1	18	879,159	G	A	0.272	0.998	flanking 5'UTR	NA	rs11081414, rs2846578, rs2846581, rs2846583, rs2846584, rs6506614, rs8093310	T
rs4797325	ADCYAP1	18	879,905	G	A	0.404	0.978	flanking 5'UTR	NA	rs9304023	T
rs1599789	ADCYAP1	18	881,312	A	G	0.261	1.000	flanking 5'UTR	NA	rs10775442, rs10853365, rs4797328, rs4798684, rs7241142	T
rs2040176	ADCYAP1	18	882,467	T	C	0.120	1.000	flanking 5'UTR	NA	rs2846579, rs2846808	T
rs1916610	ADCYAP1	18	882,847	C	T	0.469	1.000	flanking 5'UTR	NA	rs11877293, rs2040177	T
rs11081411	ADCYAP1	18	883,205	A	G	0.164	0.986	flanking 5'UTR	NA	rs12968039	T
rs11665625	ADCYAP1	18	890,332	G	A	0.457	1.000	flanking 5'UTR	NA	rs9957039	T
rs12961210	ADCYAP1	18	890,523	T	G	0.321	0.998	flanking 5'UTR	NA	rs12967004	T
rs9635870	ADCYAP1	18	890,765	G	A	0.294	0.976	flanking 5'UTR	NA	NA	T
rs2846579	ADCYAP1	18	891,897	C	T	0.121	1.000	flanking 5'UTR	NA	rs2040176, rs2846808	T
rs2846583	ADCYAP1	18	892,965	A	T	0.281	1.000	flanking 5'UTR	NA	rs11081414, rs12608148, rs2846578, rs2846581, rs2846584, rs6506614, rs8093310	T
rs2846584	ADCYAP1	18	894,054	C	T	0.276	1.000	flanking 5'UTR	NA	rs11081414, rs12608148, rs2846578, rs2846581, rs2846583, rs6506614, rs8093310	T
rs8192595	ADCYAP1	18	897,521	A	G	0.086	1.000	intron	NA	NA	T
rs11659736	ADCYAP1	18	905,937	C	T	0.362	1.000	flanking 3'UTR	NA	NA	T
rs7228988	ADCYAP1	18	907,957	A	G	0.308	0.998	flanking 3'UTR	NA	rs11663168, rs11663363, rs17501755, rs17501915, rs17579719	T
rs11663172	ADCYAP1	18	910,173	G	A	0.392	0.998	flanking 3'UTR	NA	rs11081461, rs12373400, rs12955513, rs4638663	T
rs17501755	ADCYAP1	18	910,497	T	C	0.300	0.998	flanking 3'UTR	NA	rs11663168, rs11663363, rs17501915, rs17579719, rs7228988	T
rs12373400	ADCYAP1	18	913,096	A	G	0.377	0.998	flanking 3'UTR	NA	rs11663172, rs11081461, rs12955513, rs4638663	T
rs10853372	ADCYAP1	18	913,261	G	A	0.411	1.000	flanking 3'UTR	NA	rs4798767	T
rs16952813	ADCYAP1	18	914,630	G	A	0.077	1.000	flanking 3'UTR	NA	rs10502291, rs11660066, rs11660111, rs11664132	T
rs17501915	ADCYAP1	18	915,250	G	A	0.300	0.998	flanking 3'UTR	NA	rs11663168, rs11663363, rs17501755, rs17579719, rs7228988	T
rs4798767	ADCYAP1	18	917,475	A	T	0.415	1.000	flanking 3'UTR	NA	rs10853372	T
rs11660066	ADCYAP1	18	918,035	C	T	0.077	1.000	flanking 3'UTR	NA	rs10502291, rs11660111, rs11664132, rs16952813	T
rs11214589	ANKK1	11	112,750,258	G	A	0.464	0.945	flanking 3'UTR	NA	rs754672	T
rs4938010	ANKK1	11	112,750,776	A	G	0.150	1.000	flanking 3'UTR	NA	rs10891541, rs12224538, rs4590907, rs4938011, rs4938014	T
rs754672	ANKK1	11	112,754,346	T	C	0.494	0.998	flanking 3'UTR	NA	rs6277, rs10891544, rs10891549, rs11214589, rs11214594, rs11214596, rs12360992, rs1554929, rs17600713, rs7107223, rs877137	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs3897584	ANKK1	11	112,754,935	C	G	0.348	0.993	flanking 3'UTR	NA	rs10891546, rs17115439, rs4601821, rs4938012, rs4938013, rs4938015, rs7945132, rs877138	T
rs10891545	ANKK1	11	112,763,275	T	C	0.145	1.000	flanking 5'UTR	NA	rs10891541, rs12224538, rs4590907, rs4938014	T
rs4938012	ANKK1	11	112,764,864	G	A	0.345	0.998	intron	NA	rs10891546, rs17115439, rs3897584, rs4601821, rs4938013, rs4938015, rs7123797, rs7945132, rs877138	T
rs7123797	ANKK1	11	112,767,781	G	A	0.356	0.998	intron	NA	rs10891546, rs17115439, rs4601821, rs4938012, rs4938013, rs4938015, rs7945132	T
rs12360992	ANKK1	11	112,768,110	C	A	0.488	0.998	intron	NA	rs6277, rs10891544, rs10891549, rs11214594, rs11214596, rs1554929, rs17600713, rs7107223, rs754672, rs877137	T
rs4590907	ANKK1	11	112,768,580	T	G	0.140	1.000	intron	NA	rs10891541, rs10891545, rs12224538, rs4938010, rs4938014	T
rs17115439	ANKK1	11	112,769,482	C	T	0.349	1.000	coding	NA	rs10891546, rs3897584, rs4601821, rs4938012, rs4938013, rs4938015, rs7123797, rs7945132, rs877138	T
rs11214596	ANKK1	11	112,769,721	G	C	0.488	0.998	intron	NA	rs6277, rs10891544, rs10891549, rs11214594, rs12360992, rs1554929, rs17600713, rs7107223, rs754672, rs877137	T
rs4938015	ANKK1	11	112,769,854	C	T	0.347	0.998	intron	NA	rs10891546, rs17115439, rs3897584, rs4601821, rs4938012, rs4938013, rs7123797, rs7945132, rs877138	T
rs7118900	ANKK1	11	112,772,031	G	A	0.198	0.998	coding	A239T (NP_848605)	rs1800497	T
rs4938016	ANKK1	11	112,775,225	C	G	0.318	1.000	coding	G442R (NP_848605)	rs1003641, rs11214598, rs1124493, rs2242592, rs2587550, rs2734841, rs2734842, rs2859545, rs6275, rs6276, rs6279	T
rs2734849	ANKK1	11	112,775,370	A	G	0.486	0.995	coding	H490R (NP_848605)	rs11604671	T
rs2734848	ANKK1	11	112,775,584	T	C	0.170	0.954	coding	Y561Y (NP_848605)	rs2234689	T
rs7104979	ANKK1	11	112,775,688	C	NA	0.000	1.000	coding	P596L (NP_848605)	NA	NA
rs1800497	ANKK1	11	112,776,038	G	A	0.215	0.959	coding	E713K (NP_848605)	rs7118900	G
rs11214601	ANKK1	11	112,777,972	C	T	0.180	1.000	flanking 3'UTR	NA	rs1076560, rs1079594, rs1079595, rs1079596, rs1079597, rs1079727, rs11214599, rs11214607, rs1124491, rs1125394, rs2075654, rs2283265, rs2471851, rs2471854, rs2471857, rs2734836, rs4648319, rs7103679, rs7350522	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1003641	ANKK1	11	112,778,846	G	A	0.297	0.998	flanking 3'UTR	NA	rs11214598, rs1124493, rs2242592, rs2587550, rs2734841, rs2734842, rs2859545, rs4938016, rs6275, rs6276, rs6279	T
rs12422191	ANKK1	11	112,779,220	G	A	0.089	0.998	flanking 3'UTR	NA	NA	T
rs10891549	ANKK1	11	112,783,657	C	T	0.478	0.983	flanking 3'UTR	NA	rs6277, rs10891544, rs11214594, rs11214596, rs11604671, rs12360992, rs1554929, rs17600713, rs7107223, rs754672, rs877137	T
rs2734841	ANKK1	11	112,786,986	C	A	0.297	1.000	intron	NA	rs1003641, rs11214598, rs1124493, rs2242592, rs2587550, rs2734842, rs2859545, rs4938016, rs6275, rs6276, rs6279	T
rs1124491	ANKK1	11	112,787,300	G	A	0.180	1.000	intron	NA	rs1076560, rs1079594, rs1079595, rs1079596, rs1079597, rs1079727, rs11214599, rs11214601, rs11214607, rs1125394, rs2075654, rs2283265, rs2471851, rs2471854, rs2471857, rs2734836, rs4648319, rs7103679, rs7350522	T
rs1124492	ANKK1	11	112,787,485	C	A	0.111	0.998	intron	NA	rs17115583, rs4436578, rs4620755	T
rs6277	ANKK1	11	112,788,669	A	G	0.478	0.983	coding	P290P (NP_057658)	rs10891544, rs10891549, rs11214594, rs11214596, rs12360992, rs1554929, rs17600713, rs7107223, rs754672, rs877137	T
rs1076560	ANKK1	11	112,788,898	C	A	0.182	1.000	intron	NA	rs1079594, rs1079595, rs1079596, rs1079597, rs1079727, rs11214599, rs11214601, rs11214607, rs1124491, rs1125394, rs2075654, rs2283265, rs2471851, rs2471854, rs2471857, rs2734836, rs4648319, rs7103679, rs7350522	T
rs12419948	BDNF	11	27,623,560	T	A	0.184	0.995	flanking 3'UTR	NA	rs6265, rs10501087, rs10767664, rs11030104, rs16917237, rs2030323, rs2049045, rs6484320, rs7103411, rs925947, rs988748	T
rs1519479	BDNF	11	27,624,107	T	C	0.472	1.000	flanking 3'UTR	NA	rs10767665, rs11030101, rs2030324, rs2049046, rs2203877, rs7103873, rs7934165	T
rs11030098	BDNF	11	27,628,869	C	G	0.004	1.000	flanking 3'UTR	NA	NA	NA
rs1519480	BDNF	11	27,632,288	T	C	0.288	1.000	flanking 3'UTR	NA	rs1013402, rs10767658, rs11030108, rs11030119, rs11030121, rs1401635, rs7124442, rs7127507, rs925946, rs962369	T
rs7124442	BDNF	11	27,633,617	T	C	0.274	0.981	3'UTR	NA	rs1013402, rs10767658, rs11030108, rs11030119, rs11030121, rs1401635, rs1519480, rs7127507, rs925946, rs962369	T
rs6265	BDNF	11	27,636,492	C	T	0.181	1.000	coding	M66V (NP_733931)	rs10501087, rs11030104, rs12419948, rs16917237, rs2049045, rs925947	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs11030101	BDNF	11	27,637,320	T	A	0.482	1.000	flanking 5'UTR	NA	rs10767665, rs10835210, rs1519479, rs2030324, rs2049046, rs2203877, rs7103873, rs7931247, rs7934165	T
rs11030104	BDNF	11	27,641,093	A	G	0.193	1.000	flanking 5'UTR	NA	rs6265, rs10501087, rs10767664, rs12419948, rs16917237, rs2030323, rs2049045, rs6484320, rs7103411, rs925947, rs988748	T
rs1401635	BDNF	11	27,650,567	G	C	0.273	1.000	flanking 5'UTR	NA	rs1013402, rs10767658, rs11030108, rs11030119, rs11030121, rs1519480, rs7124442, rs7127507, rs925946, rs962369	T
rs12291063	BDNF	11	27,650,677	T	C	0.004	1.000	flanking 5'UTR	NA	NA	NA
rs2049045	BDNF	11	27,650,817	G	C	0.179	1.000	flanking 5'UTR	NA	rs6265, rs10501087, rs11030104, rs12419948, rs16917237, rs925947	T
rs11030107	BDNF	11	27,651,411	A	G	0.228	0.983	flanking 5'UTR	NA	rs10835211, rs11030102, rs17309874	T
rs10835210	BDNF	11	27,652,486	C	A	0.480	1.000	flanking 5'UTR	NA	rs11030101, rs2049046, rs2203877, rs7103873	T
rs7103873	BDNF	11	27,656,893	C	G	0.476	1.000	flanking 5'UTR	NA	rs10767665, rs10835210, rs11030101, rs1519479, rs2030324, rs2049046, rs2203877, rs7931247, rs7934165	T
rs6484320	BDNF	11	27,659,764	A	T	0.194	1.000	flanking 3'UTR	NA	rs10501087, rs10767664, rs11030104, rs12419948, rs16917237, rs2030323, rs7103411, rs925947, rs988748	T
rs1013402	BDNF	11	27,668,957	A	G	0.272	0.998	flanking 3'UTR	NA	rs10767658, rs11030108, rs11030119, rs11030121, rs1401635, rs1519480, rs7124442, rs7127507, rs925946, rs962369	T
rs988748	BDNF	11	27,681,321	G	C	0.195	1.000	flanking 5'UTR	NA	rs10501087, rs10767664, rs11030104, rs12419948, rs16917237, rs2030323, rs6484320, rs7103411, rs925947	T
rs10767664	BDNF	11	27,682,562	A	T	0.192	0.998	flanking 5'UTR	NA	rs10501087, rs11030104, rs12419948, rs16917237, rs2030323, rs6484320, rs7103411, rs925947, rs988748	T
rs2030324	BDNF	11	27,683,491	G	A	0.464	1.000	flanking 5'UTR	NA	rs10767665, rs11030101, rs1519479, rs2049046, rs2203877, rs7103873, rs7931247, rs7934165	T
rs11030119	BDNF	11	27,684,678	G	A	0.259	1.000	flanking 5'UTR	NA	rs1013402, rs10767658, rs11030108, rs11030121, rs1401635, rs1519480, rs7124442, rs7127507, rs925946, rs962369	T
rs7934165	BDNF	11	27,688,559	A	G	0.464	0.993	flanking 5'UTR	NA	rs10767665, rs11030101, rs1519479, rs2030324, rs2049046, rs2203877, rs7103873, rs7931247	T
rs11030121	BDNF	11	27,692,783	C	T	0.270	1.000	flanking 3'UTR	NA	rs1013402, rs10767658, rs11030108, rs11030119, rs1401635, rs1519480, rs7124442, rs7127507, rs925946, rs962369	T
rs12273363	BDNF	11	27,701,435	T	C	0.160	0.988	flanking 5'UTR	NA	rs12288512, rs17309930	T
rs908867	BDNF	11	27,702,340	C	T	0.097	0.998	flanking 5'UTR	NA	rs11030123	T
rs1491850	BDNF	11	27,706,301	T	C	0.365	0.998	flanking 5'UTR	NA	NA	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin (r ² > 0.80) ^e	Analysis Sample ^f
rs2049048	BDNF	11	27,707,162	G	A	0.143	1.000	flanking 5'UTR	NA	NA	T
rs12244716	CALCYON	10	134,978,372	G	C	0.138	0.998	flanking 3'UTR	NA	rs11101694, rs12250582, rs2105341	T
rs2275723	CALCYON	10	134,989,625	G	A	0.107	0.993	intron	NA	NA	T
rs2298122	CALCYON	10	134,991,562	T	G	0.194	0.945	intron	NA	rs7085530	G
rs11101694	CALCYON	10	134,996,704	T	C	0.136	0.938	intron	NA	rs12244716, rs12250582, rs2105341	G
rs10776672	CALCYON	10	135,007,945	A	G	0.109	0.998	flanking 5'UTR	NA	NA	T
rs4838721	CALCYON	10	135,010,940	T	C	0.189	1.000	intron	NA	NA	T
rs2110113	CALM1	14	89,922,506	A	G	0.116	1.000	flanking 5'UTR	NA	rs12147703, rs2110114, rs2159912, rs2300497, rs2300502, rs6575130, rs6575131, rs7144433, rs9806062	T
rs3814847	CALM1	14	89,931,789	C	G	0.369	1.000	flanking 5'UTR	NA	rs2268433	T
rs12885713	CALM1	14	89,933,110	T	C	0.459	0.995	flanking 5'UTR	NA	NA	T
rs3213718	CALM1	14	89,939,666	T	C	0.436	1.000	intron	NA	rs12891145, rs2300496, rs2300500, rs3179089	T
rs5871	CALM1	14	89,941,231	T	C	0.075	0.998	3'UTR	NA	rs17126689	T
rs3814843	CALM1	14	89,942,766	T	G	0.038	1.000	3'UTR	NA	NA	NA
rs8006462	CALM1	14	89,948,429	C	T	0.349	0.998	flanking 3'UTR	NA	NA	T
rs2896135	CALM1	14	89,950,493	A	G	0.421	1.000	flanking 3'UTR	NA	NA	T
rs876259	CALM1	14	89,952,709	T	G	0.072	1.000	flanking 3'UTR	NA	rs10129175, rs12433818, rs12895068, rs4904690	T
rs12895068	CALM1	14	89,957,031	A	T	0.073	0.998	flanking 3'UTR	NA	rs10129175, rs12433818, rs4904690, rs876259	T
rs2303928	CDK5	7	150,370,263	C	G	0.396	1.000	intron	NA	NA	T
rs2069459	CDK5	7	150,382,523	C	A	0.376	0.998	intron	NA	NA	T
rs891507	CDK5	7	150,382,999	C	T	0.155	0.993	intron	NA	rs1549759, rs2288645	G
rs2069454	CDK5	7	150,383,915	C	G	0.140	0.930	intron	NA	NA	T
rs2069443	CDK5	7	150,386,106	T	G	0.248	1.000	flanking 5'UTR	NA	rs1549760	T
rs1549760	CDK5	7	150,386,772	C	T	0.213	1.000	flanking 5'UTR	NA	rs2069443, rs2069456, rs2303929	T
rs3793336	CDK5	7	150,393,804	A	G	0.150	0.719	intron	NA	rs1549759	T
rs2303933	CDK5	7	150,397,732	G	A	0.427	1.000	intron	NA	NA	T
rs2303937	CDK5	7	150,399,719	G	A	0.446	1.000	coding	T734T (NP_003031)	NA	T
rs11765015	CDK5	7	150,401,765	G	A	0.263	1.000	intron	NA	NA	T
rs4733065	CHRNA2	8	27,363,921	G	A	0.447	0.990	intron	NA	rs1560344, rs2292974, rs2292975, rs748283, rs751019, rs752993	T
rs2278319	CHRNA2	8	27,364,878	C	T	0.240	1.000	intron	NA	rs1019832, rs2280376, rs735421, rs891394	T
rs1106359	CHRNA2	8	27,365,256	T	C	0.420	1.000	intron	NA	rs10093964, rs1057137, rs2271920, rs7007145, rs751018, rs7831523, rs7846626, rs919494	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1879184	CHRNA2	8	27,367,620	C	T	0.135	1.000	coding	T876T (NP_775268)	rs2565062, rs10100812, rs1583092, rs1864375, rs1879181, rs1879182, rs2043063, rs2099166, rs2163177, rs2251430, rs2280375, rs2292976, rs2292977, rs2322583, rs2322584, rs2472553, rs2565061, rs3735757, rs3735758, rs6981168, rs748281, rs748282, rs891393, rs891397, rs891399	T
rs10093964	CHRNA2	8	27,367,957	C	T	0.430	0.998	intron	NA	rs1057137, rs1106359, rs2271920, rs7007145, rs751018, rs7831523, rs7846626, rs919494	T
rs1879182	CHRNA2	8	27,371,793	G	A	0.135	1.000	coding	A960A (NP_775268)	rs2565062, rs10100812, rs1583092, rs1864375, rs1879181, rs1879184, rs2043063, rs2099166, rs2163177, rs2251430, rs2280375, rs2292976, rs2292977, rs2322583, rs2322584, rs2472553, rs3735757, rs3735758, rs6981168, rs748281, rs748282, rs891393, rs891397, rs891399	T
rs748283	CHRNA2	8	27,373,112	C	A	0.487	1.000	flanking 3'UTR	NA	rs1560344, rs2292974, rs2292975, rs4733065, rs751019, rs752993	T
rs1057137	CHRNA2	8	27,373,362	G	T	0.399	0.998	flanking 3'UTR	NA	rs10093964, rs1106359, rs2271920, rs7007145, rs751018, rs7831523, rs7846626, rs919494	T
rs735421	CHRNA2	8	27,375,209	A	G	0.305	0.995	intron	NA	rs1019832, rs2278319, rs2280376, rs891394	T
rs891394	CHRNA2	8	27,375,686	C	G	0.255	1.000	intron	NA	rs1019832, rs2278319, rs2280376, rs735421	T
rs3735757	CHRNA2	8	27,377,514	C	G	0.136	0.990	intron	NA	rs2565062, rs10100812, rs1583092, rs1864375, rs1879181, rs1879182, rs1879184, rs2043063, rs2099166, rs2163177, rs2251430, rs2280375, rs2292976, rs2322581, rs2322583, rs2322584, rs2472553, rs2565061, rs3735758, rs6981168, rs748281, rs748282, rs891393, rs891397, rs891399	T
rs2322581	CHRNA2	8	27,379,524	T	G	0.165	1.000	intron	NA	rs2565062, rs10100812, rs1583092, rs1864375, rs2043063, rs2099166, rs2163177, rs2251430, rs2280375, rs2322583, rs2322584, rs2472553, rs3735757, rs3735758, rs6981168, rs748282, rs891397, rs891399	T
rs891398	CHRNA2	8	27,380,739	T	C	0.483	1.000	coding	T125A (NP_000733)	rs2741343	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs891399	CHRNA2	8	27,381,340	G	A	0.131	0.998	intron	NA	rs2565062, rs10100812, rs1583092, rs1864375, rs1879181, rs1879182, rs1879184, rs2043063, rs2099166, rs2163177, rs2251430, rs2280375, rs2292976, rs2322581, rs2322583, rs2322584, rs2472553, rs2565061, rs3735757, rs3735758, rs6981168, rs748281, rs748282, rs891393, rs891397	T
rs2565062	CHRNA2	8	27,381,857	G	A	0.131	1.000	intron	NA	rs10100812, rs1583092, rs1864375, rs1879181, rs1879182, rs1879184, rs2043063, rs2099166, rs2163177, rs2251430, rs2280375, rs2292976, rs2322581, rs2322583, rs2322584, rs2472553, rs2565061, rs3735757, rs3735758, rs6981168, rs748281, rs748282, rs891393, rs891397, rs891399	T
rs2472554	CHRNA2	8	27,384,271	C	G	0.305	1.000	intron	NA	rs2565065	T
rs2472553	CHRNA2	8	27,384,428	G	A	0.131	1.000	coding	T221 (NP_000733)	rs2565062, rs10100812, rs1583092, rs1864375, rs1879181, rs1879182, rs1879184, rs2043063, rs2099166, rs2163177, rs2251430, rs2280375, rs2292976, rs2322581, rs2322583, rs2322584, rs2565061, rs3735757, rs3735758, rs6981168, rs748281, rs748282, rs891393, rs891397, rs891399	T
rs7815010	CHRNA2	8	27,386,013	C	T	0.251	1.000	intron	NA	NA	T
rs2741339	CHRNA2	8	27,390,886	A	G	0.270	1.000	intron	NA	rs2565055, rs2565056, rs2741337, rs2741338	T
rs2565059	CHRNA2	8	27,392,895	G	A	0.191	0.998	flanking 5'UTR	NA	NA	T
rs2565055	CHRNA2	8	27,393,297	G	T	0.242	1.000	flanking 5'UTR	NA	rs2565056, rs2741335, rs2741337, rs2741338, rs2741339	T
rs2741335	CHRNA2	8	27,393,708	A	C	0.269	0.998	flanking 5'UTR	NA	rs2565055, rs2565056, rs2741337, rs2741338	T
rs6558000	CHRNA2	8	27,395,271	T	C	0.068	1.000	flanking 5'UTR	NA	NA	T
rs7017417	CHRNA2	8	27,401,222	A	G	0.095	1.000	flanking 5'UTR	NA	rs7003694	T
rs9314348	CHRNA2	8	27,401,343	T	C	0.096	1.000	flanking 5'UTR	NA	NA	T
rs7003694	CHRNA2	8	27,403,111	T	C	0.085	1.000	flanking 5'UTR	NA	rs7017417	T
rs938682	CHRNA3	15	76,683,602	A	G	0.159	1.000	intron	NA	rs11637630, rs12910984, rs3743078, rs4887069, rs569207, rs578776, rs637137, rs6495308, rs6495309, rs667282, rs7177514, rs8042059, rs8042374	T
rs555018	CHRNA3; CHRNA5	15	76,666,297	A	G	0.417	1.000	intron	NA	rs11637635, rs1878399, rs2869546, rs3743077, rs481134, rs495956, rs588765, rs601079, rs621849, rs647041, rs6495306, rs6495307, rs680244, rs692780	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs647041	CHRNA3; CHRNA5	15	76,667,536	C	T	0.418	1.000	intron	NA	rs17408276, rs1878399, rs2869546, rs3743073, rs3743074, rs3743077, rs472054, rs481134, rs514743, rs555018, rs588765, rs601079, rs615470, rs621849, rs6495306, rs6495307, rs660652, rs680244	T
rs514743	CHRNA3; CHRNA5	15	76,671,282	A	T	0.374	1.000	intron	NA	rs11637635, rs17408276, rs1878399, rs2869546, rs3743073, rs3743074, rs3743075, rs3743077, rs4275821, rs472054, rs495956, rs588765, rs601079, rs615470, rs621849, rs647041, rs6495306, rs6495307, rs660652, rs680244, rs692780, rs7173512	T
rs578776	CHRNA3; CHRNA5	15	76,675,455	G	A	0.207	1.000	3'UTR	NA	rs11637630, rs12910984, rs3743078, rs518425, rs6495308, rs7177514, rs8042059, rs8042374, rs938682	T
rs6495307	CHRNA3; CHRNA5	15	76,677,376	C	T	0.423	1.000	intron	NA	rs17408276, rs1878399, rs2869546, rs3743073, rs3743074, rs3743075, rs3743077, rs472054, rs481134, rs514743, rs555018, rs588765, rs601079, rs615470, rs621849, rs647041, rs6495306, rs660652, rs680244	T
rs1051730	CHRNA3; CHRNA5	15	76,681,394	G	A	0.406	0.986	coding	Y215Y (NP_000734)	rs1317286, rs16969968, rs17486278, rs2036527, rs7180002, rs951266	T
rs3743078	CHRNA3; CHRNA5	15	76,681,814	G	C	0.169	1.000	intron	NA	rs11637630, rs12910984, rs4887069, rs569207, rs578776, rs637137, rs6495308, rs6495309, rs667282, rs7177514, rs8042059, rs8042374, rs938682	T
rs3743077	CHRNA3; CHRNA5	15	76,681,951	C	T	0.394	0.935	intron	NA	rs17408276, rs1878399, rs2869546, rs3743073, rs3743074, rs472054, rs481134, rs514743, rs555018, rs588765, rs601079, rs615470, rs621849, rs647041, rs6495306, rs6495307, rs660652, rs680244	T
rs1317286	CHRNA3; CHRNA5	15	76,683,184	A	G	0.419	0.998	intron	NA	rs1051730, rs12914385, rs16969968, rs17486278, rs17487223, rs2036527, rs7180002, rs8040868, rs951266	T
rs4887069	CHRNA3; CHRN4	15	76,696,125	A	G	0.166	0.995	intron	NA	rs11637630, rs12910984, rs3743078, rs569207, rs6495308, rs6495309, rs667282, rs7177514, rs8042059, rs8042374, rs938682	T
rs3743075	CHRNA3; CHRN4	15	76,696,507	C	T	0.374	1.000	coding	K97K (NP_000734)	rs11637635, rs17408276, rs2869546, rs3743073, rs3743074, rs472054, rs495956, rs514743, rs588765, rs615470, rs6495307, rs660652, rs692780	T
rs3743073	CHRNA3; CHRN4	15	76,696,594	T	G	0.380	1.000	intron	NA	rs11637635, rs17408276, rs2869546, rs3743074, rs3743075, rs3743077, rs4275821, rs472054, rs495956, rs514743, rs588765, rs615470, rs647041, rs6495307, rs660652, rs692780, rs7173512	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1878399	CHRNA3; CHRNB4	15	76,699,058	C	G	0.419	0.993	intron	NA	rs17408276, rs2869546, rs3743074, rs3743077, rs481134, rs514743, rs555018, rs588765, rs601079, rs615470, rs621849, rs647041, rs6495306, rs6495307, rs660652, rs680244, rs7178270	T
rs6495309	CHRNA3; CHRNB4	15	76,702,300	C	T	0.152	1.000	flanking 3'UTR	NA	rs11637630, rs12910984, rs3743078, rs4887069, rs569207, rs637137, rs6495308, rs667282, rs7177514, rs8042059, rs8042374, rs938682	T
rs1948	CHRNA3; CHRNB4	15	76,704,454	G	A	0.351	1.000	3'UTR	NA	NA	T
rs7178270	CHRNA3; CHRNB4	15	76,708,132	C	G	0.403	1.000	intron	NA	rs1878399	T
rs4603829	CHRNA4	20	61,439,336	T	C	0.356	1.000	flanking 3'UTR	NA	rs9680065	T
rs4809538	CHRNA4	20	61,440,620	G	A	0.215	1.000	flanking 3'UTR	NA	NA	T
rs4522666	CHRNA4	20	61,444,924	A	G	0.361	1.000	flanking 3'UTR	NA	NA	T
rs2236196	CHRNA4	20	61,448,000	A	G	0.275	1.000	intron	NA	NA	T
rs3787137	CHRNA4	20	61,449,544	A	G	0.406	0.981	intron	NA	NA	G
rs3787138	CHRNA4	20	61,449,668	A	G	0.128	0.928	intron	NA	rs6011776	G
rs1044396	CHRNA4	20	61,451,578	A	G	0.440	0.962	coding	S543S (NP_000735)	NA	G
rs2273504	CHRNA4	20	61,458,505	G	A	0.146	0.935	intron	NA	NA	T
rs6010918	CHRNA4	20	61,459,945	G	A	0.046	0.942	intron	NA	rs1044394	NA
rs2273505	CHRNA4	20	61,461,322	C	T	0.074	0.938	intron	NA	NA	G
rs755203	CHRNA4	20	61,464,708	A	G	0.419	0.990	flanking 5'UTR	NA	NA	G
rs4809549	CHRNA4	20	61,472,553	G	C	0.460	0.998	flanking 5'UTR	NA	NA	T
rs4275821	CHRNA5	15	76,636,596	T	C	0.373	1.000	flanking 3'UTR	NA	rs11637635, rs17408276, rs3743073, rs3743074, rs472054, rs495956, rs514743, rs615470, rs660652, rs692780, rs7173512	T
rs2036527	CHRNA5	15	76,638,670	G	A	0.416	0.998	flanking 5'UTR	NA	rs1051730, rs1317286, rs16969968, rs17486278, rs17487223, rs7180002, rs951266	T
rs684513	CHRNA5	15	76,645,455	C	G	0.141	0.998	intron	NA	rs569207, rs637137, rs667282	T
rs871058	CHRNA5	15	76,645,546	G	A	0.357	1.000	intron	NA	NA	T
rs667282	CHRNA5	15	76,650,527	T	C	0.163	1.000	intron	NA	rs11637630, rs12910984, rs3743078, rs4887069, rs569207, rs637137, rs6495308, rs6495309, rs684513, rs7177514, rs8042059, rs8042374, rs938682	T
rs601079	CHRNA5	15	76,656,634	A	T	0.423	1.000	intron	NA	rs11637635, rs17408276, rs1878399, rs2869546, rs3743074, rs3743077, rs481134, rs495956, rs514743, rs555018, rs588765, rs615470, rs621849, rs647041, rs6495306, rs6495307, rs660652, rs680244, rs692780	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs637137	CHRNA5	15	76,661,031	T	A	0.163	1.000	intron	NA	rs11637630, rs12910984, rs3743078, rs569207, rs6495308, rs6495309, rs667282, rs684513, rs7177514, rs8042059, rs8042374, rs938682	T
rs692780	CHRNA5	15	76,663,560	G	C	0.372	1.000	intron	NA	rs11637635, rs17408276, rs2869546, rs3743073, rs3743074, rs3743075, rs4275821, rs472054, rs481134, rs495956, rs514743, rs555018, rs588765, rs601079, rs615470, rs621849, rs6495306, rs660652, rs680244, rs7173512	T
rs9298628	CHRNA6	8	42,725,148	C	T	0.194	0.988	flanking 3'UTR	NA	rs10087172, rs10107450, rs10109040, rs1072003, rs2196128, rs2217732, rs2304297, rs6982753, rs7812298, rs7824155, rs7845663, rs892413, rs9298629	T
rs2304297	CHRNA6	8	42,727,356	G	C	0.226	0.998	3'UTR	NA	rs10087172, rs10107450, rs10109040, rs1072003, rs2217732, rs6982753, rs7812298, rs7824155, rs7845663, rs892413, rs9298628, rs9298629	T
rs2196128	CHRNA6	8	42,737,443	T	C	0.208	0.995	intron	NA	rs10087172, rs10109040, rs1072003, rs2217732, rs6982753, rs7812298, rs7824155, rs7845663, rs892413, rs9298628, rs9298629	T
rs16891620	CHRNA6	8	42,744,820	C	A	0.112	1.000	flanking 5'UTR	NA	rs2196129, rs4398905, rs7828365	T
rs10107450	CHRNA6	8	42,749,052	C	T	0.224	0.998	flanking 5'UTR	NA	rs10087172, rs10109040, rs1072003, rs2217732, rs2304297, rs6982753, rs7812298, rs7824155, rs7845663, rs892413, rs9298628, rs9298629	T
rs6474419	CHRNA6	8	42,754,456	A	G	0.034	1.000	flanking 5'UTR	NA	rs10109429	NA
rs7017612	CHRNA6; CHRN3	8	42,718,402	A	C	0.196	0.995	flanking 3'UTR	NA	NA	T
rs1514246	CHRNA7	15	30,106,782	C	A	0.253	0.986	flanking 5'UTR	NA	rs10851669, rs868437, rs883473, rs965435	T
rs868437	CHRNA7	15	30,111,569	T	C	0.290	0.998	intron	NA	rs10851669, rs11071503, rs1514246, rs4779563, rs4779968, rs4779971, rs8037484, rs883473, rs965435	T
rs883473	CHRNA7	15	30,112,968	G	A	0.308	0.998	intron	NA	rs10851669, rs1514246, rs868437, rs965435	T
rs4779563	CHRNA7	15	30,124,529	C	T	0.246	0.995	intron	NA	rs11071503, rs4779968, rs4779971, rs8037484, rs868437, rs965435	T
rs1913456	CHRNA7	15	30,133,241	A	T	0.196	0.998	intron	NA	rs11635941, rs11637923, rs1514252, rs1606659, rs3826029, rs885071, rs9672321	T
rs4779969	CHRNA7	15	30,136,223	C	A	0.052	1.000	intron	NA	rs11071511, rs11071512, rs11635209, rs1913459, rs2133965, rs4779970, rs6494182, rs6494185, rs8027034, rs8033518, rs8035663	T
rs8027814	CHRNA7	15	30,137,964	A	G	0.290	0.995	intron	NA	NA	T
rs2175886	CHRNA7	15	30,143,239	T	C	0.467	0.993	intron	NA	rs7179733	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs11071530	CHRNA7	15	30,147,264	G	A	0.098	1.000	intron	NA	rs11071532, rs12914788, rs12916592, rs1355920, rs1514248, rs1514250, rs1604265, rs8027035, rs982574	T
rs6494211	CHRNA7	15	30,164,880	A	T	0.343	0.998	intron	NA	NA	T
rs1514248	CHRNA7	15	30,164,975	T	C	0.134	0.866	intron	NA	rs11071530, rs11071532, rs12914788, rs12916592, rs1355920, rs1514250, rs1604265, rs8027035, rs982574	T
rs8033518	CHRNA7	15	30,168,901	G	A	0.050	1.000	intron	NA	rs11071511, rs11071512, rs11635209, rs1913459, rs2133965, rs4779969, rs4779970, rs6494182, rs6494185, rs8027034, rs8035663	T
rs2133965	CHRNA7	15	30,171,846	G	A	0.068	1.000	intron	NA	rs11071511, rs11071512, rs11635209, rs1913459, rs4779969, rs4779970, rs6494182, rs6494185, rs8027034, rs8033518, rs8035663	T
rs7175581	CHRNA7	15	30,172,759	G	A	0.430	1.000	intron	NA	NA	T
rs4779565	CHRNA7	15	30,177,362	G	T	0.417	1.000	intron	NA	rs12438848	T
rs8035668	CHRNA7	15	30,178,638	A	G	0.198	1.000	intron	NA	rs6494216, rs8030315, rs8036104, rs8037084, rs9788657, rs9788679	T
rs9788657	CHRNA7	15	30,182,318	C	A	0.198	0.998	intron	NA	rs6494216, rs8030315, rs8035668, rs8036104, rs8037084, rs9788679	T
rs6494223	CHRNA7	15	30,183,749	C	T	0.385	1.000	intron	NA	rs8028396, rs8029400	T
rs8030315	CHRNA7	15	30,184,411	C	T	0.198	0.998	intron	NA	rs6494216, rs8035668, rs8036104, rs8037084, rs9788657, rs9788679	T
rs9788679	CHRNA7	15	30,186,609	C	A	0.194	0.998	intron	NA	rs6494216, rs8030315, rs8035668, rs8036104, rs8037084, rs9788657	T
rs10438342	CHRNA7	15	30,189,338	G	A	0.385	0.998	intron	NA	rs12915695	T
rs11852956	CHRNA7	15	30,190,622	T	C	0.231	0.998	intron	NA	rs10438287, rs11858834, rs12915265, rs1500946, rs35057608	T
rs1039394	CHRNA7	15	30,195,021	C	G	0.052	0.998	intron	NA	NA	T
rs16956223	CHRNA7	15	30,198,075	G	A	0.167	1.000	intron	NA	rs12440000, rs13329159, rs13329490, rs1392808, rs2221223	T
rs1392808	CHRNA7	15	30,198,807	C	A	0.166	0.998	intron	NA	rs12440000, rs13329159, rs13329490, rs16956223, rs2221223	T
rs904952	CHRNA7	15	30,206,037	T	C	0.478	0.998	intron	NA	rs2651418, rs12904458, rs7170028, rs7175359, rs8025554, rs904951	T
rs7402321	CHRNA7	15	30,207,700	C	T	0.381	0.957	intron	NA	rs1909884	T
rs7175359	CHRNA7	15	30,212,239	C	T	0.476	1.000	intron	NA	rs2651418, rs12904458, rs7170028, rs8025554, rs904951, rs904952	T
rs2651418	CHRNA7	15	30,226,573	T	C	0.486	0.993	intron	NA	rs12904458, rs7170028, rs7175359, rs8025554, rs904951, rs904952	T
rs2611605	CHRNA7	15	30,228,925	C	T	0.198	0.995	intron	NA	NA	T
rs7178176	CHRNA7	15	30,231,105	C	T	0.245	1.000	intron	NA	rs7179008	T
rs2337980	CHRNA7	15	30,231,488	C	T	0.435	1.000	intron	NA	NA	T
rs7164518	CHRNA7	15	30,249,900	A	G	0.172	0.978	flanking 3'UTR	NA	NA	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs7539745	CHRNA2	1	152,793,038	G	C	0.142	0.998	intron	NA	rs7543174, rs7553602	T
rs7543174	CHRNA2	1	152,794,296	T	C	0.159	1.000	intron	NA	rs7539745, rs7553602	T
rs4845652	CHRNA2	1	152,804,829	C	T	0.092	1.000	flanking 5'UTR	NA	rs6660775	T
rs2072658	CHRNA2	1	152,806,849	G	A	0.019	1.000	flanking 5'UTR	NA	NA	NA
rs2072659	CHRNA2	1	152,815,145	C	G	0.097	0.954	3'UTR	NA	NA	G
rs2072660	CHRNA2	1	152,815,345	C	T	0.225	0.995	3'UTR	NA	rs2072661	T
rs2072661	CHRNA2	1	152,815,504	G	A	0.229	1.000	3'UTR	NA	rs2072660	T
rs3811450	CHRNA2	1	152,817,656	C	T	0.077	0.998	flanking 3'UTR	NA	NA	T
rs9616	CHRNA2	1	152,822,357	A	T	0.272	1.000	3'UTR	NA	NA	T
rs1127314	CHRNA2	1	152,822,890	A	G	0.299	1.000	3'UTR	NA	rs11264222, rs1127309, rs1127317, rs1127326, rs2131902, rs3766927, rs6656743	T
rs1127313	CHRNA2	1	152,823,049	G	A	0.470	1.000	3'UTR	NA	rs1127311, rs9427094	T
rs2131902	CHRNA2	1	152,826,222	T	C	0.307	1.000	intron	NA	rs11264222, rs1127309, rs1127314, rs1127317, rs1127326, rs3766927, rs6656743	T
rs3766927	CHRNA2	1	152,830,765	C	T	0.299	1.000	flanking 5'UTR	NA	rs11264222, rs1127309, rs1127314, rs1127317, rs1127326, rs2131902, rs6656743	T
rs950776	CHRNA4	15	76,713,073	T	C	0.348	1.000	intron	NA	NA	T
rs12441998	CHNA4	15	76,716,427	A	G	0.165	1.000	intron	NA	rs11072768, rs11636605, rs1316971	T
rs1316971	CHNA4	15	76,717,565	G	A	0.167	1.000	intron	NA	rs11072768, rs11636605, rs12441998, rs9920506	T
rs11633223	CHNA4	15	76,722,531	T	C	0.379	1.000	flanking 5'UTR	NA	rs11636753, rs11637890	T
rs3971872	CHNA4	15	76,729,090	C	T	0.095	1.000	flanking 5'UTR	NA	NA	T
rs7281533	CLIC6	21	34,969,460	T	C	0.205	1.000	intron	NA	rs2154443, rs2236610, rs2409531, rs2834572, rs2834573, rs2834574, rs2834575, rs2834576, rs2834577, rs2834579, rs7281040	T
rs2409531	CLIC6	21	34,975,371	A	G	0.205	1.000	intron	NA	rs2154443, rs2236610, rs2834572, rs2834573, rs2834574, rs2834575, rs2834576, rs2834577, rs2834579, rs7281040, rs7281533	T
rs7281040	CLIC6	21	34,978,271	C	T	0.204	0.998	intron	NA	rs2154443, rs2236610, rs2409531, rs2834572, rs2834573, rs2834574, rs2834575, rs2834576, rs2834577, rs2834579, rs7281533	T
rs2834578	CLIC6	21	34,981,479	C	T	0.405	1.000	intron	NA	rs2070368, rs2834599, rs3819041	T
rs2236610	CLIC6	21	34,982,538	C	G	0.163	0.964	intron	NA	rs11702251, rs2070367, rs2154443, rs2409531, rs2834572, rs2834573, rs2834574, rs2834575, rs2834576, rs2834577, rs2834579, rs2834586, rs7281040, rs7281533	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2834586	CLIC6	21	34,986,352	G	A	0.180	1.000	intron	NA	rs11702251, rs2070367, rs2236610, rs2834574	T
rs2834587	CLIC6	21	34,986,503	G	C	0.344	1.000	intron	NA	rs1557271, rs2186287, rs2834585, rs2834591, rs2834593, rs6517254, rs7275340, rs733014	T
rs2186287	CLIC6	21	34,990,935	C	A	0.338	0.986	intron	NA	rs1557271, rs2834585, rs2834587, rs2834591, rs2834593, rs6517254, rs7275340, rs733014	T
rs2834590	CLIC6	21	34,991,708	G	A	0.170	1.000	intron	NA	rs11911845, rs16992167, rs2834592, rs2834596, rs6517252	T
rs2070367	CLIC6	21	35,001,362	G	A	0.197	1.000	intron	NA	rs11702251, rs2236610, rs2834586	T
rs6517254	CLIC6	21	35,002,160	C	T	0.380	1.000	coding	F511F (NP_444507)	rs1557271, rs2186287, rs2834585, rs2834587, rs2834591, rs2834593, rs7275340, rs733014	T
rs3819041	CLIC6	21	35,003,496	C	G	0.418	1.000	intron	NA	rs2070368, rs2834578, rs2834599	T
rs2834600	CLIC6	21	35,007,972	C	T	0.145	1.000	intron	NA	rs2834605	T
rs2834603	CLIC6	21	35,014,793	A	G	0.066	1.000	flanking 3'UTR	NA	rs2834601	T
rs2834604	CLIC6	21	35,014,932	C	T	0.342	1.000	flanking 3'UTR	NA	NA	T
rs2834605	CLIC6	21	35,019,400	T	C	0.143	1.000	flanking 3'UTR	NA	rs2834600	T
rs11088294	CLIC6	21	35,020,213	G	A	0.248	0.995	flanking 3'UTR	NA	NA	T
rs1107470	CLIC6	21	35,021,758	T	A	0.208	0.998	flanking 3'UTR	NA	NA	T
rs6938321	CNR1	6	88,892,773	T	C	0.119	1.000	flanking 3'UTR	NA	NA	T
rs9353524	CNR1	6	88,894,335	C	G	0.210	0.998	flanking 3'UTR	NA	rs806368	T
rs10485171	CNR1	6	88,900,109	A	G	0.421	0.998	flanking 3'UTR	NA	NA	T
rs806365	CNR1	6	88,902,668	C	T	0.457	0.993	flanking 3'UTR	NA	NA	T
rs7766029	CNR1	6	88,904,154	C	T	0.482	1.000	flanking 3'UTR	NA	NA	T
rs806366	CNR1	6	88,904,308	C	T	0.480	0.998	flanking 3'UTR	NA	NA	T
rs806368	CNR1	6	88,906,819	T	C	0.214	0.993	3'UTR	NA	rs9353524	T
rs1049353	CNR1	6	88,910,354	C	T	0.258	0.998	coding	T392T (NP_149421)	rs4707436	T
rs806369	CNR1	6	88,912,897	C	T	0.313	1.000	flanking 5'UTR	NA	NA	T
rs806371	CNR1	6	88,913,082	T	G	0.120	1.000	flanking 5'UTR	NA	rs806370, rs806372, rs9353525	T
rs806374	CNR1	6	88,914,039	T	C	0.346	0.995	flanking 5'UTR	NA	NA	T
rs806375	CNR1	6	88,915,240	A	T	0.457	0.998	flanking 5'UTR	NA	NA	T
rs806376	CNR1	6	88,915,367	C	T	0.492	0.998	flanking 5'UTR	NA	rs806379, rs806377	T
rs806377	CNR1	6	88,915,442	C	T	0.462	0.998	flanking 5'UTR	NA	rs806379, rs806376	T
rs806378	CNR1	6	88,916,270	C	T	0.275	0.976	flanking 5'UTR	NA	rs6454673, rs6454674, rs806381	T
rs2023239	CNR1	6	88,917,201	T	C	0.185	1.000	flanking 5'UTR	NA	rs6928499, rs6928813, rs9444584, rs9450898	T
rs806379	CNR1	6	88,917,986	A	T	0.499	0.998	flanking 5'UTR	NA	rs806376, rs806377	T

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SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs6454672	CNR1	6	88,918,289	T	C	0.139	1.000	flanking 5'UTR	NA	rs10485170, rs11966501, rs6454676, rs6454677, rs7752758, rs9444586, rs9444587, rs9444588, rs9450901, rs9450902, rs9450903, rs9450905, rs9450906, rs9450907	T
rs9444584	CNR1	6	88,919,278	C	T	0.216	1.000	flanking 5'UTR	NA	rs2023239, rs6928499, rs6928813, rs9450898	T
rs806381	CNR1	6	88,922,620	A	G	0.344	0.993	flanking 5'UTR	NA	rs6454673, rs6454674, rs806378	T
rs6454673	CNR1	6	88,927,768	G	A	0.308	0.998	flanking 5'UTR	NA	rs6454674, rs806378, rs806381	T
rs4485648	COMT	22	18,299,405	T	C	0.177	1.000	intron	NA	rs11705619, rs4646310, rs6518591	T
rs8140265	COMT	22	18,301,641	G	A	0.266	0.998	flanking 5'UTR	NA	rs737865, rs2020917, rs5748484, rs737866, rs8185002, rs9605031, rs9606189	T
rs8137828	COMT	22	18,303,406	C	T	0.493	0.998	flanking 3'UTR	NA	rs5746846	T
rs2871047	COMT	22	18,306,331	G	A	0.064	0.993	flanking 5'UTR	NA	NA	T
rs6518592	COMT	22	18,307,146	C	A	0.447	1.000	flanking 5'UTR	NA	rs1544325, rs5746847, rs5748483, rs5748485, rs5993883, rs9606186	T
rs737865	COMT	22	18,310,121	A	G	0.269	1.000	intron	NA	rs2020917, rs5748484, rs737866, rs8140265, rs8185002, rs9605031, rs9606189	T
rs1544325	COMT	22	18,311,668	G	A	0.453	0.998	intron	NA	rs5746847, rs5748483, rs5748485, rs5993883, rs6518592, rs9606186	T
rs174675	COMT	22	18,314,051	C	T	0.277	1.000	intron	NA	rs174674, rs933271	T
rs5993883	COMT	22	18,317,638	T	G	0.487	1.000	intron	NA	rs1544325, rs5746847, rs5748483, rs5748485, rs6518592	T
rs5992500	COMT	22	18,321,947	C	T	0.004	1.000	intron	NA	NA	NA
rs7290221	COMT	22	18,322,680	C	G	0.476	0.998	intron	NA	NA	T
rs740603	COMT	22	18,325,177	A	G	0.486	1.000	intron	NA	NA	T
rs4646312	COMT	22	18,328,337	T	C	0.373	1.000	intron	NA	rs2239393, rs4818, rs740601	T
rs165656	COMT	22	18,328,863	C	G	0.466	0.988	intron	NA	NA	T
rs4633	COMT	22	18,330,235	T	C	0.471	1.000	coding	H12H (NP_009294)	rs4680	T
rs2239393	COMT	22	18,330,428	A	G	0.381	1.000	flanking 3'UTR	NA	rs4646312, rs4818, rs740601	T
rs4646316	COMT	22	18,332,132	C	T	0.208	0.995	intron	NA	NA	T
rs165774	COMT	22	18,332,561	G	A	0.329	0.988	intron	NA	NA	T
rs174696	COMT	22	18,333,176	T	C	0.227	0.995	intron	NA	NA	T
rs174697	COMT	22	18,333,832	G	A	0.053	0.998	intron	NA	NA	T
rs174699	COMT	22	18,334,458	T	C	0.050	1.000	intron	NA	NA	T
rs165599	COMT	22	18,336,781	A	G	0.319	1.000	flanking 3'UTR	NA	NA	T
rs165824	COMT	22	18,339,366	A	G	0.083	0.952	intron	NA	NA	T
rs165815	COMT	22	18,339,473	T	C	0.149	1.000	coding	Q906R (NP_001661)	rs887199	T
rs5993891	COMT	22	18,339,746	C	T	0.057	0.990	intron	NA	rs2239395, rs2240713	T

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SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2240713	COMT	22	18,341,101	C	T	0.054	0.993	intron	NA	rs2239394, rs2239395, rs2240714, rs5993891, rs758373	T
rs887199	COMT	22	18,341,955	G	A	0.146	1.000	intron	NA	rs1110478, rs165815, rs887200	T
rs887200	COMT	22	18,343,666	T	C	0.130	0.988	intron	NA	rs887199, rs1110478, rs758373	G
rs2709371	CREB1	2	208,092,932	A	G	0.187	1.000	flanking 5'UTR	NA	rs1045780, rs1806584, rs2464978, rs2551639, rs2551919, rs2551920, rs2551921, rs2551923, rs2551928, rs2551931, rs2709356, rs2709373, rs2709387, rs2709392, rs2709396, rs2709399, rs2709402, rs6785, rs889895	T
rs2253206	CREB1	2	208,100,223	G	A	0.480	0.995	flanking 5'UTR	NA	NA	T
rs2551640	CREB1	2	208,116,138	A	G	0.356	0.998	intron	NA	rs11904814, rs2254137, rs7369949	T
rs2551642	CREB1	2	208,121,742	C	A	0.181	1.000	intron	NA	NA	T
rs2709402	CREB1	2	208,129,222	C	A	0.180	0.998	intron	NA	rs1045780, rs1806584, rs2464978, rs2551639, rs2551919, rs2551920, rs2551921, rs2551923, rs2551928, rs2551931, rs2709356, rs2709371, rs2709373, rs2709387, rs2709392, rs2709396, rs2709399, rs2709402, rs6785, rs889895	T
rs10932201	CREB1	2	208,134,502	G	A	0.460	1.000	flanking 3'UTR	NA	rs6740584	T
rs11904814	CREB1	2	208,135,043	T	G	0.310	0.998	flanking 3'UTR	NA	rs2254137, rs2551640, rs7369949, rs7569963	T
rs16839883	CREB1	2	208,137,587	A	G	0.018	0.998	flanking 5'UTR	NA	NA	NA
rs2551921	CREB1	2	208,143,800	T	C	0.181	1.000	intron	NA	rs1045780, rs1806584, rs2464978, rs2551639, rs2551919, rs2551920, rs2551923, rs2551928, rs2551931, rs2709356, rs2709371, rs2709373, rs2709387, rs2709392, rs2709396, rs2709399, rs2709402, rs6785, rs889895	T
rs2551923	CREB1	2	208,150,021	C	T	0.180	0.995	intron	NA	rs1045780, rs1806584, rs2464978, rs2551639, rs2551919, rs2551920, rs2551921, rs2551928, rs2551931, rs2709356, rs2709371, rs2709373, rs2709387, rs2709392, rs2709396, rs2709399, rs2709402, rs6785, rs889895	T
rs7369949	CREB1	2	208,159,033	T	C	0.359	1.000	intron	NA	rs11904814, rs2254137, rs2551640	T
rs13397461	CREB1	2	208,166,082	A	NA	0.000	1.000	intron	NA	NA	NA
rs2551928	CREB1	2	208,174,023	G	A	0.187	1.000	flanking 3'UTR	NA	rs1045780, rs1806584, rs2464978, rs2551639, rs2551919, rs2551920, rs2551921, rs2551923, rs2551931, rs2709356, rs2709371, rs2709373, rs2709387, rs2709392, rs2709396, rs2709399, rs2709402, rs6785, rs889895	T

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SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1806584	CREB1	2	208,174,515	A	G	0.181	1.000	flanking 3'UTR	NA	rs1045780, rs2464978, rs2551639, rs2551919, rs2551920, rs2551921, rs2551923, rs2551928, rs2551931, rs2709356, rs2709371, rs2709373, rs2709387, rs2709392, rs2709396, rs2709399, rs2709402, rs6785, rs889895	T
rs1045780	CREB1	2	208,175,395	G	A	0.181	1.000	flanking 3'UTR	NA	rs1806584, rs2464978, rs2551639, rs2551919, rs2551920, rs2551921, rs2551923, rs2551928, rs2551931, rs2709356, rs2709371, rs2709373, rs2709387, rs2709392, rs2709396, rs2709399, rs2709402, rs6785, rs889895	T
rs2551931	CREB1	2	208,179,725	G	A	0.183	0.988	flanking 3'UTR	NA	rs1045780, rs1806584, rs2464978, rs2551639, rs2551919, rs2551920, rs2551921, rs2551923, rs2551928, rs2709356, rs2709371, rs2709373, rs2709387, rs2709392, rs2709396, rs2709399, rs2709402, rs6785, rs889895	T
rs7569963	CREB1	2	208,181,429	G	A	0.288	0.998	flanking 3'UTR	NA	rs11904814	T
rs2191416	CREBBP	16	3,710,730	G	A	0.244	0.998	flanking 5'UTR	NA	rs9392	T
rs9392	CREBBP	16	3,715,170	G	A	0.219	1.000	flanking 3'UTR	NA	rs2191416	T
rs130008	CREBBP	16	3,721,953	C	G	0.025	1.000	intron	NA	NA	NA
rs130016	CREBBP	16	3,730,308	T	C	0.499	1.000	intron	NA	NA	T
rs129968	CREBBP	16	3,731,262	G	A	0.352	0.978	intron	NA	NA	T
rs3025684	CREBBP	16	3,735,364	G	A	0.025	0.962	intron	NA	NA	NA
rs129963	CREBBP	16	3,736,148	C	T	0.436	1.000	intron	NA	NA	T
rs11864123	CREBBP	16	3,744,325	T	A	0.019	1.000	intron	NA	NA	NA
rs886528	CREBBP	16	3,751,557	A	G	0.470	0.998	intron	NA	NA	T
rs13380693	CREBBP	16	3,757,049	T	C	0.023	1.000	intron	NA	NA	NA
rs12051375	CREBBP	16	3,767,554	G	A	0.006	1.000	intron	NA	NA	NA
rs130002	CREBBP	16	3,767,932	T	C	0.006	1.000	intron	NA	NA	NA
rs8052927	CREBBP	16	3,768,586	G	T	0.020	0.998	intron	NA	NA	NA
rs130021	CREBBP	16	3,772,472	A	G	0.353	1.000	intron	NA	NA	T
rs130025	CREBBP	16	3,772,960	C	A	0.016	1.000	intron	NA	NA	NA
rs8046065	CREBBP	16	3,778,299	C	T	0.114	1.000	intron	NA	NA	T
rs3789033	CREBBP	16	3,779,536	T	C	0.236	1.000	intron	NA	rs17199030, rs2239316	T
rs8047652	CREBBP	16	3,789,559	G	T	0.023	1.000	intron	NA	NA	NA
rs13334803	CREBBP	16	3,798,348	T	A	0.017	0.995	intron	NA	NA	NA
rs130046	CREBBP	16	3,803,947	A	C	0.016	1.000	intron	NA	NA	NA
rs11644593	CREBBP	16	3,811,287	G	A	0.098	1.000	intron	NA	rs11076786, rs130005, rs130052, rs2239317, rs2239318	T
rs1296720	CREBBP	16	3,813,643	A	C	0.184	0.998	intron	NA	NA	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs4567717	CREBBP	16	3,838,834	A	C	0.013	1.000	intron	NA	NA	NA
rs2540038	CREBBP	16	3,848,845	G	A	0.012	0.998	intron	NA	NA	NA
rs2239316	CREBBP	16	3,853,996	A	G	0.267	1.000	intron	NA	rs17199030, rs3789033	T
rs7202140	CREBBP	16	3,864,655	C	G	0.022	1.000	intron	NA	NA	NA
rs2526687	CREBBP	16	3,872,726	G	A	0.012	1.000	flanking 5'UTR	NA	NA	NA
rs12953076	CRHR1	17	41,209,781	C	T	0.174	1.000	flanking 5'UTR	NA	rs4076452	T
rs4074461	CRHR1	17	41,210,922	T	G	0.458	0.993	flanking 5'UTR	NA	rs110402, rs171440, rs242924, rs7209436, rs81189	T
rs12944712	CRHR1	17	41,226,918	G	A	0.415	1.000	intron	NA	rs110402, rs171440, rs242924, rs7209436, rs81189	T
rs4792887	CRHR1	17	41,232,791	C	T	0.120	1.000	intron	NA	rs12936181, rs16940646, rs171441, rs4792886, rs4792888, rs9892359	T
rs16940646	CRHR1	17	41,235,682	A	C	0.119	0.998	intron	NA	rs242939, rs12936181, rs4792886, rs4792887, rs4792888	T
rs242924	CRHR1	17	41,241,147	G	T	0.445	1.000	intron	NA	rs110402, rs12944712, rs171440, rs4074461, rs7209436, rs81189	T
rs242942	CRHR1	17	41,247,413	C	T	0.129	1.000	intron	NA	NA	T
rs81189	CRHR1	17	41,250,579	G	C	0.481	1.000	intron	NA	rs110402, rs12944712, rs171440, rs242924, rs4074461, rs7209436	T
rs242939	CRHR1	17	41,251,360	T	C	0.086	1.000	intron	NA	rs16940646, rs171441, rs4792888	T
rs1876829	CRHR1	17	41,267,224	T	C	0.209	0.899	intron	NA	rs10445364, rs1396862, rs16940665, rs16940674, rs17689471, rs17689653, rs17689824, rs17689882, rs17689918, rs17690314, rs17690326, rs17762769, rs17762954, rs17763086, rs17763533, rs17763596, rs17763634, rs1876831, rs1912151, rs4074462, rs4277389, rs4566211, rs4640231, rs8072451, rs878886, rs878887	T
rs1876828	CRHR1	17	41,267,306	C	T	0.201	0.950	intron	NA	NA	G
rs878887	CRHR1	17	41,268,363	C	T	0.200	0.990	3'UTR	NA	rs10445364, rs1396862, rs16940665, rs16940674, rs17689471, rs17689653, rs17689824, rs17689882, rs17689918, rs17690314, rs17690326, rs17762769, rs17762954, rs17763086, rs17763533, rs17763596, rs17763634, rs1876829, rs1876831, rs1912151, rs4074462, rs4277389, rs4566211, rs4640231, rs8072451, rs878886	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs10445364	CRHR1	17	41,272,136	G	A	0.198	0.995	flanking 3'UTR	NA	rs1396862, rs16940665, rs16940674, rs17689471, rs17689653, rs17689824, rs17689882, rs17689918, rs17690314, rs17690326, rs17762769, rs17762954, rs17763086, rs17763533, rs17763596, rs17763634, rs1876829, rs1876831, rs1912151, rs4074462, rs4277389, rs4566211, rs4640231, rs8072451, rs878886, rs878887	T
rs4792825	CRHR1	17	41,275,461	A	G	0.126	1.000	flanking 5'UTR	NA	rs242936	T
rs17690326	CRHR1	17	41,276,754	T	C	0.198	0.998	flanking 5'UTR	NA	rs10445364, rs1396862, rs16940665, rs16940674, rs17689471, rs17689653, rs17689824, rs17689882, rs17689918, rs17690314, rs17762769, rs17762954, rs17763086, rs17763533, rs17763596, rs17763634, rs1876829, rs1876831, rs1912151, rs4074462, rs4277389, rs4566211, rs4640231, rs8072451, rs878886, rs878887	T
rs242944	CRHR1	17	41,278,960	A	G	0.430	1.000	coding	R303H (NP_787078)	rs173365, rs17689966	T
rs2519765	DBH	9	135,484,246	C	T	0.316	0.986	flanking 5'UTR	NA	rs2519147, rs2519149, rs2519764	T
rs2519148	DBH	9	135,484,387	G	A	0.495	0.988	flanking 5'UTR	NA	NA	T
rs2519147	DBH	9	135,485,139	A	G	0.353	0.998	flanking 5'UTR	NA	rs2519149, rs2519764, rs2519765	T
rs1076153	DBH	9	135,487,964	G	T	0.197	0.998	flanking 5'UTR	NA	NA	T
rs1076150	DBH	9	135,488,582	C	T	0.465	0.966	flanking 5'UTR	NA	NA	G
rs1611115	DBH	9	135,490,336	C	T	0.189	0.998	flanking 5'UTR	NA	NA	T
rs2797849	DBH	9	135,491,762	G	C	0.376	1.000	intron	NA	rs2519155, rs2797851, rs2797852	T
rs2519143	DBH	9	135,492,149	G	A	0.175	1.000	intron	NA	NA	T
rs3025388	DBH	9	135,493,077	A	G	0.162	0.954	intron	NA	NA	G
rs2007153	DBH	9	135,493,640	C	T	0.341	1.000	intron	NA	NA	T
rs2519155	DBH	9	135,494,419	T	C	0.375	0.998	intron	NA	rs2797849, rs2797851, rs2797852	T
rs1611118	DBH	9	135,494,744	C	T	0.052	1.000	intron	NA	rs1611119	T
rs1108580	DBH	9	135,494,935	G	A	0.445	0.945	intron	E148E (NP_000778)	rs1541333, rs1548364, rs1611122, rs1611125, rs2873804	G
rs1108581	DBH	9	135,495,062	A	G	0.183	1.000	intron	NA	NA	T
rs5320	DBH	9	135,497,294	G	A	0.067	0.916	coding	A197T (NP_000778)	NA	T
rs5324	DBH	9	135,498,479	G	A	0.001	0.998	coding	D276N (NP_000778)	NA	NA
rs3025399	DBH	9	135,498,795	A	C	0.041	1.000	intron	NA	NA	NA
rs1611123	DBH	9	135,498,904	C	T	0.498	1.000	intron	NA	rs2797855	T
rs2797855	DBH	9	135,500,715	G	C	0.434	0.998	intron	NA	rs1611123	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1541333	DBH	9	135,501,206	G	C	0.441	1.000	intron	NA	rs1108580, rs1548364, rs1611122, rs1611125, rs2873804	T
rs1541332	DBH	9	135,501,337	G	A	0.450	1.000	intron	NA	NA	T
rs2519154	DBH	9	135,502,096	T	C	0.417	0.998	intron	NA	NA	T
rs2797853	DBH	9	135,502,336	C	T	0.356	1.000	intron	NA	NA	T
rs6479643	DBH	9	135,504,489	G	C	0.378	1.000	intron	NA	NA	T
rs77905	DBH	9	135,507,918	A	G	0.476	0.995	coding	T456T (NP_000778)	NA	T
rs2097628	DBH	9	135,509,523	T	C	0.026	1.000	intron	NA	rs2097629	NA
rs2073833	DBH	9	135,510,103	G	C	0.421	0.976	intron	NA	rs732833	G
rs6271	DBH	9	135,512,095	C	T	0.077	0.990	coding	R535C (NP_000778)	NA	T
rs10993948	DBH	9	135,512,723	G	C	0.020	1.000	intron	NA	NA	NA
rs10993949	DBH	9	135,512,806	A	G	0.020	1.000	intron	NA	NA	NA
rs3025425	DBH	9	135,512,987	C	T	0.020	0.998	intron	NA	NA	NA
rs129883	DBH	9	135,514,632	C	G	0.363	1.000	flanking 3'UTR	NA	NA	T
rs129915	DBH	9	135,514,739	A	G	0.289	0.914	flanking 3'UTR	NA	rs129888, rs129928, rs1611131, rs2073835, rs2073836, rs2073837	T
rs129884	DBH	9	135,514,907	G	A	0.163	1.000	flanking 3'UTR	NA	rs129882, rs129886	T
rs129886	DBH	9	135,518,542	C	T	0.173	0.998	3'UTR	NA	rs129882, rs129884	T
rs2073835	DBH	9	135,522,004	G	A	0.303	0.976	intron	NA	rs129888, rs129915, rs129928, rs1611131, rs2073836, rs2073837	G
rs3735275	DDC	7	50,484,765	A	G	0.167	1.000	5'UTR	NA	rs2060762	T
rs4947510	DDC	7	50,492,914	G	A	0.293	1.000	flanking 3'UTR	NA	NA	T
rs4947511	DDC	7	50,493,367	G	A	0.005	1.000	flanking 3'UTR	NA	NA	NA
rs11575553	DDC	7	50,493,713	G	A	0.107	1.000	3'UTR	NA	rs2242041	T
rs4947535	DDC	7	50,499,175	A	T	0.283	1.000	intron	NA	rs11238131, rs7785224	T
rs730092	DDC	7	50,503,248	G	C	0.428	0.995	intron	NA	rs10899734, rs10899735, rs11238138, rs11575457, rs11980368, rs12718527, rs12718528, rs12718529, rs12718541, rs13311361, rs1349492, rs1451372, rs2122822, rs2329365, rs2876827, rs3887825, rs4329234, rs4433100, rs4579483, rs4580999, rs4947577, rs4948196, rs4992502, rs6592952, rs7803247	T
rs11238131	DDC	7	50,506,083	C	T	0.284	1.000	intron	NA	rs4947535, rs7785224	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs7803247	DDC	7	50,508,237	C	T	0.424	0.993	intron	NA	rs10899734, rs10899735, rs11238138, rs11575457, rs11980368, rs12718527, rs12718528, rs12718529, rs12718541, rs13311361, rs1349492, rs1451372, rs2122822, rs2329365, rs2876827, rs3887825, rs4329234, rs4433100, rs4579483, rs4580999, rs4947577, rs4948196, rs4992502, rs6592952, rs730092	T
rs11771818	DDC	7	50,509,669	G	A	0.124	1.000	intron	NA	rs10268819, rs10499696, rs11575298, rs11575342, rs1466163, rs17553791, rs17634771, rs7809234	T
rs11772714	DDC	7	50,510,337	A	G	0.196	0.998	intron	NA	rs10271341, rs10276473, rs11575320, rs11575463, rs17733244, rs2329371, rs2876829, rs3779078, rs3807555, rs3807556, rs3807558, rs745042, rs745043, rs896307, rs896309, rs9942686	T
rs11238133	DDC	7	50,510,408	C	A	0.324	0.976	intron	NA	rs11761683	T
rs732215	DDC	7	50,511,557	A	C	0.451	0.998	intron	NA	rs10899736, rs12718574, rs1451371, rs3807566, rs3823674, rs4947582	T
rs896309	DDC	7	50,512,516	G	A	0.198	1.000	intron	NA	rs10271341, rs10276473, rs11575320, rs11575463, rs11772714, rs17733244, rs2329371, rs2876829, rs3779078, rs3807555, rs3807556, rs3807558, rs745042, rs745043, rs896307, rs9942686	T
rs4579483	DDC	7	50,513,594	T	C	0.407	0.995	intron	NA	rs10899734, rs10899735, rs11238138, rs11575457, rs11980368, rs12718527, rs12718528, rs12718529, rs12718541, rs13311361, rs1349492, rs1451372, rs2122822, rs2329365, rs2876827, rs3887825, rs4329234, rs4433100, rs4580999, rs4947577, rs4948196, rs4992502, rs6592952, rs730092, rs7803247	T
rs11575453	DDC	7	50,515,359	C	T	0.084	0.998	intron	NA	rs11575383, rs11575387, rs17133853, rs2329368, rs7791875	T
rs4947577	DDC	7	50,516,103	C	G	0.410	0.998	intron	NA	rs10899734, rs10899735, rs11238138, rs11575457, rs11980368, rs12718527, rs12718528, rs12718529, rs12718541, rs13311361, rs1349492, rs1451372, rs2122822, rs2329365, rs2876827, rs3887825, rs4329234, rs4433100, rs4579483, rs4580999, rs4948196, rs4992502, rs6592952, rs730092, rs7803247	T
rs17152020	DDC	7	50,517,353	T	A	0.210	0.998	intron	NA	rs3779084, rs4490786, rs7808025, rs880028	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1451372	DDC	7	50,521,365	G	C	0.409	1.000	intron	NA	rs10899734, rs10899735, rs11238138, rs11575457, rs11980368, rs12718527, rs12718528, rs12718529, rs12718541, rs13311361, rs1349492, rs2122822, rs2329365, rs2876827, rs3887825, rs4329234, rs4433100, rs4579483, rs4580999, rs4947577, rs4948196, rs4992502, rs6592952, rs730092, rs7803247	T
rs7790758	DDC	7	50,529,038	A	G	0.198	1.000	intron	NA	NA	T
rs4602840	DDC	7	50,530,315	C	A	0.126	1.000	intron	NA	rs1107743, rs11575548, rs17634717, rs17634958, rs17635123, rs2122817, rs2329367	T
rs1037351	DDC	7	50,532,898	T	C	0.337	0.998	intron	NA	rs1817074, rs2167364, rs2198144, rs4947584, rs7809758	T
rs11575383	DDC	7	50,535,184	C	A	0.071	1.000	intron	NA	rs11575387, rs11575453, rs17133853, rs2329368, rs7791875	T
rs896307	DDC	7	50,536,554	C	T	0.198	1.000	intron	NA	rs10271341, rs10276473, rs11575320, rs11575463, rs11772714, rs17733244, rs2329371, rs2876829, rs3779078, rs3807555, rs3807556, rs3807558, rs745042, rs745043, rs896309, rs9942686	T
rs880028	DDC	7	50,537,630	A	G	0.210	0.995	intron	NA	rs17152020, rs3779084, rs4490786, rs7808025	T
rs4947584	DDC	7	50,540,203	A	T	0.351	0.998	intron	NA	rs1037351, rs1817074, rs2167364, rs2198144, rs7809758	T
rs6592961	DDC	7	50,540,384	G	A	0.216	1.000	intron	NA	rs7808025	T
rs12718574	DDC	7	50,541,342	G	C	0.435	1.000	intron	NA	rs10899736, rs1451371, rs3807566, rs3823674, rs4947582, rs732215	T
rs1817074	DDC	7	50,541,506	T	C	0.366	1.000	intron	NA	rs1037351, rs2167364, rs2198144, rs4947584, rs7809758	T
rs17635123	DDC	7	50,543,469	T	C	0.125	1.000	intron	NA	rs1107743, rs11575548, rs17634717, rs17634958, rs2329367, rs4602840	T
rs1470750	DDC	7	50,544,142	C	G	0.420	1.000	intron	NA	rs12718572, rs3807566	T
rs2100280	DDC	7	50,548,330	A	G	0.248	0.974	intron	NA	rs10244632, rs10249982, rs12535064, rs12538830, rs1982406, rs3735274, rs6592963, rs6944090, rs7777600, rs9918702	T
rs1451368	DDC	7	50,555,261	C	T	0.259	1.000	intron	NA	NA	T
rs10244632	DDC	7	50,566,197	C	T	0.274	0.942	intron	NA	rs10249982, rs12535064, rs12538830, rs1982406, rs2100280, rs6592963, rs9918702	T
rs11575321	DDC	7	50,572,601	C	G	0.101	1.000	intron	NA	rs11575286, rs11575313, rs11575322, rs11575338, rs1349491, rs2876830, rs3807553, rs7456339	T
rs11575313	DDC	7	50,573,662	T	C	0.101	1.000	intron	NA	rs11575286, rs11575321, rs11575322, rs11575338, rs1349491, rs2876830, rs3807553, rs7456339	T

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SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs10268819	DDC	7	50,577,565	C	T	0.124	0.954	intron	NA	rs10499696, rs11575298, rs11575342, rs11771818, rs1466163, rs17553791, rs17634771, rs7809234	G
rs3807552	DDC	7	50,578,236	G	A	0.190	0.902	intron	NA	rs2329371, rs3735273, rs3807558, rs6950777	T
rs3779078	DDC	7	50,578,412	C	T	0.197	1.000	intron	NA	rs10271341, rs10276473, rs11575320, rs11575463, rs11772714, rs17733244, rs2329371, rs2876829, rs3807555, rs3807556, rs3807558, rs745042, rs745043, rs896307, rs896309, rs9942686	T
rs6264	DDC	7	50,579,229	C	NA	0.000	1.000	coding	V17M (NP_000781)	NA	NA
rs2044859	DDC	7	50,580,056	A	G	0.353	1.000	intron	NA	rs3779074, rs7786398	T
rs7786398	DDC	7	50,580,400	A	G	0.453	1.000	intron	NA	rs10499694, rs11575334, rs11765748, rs2044859, rs3779074, rs4947644, rs998850	T
rs10276473	DDC	7	50,580,491	G	T	0.208	0.998	intron	NA	rs10271341, rs11575320, rs11575463, rs11772714, rs17733244, rs2329371, rs2876829, rs3779078, rs3807555, rs3807556, rs3807558, rs745042, rs745043, rs7803440, rs896307, rs896309, rs9942686	T
rs11765748	DDC	7	50,583,110	A	T	0.488	1.000	intron	NA	rs10499694, rs11575334, rs4947644, rs7786398, rs998850	T
rs7456339	DDC	7	50,583,334	A	G	0.135	1.000	intron	NA	rs11575286, rs11575313, rs11575321, rs11575322, rs11575338, rs1349491, rs2876830, rs3807553	T
rs10499695	DDC	7	50,586,098	C	T	0.487	1.000	intron	NA	rs4947644	T
rs4947644	DDC	7	50,586,370	T	C	0.500	1.000	intron	NA	rs10499694, rs10499695, rs11575334, rs11765748, rs7786398, rs7804365, rs998850	T
rs2329340	DDC	7	50,587,723	C	T	0.330	1.000	intron	NA	rs10250513, rs1451373, rs1451374, rs1451375, rs1966839, rs2329341, rs2329342, rs4452748, rs6593010, rs6949897, rs6962356, rs6969081, rs921450, rs921451	T
rs11954565	DRD1	5	174,782,513	A	G	0.364	0.995	flanking 3'UTR	NA	rs2644635	T
rs1587176	DRD1	5	174,783,796	T	G	0.161	0.990	flanking 3'UTR	NA	NA	T
rs1310277	DRD1	5	174,786,176	G	A	0.133	1.000	flanking 3'UTR	NA	rs266002	T
rs11739696	DRD1	5	174,789,227	G	A	0.386	1.000	flanking 3'UTR	NA	rs2453737, rs265967, rs6881740	T
rs2453737	DRD1	5	174,791,508	T	C	0.391	1.000	flanking 3'UTR	NA	rs11739696, rs265967, rs6881740	T
rs6881740	DRD1	5	174,791,768	C	G	0.372	0.990	flanking 3'UTR	NA	rs11739696, rs2453737, rs265967	T
rs11742274	DRD1	5	174,792,103	C	G	0.188	0.998	flanking 3'UTR	NA	rs10039221, rs10476156, rs11746172	T
rs265971	DRD1	5	174,793,017	T	C	0.276	0.998	flanking 3'UTR	NA	rs265969	T
rs265972	DRD1	5	174,793,122	A	G	0.462	0.998	flanking 3'UTR	NA	NA	T
rs265973	DRD1	5	174,793,305	C	T	0.435	1.000	flanking 3'UTR	NA	rs265968	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs265974	DRD1	5	174,793,846	A	G	0.329	0.998	flanking 3'UTR	NA	rs265975	T
rs265975	DRD1	5	174,794,801	C	T	0.325	0.995	flanking 3'UTR	NA	rs265974	T
rs265976	DRD1	5	174,795,026	G	T	0.177	0.998	flanking 3'UTR	NA	rs265977	T
rs10476156	DRD1	5	174,795,276	A	G	0.144	1.000	flanking 3'UTR	NA	rs10039221, rs11742274, rs11746172	T
rs265977	DRD1	5	174,795,863	C	T	0.165	0.995	flanking 3'UTR	NA	rs265976	T
rs863126	DRD1	5	174,795,954	A	T	0.341	1.000	flanking 3'UTR	NA	NA	T
rs835616	DRD1	5	174,796,296	G	A	0.359	0.998	flanking 3'UTR	NA	NA	T
rs835540	DRD1	5	174,796,497	T	C	0.267	0.995	flanking 3'UTR	NA	NA	T
rs4867796	DRD1	5	174,798,127	A	C	0.173	1.000	flanking 3'UTR	NA	rs11738801, rs11746641, rs11747886, rs2168631, rs4867797	T
rs11746641	DRD1	5	174,798,697	T	G	0.161	1.000	flanking 3'UTR	NA	rs11738801, rs11747886, rs11749035, rs2168631, rs4867796, rs4867797	T
rs11749676	DRD1	5	174,798,904	G	A	0.409	0.998	flanking 3'UTR	NA	rs2471005, rs265978, rs265981, rs267417, rs4532, rs686	T
rs5326	DRD1	5	174,802,802	C	T	0.127	1.000	intron	NA	rs12518222, rs28465440	T
rs265981	DRD1	5	174,803,508	G	A	0.408	0.904	5'UTR	NA	rs2471005, rs11749676, rs265978, rs267417, rs4532, rs686	T
rs2168631	DRD1	5	174,808,608	G	A	0.171	1.000	flanking 5'UTR	NA	rs11738801, rs11746641, rs11747886, rs11749035, rs4867796, rs4867797	T
rs6878159	DRD1	5	174,809,007	A	T	0.010	1.000	flanking 5'UTR	NA	rs10042051	NA
rs267417	DRD1	5	174,813,120	G	T	0.394	1.000	flanking 5'UTR	NA	rs2471005, rs11749676, rs2471020, rs265981, rs4532	T
rs2471005	DRD1	5	174,814,813	G	A	0.393	0.998	flanking 5'UTR	NA	rs11749676, rs2471020, rs265981, rs267417, rs4532, rs686	T
rs267400	DRD1	5	174,815,305	C	T	0.425	0.998	flanking 5'UTR	NA	rs267405, rs267406, rs267407, rs267409, rs267418	T
rs11749035	DRD1	5	174,815,658	C	T	0.159	1.000	flanking 5'UTR	NA	rs11738801, rs11746641, rs11747886, rs2168631, rs4867797	T
rs267405	DRD1	5	174,817,158	G	T	0.424	1.000	flanking 5'UTR	NA	rs267400, rs267406, rs267407, rs267409, rs267418	T
rs267406	DRD1	5	174,817,347	G	T	0.424	1.000	flanking 5'UTR	NA	rs267400, rs267405, rs267407, rs267409, rs267418	T
rs10042051	DRD1	5	174,819,467	A	G	0.012	1.000	flanking 5'UTR	NA	rs6878159	NA
rs2440390	DRD2	11	112,792,088	C	T	0.135	1.000	intron	NA	rs12574471	T
rs1079727	DRD2	11	112,794,392	T	C	0.180	1.000	intron	NA	rs1076560, rs1079594, rs1079595, rs1079596, rs1079597, rs11214599, rs11214601, rs11214607, rs1124491, rs1125394, rs2075654, rs2283265, rs2471851, rs2471854, rs2471857, rs2734836, rs4648319, rs7103679, rs7350522	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2734833	DRD2	11	112,798,130	A	G	0.419	0.978	intron	NA	rs1076563, rs1107162, rs1116313, rs12363125, rs12364051, rs12800853, rs2587548, rs2734831, rs2734837, rs2734838, rs2734839, rs4587762, rs4938017, rs7122246, rs7131440	T
rs1076562	DRD2	11	112,801,218	G	A	0.245	1.000	intron	NA	rs2002453, rs2005313, rs2245805, rs4586205, rs4648318	T
rs2471851	DRD2	11	112,806,279	A	C	0.180	1.000	intron	NA	rs1076560, rs1079594, rs1079595, rs1079596, rs1079597, rs1079727, rs11214599, rs11214601, rs11214607, rs1124491, rs1125394, rs2075654, rs2283265, rs2471854, rs2471857, rs2734836, rs4648319, rs7103679, rs7350522	T
rs7122246	DRD2	11	112,809,667	A	G	0.424	0.998	intron	NA	rs1076563, rs1107162, rs1116313, rs12363125, rs12364051, rs12800853, rs2587548, rs2734831, rs2734833, rs2734837, rs2734838, rs2734839, rs4587762, rs4938017, rs7131440	T
rs4436578	DRD2	11	112,811,975	T	C	0.120	1.000	intron	NA	rs1124492, rs17115583, rs4620755	T
rs4587762	DRD2	11	112,812,103	A	G	0.428	1.000	intron	NA	rs1076563, rs1107162, rs1116313, rs12363125, rs12364051, rs12800853, rs2587548, rs2734831, rs2734833, rs2734837, rs2734838, rs2734839, rs4938017, rs7122246, rs7131440	T
rs4586205	DRD2	11	112,812,339	T	G	0.251	1.000	intron	NA	rs1076562, rs2002453, rs2005313, rs2245805, rs4648318	T
rs4620755	DRD2	11	112,814,829	G	A	0.113	0.998	intron	NA	rs1124492, rs17115583, rs4436578	T
rs7125415	DRD2	11	112,815,891	C	T	0.090	1.000	intron	NA	rs17115583	T
rs4936270	DRD2	11	112,823,618	C	T	0.102	0.998	intron	NA	rs11214613, rs4245148, rs4460839, rs4581480, rs4936274	T
rs4274224	DRD2	11	112,824,662	A	G	0.450	0.998	intron	NA	rs4245146, rs4245147, rs4936271	T
rs4245148	DRD2	11	112,825,629	C	T	0.105	0.998	intron	NA	rs11214613, rs4460839, rs4581480, rs4936270, rs4936274	T
rs4460839	DRD2	11	112,827,006	T	C	0.094	0.998	intron	NA	rs11214613, rs4245148, rs4581480, rs4936270, rs4936274	T
rs7122454	DRD2	11	112,832,678	G	C	0.145	1.000	intron	NA	rs10891551, rs11214611, rs4350392, rs4648317, rs4938019	T
rs7131056	DRD2	11	112,834,984	C	A	0.446	1.000	intron	NA	NA	T
rs11214611	DRD2	11	112,835,429	A	G	0.146	1.000	intron	NA	rs10891551, rs4648317, rs7122454	T
rs10891552	DRD2	11	112,838,881	A	T	0.034	1.000	intron	NA	NA	NA
rs4630328	DRD2	11	112,839,419	G	A	0.347	0.998	intron	NA	rs17601612, rs6589377	T
rs11214613	DRD2	11	112,840,469	G	A	0.086	1.000	intron	NA	rs4245148, rs4460839, rs4581480, rs4936270, rs4936274	T
rs4938019	DRD2	11	112,846,601	T	C	0.148	0.998	intron	NA	rs10891551, rs4350392, rs4648317, rs7122454	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1799978	DRD2	11	112,851,561	T	C	0.059	1.000	flanking 5'UTR	NA	NA	T
rs10891556	DRD2	11	112,857,971	G	T	0.171	0.983	flanking 5'UTR	NA	NA	T
rs6589377	DRD2	11	112,860,946	A	G	0.349	1.000	flanking 5'UTR	NA	rs17601612, rs4630328	T
rs10934253	DRD3	3	115,320,474	A	T	0.031	1.000	flanking 3'UTR	NA	NA	NA
rs1385884	DRD3	3	115,324,315	T	A	0.431	0.998	flanking 3'UTR	NA	rs1486012, rs2087017, rs3732790, rs3773679, rs963468	T
rs2087017	DRD3	3	115,324,703	A	G	0.433	1.000	flanking 3'UTR	NA	rs1385884, rs1486012, rs3732790, rs3773679, rs963468	T
rs2399496	DRD3	3	115,328,703	A	T	0.481	1.000	flanking 3'UTR	NA	rs9817063	T
rs2134655	DRD3	3	115,340,891	C	T	0.266	1.000	flanking 3'UTR	NA	NA	T
rs963468	DRD3	3	115,345,577	G	A	0.387	1.000	flanking 3'UTR	NA	rs1385884, rs1486012, rs2087017, rs3732790, rs3773679	T
rs324035	DRD3	3	115,351,544	C	A	0.211	1.000	intron	NA	rs167771	T
rs3773679	DRD3	3	115,352,025	C	T	0.387	1.000	intron	NA	rs1385884, rs1486012, rs2087017, rs3732790, rs963468	T
rs3773678	DRD3	3	115,352,768	G	A	0.153	1.000	intron	NA	rs324036, rs9880168	T
rs2630349	DRD3	3	115,356,062	G	A	0.068	1.000	intron	NA	rs2630350, rs2630351, rs324032	T
rs2630350	DRD3	3	115,357,686	C	T	0.068	1.000	intron	NA	rs2630349, rs2630351, rs324032	T
rs167771	DRD3	3	115,358,965	A	G	0.193	1.000	intron	NA	rs324035	T
rs324032	DRD3	3	115,360,518	A	G	0.068	1.000	intron	NA	rs2630349, rs2630350, rs2630351	T
rs167770	DRD3	3	115,362,252	A	G	0.284	0.993	intron	NA	rs11721264, rs226082, rs324022, rs324029, rs324030, rs7625282	T
rs7625282	DRD3	3	115,364,217	A	G	0.254	1.000	intron	NA	rs11721264, rs167770, rs226082, rs324022, rs324029, rs324030	T
rs324029	DRD3	3	115,364,313	G	A	0.285	1.000	intron	NA	rs11721264, rs167770, rs226082, rs324022, rs324030, rs7625282	T
rs7633291	DRD3	3	115,369,758	T	G	0.196	0.995	intron	NA	rs10934256, rs1587756, rs1587757, rs1800828	T
rs324022	DRD3	3	115,369,988	G	A	0.287	1.000	intron	NA	rs11721264, rs167770, rs226082, rs324029, rs324030, rs7625282	T
rs1486009	DRD3	3	115,371,222	A	G	0.059	1.000	intron	NA	rs1486008, rs1486011, rs16822416	T
rs6280	DRD3	3	115,373,505	T	C	0.343	0.988	coding	S9G (NP_387509)	rs12639080, rs324026, rs7629232, rs7638876, rs7638961	T
rs324026	DRD3	3	115,373,732	T	C	0.339	0.998	flanking 5'UTR	NA	rs11721264, rs12639080, rs6280, rs7629232, rs7638876, rs7638961	T
rs7638876	DRD3	3	115,376,990	T	C	0.347	0.998	flanking 3'UTR	NA	rs11721264, rs12639080, rs324026, rs6280, rs7629232, rs7638961	T
rs9825563	DRD3	3	115,382,910	A	G	0.310	0.995	flanking 5'UTR	NA	rs1800828	T
rs12639080	DRD3	3	115,386,481	G	A	0.343	0.998	flanking 5'UTR	NA	rs324026, rs6280, rs7629232, rs7638876, rs7638961	T
rs7932167	DRD4	11	610,599	T	G	0.212	0.998	intron	NA	NA	T
rs12280580	DRD4	11	616,220	C	G	0.267	1.000	flanking 3'UTR	NA	NA	T
rs4987059	DRD4	11	626,433	G	A	0.050	1.000	flanking 5'UTR	NA	NA	T

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rs936461	DRD4	11	626,496	G	A	0.355	0.940	flanking 5'UTR	NA	NA	T
rs1800443	DRD4	11	629,830	T	NA	0.000	0.998	coding	V194G (NP_000788)	NA	NA
rs11246226	DRD4	11	631,191	A	C	0.484	0.914	flanking 3'UTR	NA	rs4331145, rs936465	G
rs936465	DRD4	11	633,568	C	G	0.449	0.911	flanking 3'UTR	NA	rs11246226, rs4331145	T
rs10902188	DRD4	11	644,043	G	A	0.089	1.000	coding	NA	NA	T
rs6598007	DRD4	11	646,523	C	T	0.065	1.000	intron	NA	NA	T
rs4963126	DRD4	11	646,845	G	A	0.482	1.000	intron	NA	NA	T
rs11603404	DRD4	11	646,940	G	A	0.150	1.000	intron	NA	NA	T
rs7655090	DRD5	4	9,374,973	A	G	0.321	1.000	flanking 5'UTR	NA	rs2867383, rs10001006, rs10003216, rs10033951, rs11731100, rs13106539, rs1519097, rs2280207	T
rs10939514	DRD5	4	9,382,294	T	C	0.048	1.000	flanking 5'UTR	NA	rs10939504, rs10939507, rs1533615, rs1850739, rs1850744, rs2280208, rs938556	NA
rs10939515	DRD5	4	9,382,394	G	A	0.175	1.000	flanking 5'UTR	NA	NA	T
rs10033951	DRD5	4	9,388,678	C	T	0.313	0.983	flanking 5'UTR	NA	rs2867383, rs10001006, rs10003216, rs11731100, rs13106539, rs1519097, rs2280207, rs7655090	T
rs2867383	DRD5	4	9,397,033	G	A	0.323	1.000	flanking 3'UTR	NA	rs10001006, rs10003216, rs10033951, rs11731100, rs13106539, rs1519097, rs2280207, rs7655090	T
rs1850744	DRD5	4	9,399,810	C	T	0.046	0.981	flanking 3'UTR	NA	rs10939504, rs10939507, rs10939514, rs1533615, rs1850739, rs2280208, rs938556	NA
rs13106539	DRD5	4	9,406,801	T	C	0.374	1.000	flanking 3'UTR	NA	rs2867383, rs10001006, rs10003216, rs10033951, rs11731100, rs2280206, rs2280207, rs7655090, rs7685396	T
rs1519097	DRD5	4	9,411,951	A	G	0.324	0.993	flanking 3'UTR	NA	rs2867383, rs10033951, rs7655090	T
rs157198	EPB41	1	29,076,494	T	C	0.082	0.998	flanking 5'UTR	NA	NA	T
rs157220	EPB41	1	29,083,883	G	A	0.377	0.993	flanking 5'UTR	NA	rs10915207, rs126013, rs126014	T
rs126014	EPB41	1	29,092,765	A	G	0.383	0.976	flanking 3'UTR	NA	rs10915207, rs126013, rs157220	T
rs150093	EPB41	1	29,101,418	T	C	0.134	1.000	flanking 3'UTR	NA	NA	T
rs10915208	EPB41	1	29,102,916	T	C	0.113	1.000	flanking 3'UTR	NA	rs12038347, rs12045054, rs12045750, rs12047323	T
rs203298	EPB41	1	29,105,251	C	G	0.087	0.998	flanking 3'UTR	NA	rs10158728, rs10915212, rs10915220, rs10915223, rs1175044, rs12065644, rs12065679, rs12070045, rs12072697, rs12075737, rs12081600, rs12085162, rs149933, rs157197, rs157231, rs157232, rs157233, rs1613500, rs16837813, rs1767803, rs203279, rs203283, rs203285, rs203292, rs203299, rs2452767, rs4128350, rs460745, rs551807, rs558956, rs570187, rs575675, rs578800, rs6686152, rs7513398, rs957634	T

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SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs203277	EPB41	1	29,107,918	A	T	0.289	1.000	flanking 3'UTR	NA	rs1185779, rs12723108, rs150085, rs150087, rs150088, rs204060, rs2762682, rs2788889, rs2930836, rs2930838, rs2930842, rs2985325, rs2985334, rs2985340, rs2993712, rs2993715, rs3102739	T
rs157194	EPB41	1	29,108,306	A	G	0.120	1.000	flanking 3'UTR	NA	rs11581096, rs150083, rs157196, rs157213, rs2249138, rs2254241, rs2486198, rs2503015, rs2788890, rs2985329, rs2985330, rs2993713, rs4360499, rs4654381, rs6686151, rs9426306	T
rs203278	EPB41	1	29,114,784	T	C	0.356	1.000	flanking 3'UTR	NA	NA	T
rs157208	EPB41	1	29,117,993	T	C	0.237	0.990	flanking 3'UTR	NA	rs1038493, rs157206, rs204057	T
rs150085	EPB41	1	29,120,374	A	C	0.289	1.000	flanking 3'UTR	NA	rs1185779, rs12723108, rs150087, rs150088, rs203277, rs204060, rs2762682, rs2788889, rs2930836, rs2930838, rs2930842, rs2985325, rs2985334, rs2985340, rs2993712, rs2993715, rs3102739	T
rs157213	EPB41	1	29,126,858	C	G	0.119	0.995	flanking 3'UTR	NA	rs11581096, rs150083, rs157194, rs157196, rs2249138, rs2254241, rs2486198, rs2503015, rs2788890, rs2985329, rs2985330, rs2993713, rs4360499, rs4654381, rs6686151, rs9426306	T
rs150089	EPB41	1	29,131,901	T	C	0.324	1.000	flanking 3'UTR	NA	rs204058, rs204059, rs2762681, rs2930843, rs2985322, rs2985327, rs4578183, rs4654383, rs6656832	T
rs12038347	EPB41	1	29,141,303	A	G	0.098	1.000	flanking 5'UTR	NA	rs10915208, rs12045054, rs12045750, rs12047323, rs16837840, rs957633	T
rs204057	EPB41	1	29,144,644	C	A	0.236	0.995	flanking 5'UTR	NA	rs1038493, rs157206, rs157208	T
rs204060	EPB41	1	29,152,213	T	C	0.277	1.000	flanking 5'UTR	NA	rs1185779, rs12723108, rs150085, rs150087, rs150088, rs203277, rs2762682, rs2788889, rs2930836, rs2930838, rs2930842, rs2985325, rs2985334, rs2985340, rs2993712, rs2993715, rs3102739	T
rs2985319	EPB41	1	29,162,203	G	A	0.011	1.000	flanking 5'UTR	NA	NA	NA
rs2985322	EPB41	1	29,169,054	T	C	0.323	1.000	flanking 5'UTR	NA	rs150089, rs204058, rs204059, rs2762681, rs2930843, rs2985327, rs4578183, rs4654383, rs6656832	T
rs2985344	EPB41	1	29,176,902	G	A	0.289	1.000	flanking 5'UTR	NA	NA	T
rs2762682	EPB41	1	29,182,405	C	T	0.289	1.000	flanking 5'UTR	NA	rs1185779, rs12723108, rs150085, rs150087, rs150088, rs203277, rs204060, rs2788889, rs2930836, rs2930838, rs2930842, rs2985325, rs2985334, rs2985340, rs2993712, rs2993715, rs3102739	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs12021667	EPB41	1	29,183,661	T	C	0.387	1.000	flanking 5'UTR	NA	rs10429865, rs12021646, rs12039988, rs4654328, rs6702335	T
rs2762686	EPB41	1	29,188,832	G	C	0.119	0.998	intron	NA	NA	T
rs2985329	EPB41	1	29,206,549	G	C	0.132	0.998	intron	NA	rs2452788, rs12072831, rs150083, rs157194, rs157196, rs157213, rs2249138, rs2254241, rs2486198, rs2503015, rs2788890, rs2985330, rs2985332, rs2985335, rs2993713, rs3003631, rs4360499, rs6686151, rs9426306	T
rs16837840	EPB41	1	29,207,867	A	C	0.098	1.000	intron	NA	rs12038347, rs12045750, rs957633	T
rs2985331	EPB41	1	29,207,950	T	C	0.154	0.998	intron	NA	rs12122962, rs12125204	T
rs12072697	EPB41	1	29,209,878	G	A	0.088	0.995	intron	NA	rs10158728, rs10915212, rs10915220, rs10915223, rs1175044, rs12065644, rs12065679, rs12070045, rs12075737, rs12081600, rs12085162, rs149933, rs157197, rs157231, rs157232, rs157233, rs1613500, rs16837813, rs1767803, rs203279, rs203283, rs203285, rs203292, rs203298, rs203299, rs2452767, rs4128350, rs460745, rs551807, rs558956, rs570187, rs575675, rs575710, rs578800, rs6686152, rs7513398, rs957634	T
rs2985332	EPB41	1	29,211,686	A	G	0.151	0.998	intron	NA	rs2452788, rs12072831, rs2249138, rs2254241, rs2503015, rs2788890, rs2985329, rs2985330, rs2985335, rs2993713, rs3003631, rs9426306	T
rs2985335	EPB41	1	29,218,234	G	A	0.133	1.000	intron	NA	rs2452788, rs12072831, rs2249138, rs2254241, rs2503015, rs2788890, rs2985329, rs2985330, rs2985332, rs2993713, rs3003631, rs9426306	T
rs11807517	EPB41	1	29,223,797	A	NA	0.000	1.000	intron	NA	NA	NA
rs10915216	EPB41	1	29,229,250	T	A	0.488	0.995	intron	NA	rs12045777, rs4654390	T
rs2486200	EPB41	1	29,236,572	T	C	0.234	0.998	intron	NA	rs12070152, rs2153165, rs2788888, rs2985337, rs2985338, rs3003627, rs3003628, rs502393, rs550712, rs6703599, rs7544914	T
rs12027267	EPB41	1	29,251,462	C	A	0.389	0.998	intron	NA	NA	T
rs2788888	EPB41	1	29,252,579	G	A	0.234	1.000	flanking 3'UTR	NA	rs12070152, rs2153165, rs2486200, rs2985337, rs2985338, rs3003627, rs3003628, rs502393, rs550712, rs6703599, rs7544914	T
rs2153165	EPB41	1	29,258,073	G	C	0.234	1.000	flanking 3'UTR	NA	rs12070152, rs2486200, rs2788888, rs2985337, rs2985338, rs3003627, rs3003628, rs502393, rs550712, rs6703599, rs7544914	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs9426306	EPB41	1	29,261,001	C	T	0.132	0.998	intron	NA	rs2452788, rs12072831, rs150083, rs157194, rs157196, rs157213, rs2249138, rs2254241, rs2486198, rs2503015, rs2788890, rs2985329, rs2985330, rs2985332, rs2985335, rs2993713, rs3003631, rs4360499, rs6686151	T
rs12072831	EPB41	1	29,265,747	G	A	0.146	1.000	intron	NA	rs2452788, rs2249138, rs2254241, rs2503015, rs2788890, rs2985329, rs2985330, rs2985332, rs2985335, rs2993713, rs3003631, rs9426306	T
rs12130351	EPB41	1	29,269,534	C	T	0.070	0.998	intron	NA	NA	T
rs6702335	EPB41	1	29,283,837	A	G	0.385	1.000	intron	NA	rs10429865, rs12021646, rs12021667, rs12039988, rs4654328	T
rs2254241	EPB41	1	29,290,620	G	A	0.130	0.998	intron	NA	rs2452788, rs12072831, rs150083, rs157194, rs157196, rs157213, rs2249138, rs2486198, rs2503015, rs2788890, rs2985329, rs2985330, rs2985332, rs2985335, rs2993713, rs3003631, rs4360499, rs6686151, rs9426306	T
rs12039988	EPB41	1	29,298,420	G	A	0.388	1.000	flanking 3'UTR	NA	rs10429865, rs12021646, rs12021667, rs4654328, rs6702335	T
rs4654390	EPB41	1	29,311,603	T	A	0.486	1.000	intron	NA	rs10915216, rs12045777	T
rs575710	EPB41	1	29,319,242	A	G	0.089	1.000	3'UTR	NA	rs10158728, rs10915212, rs10915220, rs10915223, rs1175044, rs12065644, rs12065679, rs12070045, rs12072697, rs12075737, rs12081600, rs12085162, rs149933, rs157197, rs157231, rs157232, rs157233, rs1613500, rs16837813, rs1767803, rs203279, rs203283, rs203285, rs203292, rs203299, rs2452767, rs4128350, rs460745, rs551807, rs558956, rs570187, rs575675, rs578800, rs6686152, rs7513398, rs957634	T
rs2452788	EPB41	1	29,319,398	G	A	0.149	0.954	3'UTR	NA	rs12072831, rs2249138, rs2254241, rs2503015, rs2788890, rs2985329, rs2985330, rs2985332, rs2985335, rs2993713, rs3003631, rs9426306	G
rs484000	EPB41	1	29,324,724	G	A	0.072	0.902	flanking 5'UTR	NA	NA	T
rs6142508	EPB41L1	20	34,160,719	A	G	0.174	1.000	flanking 5'UTR	NA	rs2746103, rs11700298, rs2069229, rs2425191, rs2590949, rs2590991, rs2746086, rs2746097, rs2746100, rs2746102, rs2746105, rs2752898, rs2859715, rs3813918, rs3850528, rs6060845, rs6141601, rs6142512, rs873925	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2746103	EPB41L1	20	34,167,348	T	G	0.225	0.995	flanking 3'UTR	NA	rs11700298, rs2069229, rs2425191, rs2590949, rs2590991, rs2746086, rs2746097, rs2746100, rs2746102, rs2746105, rs2752898, rs2859715, rs3813918, rs3850528, rs6060845, rs6141601, rs6142508, rs6142512, rs761312, rs873925, rs964786	T
rs6141600	EPB41L1	20	34,175,724	T	C	0.280	0.981	flanking 3'UTR	NA	NA	T
rs6121156	EPB41L1	20	34,176,747	A	G	0.001	1.000	flanking 3'UTR	NA	NA	NA
rs6142512	EPB41L1	20	34,178,851	A	G	0.174	1.000	flanking 3'UTR	NA	rs2746103, rs11700298, rs2069229, rs2425191, rs2590949, rs2590991, rs2746086, rs2746097, rs2746100, rs2746102, rs2746105, rs2752898, rs2859715, rs3813918, rs3850528, rs6060845, rs6141601, rs6142508, rs873925	T
rs1474976	EPB41L1	20	34,195,786	A	C	0.109	1.000	flanking 5'UTR	NA	NA	T
rs6121163	EPB41L1	20	34,200,451	T	G	0.047	1.000	flanking 5'UTR	NA	rs6058429	NA
rs7266316	EPB41L1	20	34,203,883	C	NA	0.000	1.000	flanking 5'UTR	NA	NA	NA
rs6060831	EPB41L1	20	34,209,464	T	NA	0.000	0.998	intron	NA	NA	NA
rs6058429	EPB41L1	20	34,219,275	A	G	0.049	1.000	intron	NA	rs6121163	NA
rs6060845	EPB41L1	20	34,233,225	A	G	0.248	0.998	intron	NA	rs2746103, rs1046383, rs11700298, rs11700361, rs2069229, rs2425191, rs2590949, rs2590991, rs2746086, rs2746097, rs2746100, rs2746102, rs2746105, rs2752898, rs2859715, rs3813918, rs3850528, rs6058435, rs6121179, rs6141601, rs6142508, rs6142512, rs709050, rs873925	T
rs2247688	EPB41L1	20	34,238,965	A	G	0.251	1.000	intron	NA	rs1046383, rs11700361, rs6058435, rs6121179, rs709050	T
rs6121179	EPB41L1	20	34,256,911	A	G	0.187	0.993	intron	NA	rs1046383, rs11700298, rs11700361, rs2247688, rs2425191, rs2746086, rs3813918, rs6058435, rs6060845, rs709050	T
rs6119707	EPB41L1	20	34,267,901	A	NA	0.000	0.995	flanking 3'UTR	NA	NA	NA
rs11700361	EPB41L1	20	34,285,729	C	T	0.171	0.998	flanking 3'UTR	NA	rs1046383, rs11700298, rs2247688, rs2425191, rs2746086, rs3813918, rs6058435, rs6060845, rs6121179, rs709050	T
rs709050	EPB41L1	20	34,292,023	G	A	0.198	0.998	intron	NA	rs1046383, rs11700298, rs11700361, rs2247688, rs2425191, rs2590949, rs2746097, rs2752898, rs3813918, rs6058435, rs6060845, rs6121179	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1413753	EPB41L2	6	131,192,197	C	T	0.321	0.998	flanking 3'UTR	NA	rs1571911, rs2039830, rs2183969, rs2839942, rs4075265, rs4895898, rs6569709, rs6907284, rs6938309, rs6938735, rs7738572, rs7741462, rs7748468, rs7754351, rs7768048, rs9285468, rs9375777, rs9388867, rs998228	T
rs2281487	EPB41L2	6	131,192,810	T	C	0.396	1.000	flanking 3'UTR	NA	rs1413755, rs2183967, rs3777434, rs3777435, rs3777436, rs4897468, rs4897473, rs6569707, rs6918160, rs6938552, rs7760965, rs7775013, rs9388861, rs9388863, rs9402292, rs942	T
rs1413755	EPB41L2	6	131,195,892	C	T	0.368	0.998	flanking 3'UTR	NA	rs17770255, rs2183967, rs2281487, rs3777434, rs3777435, rs3777436, rs4895908, rs4897468, rs4897473, rs6569707, rs6569708, rs6918160, rs6919007, rs6931804, rs6938552, rs7760965, rs7775013, rs872576, rs9385564, rs9388861, rs9388863, rs942	T
rs6938735	EPB41L2	6	131,196,596	T	C	0.307	1.000	flanking 3'UTR	NA	rs1006655, rs1334689, rs1413753, rs1571911, rs1999474, rs2039509, rs2039830, rs2183969, rs2184408, rs2839942, rs4075265, rs4895898, rs4897475, rs6536, rs6569709, rs6907284, rs6933789, rs6938309, rs761835, rs7738572, rs7741462, rs7748468, rs7754351, rs7761655, rs7766505, rs7768048, rs9285468, rs9375777, rs9375786, rs9388867, rs9388870, rs9388871, rs9402304, rs9402305, rs955191, rs998228	T
rs2236081	EPB41L2	6	131,196,716	T	C	0.283	1.000	flanking 3'UTR	NA	rs12202038, rs1413754, rs2236075, rs2281490, rs867707	T
rs6975	EPB41L2	6	131,197,795	G	T	0.258	1.000	flanking 3'UTR	NA	rs12199765, rs2281490, rs915171	T
rs3734186	EPB41L2	6	131,199,378	T	C	0.030	1.000	flanking 3'UTR	NA	NA	NA
rs988749	EPB41L2	6	131,201,181	T	G	0.291	1.000	flanking 3'UTR	NA	rs2184408, rs4075265, rs6536, rs6907284, rs6933789, rs761835, rs9375777, rs955191	T
rs17059669	EPB41L2	6	131,201,485	G	A	0.016	1.000	flanking 3'UTR	NA	rs3822859	NA
rs6935267	EPB41L2	6	131,204,791	G	T	0.162	1.000	intron	NA	NA	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs6919007	EPB41L2	6	131,206,179	A	T	0.366	1.000	intron	NA	rs13437326, rs1413755, rs17180687, rs17770255, rs17784418, rs17785507, rs2183967, rs28482889, rs3777434, rs3777435, rs3777436, rs4895901, rs4895903, rs4895907, rs4895908, rs4897468, rs4897473, rs4897484, rs4897485, rs6569707, rs6569708, rs6906478, rs6918160, rs6931804, rs6935108, rs6938552, rs7760965, rs7775013, rs872576, rs9385564, rs9388861, rs9388863, rs9402292, rs942, rs954211	T
rs4897468	EPB41L2	6	131,206,765	T	C	0.367	1.000	intron	NA	rs13437326, rs1413755, rs17180687, rs17770255, rs17784418, rs17785507, rs2183967, rs2281487, rs28482889, rs3777434, rs3777435, rs3777436, rs4895901, rs4895903, rs4895907, rs4895908, rs4897473, rs4897484, rs4897485, rs6569707, rs6569708, rs6906478, rs6918160, rs6919007, rs6931804, rs6935108, rs6938552, rs7760965, rs7775013, rs872576, rs9385564, rs9388861, rs9388863, rs9402292, rs942, rs954211	T
rs4075265	EPB41L2	6	131,208,150	C	T	0.307	1.000	intron	NA	rs1413753, rs1571911, rs2039830, rs2183969, rs2184408, rs4895898, rs6536, rs6569709, rs6907284, rs6933789, rs6938309, rs6938735, rs761835, rs7738572, rs7741462, rs7748468, rs7754351, rs7768048, rs9285468, rs9375777, rs9388867, rs955191, rs988749, rs998228	T
rs10499174	EPB41L2	6	131,209,689	T	G	0.023	1.000	intron	NA	rs1043598, rs12661081, rs12664355, rs12965, rs13193246, rs17059681, rs17059702, rs2236078, rs2275063, rs3777450, rs3777453, rs3777463, rs3822864, rs7747881, rs7769153	NA
rs9402292	EPB41L2	6	131,211,966	A	G	0.366	1.000	intron	NA	rs17180687, rs17770255, rs17784418, rs17785507, rs2183967, rs2281487, rs28482889, rs3777434, rs3777435, rs3777436, rs4895907, rs4897468, rs4897473, rs6569707, rs6569708, rs6906478, rs6919007, rs6931804, rs6935108, rs7760965, rs7775013, rs872576, rs9385564, rs9388861, rs9388863, rs954211	T
rs928592	EPB41L2	6	131,219,792	G	A	0.288	1.000	intron	NA	rs915171	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs10457561	EPB41L2	6	131,223,025	T	C	0.161	1.000	intron	NA	rs10457562, rs10457563, rs11760051, rs12197829, rs12203760, rs17059954, rs3777432, rs4498389, rs6905151, rs6907809, rs6916206, rs7770892, rs9375785, rs9375787, rs9375788, rs9375789, rs9375794, rs9375797, rs9385567, rs9388860, rs9388876, rs9398967, rs9398971, rs9402306, rs9483210, rs9492792, rs954919	T
rs6569709	EPB41L2	6	131,223,739	C	T	0.309	1.000	intron	NA	rs1006655, rs1334689, rs1413753, rs1571911, rs1999474, rs2039509, rs2039830, rs2105250, rs2183969, rs2184408, rs2839942, rs4075265, rs4895898, rs4897475, rs6536, rs6907284, rs6938309, rs6938735, rs761835, rs7738572, rs7741462, rs7748468, rs7754351, rs7761655, rs7766505, rs7768048, rs9285468, rs9375777, rs9375786, rs9388867, rs9388870, rs9388871, rs9402304, rs9402305, rs9492764, rs998228	T
rs933063	EPB41L2	6	131,225,408	C	T	0.317	0.995	intron	NA	rs1043596, rs12194612, rs1811949, rs2095961, rs2281490, rs2297853, rs6921396, rs6922045, rs6922177, rs7741148, rs7769678, rs867707, rs915172, rs9321263, rs9372985	T
rs3777432	EPB41L2	6	131,225,509	G	A	0.161	1.000	intron	NA	rs10457561, rs10457562, rs10457563, rs6905151, rs6916206, rs9385567, rs9388860, rs9402306	T
rs915172	EPB41L2	6	131,226,463	T	G	0.307	1.000	intron	NA	rs1043596, rs12194612, rs12202038, rs1811949, rs2095961, rs2236075, rs2281490, rs2297853, rs6921396, rs6922045, rs6922177, rs7741148, rs7769678, rs867707, rs9321263, rs933063, rs9372985, rs9492774	T
rs7775013	EPB41L2	6	131,228,271	T	G	0.371	1.000	intron	NA	rs13437326, rs1413755, rs17180687, rs17770255, rs17784418, rs17785507, rs2183967, rs2281487, rs28482889, rs3777434, rs3777435, rs3777436, rs4895901, rs4895903, rs4895907, rs4895908, rs4897468, rs4897473, rs4897484, rs4897485, rs6569707, rs6569708, rs6906478, rs6918160, rs6919007, rs6926250, rs6928920, rs6931804, rs6935108, rs6938552, rs7760965, rs872576, rs9385564, rs9388861, rs9388863, rs9402292, rs942, rs954211	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs17059736	EPB41L2	6	131,232,531	G	A	0.125	1.000	coding	NA	rs10499177, rs12527605, rs12528626, rs12529894, rs17059678, rs17059852, rs17832366, rs3777452, rs3798251, rs6941909, rs9492762	T
rs3777438	EPB41L2	6	131,241,795	C	A	0.163	0.978	intron	NA	rs12110524, rs12206057, rs12530288, rs3777457, rs3777458, rs4357159, rs6938586, rs9321260, rs9492755	T
rs3822859	EPB41L2	6	131,248,402	A	T	0.014	0.998	intron	NA	rs17059669	NA
rs3798249	EPB41L2	6	131,249,136	T	C	0.484	0.998	intron	NA	rs12193574, rs2068147, rs3777440, rs3777441, rs3777442, rs3777455, rs3777461, rs3777466, rs3798250, rs3822863, rs4897471, rs4897472, rs9402299	T
rs2839942	EPB41L2	6	131,250,191	G	A	0.315	0.998	intron	NA	rs1413753, rs1571911, rs2039509, rs2039830, rs2183969, rs4895898, rs6569709, rs6907284, rs6938309, rs6938735, rs7738572, rs7741462, rs7748468, rs7754351, rs7768048, rs9285468, rs9375777, rs9388867, rs998228	T
rs12206057	EPB41L2	6	131,254,210	A	T	0.169	1.000	intron	NA	rs12110524, rs3777438, rs3777457, rs3777458, rs4357159, rs6938586, rs9321260, rs9492755	T
rs4897472	EPB41L2	6	131,254,831	A	G	0.483	1.000	intron	NA	rs12193574, rs2068147, rs3777440, rs3777441, rs3777442, rs3777455, rs3777461, rs3777466, rs3798249, rs3798250, rs3822863, rs4897471, rs9402299	T
rs4897473	EPB41L2	6	131,256,964	C	T	0.349	1.000	intron	NA	rs13437326, rs1413755, rs17180687, rs17770255, rs17784418, rs17785507, rs2183967, rs2281487, rs28482889, rs3777434, rs3777435, rs3777436, rs4895901, rs4895903, rs4895907, rs4895908, rs4897468, rs4897484, rs4897485, rs6569707, rs6569708, rs6906478, rs6918160, rs6919007, rs6926250, rs6928920, rs6931804, rs6935108, rs6938552, rs7760965, rs7775013, rs872576, rs9385564, rs9388861, rs9388863, rs9402292, rs942, rs954211	T
rs10499177	EPB41L2	6	131,257,514	A	G	0.089	1.000	intron	NA	rs12527605, rs12528626, rs12529894, rs17059678, rs17059736, rs17059852, rs17832366, rs3777452, rs3798251, rs4513821, rs6941909, rs9492762	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2068147	EPB41L2	6	131,263,595	C	T	0.483	1.000	intron	NA	rs12193574, rs3777440, rs3777441, rs3777442, rs3777455, rs3777461, rs3777466, rs3798249, rs3798250, rs3822863, rs4897471, rs4897472, rs9402299	T
rs3777450	EPB41L2	6	131,269,439	T	C	0.024	1.000	intron	NA	rs1043598, rs10499174, rs12661081, rs12664355, rs12965, rs13193246, rs17059681, rs17059702, rs2236078, rs2275063, rs3777453, rs3777463, rs3822864, rs7747881, rs7769153	NA
rs1999474	EPB41L2	6	131,279,395	T	C	0.276	1.000	intron	NA	rs1006655, rs1334689, rs1571911, rs2039509, rs2039830, rs2105250, rs2183969, rs4895898, rs4897475, rs6536, rs6569709, rs6907284, rs6938309, rs6938735, rs761835, rs7738572, rs7741462, rs7748468, rs7754351, rs7761655, rs7766505, rs7768048, rs9285468, rs9375777, rs9375786, rs9388867, rs9388870, rs9388871, rs9402304, rs9402305, rs9492764, rs998228	T
rs12528626	EPB41L2	6	131,291,090	A	G	0.088	1.000	intron	NA	rs10499177, rs12527605, rs12529894, rs17059678, rs17059736, rs17059852, rs17832366, rs3777452, rs3777464, rs3798251, rs4513821, rs6941909, rs9492762	T
rs3777457	EPB41L2	6	131,291,580	G	A	0.170	1.000	intron	NA	rs12110524, rs12206057, rs3777438, rs3777458, rs6938586, rs9321260, rs9492755	T
rs7766004	EPB41L2	6	131,295,666	G	A	0.273	1.000	intron	NA	NA	T
rs3822864	EPB41L2	6	131,295,963	G	A	0.024	1.000	intron	NA	rs1043598, rs10499174, rs12661081, rs12664355, rs12965, rs13193246, rs17059681, rs17059702, rs2236078, rs2275063, rs3777450, rs3777453, rs3777463, rs7747881, rs7769153	NA
rs9321260	EPB41L2	6	131,305,235	A	T	0.187	1.000	intron	NA	rs12206057, rs12526896, rs12530288, rs3777438, rs3777457, rs3777458, rs4357159, rs6938586, rs6941712, rs9492755	T
rs3777463	EPB41L2	6	131,307,487	A	G	0.024	1.000	intron	NA	rs1043598, rs10499174, rs12661081, rs12664355, rs12965, rs13193246, rs17059681, rs17059702, rs2236078, rs2275063, rs3777450, rs3777453, rs3822864, rs7747881, rs7769153	NA
rs3777464	EPB41L2	6	131,308,450	A	G	0.102	1.000	intron	NA	rs12527605, rs12528626, rs12529894, rs17059852, rs3777452, rs6941909, rs9492762	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs3777466	EPB41L2	6	131,309,919	A	G	0.460	1.000	intron	NA	rs12193574, rs2068147, rs3777440, rs3777441, rs3777442, rs3777455, rs3777461, rs3798249, rs3798250, rs3822863, rs4897471, rs4897472, rs9402299	T
rs9492767	EPB41L2	6	131,314,703	T	C	0.191	0.998	intron	NA	rs12202038, rs2236075, rs2281490	T
rs9375785	EPB41L2	6	131,316,601	C	T	0.171	0.998	intron	NA	rs10457561, rs10457562, rs10457563, rs11760051, rs12195366, rs12196734, rs12197829, rs17059954, rs2151068, rs4498389, rs6905151, rs6907809, rs6916206, rs7770892, rs9372987, rs9372989, rs9375787, rs9375788, rs9375789, rs9375790, rs9375795, rs9375796, rs9375797, rs9388873, rs9388876, rs9398967, rs9398969, rs9402306, rs9402310, rs9483210, rs9492792, rs951251, rs954919	T
rs2297853	EPB41L2	6	131,318,638	G	T	0.352	0.995	intron	NA	rs1043596, rs12194612, rs1811949, rs2095961, rs6921396, rs6922045, rs6922177, rs7741148, rs7761311, rs7769678, rs915172, rs9321263, rs933063, rs9372985, rs9385568, rs9492774	T
rs6941712	EPB41L2	6	131,323,903	T	C	0.125	1.000	intron	NA	rs12526896, rs12530288, rs3777458, rs4357159, rs9321260, rs9492755	T
rs2105250	EPB41L2	6	131,325,875	A	T	0.274	0.998	intron	NA	rs1006655, rs1334689, rs1999474, rs2039509, rs4897475, rs6569709, rs6907284, rs6938309, rs7738572, rs7748468, rs7761655, rs7766505, rs9285468, rs9375777, rs9375786, rs9388867, rs9388870, rs9388871, rs9402304, rs9402305	T
rs2095961	EPB41L2	6	131,325,953	C	T	0.355	1.000	intron	NA	rs1043596, rs12194612, rs1811949, rs2297853, rs6921396, rs6922045, rs6922177, rs7741148, rs7761311, rs7769678, rs867707, rs915172, rs9321263, rs933063, rs9372985, rs9385568, rs9492774	T
rs12527605	EPB41L2	6	131,326,069	C	T	0.087	0.998	intron	NA	rs10499177, rs12528626, rs12529894, rs17059678, rs17059736, rs17059852, rs17832366, rs3777452, rs3777464, rs3798251, rs4513821, rs6941909, rs9492762	T
rs2070822	FLNA	X	153,232,642	A	G	0.256	0.964	intron	NA	rs5945185, rs17426, rs17428, rs2070816, rs2239470, rs4898478, rs4898479, rs5945423	NA
rs2070827	FLNA	X	153,235,897	G	A	0.088	0.971	intron	NA	rs2070819, rs2070829, rs2239469	NA
rs5945185	FLNA	X	153,244,670	T	G	0.236	0.962	intron	NA	rs2070822, rs17426, rs17428, rs2070816, rs2239470, rs4898478, rs4898479, rs5945423	NA

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1064816	FLNA	X	153,248,322	A	G	0.249	0.962	coding	V320A (NP_001447)	NA	NA
rs17428	FLNA	X	153,263,157	C	T	0.223	0.978	flanking 3'UTR	NA	rs2070822, rs5945185, rs17426, rs2070816, rs2239470, rs4898478, rs4898479, rs5945423	NA
rs10423854	FOSB	19	50,647,512	A	G	0.425	0.998	flanking 5'UTR	NA	NA	T
rs10415949	FOSB	19	50,654,639	A	G	0.242	1.000	flanking 5'UTR	NA	rs10402243	T
rs2238687	FOSB	19	50,665,006	G	C	0.133	1.000	intron	NA	rs12373539, rs2238686	T
rs2276469	FOSB	19	50,666,433	T	C	0.449	0.916	intron	NA	rs2276470	T
rs708905	FOSB	19	50,669,312	G	C	0.128	0.995	3'UTR	NA	NA	T
rs6509214	FOSB	19	50,673,655	G	T	0.339	0.998	flanking 3'UTR	NA	NA	T
rs4511641	FOSB	19	50,685,408	C	A	0.440	1.000	intron	NA	NA	T
rs10988625	FREQ (NCS1)	9	131,967,389	G	A	0.061	1.000	flanking 5'UTR	NA	NA	T
rs12378342	FREQ (NCS1)	9	131,970,164	T	C	0.077	1.000	flanking 5'UTR	NA	rs12376641, rs41354949	T
rs9802616	FREQ (NCS1)	9	131,970,944	T	A	0.164	1.000	flanking 5'UTR	NA	NA	T
rs917690	FREQ (NCS1)	9	131,974,002	T	G	0.105	0.945	flanking 5'UTR	NA	NA	G
rs3780708	FREQ (NCS1)	9	131,975,772	C	T	0.356	0.988	intron	NA	NA	G
rs1017112	FREQ (NCS1)	9	131,976,625	T	C	0.172	0.998	intron	NA	rs3780712, rs4837479	T
rs4837479	FREQ (NCS1)	9	131,979,828	C	T	0.151	1.000	intron	NA	rs1017112, rs3780712	T
rs3780711	FREQ (NCS1)	9	131,982,864	T	C	0.122	0.964	intron	NA	NA	G
rs7849345	FREQ (NCS1)	9	131,984,366	C	T	0.490	0.993	intron	NA	NA	T
rs10819610	FREQ (NCS1)	9	131,986,436	G	T	0.283	1.000	intron	NA	rs7862394, rs4424362	T
rs3824544	FREQ (NCS1)	9	131,988,371	C	T	0.247	0.986	intron	NA	NA	T
rs7862394	FREQ (NCS1)	9	131,989,685	A	G	0.315	1.000	intron	NA	rs10819610, rs4424362	T
rs10819611	FREQ (NCS1)	9	131,995,274	T	C	0.299	1.000	intron	NA	rs13288372	T
rs1009502	FREQ (NCS1)	9	131,996,050	G	A	0.317	0.962	intron	NA	rs12003792	T
rs1342043	FREQ (NCS1)	9	131,998,126	T	C	0.143	0.988	intron	NA	rs4240446, rs7022964, rs7037293, rs887534	T
rs7856531	FREQ (NCS1)	9	132,000,447	T	G	0.462	1.000	intron	NA	rs3780715, rs7023210, rs7024495, rs7045735, rs7847466, rs870811, rs885345	T
rs7037293	FREQ (NCS1)	9	132,002,538	G	A	0.134	0.986	intron	NA	rs1342043, rs4240446, rs7022964, rs887534	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs7045735	FREQ (NCS1)	9	132,004,454	A	G	0.402	0.969	intron	NA	rs3780715, rs7023210, rs7024495, rs7847466, rs7856531, rs870811, rs885345	G
rs7024495	FREQ (NCS1)	9	132,007,017	G	A	0.481	0.998	intron	NA	rs3780715, rs7023210, rs7045735, rs7847466, rs7856531, rs870811, rs885345	T
rs7023210	FREQ (NCS1)	9	132,011,977	T	C	0.477	0.998	intron	NA	rs3780715, rs7024495, rs7045735, rs7847466, rs7856531, rs870811, rs885345	T
rs947513	FREQ (NCS1)	9	132,013,809	A	G	0.447	1.000	intron	NA	rs6478953, rs7875376	T
rs10819615	FREQ (NCS1)	9	132,014,745	C	T	0.361	0.995	intron	NA	NA	T
rs3897499	FREQ (NCS1)	9	132,014,885	A	T	0.355	0.986	intron	NA	NA	T
rs4240446	FREQ (NCS1)	9	132,018,220	G	A	0.143	0.945	intron	NA	rs1342043, rs7022964, rs7037293, rs887534	T
rs10988645	FREQ (NCS1)	9	132,019,357	G	A	0.295	1.000	intron	NA	rs12346070, rs4240447, rs4836695, rs4836697	T
rs3829905	FREQ (NCS1)	9	132,024,932	C	T	0.348	0.851	intron	NA	rs10988648	T
rs2277200	FREQ (NCS1)	9	132,028,530	T	G	0.313	1.000	coding	G172G (NP_055101)	rs2900286	T
rs2900286	FREQ (NCS1)	9	132,030,234	G	C	0.311	1.000	intron	NA	rs2277200	T
rs7873936	FREQ (NCS1)	9	132,032,983	G	A	0.182	1.000	intron	NA	NA	T
rs7852859	FREQ (NCS1)	9	132,034,981	A	G	0.125	1.000	intron	NA	NA	T
rs1054879	FREQ (NCS1)	9	132,035,589	A	G	0.463	1.000	3'UTR	NA	NA	T
rs13710	FREQ (NCS1)	9	132,037,596	T	C	0.290	1.000	3'UTR	NA	rs709611	T
rs709611	FREQ (NCS1)	9	132,038,180	C	T	0.277	0.995	3'UTR	NA	rs13710	T
rs7867364	FREQ (NCS1)	9	132,040,103	C	T	0.166	0.998	flanking 3'UTR	NA	NA	T
rs7863731	FREQ (NCS1)	9	132,042,626	C	T	0.389	0.981	flanking 3'UTR	NA	NA	T
rs1557123	FREQ (NCS1)	9	132,042,979	C	G	0.083	0.998	flanking 3'UTR	NA	NA	T
rs7867693	FREQ (NCS1)	9	132,043,625	G	A	0.114	1.000	flanking 3'UTR	NA	rs10819621	T
rs7868148	FREQ (NCS1)	9	132,043,755	G	A	0.273	1.000	flanking 3'UTR	NA	NA	T
rs10819621	FREQ (NCS1)	9	132,045,353	T	C	0.143	0.998	flanking 3'UTR	NA	rs7867693	T
rs10988653	FREQ (NCS1)	9	132,046,295	T	C	0.376	0.998	flanking 3'UTR	NA	NA	T
rs965808	GNAS	20	56,841,821	A	C	0.244	0.998	flanking 5'UTR	NA	NA	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs3761264	GNAS	20	56,846,766	C	T	0.432	1.000	flanking 5'UTR	NA	rs4810147, rs4812040	T
rs6064714	GNAS	20	56,847,535	A	G	0.146	1.000	flanking 5'UTR	NA	NA	T
rs1800900	GNAS	20	56,848,505	G	A	0.393	0.952	5'UTR	NA	rs1800905, rs3761263, rs6026557, rs6123832	G
rs4810147	GNAS	20	56,855,022	G	A	0.457	1.000	flanking 3'UTR	NA	rs3761264, rs4812040, rs6123833	T
rs6015389	GNAS	20	56,860,121	T	C	0.361	0.986	flanking 5'UTR	NA	rs6026561	T
rs6026561	GNAS	20	56,860,527	T	C	0.359	0.995	flanking 5'UTR	NA	rs6015389	T
rs8125112	GNAS	20	56,864,560	T	C	0.160	0.962	flanking 3'UTR	NA	NA	T
rs6064716	GNAS	20	56,877,541	G	C	0.132	1.000	flanking 3'UTR	NA	rs11699704, rs6070638	T
rs2145288	GNAS	20	56,877,604	A	C	0.277	1.000	flanking 3'UTR	NA	NA	T
rs6026567	GNAS	20	56,878,310	A	G	0.412	1.000	flanking 3'UTR	NA	rs12625436	T
rs12625436	GNAS	20	56,878,608	G	A	0.390	1.000	flanking 3'UTR	NA	rs6026567	T
rs7271854	GNAS	20	56,880,417	C	T	0.409	0.986	flanking 3'UTR	NA	NA	T
rs4810148	GNAS	20	56,881,306	T	C	0.343	1.000	flanking 3'UTR	NA	rs6123836	T
rs2180696	GNAS	20	56,887,299	C	G	0.403	1.000	flanking 5'UTR	NA	NA	T
rs6026574	GNAS	20	56,889,890	A	T	0.372	1.000	flanking 5'UTR	NA	rs4812042	T
rs4812042	GNAS	20	56,895,310	A	G	0.412	1.000	flanking 5'UTR	NA	rs2057291, rs6026574, rs6026584	T
rs6092704	GNAS	20	56,901,873	A	C	0.102	1.000	flanking 3'UTR	NA	rs3730164	T
rs2057291	GNAS	20	56,905,438	G	A	0.368	1.000	intron	NA	rs4812042, rs6026584, rs8121252	T
rs6128461	GNAS	20	56,910,485	C	T	0.392	1.000	intron	NA	rs6026592	T
rs7121	GNAS	20	56,912,202	C	T	0.495	1.000	coding	I117I (NP_536351)	NA	T
rs3730168	GNAS	20	56,912,334	G	A	0.336	1.000	intron	NA	NA	T
rs6026593	GNAS	20	56,912,528	A	G	0.113	1.000	intron	NA	rs6100269	T
rs919197	GNAS	20	56,914,328	C	T	0.459	1.000	intron	NA	rs234628, rs234629, rs3787493	T
rs3787493	GNAS	20	56,914,543	G	A	0.459	1.000	intron	NA	rs234628, rs234629, rs919197	T
rs234630	GNAS	20	56,917,050	T	C	0.300	0.998	intron	NA	rs151331, rs234618, rs234627	T
rs234628	GNAS	20	56,919,006	C	T	0.430	1.000	intron	NA	rs234629, rs3787493, rs919197	T
rs234627	GNAS	20	56,920,375	C	T	0.284	1.000	flanking 3'UTR	NA	rs151331, rs234618, rs234630	T
rs234623	GNAS	20	56,922,359	A	G	0.483	1.000	flanking 3'UTR	NA	NA	T
rs234621	GNAS	20	56,923,643	C	A	0.295	1.000	flanking 3'UTR	NA	rs151331, rs234618	T
rs151331	GNAS	20	56,925,899	G	A	0.299	1.000	flanking 3'UTR	NA	rs234618, rs234621, rs234627, rs234630	T
rs9612225	GNAZ	22	21,736,619	G	A	0.246	0.995	flanking 5'UTR	NA	rs13054331, rs13054904, rs9608071	T
rs13054331	GNAZ	22	21,737,063	G	A	0.242	1.000	flanking 5'UTR	NA	rs13054904, rs13055979, rs9608071, rs9612225	T
rs9624019	GNAZ	22	21,737,301	A	C	0.102	0.998	flanking 5'UTR	NA	NA	T
rs3788337	GNAZ	22	21,742,017	G	A	0.351	0.995	flanking 5'UTR	NA	NA	T
rs3788339	GNAZ	22	21,747,677	A	G	0.127	1.000	intron	NA	NA	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs3788341	GNAZ	22	21,747,758	A	G	0.472	0.995	intron	NA	NA	T
rs9306383	GNAZ	22	21,751,058	A	C	0.431	0.995	intron	NA	NA	T
rs3827315	GNAZ	22	21,752,890	T	C	0.288	0.998	intron	NA	rs1805058, rs1858746, rs1989777, rs2266995, rs2266997, rs2266999, rs2283802, rs2330336, rs2330338, rs3788343, rs3810614, rs4820536, rs4822354, rs5751576, rs5751578, rs5751579, rs5759580, rs6003502, rs6519411, rs739362, rs874138	T
rs5751579	GNAZ	22	21,759,224	C	T	0.275	1.000	intron	NA	rs3827315, rs1805058, rs1858746, rs1989777, rs2266995, rs2266997, rs2266999, rs2283802, rs2330336, rs2330338, rs3788343, rs3810614, rs4820536, rs4822354, rs5751576, rs5751578, rs5759580, rs6003502, rs6519411, rs739362, rs874138	T
rs1858746	GNAZ	22	21,763,804	T	C	0.279	0.978	intron	NA	rs3827315, rs1805058, rs1989777, rs2266995, rs2266997, rs2266999, rs2283802, rs2330336, rs2330338, rs3788343, rs3810614, rs4820536, rs4822354, rs5751576, rs5751578, rs5751579, rs5759580, rs6003502, rs6519411, rs739362, rs874138	G
rs5751583	GNAZ	22	21,764,327	G	A	0.058	0.998	intron	NA	NA	T
rs3810614	GNAZ	22	21,767,271	G	A	0.289	0.976	intron	NA	rs3827315, rs1805058, rs1858746, rs1989777, rs2266995, rs2266997, rs2266999, rs2283802, rs2330336, rs2330338, rs3788343, rs4820536, rs4822354, rs5751576, rs5751578, rs5751579, rs5759580, rs6003502, rs6519411, rs739362, rs874138	G
rs739362	GNAZ	22	21,774,067	G	C	0.279	0.950	intron	NA	rs3827315, rs1805058, rs1858746, rs1989777, rs2266995, rs2266997, rs2266999, rs2283802, rs2330336, rs2330338, rs3788343, rs3810614, rs4820536, rs4822354, rs5751576, rs5751578, rs5751579, rs5759580, rs6003502, rs6519411, rs874138	G
rs2266999	GNAZ	22	21,781,775	G	C	0.275	0.998	intron	NA	rs3827315, rs1805058, rs1858746, rs1989777, rs2266995, rs2266997, rs2283802, rs2330336, rs2330338, rs3788343, rs3810614, rs4820536, rs4822354, rs5751576, rs5751578, rs5751579, rs5759580, rs6003502, rs6519411, rs739362, rs874138	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2283802	GNAZ	22	21,784,722	C	T	0.263	0.993	intron	NA	rs3827315, rs1805058, rs1858746, rs1989777, rs2266995, rs2266997, rs2266999, rs2330336, rs2330338, rs3788343, rs3810614, rs4820536, rs4822354, rs5751576, rs5751578, rs5751579, rs5759580, rs6003502, rs6519411, rs739362, rs874138	T
rs13054985	GNAZ	22	21,788,577	A	G	0.453	1.000	intron	NA	rs1051875, rs2157710, rs2267000, rs2267003, rs2267004, rs2283803, rs3788347, rs3788348, rs3788350, rs3788351, rs4822357, rs4822359, rs5751589, rs6003518, rs756631, rs885963, rs885964, rs916583, rs916585, rs9612234, rs9612237	T
rs885964	GNAZ	22	21,791,003	C	G	0.446	0.995	intron	NA	rs1051875, rs13054985, rs2157710, rs2267000, rs2267003, rs2267004, rs2283803, rs3788347, rs3788348, rs3788350, rs3788351, rs4822357, rs4822359, rs5751589, rs5759593, rs6003518, rs756631, rs885963, rs916583, rs916585, rs9612234, rs9612237	T
rs5759593	GNAZ	22	21,794,457	G	A	0.408	0.995	intron	NA	rs1051875, rs2157710, rs2267000, rs2267003, rs2267004, rs2283803, rs3788347, rs3788348, rs3788350, rs3788351, rs4822357, rs4822359, rs5751589, rs6003518, rs756631, rs885963, rs885964, rs916583, rs916585, rs9612234, rs9612237	T
rs4820537	GNAZ	22	21,794,810	G	A	0.471	0.990	intron	NA	NA	T
rs9612234	GNAZ	22	21,797,080	T	C	0.444	1.000	3'UTR	NA	rs1051875, rs13054985, rs2157710, rs2267000, rs2267003, rs2267004, rs2283803, rs3788347, rs3788348, rs3788350, rs3788351, rs4822357, rs4822359, rs5751589, rs5759593, rs6003518, rs756631, rs885963, rs885964, rs916583, rs916585, rs9612237	T
rs756632	GNAZ	22	21,799,918	C	T	0.148	0.995	flanking 3'UTR	NA	NA	T
rs9612237	GNAZ	22	21,802,954	C	T	0.438	0.998	flanking 3'UTR	NA	rs1051875, rs13054985, rs2157710, rs2267000, rs2267003, rs2267004, rs2283803, rs3788347, rs3788348, rs3788350, rs3788351, rs4822357, rs4822359, rs5751589, rs5759593, rs6003518, rs756631, rs885963, rs885964, rs916583, rs916585, rs9612234	T
rs9909443	GRB2	17	70,819,941	C	T	0.261	0.998	flanking 3'UTR	NA	rs12936583, rs4542691, rs4559942, rs7207618, rs7219, rs8079197	T
rs4559942	GRB2	17	70,820,864	A	G	0.269	1.000	flanking 3'UTR	NA	rs12936583, rs12946365, rs4542691, rs7207618, rs7219, rs8079197, rs9909443	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs6501775	GRB2	17	70,822,168	C	T	0.053	0.998	flanking 3'UTR	NA	NA	T
rs8081778	GRB2	17	70,823,867	C	T	0.194	1.000	flanking 3'UTR	NA	rs1108355, rs12945469, rs2033607, rs2053156, rs2053158, rs2117562, rs2117563, rs2385264, rs2891713, rs4788889, rs4788890, rs4788891, rs4789181, rs4789186, rs4789188, rs4789189, rs4789193, rs6501786, rs7207506, rs959260, rs9901434	T
rs7219	GRB2	17	70,826,963	T	C	0.273	1.000	3'UTR	NA	rs12936583, rs12946365, rs4542691, rs4559942, rs7207618, rs8079197, rs9909443	T
rs8079197	GRB2	17	70,828,274	C	G	0.273	0.998	intron	NA	rs1076094, rs11077787, rs1109033, rs12936583, rs12946365, rs2053159, rs2164243, rs2891714, rs4542691, rs4559942, rs4789170, rs7207618, rs7219, rs9900586, rs9909443, rs9912608	T
rs12946365	GRB2	17	70,829,239	T	C	0.272	1.000	intron	NA	rs12936583, rs4542691, rs4559942, rs7207618, rs7219, rs8079197	T
rs12600908	GRB2	17	70,839,969	G	A	0.124	1.000	flanking 3'UTR	NA	rs16967789, rs9897815	T
rs4789170	GRB2	17	70,844,389	C	T	0.264	1.000	intron	NA	rs1076094, rs11077787, rs1109033, rs12950752, rs2053159, rs2164243, rs2891714, rs4542691, rs4624215, rs7207618, rs8079197, rs9900586, rs9912608	T
rs9912608	GRB2	17	70,848,626	C	G	0.263	0.998	intron	NA	rs1076094, rs11077787, rs1109033, rs12950752, rs2053159, rs2164243, rs2891714, rs4542691, rs4624215, rs4789170, rs7207618, rs8079197, rs9900586	T
rs4789172	GRB2	17	70,853,307	C	T	0.492	0.998	intron	NA	NA	T
rs1369299	GRB2	17	70,858,920	C	T	0.187	1.000	intron	NA	rs4789173, rs4789176, rs8065441, rs930296, rs930297, rs9302989, rs9302990, rs9899687, rs9914731	T
rs4789176	GRB2	17	70,864,463	T	A	0.188	1.000	intron	NA	rs1369299, rs4789173, rs8065441, rs930296, rs930297, rs9302989, rs9302990, rs9899687, rs9914731	T
rs4350602	GRB2	17	70,867,364	T	C	0.309	1.000	intron	NA	rs4789182	T
rs9902966	GRB2	17	70,873,742	T	C	0.195	0.995	intron	NA	NA	T
rs4789178	GRB2	17	70,879,837	G	C	0.197	0.998	intron	NA	NA	T
rs4789182	GRB2	17	70,886,540	A	G	0.319	0.998	intron	NA	rs4350602	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2053156	GRB2	17	70,890,035	T	G	0.197	1.000	intron	NA	rs1108355, rs12945469, rs2033607, rs2053158, rs2117562, rs2117563, rs2385264, rs2891713, rs4788889, rs4788890, rs4788891, rs4789181, rs4789186, rs4789188, rs4789189, rs4789193, rs6501786, rs7207506, rs8081778, rs959260, rs9901434	T
rs9909076	GRB2	17	70,896,404	T	G	0.197	1.000	intron	NA	NA	T
rs4788891	GRB2	17	70,902,740	G	A	0.194	1.000	intron	NA	rs1108355, rs12945469, rs2033607, rs2053156, rs2053158, rs2117562, rs2117563, rs2385264, rs2891713, rs4788889, rs4788890, rs4789181, rs4789186, rs4789188, rs4789189, rs4789193, rs6501786, rs7207506, rs8081778, rs959260, rs9901434	T
rs4789189	GRB2	17	70,909,580	G	C	0.199	0.995	intron	NA	rs1108355, rs12945469, rs2033607, rs2053156, rs2053158, rs2117562, rs2117563, rs2385264, rs2891713, rs4788889, rs4788890, rs4788891, rs4789181, rs4789186, rs4789188, rs4789189, rs4789193, rs6501786, rs7207506, rs8081778, rs959260, rs9901434	T
rs9908820	GRB2	17	70,920,414	G	A	0.341	1.000	flanking 5'UTR	NA	NA	T
rs8065441	GRB2	17	70,922,042	G	C	0.147	0.998	flanking 5'UTR	NA	rs1369299, rs4789173, rs4789176, rs930296, rs930297, rs9302989, rs9302990, rs9899687, rs9914731	T
rs10914453	HCRTR1	1	31,847,623	G	A	0.404	1.000	flanking 5'UTR	NA	rs10798880, rs10914456, rs10914458, rs2271933, rs2280386, rs6663012, rs6664789, rs7524405, rs7529064, rs7546297, rs871634	T
rs3753612	HCRTR1	1	31,854,997	G	C	0.475	0.954	flanking 5'UTR	NA	rs10914456, rs2176807, rs2271933, rs3753613, rs4949454, rs6663012, rs6681414, rs6703093, rs7529064, rs968335	G
rs968335	HCRTR1	1	31,858,363	A	G	0.484	1.000	intron	NA	rs10914456, rs2176807, rs2271933, rs3753612, rs3753613, rs4949454, rs6663012, rs6681414, rs6703093, rs7529064	T
rs10914456	HCRTR1	1	31,860,758	C	T	0.452	0.923	intron	NA	rs10798880, rs10914453, rs10914458, rs2176807, rs2271933, rs2280386, rs3753612, rs3753613, rs4949454, rs6663012, rs6664789, rs6703093, rs7524405, rs7529064, rs7546297, rs871634, rs968335	G
rs7516785	HCRTR1	1	31,861,808	G	NA	0.000	0.998	coding	R279Q (NP_001516)	NA	NA

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2271933	HCRTR1	1	31,865,112	G	A	0.426	0.993	coding	I408V (NP_001516)	rs10798880, rs10914453, rs10914456, rs10914458, rs2176807, rs2280386, rs3753612, rs3753613, rs4949454, rs6663012, rs6664789, rs6703093, rs7524405, rs7529064, rs7546297, rs871634, rs968335	T
rs6703093	HCRTR1	1	31,866,148	T	C	0.486	1.000	flanking 3'UTR	NA	rs10914456, rs2176807, rs2271933, rs3753612, rs3753613, rs4949454, rs6681414, rs7529064, rs968335	T
rs10914457	HCRTR1	1	31,866,848	C	A	0.405	0.957	flanking 3'UTR	NA	NA	G
rs10798880	HCRTR1	1	31,869,675	T	G	0.412	1.000	intron	NA	rs10914453, rs10914456, rs10914458, rs2271933, rs2280386, rs6663012, rs6664789, rs7524405, rs7529064, rs7546297, rs871634	T
rs7546297	HCRTR1	1	31,879,081	G	A	0.405	1.000	intron	NA	rs10798880, rs10914453, rs10914456, rs10914458, rs2271933, rs2280386, rs6663012, rs6664789, rs7524405, rs7529064, rs871634	T
rs7524405	HCRTR1	1	31,881,166	A	C	0.410	0.998	intron	NA	rs10798880, rs10914453, rs10914456, rs10914458, rs2271933, rs2280386, rs6663012, rs6664789, rs7529064, rs7546297, rs871634	T
rs9396056	HCRTR2	6	55,141,716	C	T	0.392	1.000	flanking 5'UTR	NA	NA	T
rs9357845	HCRTR2	6	55,142,145	G	C	0.387	1.000	flanking 5'UTR	NA	rs4431422, rs7756097, rs7767642, rs7771743	T
rs9464203	HCRTR2	6	55,145,083	G	A	0.213	1.000	flanking 5'UTR	NA	rs11751491, rs13198993, rs13200042, rs3122154, rs3122163, rs3134704, rs3134707, rs4609033, rs9370403	T
rs9382460	HCRTR2	6	55,145,443	C	A	0.187	1.000	flanking 5'UTR	NA	rs4467775	T
rs9367621	HCRTR2	6	55,148,249	A	T	0.448	0.998	intron	NA	rs7738215	T
rs10456181	HCRTR2	6	55,148,655	G	A	0.351	1.000	intron	NA	rs10456182	T
rs4364482	HCRTR2	6	55,148,947	G	A	0.185	1.000	intron	NA	NA	T
rs6927478	HCRTR2	6	55,152,345	T	G	0.390	1.000	intron	NA	NA	T
rs9370399	HCRTR2	6	55,152,984	A	C	0.453	1.000	intron	NA	rs6929450, rs7768760	T
rs7768760	HCRTR2	6	55,153,334	T	G	0.492	1.000	intron	NA	rs6929450, rs9370399	T
rs7775745	HCRTR2	6	55,158,466	G	A	0.452	1.000	intron	NA	NA	T
rs3134689	HCRTR2	6	55,162,711	A	G	0.203	0.998	intron	NA	rs3122148, rs13343017, rs3006854, rs3122149, rs3122151, rs3122153, rs3134696, rs3134699, rs3134701, rs3134708	T
rs4712099	HCRTR2	6	55,163,157	G	A	0.173	0.995	intron	NA	rs4142972	T
rs4236127	HCRTR2	6	55,164,136	T	C	0.184	0.998	intron	NA	rs3122148, rs10498801, rs10948894, rs12526414, rs12663056, rs6922310, rs6937705, rs6937878	T
rs9475195	HCRTR2	6	55,168,977	T	C	0.388	1.000	intron	NA	rs12111375	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs3134696	HCRTR2	6	55,170,060	T	C	0.203	1.000	intron	NA	rs3122148, rs13343017, rs3006854, rs3122149, rs3122151, rs3122153, rs3134689, rs3134699, rs3134701, rs3134708	T
rs3122148	HCRTR2	6	55,173,948	A	G	0.205	0.995	intron	NA	rs10498801, rs10948894, rs12526414, rs12663056, rs13343017, rs3006854, rs3122149, rs3122151, rs3122153, rs3134689, rs3134696, rs3134699, rs3134701, rs3134708, rs4236127, rs6922310, rs6937705, rs6937878	T
rs10498801	HCRTR2	6	55,174,923	G	A	0.183	1.000	intron	NA	rs3122148, rs10948894, rs12526414, rs12663056, rs4236127, rs6922310, rs6937705, rs6937878	T
rs12111375	HCRTR2	6	55,176,953	T	C	0.478	0.906	intron	NA	rs9475195	T
rs9367622	HCRTR2	6	55,177,132	T	C	0.147	1.000	intron	NA	rs12662510, rs9396060	T
rs3134705	HCRTR2	6	55,182,315	G	A	0.400	1.000	intron	NA	NA	T
rs3122153	HCRTR2	6	55,184,612	T	G	0.218	0.998	intron	NA	rs3122148, rs13343017, rs3006854, rs3122149, rs3122151, rs3134689, rs3134696, rs3134699, rs3134701, rs3134708	T
rs4142972	HCRTR2	6	55,184,896	G	A	0.177	1.000	intron	NA	rs4712099	T
rs3122154	HCRTR2	6	55,186,417	C	T	0.207	1.000	intron	NA	rs11751491, rs13198993, rs13200042, rs3122163, rs3134704, rs3134707, rs4609033, rs9370403, rs9464203	T
rs12662510	HCRTR2	6	55,187,850	A	G	0.146	0.983	intron	NA	rs9367622, rs9396060	T
rs9370403	HCRTR2	6	55,189,315	G	C	0.191	0.954	intron	NA	rs11751491, rs13198993, rs13200042, rs3122154, rs3122163, rs3134704, rs3134707, rs4609033, rs9464203	T
rs3134710	HCRTR2	6	55,190,420	A	T	0.259	1.000	intron	NA	rs3122156, rs3122160, rs9382464	T
rs3122156	HCRTR2	6	55,190,766	T	G	0.261	1.000	intron	NA	rs3122160, rs3134710, rs9382464	T
rs4311511	HCRTR2	6	55,198,566	A	G	0.287	0.986	intron	NA	rs3122162, rs3122164, rs3122167, rs3134711, rs9349772, rs9349774, rs9396069, rs9475208, rs9475214	T
rs4311512	HCRTR2	6	55,198,654	A	G	0.283	1.000	intron	NA	rs7771240, rs9357849, rs9367624	T
rs9382467	HCRTR2	6	55,198,914	A	T	0.457	0.998	intron	NA	NA	T
rs9349768	HCRTR2	6	55,199,409	A	T	0.221	1.000	intron	NA	rs10498802, rs3800539, rs4074181, rs4496804, rs4530845, rs7452651, rs9349771, rs9357850, rs9357851, rs9357853, rs9357855, rs9367625, rs9367626, rs9367629, rs9396062	T
rs7771240	HCRTR2	6	55,201,790	T	C	0.280	0.998	intron	NA	rs4311512, rs9357849, rs9367624	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs9357850	HCRTR2	6	55,204,783	C	T	0.221	1.000	intron	NA	rs10498802, rs3800539, rs4074181, rs4496804, rs4530845, rs7452651, rs9349768, rs9349771, rs9357851, rs9357855, rs9367625, rs9367626, rs9367629, rs9396062	T
rs9475210	HCRTR2	6	55,210,529	G	A	0.061	1.000	intron	NA	rs9367624, rs9475206	T
rs4074181	HCRTR2	6	55,211,426	C	T	0.218	0.998	intron	NA	rs10498802, rs3800539, rs4496804, rs4530845, rs7452651, rs9349768, rs9349771, rs9357850, rs9357851, rs9357853, rs9357855, rs9367625, rs9367626, rs9367629, rs9396062	T
rs3134711	HCRTR2	6	55,211,851	G	A	0.282	1.000	intron	NA	rs3122162, rs3122164, rs3122167, rs4311511, rs9349772, rs9349774, rs9396069, rs9475208, rs9475214	T
rs7741664	HCRTR2	6	55,213,260	T	C	0.255	0.998	intron	NA	rs9357853, rs9382471	T
rs9357853	HCRTR2	6	55,213,660	T	C	0.261	1.000	intron	NA	rs3122167, rs4074181, rs7741664, rs9349768, rs9349772, rs9349774, rs9357851, rs9357855, rs9367626, rs9382471, rs9396062, rs9396069, rs9475208, rs9475214	T
rs3122167	HCRTR2	6	55,220,774	T	C	0.283	0.995	intron	NA	rs3122162, rs3122164, rs3134711, rs4311511, rs9349772, rs9349774, rs9357853, rs9396069, rs9475208, rs9475214	T
rs3122169	HCRTR2	6	55,221,370	A	C	0.183	1.000	intron	NA	NA	T
rs2811239	HCRTR2	6	55,229,913	G	A	0.173	1.000	intron	NA	rs2653342, rs2653355	T
rs2653342	HCRTR2	6	55,239,096	G	A	0.152	1.000	intron	NA	rs2653355, rs2811239	T
rs2653343	HCRTR2	6	55,241,285	A	T	0.189	1.000	intron	NA	rs2653344, rs2653349, rs6929837	T
rs2134294	HCRTR2	6	55,242,206	C	T	0.438	0.998	intron	NA	rs10456702, rs12191932, rs1542896, rs1553332, rs1910123, rs2653348	T
rs7452651	HCRTR2	6	55,243,472	G	A	0.219	0.998	intron	NA	rs10498802, rs3800539, rs4074181, rs4496804, rs4530845, rs9349768, rs9349771, rs9357850, rs9357851, rs9357855, rs9367626, rs9367629, rs9396062	T
rs2653346	HCRTR2	6	55,244,249	G	A	0.028	0.998	intron	NA	NA	NA
rs6929837	HCRTR2	6	55,244,576	T	A	0.189	1.000	intron	NA	rs2653343, rs2653344, rs2653349	T
rs2653348	HCRTR2	6	55,247,827	C	T	0.415	1.000	intron	NA	rs1553332, rs1910123, rs2134294, rs2653350, rs2653351	T
rs2653349	HCRTR2	6	55,250,296	G	A	0.188	1.000	coding	I308V (NP_001517)	rs2653343, rs2653344, rs6929837	T
rs2653350	HCRTR2	6	55,252,061	A	G	0.429	1.000	intron	NA	rs10456702, rs12191932, rs1542896, rs2653348, rs2653351, rs2653352, rs2653353, rs2653354, rs2653357, rs2653359, rs2811228, rs2811231, rs2811232, rs2811233	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin (r ² > 0.80) ^e	Analysis Sample ^f
rs2811228	HCRTR2	6	55,260,768	C	A	0.385	0.998	flanking 3'UTR	NA	rs2653350, rs2653351, rs2653352, rs2653353, rs2653354, rs2653357, rs2653359, rs2811231, rs2811232, rs2811233	T
rs10456702	HCRTR2	6	55,261,975	A	G	0.453	1.000	flanking 3'UTR	NA	rs12191932, rs1542896, rs1553332, rs1910123, rs2134294, rs2653350, rs2653351	T
rs2653357	HCRTR2	6	55,264,698	G	A	0.382	0.998	flanking 3'UTR	NA	rs2653350, rs2653351, rs2653352, rs2653353, rs2653354, rs2653359, rs2811228, rs2811231, rs2811232, rs2811233	T
rs6859392	HTR1A	5	63,277,237	G	C	0.296	0.998	flanking 3'UTR	NA	NA	T
rs10085024	HTR1A	5	63,284,120	C	G	0.494	1.000	flanking 3'UTR	NA	rs10042486, rs12653018, rs1423691, rs1549274, rs2161615, rs4521432, rs6449693, rs6871991, rs6878612, rs878567	T
rs1364043	HTR1A	5	63,286,607	T	G	0.235	1.000	flanking 3'UTR	NA	NA	T
rs6295	HTR1A	5	63,294,321	C	G	0.499	0.993	flanking 5'UTR	NA	NA	T
rs10042486	HTR1A	5	63,297,085	C	T	0.496	0.998	flanking 5'UTR	NA	rs10085024, rs12653018, rs1423691, rs1549274, rs2161615, rs4521432, rs6449693, rs6871991, rs6878612, rs878567	T
rs13436914	HTR1A	5	63,297,951	T	C	0.001	1.000	flanking 5'UTR	NA	NA	NA
rs12203487	HTR1B	6	78,215,602	T	A	0.126	1.000	flanking 3'UTR	NA	rs10943458	T
rs1145831	HTR1B	6	78,217,292	T	C	0.220	0.998	flanking 3'UTR	NA	NA	T
rs12527054	HTR1B	6	78,220,647	T	C	0.075	0.998	flanking 3'UTR	NA	NA	T
rs9350712	HTR1B	6	78,220,836	A	T	0.457	0.995	flanking 3'UTR	NA	rs1160077, rs9352481	T
rs12527143	HTR1B	6	78,221,317	T	C	0.199	1.000	flanking 3'UTR	NA	rs2211488	T
rs9359271	HTR1B	6	78,222,839	A	C	0.270	1.000	flanking 3'UTR	NA	NA	T
rs2000292	HTR1B	6	78,223,664	G	A	0.279	1.000	flanking 3'UTR	NA	rs10806098, rs13192352, rs6296, rs6298	T
rs13212041	HTR1B	6	78,227,843	T	C	0.193	1.000	flanking 3'UTR	NA	NA	T
rs6297	HTR1B	6	78,228,660	T	C	0.138	1.000	flanking 3'UTR	NA	rs12173930, rs1778258	T
rs6296	HTR1B	6	78,228,979	C	G	0.281	1.000	coding	V287V (NP_000854)	rs10806098, rs12662392, rs13192352, rs2000292, rs6298	T
rs130060	HTR1B	6	78,229,469	A	C	0.017	1.000	coding	F124C (NP_000854)	NA	NA
rs130058	HTR1B	6	78,230,000	T	A	0.286	0.998	flanking 5'UTR	NA	NA	T
rs11568817	HTR1B	6	78,230,101	A	C	0.440	1.000	flanking 5'UTR	NA	rs1213366, rs1213371, rs1213373, rs1228814, rs17273700, rs9361235	T
rs1228814	HTR1B	6	78,230,539	G	T	0.433	0.971	flanking 5'UTR	NA	rs11568817, rs1213366, rs1213371, rs1213373, rs17273700, rs9361235	T
rs4140535	HTR1B	6	78,231,771	G	A	0.372	1.000	flanking 5'UTR	NA	rs1936158	T
rs10806098	HTR1B	6	78,232,728	G	A	0.279	1.000	flanking 5'UTR	NA	rs12662392, rs13192352, rs2000292, rs6296, rs6298	T
rs1213365	HTR1B	6	78,233,274	C	G	0.499	0.882	flanking 5'UTR	NA	rs1213370	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1213366	HTR1B	6	78,233,589	A	G	0.433	1.000	flanking 5'UTR	NA	rs11568817, rs1213371, rs1213373, rs1228814, rs17273700, rs9361235	T
rs1213369	HTR1B	6	78,234,976	C	G	0.427	1.000	flanking 5'UTR	NA	rs1936158	T
rs1213370	HTR1B	6	78,235,516	C	G	0.475	1.000	flanking 5'UTR	NA	rs1213365	T
rs1213371	HTR1B	6	78,236,764	C	T	0.434	0.993	flanking 5'UTR	NA	rs11568817, rs1213366, rs1213373, rs1228814, rs17273700, rs9361235	T
rs1936158	HTR1B	6	78,241,094	G	T	0.409	1.000	flanking 5'UTR	NA	rs1213369, rs4140535	T
rs12173930	HTR1B	6	78,243,153	C	T	0.133	1.000	flanking 5'UTR	NA	rs1778258, rs6297	T
rs2798949	HTR1B	6	78,246,853	G	A	0.340	0.998	flanking 5'UTR	NA	rs1891752	T
rs9352483	HTR1B	6	78,246,975	G	A	0.150	0.998	flanking 5'UTR	NA	rs6908090	T
rs4543330	HTR1B	6	78,247,352	A	C	0.139	0.998	flanking 5'UTR	NA	rs2226183	T
rs1343491	HTR1B	6	78,247,981	C	T	0.084	1.000	flanking 5'UTR	NA	rs13218546	T
rs1186675	KCNJ9	1	158,305,708	G	A	0.124	1.000	intron	NA	rs12402888, rs3180694, rs3747619	T
rs4656874	KCNJ9	1	158,311,246	C	T	0.311	1.000	flanking 5'UTR	NA	rs2753268	T
rs4656876	KCNJ9	1	158,317,016	G	C	0.477	1.000	flanking 5'UTR	NA	rs11265320, rs1321649, rs6677510	T
rs2737703	KCNJ9	1	158,322,556	C	T	0.356	0.998	intron	NA	rs11265318	T
rs2753268	KCNJ9	1	158,324,876	G	A	0.308	1.000	3'UTR	NA	rs4656874	T
rs2494211	KCNJ9	1	158,325,236	C	T	0.356	0.998	3'UTR	NA	NA	T
rs3180694	KCNJ9	1	158,328,008	C	T	0.121	1.000	3'UTR	NA	rs1186675, rs12402888, rs3747619	T
rs12401728	KCNJ9	1	158,328,583	C	T	0.205	1.000	intron	NA	rs12092798, rs12408242, rs2295621	T
rs2369406	KCNJ9	1	158,331,042	C	T	0.435	1.000	intron	NA	NA	T
rs11265320	KCNJ9	1	158,336,536	C	T	0.481	0.998	flanking 5'UTR	NA	rs1321649, rs4656876, rs6677510	T
rs11667211	KLF16	19	1,790,483	C	T	0.143	1.000	intron	NA	NA	T
rs893539	KLF16	19	1,794,493	G	A	0.254	0.990	intron	NA	rs1609760, rs893540	T
rs1609761	KLF16	19	1,798,698	A	C	0.211	0.988	intron	NA	rs11084912, rs12460105, rs3746038, rs3810417, rs4806814, rs4807152, rs893541	T
rs893541	KLF16	19	1,809,183	T	C	0.186	1.000	intron	NA	rs11084912, rs12460105, rs1609761, rs3746038, rs3810417, rs4806814, rs4807152	T
rs3810417	KLF16	19	1,815,601	C	T	0.169	0.993	flanking 5'UTR	NA	rs11084912, rs12460105, rs1609761, rs3746038, rs4806814, rs4807152, rs893541	T
rs10401329	KLF16	19	1,822,699	G	A	0.130	0.952	flanking 3'UTR	NA	NA	G
rs5905613	MAOA	X	43,392,244	C	T	0.278	1.000	flanking 5'UTR	NA	rs1465108, rs2064070, rs2205718, rs2235185, rs2235186, rs2239448, rs3027400, rs3027401, rs3027407, rs3027410, rs3788863, rs4301558, rs4570308, rs5905702, rs5906729, rs5906883, rs5906893, rs5906938, rs5906974, rs5953385, rs6323, rs6520894, rs979605, rs979606	NA
rs4824657	MAOA	X	43,397,246	C	G	0.276	0.930	flanking 5'UTR	NA	NA	NA

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs3788862	MAOA	X	43,402,308	G	A	0.281	0.998	intron	NA	NA	NA
rs5906883	MAOA	X	43,411,887	C	A	0.283	1.000	intron	NA	rs1465108, rs2064070, rs2205718, rs2235185, rs2235186, rs2239448, rs3027400, rs3027401, rs3027407, rs3027410, rs3788863, rs4301558, rs4570308, rs5905613, rs5905702, rs5906729, rs5906893, rs5906938, rs5906974, rs5953385, rs6323, rs6520894, rs979605, rs979606	NA
rs1465108	MAOA	X	43,423,153	G	A	0.284	1.000	intron	NA	rs2064070, rs2205718, rs2235185, rs2235186, rs2239448, rs3027400, rs3027401, rs3027407, rs3027410, rs3788863, rs4301558, rs4570308, rs5905613, rs5905702, rs5906729, rs5906883, rs5906893, rs5906938, rs5906974, rs5953385, rs6323, rs6520894, rs979605, rs979606	NA
rs5906957	MAOA	X	43,432,254	G	A	0.239	0.998	intron	NA	NA	NA
rs909525	MAOA	X	43,438,146	T	C	0.331	1.000	intron	NA	rs2072743, rs2072744, rs2283724, rs3027396, rs3027397, rs5905859	NA
rs2283725	MAOA	X	43,444,920	G	A	0.331	1.000	intron	NA	NA	NA
rs3027399	MAOA	X	43,477,666	G	C	0.058	0.995	intron	NA	NA	NA
rs2205718	MAOA	X	43,482,409	G	T	0.299	1.000	intron	NA	rs1465108, rs2064070, rs2235185, rs2235186, rs2239448, rs3027400, rs3027401, rs3027407, rs3027410, rs3788863, rs4301558, rs4570308, rs5905613, rs5905702, rs5906729, rs5906883, rs5906893, rs5906938, rs5906974, rs5953385, rs6323, rs6520894, rs979605, rs979606	NA
rs2072743	MAOA	X	43,484,465	C	T	0.347	0.998	intron	NA	rs2072744, rs2283724, rs3027396, rs3027397, rs5905859, rs909525	NA
rs979606	MAOA	X	43,486,086	T	C	0.299	0.998	intron	NA	rs1465108, rs2064070, rs2205718, rs2235185, rs2235186, rs2239448, rs3027400, rs3027401, rs3027407, rs3027410, rs3788863, rs4301558, rs4570308, rs5905613, rs5905702, rs5906729, rs5906883, rs5906893, rs5906938, rs5906974, rs5953385, rs6323, rs6520894, rs979605	NA
rs3027409	MAOA	X	43,491,977	T	G	0.050	1.000	flanking 3'UTR	NA	rs3027392, rs3027404, rs3027406, rs7052785	NA

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2064070	MAOA	X	43,493,626	T	A	0.302	0.998	flanking 3'UTR	NA	rs1465108, rs2205718, rs2235185, rs2235186, rs2239448, rs3027400, rs3027401, rs3027407, rs3027410, rs3788863, rs4301558, rs4570308, rs5905613, rs5905702, rs5906729, rs5906883, rs5906893, rs5906938, rs5906974, rs5953385, rs6323, rs6520894, rs979605, rs979606	NA
rs6609257	MAOA	X	43,497,652	A	G	0.428	1.000	flanking 3'UTR	NA	NA	NA
rs3027415	MAOA	X	43,499,385	T	C	0.218	1.000	flanking 3'UTR	NA	rs3027450, rs5905449	NA
rs3027416	MAOA	X	43,499,578	A	NA	0.000	0.983	flanking 3'UTR	NA	NA	NA
rs3027421	MAOB	X	43,504,669	G	C	0.001	1.000	flanking 3'UTR	NA	NA	NA
rs3027431	MAOB	X	43,508,028	G	A	0.004	1.000	flanking 3'UTR	NA	NA	NA
rs12558036	MAOB	X	43,508,224	C	G	0.001	1.000	flanking 3'UTR	NA	NA	NA
rs1040398	MAOB	X	43,510,375	A	G	0.002	1.000	flanking 3'UTR	NA	NA	NA
rs1799836	MAOB	X	43,512,943	T	C	0.469	1.000	intron	NA	NA	NA
rs10521432	MAOB	X	43,518,684	G	A	0.291	0.998	intron	NA	rs2283729, rs3027456, rs6651806	NA
rs7888450	MAOB	X	43,518,947	T	C	0.002	1.000	intron	NA	NA	NA
rs17310637	MAOB	X	43,524,923	C	G	0.001	1.000	intron	NA	NA	NA
rs12007768	MAOB	X	43,530,940	G	NA	0.000	1.000	intron	NA	NA	NA
rs2311013	MAOB	X	43,536,455	T	A	0.034	1.000	intron	NA	NA	NA
rs5905449	MAOB	X	43,540,597	G	A	0.221	0.998	intron	NA	rs3027415, rs3027450	NA
rs3027459	MAOB	X	43,546,221	C	NA	0.000	1.000	intron	NA	NA	NA
rs736944	MAOB	X	43,559,979	C	T	0.175	1.000	intron	NA	rs12851487, rs3027449, rs3027452, rs4824562	NA
rs17146716	MAOB	X	43,564,576	A	G	0.002	1.000	intron	NA	NA	NA
rs6651806	MAOB	X	43,573,908	A	C	0.305	1.000	intron	NA	rs10521432, rs2283729, rs3027456	NA
rs5952795	MAOB	X	43,582,223	G	NA	0.000	1.000	intron	NA	NA	NA
rs4824562	MAOB	X	43,588,734	T	C	0.156	1.000	intron	NA	rs12851487, rs3027449, rs3027452, rs5952799, rs736944	NA
rs5952330	MAOB	X	43,589,225	A	NA	0.000	1.000	intron	NA	NA	NA
rs5952799	MAOB	X	43,589,787	C	T	0.156	0.954	intron	NA	rs12851487, rs4824562	NA
rs5952813	MAOB	X	43,599,701	G	NA	0.000	1.000	intron	NA	NA	NA
rs5952340	MAOB	X	43,605,747	T	NA	0.000	1.000	intron	NA	NA	NA
rs5905512	MAOB	X	43,611,338	G	A	0.494	0.998	intron	NA	NA	NA
rs5952352	MAOB	X	43,613,532	C	NA	0.000	1.000	intron	NA	NA	NA
rs17759568	MAPK1	22	20,440,627	A	G	0.042	1.000	flanking 3'UTR	NA	NA	NA
rs2276005	MAPK1	22	20,443,688	T	G	0.043	1.000	flanking 3'UTR	NA	rs4821263, rs4821401, rs5755074, rs5755745, rs9610355	NA
rs13515	MAPK1	22	20,445,886	C	T	0.194	1.000	3'UTR	NA	rs17759598, rs17759796, rs2876980, rs5999842, rs8140233	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1063311	MAPK1	22	20,446,467	C	T	0.443	0.988	3'UTR	R100C (XP_498872)	rs1892848, rs11704205, rs11913721, rs13943, rs1892846, rs2006893, rs2266966, rs2266967, rs2266969, rs2283791, rs2283792, rs2283793, rs2283794, rs2876981, rs3788332, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5750113, rs5755099, rs5999515, rs5999521, rs5999550, rs5999749, rs5999752, rs6928, rs7290469, rs743409, rs8139376, rs9340, rs9607241, rs9607287, rs9607298, rs9610271, rs9610338, rs9610374, rs9610375	T
rs5755074	MAPK1	22	20,451,327	C	T	0.043	1.000	flanking 3'UTR	NA	rs2276005, rs4821263, rs4821401, rs5755745, rs9610355	NA
rs2266966	MAPK1	22	20,451,554	T	C	0.444	0.998	flanking 3'UTR	NA	rs1892848, rs1063311, rs11704205, rs11913721, rs13943, rs1892846, rs2006893, rs2266967, rs2266969, rs2283791, rs2283792, rs2283793, rs2876981, rs3788332, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5755099, rs5999515, rs5999521, rs5999550, rs5999749, rs5999752, rs6928, rs7290469, rs743409, rs8139376, rs9340, rs9607241, rs9607287, rs9607298, rs9610271, rs9610338, rs9610374, rs9610375	T
rs17759598	MAPK1	22	20,452,149	T	C	0.152	1.000	flanking 3'UTR	NA	rs13515, rs17759796, rs2876980, rs5999842, rs8140233	T
rs2298432	MAPK1	22	20,453,189	C	A	0.353	0.998	flanking 3'UTR	NA	NA	T
rs4821263	MAPK1	22	20,457,490	C	T	0.042	1.000	intron	NA	rs2276005, rs4821401, rs5755074, rs5755745, rs9610355	NA
rs743409	MAPK1	22	20,459,215	G	A	0.451	1.000	intron	NA	rs1892848, rs1063311, rs11704205, rs11913721, rs13943, rs1892846, rs2006893, rs2266966, rs2266967, rs2266969, rs2283791, rs2283792, rs2283793, rs2283794, rs3788332, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5750113, rs5755099, rs5755694, rs5999515, rs5999521, rs5999550, rs5999749, rs5999752, rs6928, rs8139376, rs9340, rs9607241, rs9607287, rs9607298, rs9610338, rs9610374, rs9610375	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2283791	MAPK1	22	20,460,945	C	G	0.441	0.993	intron	NA	rs1892848, rs1063311, rs11704205, rs11913721, rs13943, rs1892846, rs2006893, rs2266966, rs2266967, rs2266969, rs2283792, rs2283793, rs2876981, rs3788332, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5755099, rs5999515, rs5999521, rs5999550, rs5999749, rs5999752, rs6928, rs7290469, rs743409, rs8139376, rs9340, rs9607241, rs9607287, rs9607298, rs9610271, rs9610338, rs9610374, rs9610375	T
rs9607272	MAPK1	22	20,466,398	T	G	0.249	1.000	intron	NA	rs3810606, rs3810608, rs9610417, rs9610470, rs9610487, rs9610496	T
rs11704205	MAPK1	22	20,475,253	C	T	0.459	1.000	intron	NA	rs1892848, rs1063311, rs11913721, rs13943, rs1892846, rs2006893, rs2266966, rs2266967, rs2266969, rs2283791, rs2283792, rs2283793, rs2283794, rs3788332, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5750113, rs5755099, rs5755694, rs5999515, rs5999521, rs5999550, rs5999749, rs5999752, rs6928, rs743409, rs8139376, rs9340, rs9607241, rs9607287, rs9607298, rs9610338, rs9610374, rs9610375	T
rs5999550	MAPK1	22	20,481,286	G	C	0.459	1.000	intron	NA	rs1892848, rs1063311, rs11704205, rs11913721, rs13943, rs1892846, rs2006893, rs2266966, rs2266967, rs2266969, rs2283791, rs2283792, rs2283793, rs2283794, rs3788332, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5750113, rs5755099, rs5755694, rs5999515, rs5999521, rs5999749, rs5999752, rs6928, rs743409, rs8139376, rs9340, rs9607241, rs9607287, rs9607298, rs9610338, rs9610374, rs9610375	T
rs2298434	MAPK1	22	20,483,239	G	A	0.042	1.000	intron	NA	NA	NA
rs9610355	MAPK1	22	20,493,633	G	A	0.042	1.000	intron	NA	rs2276005, rs4821263, rs4821401, rs5755074, rs5755745	NA

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs3788332	MAPK1	22	20,501,567	A	G	0.459	0.998	intron	NA	rs1892848, rs1063311, rs11704205, rs11913721, rs13943, rs1892846, rs2006893, rs2266966, rs2266967, rs2266969, rs2283791, rs2283792, rs2283793, rs2283794, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5750113, rs5755099, rs5755694, rs5999515, rs5999521, rs5999550, rs5999749, rs5999752, rs6928, rs743409, rs8139376, rs9340, rs9607241, rs9607287, rs9607298, rs9610338, rs9610374, rs9610375	T
rs5999704	MAPK1	22	20,508,791	G	T	0.001	1.000	intron	NA	NA	NA
rs1892848	MAPK1	22	20,516,562	C	T	0.459	1.000	intron	NA	rs1063311, rs11704205, rs11913721, rs13943, rs1892846, rs2006893, rs2266966, rs2266967, rs2266969, rs2283791, rs2283792, rs2283793, rs2283794, rs3788332, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5750113, rs5755099, rs5755694, rs5999515, rs5999521, rs5999550, rs5999749, rs5999752, rs6928, rs743409, rs8139376, rs9340, rs9607241, rs9607287, rs9607298, rs9610338, rs9610374, rs9610375	T
rs9610375	MAPK1	22	20,517,093	G	T	0.487	0.978	intron	NA	rs1892848, rs1063311, rs11704205, rs13943, rs1892846, rs2006893, rs2266966, rs2266967, rs2266969, rs2283791, rs2283792, rs2283793, rs2283794, rs3788332, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5750113, rs5755099, rs5999515, rs5999521, rs5999550, rs5999749, rs5999752, rs6928, rs743409, rs8139376, rs9340, rs9607241, rs9607287, rs9607298, rs9610338, rs9610374	T
rs5755694	MAPK1	22	20,530,530	C	T	0.444	1.000	intron	NA	rs1892848, rs11704205, rs13943, rs1892846, rs2006893, rs2266967, rs2283792, rs3788332, rs3810610, rs4821402, rs5749806, rs5749986, rs5749998, rs5755099, rs5999515, rs5999521, rs5999550, rs6928, rs743409, rs8136867, rs9607287	T
rs8136867	MAPK1	22	20,534,793	A	G	0.444	0.998	intron	NA	rs5755694	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2876981	MAPK1	22	20,535,611	A	C	0.400	1.000	intron	NA	rs1063311, rs11913721, rs2266966, rs2266969, rs2283791, rs2283793, rs5999749, rs5999752, rs8139376, rs9340, rs9607241, rs9607298, rs9610271, rs9610338, rs9610374	T
rs9610470	MAPK1	22	20,539,139	T	C	0.259	1.000	intron	NA	rs3810606, rs3810608, rs9607272, rs9610417, rs9610487, rs9610496	T
rs4821401	MAPK1	22	20,544,572	T	C	0.042	1.000	intron	NA	rs2276005, rs4821263, rs5755074, rs5755745, rs9610355	NA
rs5755745	MAPK1	22	20,550,816	T	C	0.044	1.000	intron	NA	rs2276005, rs4821263, rs4821401, rs5755074, rs9610355	NA
rs5999891	MAPK1	22	20,557,038	A	C	0.001	1.000	flanking 5'UTR	NA	NA	NA
rs4678448	NCK1	3	138,053,879	C	T	0.317	1.000	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs1805300	NCK1	3	138,058,932	G	A	0.317	1.000	flanking 3'UTR	NA	NA	T
rs938525	NCK1	3	138,064,643	T	C	0.313	1.000	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs9845460	NCK1	3	138,069,807	G	A	0.236	1.000	intron	NA	rs12629000, rs16844241, rs4678275	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs9818792	NCK1	3	138,072,010	T	C	0.311	0.998	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs12330283	NCK1	3	138,073,101	T	C	0.313	1.000	intron	NA	rs1052618, rs10935210, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs1865149	NCK1	3	138,078,300	A	G	0.313	1.000	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2343662	NCK1	3	138,083,736	A	T	0.314	1.000	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs9846691	NCK1	3	138,088,961	C	T	0.313	1.000	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs6784005	NCK1	3	138,095,451	G	C	0.312	0.873	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs9824147	NCK1	3	138,100,688	A	T	0.035	0.998	intron	NA	NA	NA
rs9867325	NCK1	3	138,101,599	G	C	0.233	0.998	intron	NA	rs1052620	T
rs6761993	NCK1	3	138,108,592	T	C	0.393	0.993	intron	NA	NA	T
rs9837990	NCK1	3	138,115,626	G	C	0.394	1.000	intron	NA	rs835636, rs1347209, rs2117009, rs6803618, rs9289523, rs9828009, rs9859810, rs9881139	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs9881139	NCK1	3	138,116,730	G	A	0.393	1.000	intron	NA	rs835636, rs1347209, rs2117009, rs6803618, rs9289523, rs9828009, rs9837990, rs9859810	T
rs4678274	NCK1	3	138,121,927	G	T	0.313	1.000	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs10935210	NCK1	3	138,133,843	G	A	0.313	0.998	intron	NA	rs1052618, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs6775389	NCK1	3	138,142,414	T	C	0.313	1.000	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs1433318	NCK1	3	138,149,144	T	C	0.313	0.998	intron	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3772388, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs835648, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs835648	NCK1	3	138,154,194	T	A	0.303	1.000	flanking 3'UTR	NA	rs1052618, rs10935210, rs12330283, rs12487901, rs12637949, rs1344790, rs1433318, rs1433319, rs1865149, rs1965109, rs2031029, rs2343662, rs3845925, rs3856623, rs3963921, rs4678274, rs4678448, rs6439672, rs6771717, rs6775389, rs6783508, rs6784005, rs6786302, rs6786648, rs6797509, rs7611847, rs7629882, rs7648817, rs938525, rs9818792, rs9827648, rs9833952, rs9836807, rs9846691, rs9848867, rs9855314, rs9859665, rs9865545, rs9874887, rs9878464	T
rs7648198	NCK1	3	138,154,451	A	C	0.470	0.998	flanking 3'UTR	NA	NA	T
rs835637	NCK1	3	138,155,847	A	T	0.454	0.998	flanking 5'UTR	NA	rs835636	T
rs835636	NCK1	3	138,157,190	C	A	0.483	0.998	flanking 5'UTR	NA	rs1347209, rs2117009, rs6803618, rs835637, rs9289523, rs9828009, rs9837990, rs9859810, rs9881139	T
rs835634	NCK1	3	138,158,993	C	T	0.410	0.998	flanking 5'UTR	NA	rs12054219, rs12054408, rs835632	T
rs12054220	NCK1	3	138,160,271	A	G	0.494	1.000	intron	NA	NA	T
rs16840214	NR4A2	2	156,875,018	C	T	0.213	1.000	flanking 3'UTR	NA	rs16840216	T
rs707127	NR4A2	2	156,877,056	C	T	0.362	0.998	flanking 3'UTR	NA	rs10195293	T
rs1528454	NR4A2	2	156,877,951	T	C	0.299	1.000	flanking 3'UTR	NA	rs10195293	T
rs1150143	NR4A2	2	156,885,862	C	G	0.338	1.000	flanking 3'UTR	NA	rs1150144, rs707130, rs834829, rs834831, rs834834, rs834835	T
rs1150144	NR4A2	2	156,886,749	A	G	0.308	1.000	flanking 3'UTR	NA	rs1150143, rs707130, rs834829, rs834831, rs834834, rs834835	T
rs12803	NR4A2	2	156,890,171	C	A	0.475	1.000	3'UTR	NA	NA	T
rs13428968	NR4A2	2	156,900,859	T	C	0.165	1.000	flanking 5'UTR	NA	NA	T
rs834829	NR4A2	2	156,909,095	G	A	0.307	1.000	flanking 5'UTR	NA	rs1150143, rs1150144, rs707130, rs834831, rs834834, rs834835	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs834830	NR4A2	2	156,911,506	A	G	0.230	1.000	flanking 5'UTR	NA	NA	T
rs6700238	NTRK1	1	155,089,868	A	NA	0.000	0.971	intron	NA	NA	NA
rs1800878	NTRK1	1	155,100,893	G	T	0.031	1.000	intron	NA	NA	NA
rs1800879	NTRK1	1	155,104,765	C	T	0.363	1.000	intron	NA	NA	T
rs6334	NTRK1	1	155,112,857	G	A	0.235	1.000	coding	Q558Q (NP_002520)	NA	T
rs6336	NTRK1	1	155,115,542	C	T	0.066	1.000	coding	H604Y (NP_002520)	NA	T
rs2644596	NTRK1	1	155,118,938	C	G	0.203	1.000	flanking 3'UTR	NA	NA	T
rs943551	NTRK1	1	155,122,121	C	T	0.067	1.000	flanking 3'UTR	NA	rs943552	T
rs943552	NTRK1	1	155,122,242	C	T	0.067	0.998	flanking 3'UTR	A16V (XP_371320)	rs943551	T
rs2768762	NTRK1	1	155,127,086	T	G	0.198	1.000	flanking 3'UTR	NA	NA	T
rs2644620	NTRK1	1	155,127,792	T	C	0.113	1.000	flanking 3'UTR	NA	rs2644621, rs2935228, rs2986716	T
rs12210856	OPRM1	6	154,399,679	T	G	0.042	1.000	flanking 5'UTR	NA	rs10457090, rs12205732, rs12209447, rs6912029, rs7748401	NA
rs1799972	OPRM1	6	154,402,389	C	T	0.005	0.998	coding	A6V (NP_000905)	NA	NA
rs1799971	OPRM1	6	154,402,490	A	G	0.120	1.000	coding	N40D (NP_000905)	NA	T
rs510769	OPRM1	6	154,403,712	C	T	0.255	1.000	intron	NA	rs589046	T
rs477292	OPRM1	6	154,405,080	C	T	0.221	1.000	intron	NA	rs607759, rs499796, rs509544, rs511435, rs514980, rs520321, rs524731, rs553202, rs557748, rs634479, rs668394	T
rs557748	OPRM1	6	154,405,995	G	A	0.221	1.000	intron	NA	rs607759, rs477292, rs499796, rs509544, rs511435, rs514980, rs520321, rs524731, rs553202, rs634479, rs668394	T
rs514980	OPRM1	6	154,409,860	T	C	0.216	0.998	intron	NA	rs607759, rs477292, rs499796, rs509544, rs511435, rs520321, rs524731, rs553202, rs557748, rs634479, rs668394	T
rs4870266	OPRM1	6	154,410,691	G	A	0.068	1.000	intron	NA	NA	T
rs607759	OPRM1	6	154,414,130	C	T	0.221	0.998	intron	NA	rs477292, rs499796, rs509544, rs511435, rs514980, rs520321, rs524731, rs553202, rs557748, rs634479, rs668394	T
rs610231	OPRM1	6	154,420,170	A	G	0.120	0.998	intron	NA	NA	T
rs3823010	OPRM1	6	154,420,845	G	A	0.162	1.000	intron	NA	rs17209711, rs3778158, rs1381376, rs1461773, rs17275521, rs3778145, rs3778146, rs3778147, rs3778148, rs3778149, rs3778150, rs3778151, rs3778153, rs3778155, rs3778156, rs3778157, rs3798678, rs6927269, rs6936615, rs7772959, rs7773995, rs9285542, rs9322445, rs9478501, rs9478503, rs9478504, rs9479754	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs7773995	OPRM1	6	154,424,060	C	T	0.162	1.000	intron	NA	rs17209711, rs3778158, rs1381376, rs1461773, rs17275521, rs3778145, rs3778146, rs3778147, rs3778148, rs3778149, rs3778150, rs3778151, rs3778153, rs3778155, rs3778156, rs3778157, rs3798678, rs3823010, rs6927269, rs6936615, rs7772959, rs9285542, rs9322445, rs9478501, rs9478503, rs9478504, rs9479754	T
rs495491	OPRM1	6	154,424,235	A	G	0.258	1.000	intron	NA	NA	T
rs589046	OPRM1	6	154,434,831	C	T	0.258	1.000	intron	NA	rs510769	T
rs1381376	OPRM1	6	154,434,951	C	T	0.159	1.000	intron	NA	rs17209711, rs3778158, rs1461773, rs17275521, rs3778145, rs3778146, rs3778147, rs3778148, rs3778149, rs3778150, rs3778151, rs3778153, rs3778155, rs3778156, rs3778157, rs3798678, rs3823010, rs6927269, rs7772959, rs7773995, rs9285542, rs9322445, rs9478501, rs9478503, rs9478504, rs9479754	T
rs3778151	OPRM1	6	154,435,373	T	C	0.164	1.000	intron	NA	rs17209711, rs3778158, rs1381376, rs1461773, rs17275521, rs3778145, rs3778146, rs3778147, rs3778148, rs3778149, rs3778150, rs3778151, rs3778153, rs3778155, rs3778156, rs3778157, rs3798678, rs3823010, rs6927269, rs7773995, rs9285542, rs9478501, rs9478503, rs9478504, rs9479754	T
rs17209711	OPRM1	6	154,438,148	T	A	0.158	1.000	intron	NA	rs3778158, rs1381376, rs1461773, rs17275521, rs3778145, rs3778146, rs3778147, rs3778148, rs3778149, rs3778150, rs3778151, rs3778153, rs3778155, rs3778156, rs3778157, rs3798678, rs3823010, rs6927269, rs7772959, rs7773995, rs9285542, rs9322445, rs9478501, rs9478503, rs9478504, rs9479754	T
rs3778155	OPRM1	6	154,445,511	C	T	0.171	0.938	intron	NA	rs17209711, rs3778158, rs1381376, rs1461773, rs17275521, rs3778145, rs3778146, rs3778147, rs3778148, rs3778149, rs3778150, rs3778151, rs3778153, rs3778156, rs3778157, rs3798678, rs3823010, rs6927269, rs7772959, rs7773995, rs9285542, rs9322445, rs9478501, rs9478503, rs9478504, rs9479754	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs3778158	OPRM1	6	154,447,423	A	T	0.159	1.000	intron	NA	rs17209711, rs1381376, rs1461773, rs17275521, rs3778145, rs3778146, rs3778147, rs3778148, rs3778149, rs3778150, rs3778151, rs3778153, rs3778155, rs3778156, rs3778157, rs3798678, rs3823010, rs6927269, rs7772959, rs7773995, rs9285542, rs9478503, rs9478504, rs9479754	T
rs563649	OPRM1	6	154,449,660	C	T	0.091	1.000	intron	NA	NA	T
rs9322446	OPRM1	6	154,450,395	G	A	0.155	1.000	intron	NA	NA	T
rs9479757	OPRM1	6	154,453,037	G	A	0.101	1.000	flanking 3'UTR	NA	rs10485057, rs511420, rs544093, rs556716, rs590761, rs599945, rs613341, rs616585, rs617648, rs620496, rs625109, rs628618, rs632395, rs636433, rs645189, rs649840, rs664247, rs9479756	T
rs2075572	OPRM1	6	154,453,697	C	G	0.442	1.000	flanking 5'UTR	NA	NA	T
rs510587	OPRM1	6	154,455,121	G	A	0.050	1.000	flanking 3'UTR	NA	NA	T
rs9282821	OPRM1	6	154,456,068	C	A	0.427	1.000	flanking 5'UTR	NA	NA	T
rs540825	OPRM1	6	154,456,139	T	A	0.251	1.000	coding	NA	rs1323043, rs497315, rs497976, rs504932, rs538174, rs550014, rs558025, rs558948, rs583664, rs598682, rs606545, rs609148, rs633387, rs636572, rs639855, rs642489, rs644261, rs647192, rs648893, rs650825, rs656905, rs676252, rs677830, rs680787	T
rs548646	OPRM1	6	154,459,840	C	T	0.345	1.000	flanking 3'UTR	NA	rs1853384, rs505340, rs548339, rs562859, rs581439, rs582924, rs598160, rs604844, rs612512, rs613355, rs618207, rs619089, rs632457, rs632499, rs648007, rs658156, rs660756, rs671531, rs675026, rs678122, rs681243	T
rs3798683	OPRM1	6	154,460,107	G	A	0.157	1.000	flanking 3'UTR	NA	NA	T
rs599548	OPRM1	6	154,460,254	G	A	0.136	0.998	flanking 3'UTR	NA	rs645027	T
rs9322447	OPRM1	6	154,466,013	G	A	0.483	1.000	flanking 3'UTR	NA	rs1323041, rs1323042	T
rs618207	OPRM1	6	154,466,362	G	A	0.347	1.000	flanking 3'UTR	NA	rs1853384, rs505340, rs548339, rs548646, rs562859, rs581439, rs582924, rs598160, rs604844, rs612512, rs613355, rs619089, rs632457, rs632499, rs648007, rs658156, rs660756, rs671531, rs675026, rs678122, rs681243	T
rs1853384	OPRM1	6	154,466,651	C	T	0.347	1.000	flanking 3'UTR	NA	rs505340, rs548339, rs548646, rs562859, rs581439, rs582924, rs598160, rs604844, rs612512, rs613355, rs618207, rs619089, rs632457, rs632499, rs648007, rs658156, rs660756, rs671531, rs675026, rs678122, rs681243	T
rs623956	OPRM1	6	154,471,718	A	G	0.247	0.909	flanking 5'UTR	NA	NA	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs504932	OPRM1	6	154,472,161	A	G	0.245	0.998	flanking 5'UTR	NA	rs13194785, rs1323043, rs485399, rs497315, rs497976, rs538174, rs540825, rs550014, rs558025, rs558948, rs583664, rs598682, rs606545, rs609148, rs633387, rs636572, rs639855, rs642489, rs644261, rs647192, rs648893, rs650825, rs656905, rs676252, rs677830, rs680787	T
rs609148	OPRM1	6	154,472,707	G	A	0.245	1.000	flanking 5'UTR	NA	rs1323043, rs497315, rs497976, rs504932, rs540825, rs550014, rs558025, rs558948, rs583664, rs598682, rs606545, rs633387, rs639855, rs642489, rs644261, rs647192, rs648893, rs650825, rs656905, rs676252, rs677830, rs680787	T
rs606148	OPRM1	6	154,477,679	C	A	0.101	1.000	flanking 5'UTR	NA	rs613341, rs664247, rs6923231	T
rs632395	OPRM1	6	154,478,944	G	A	0.102	1.000	flanking 5'UTR	NA	rs10485057, rs511420, rs544093, rs556716, rs590761, rs599945, rs613341, rs616585, rs617648, rs620496, rs625109, rs628618, rs636433, rs645189, rs649840, rs664247, rs9479756, rs9479757	T
rs648893	OPRM1	6	154,480,321	A	G	0.245	0.995	flanking 5'UTR	NA	rs13194785, rs1323043, rs485399, rs497315, rs497976, rs504932, rs538174, rs540825, rs550014, rs558025, rs558948, rs583664, rs598682, rs606545, rs609148, rs633387, rs636572, rs639855, rs642489, rs644261, rs647192, rs650825, rs656905, rs676252, rs677830, rs680787	T
rs1323041	OPRM1	6	154,480,873	G	A	0.482	0.998	flanking 5'UTR	NA	rs1323042, rs9322447	T
rs512053	OPRM1	6	154,481,209	G	T	0.085	1.000	flanking 5'UTR	NA	rs679987	T
rs642489	OPRM1	6	154,484,368	G	T	0.245	1.000	flanking 3'UTR	NA	rs1323043, rs497315, rs497976, rs504932, rs540825, rs550014, rs558025, rs558948, rs583664, rs598682, rs606545, rs609148, rs633387, rs639855, rs644261, rs647192, rs648893, rs650825, rs656905, rs676252, rs677830, rs680787	T
rs613341	OPRM1	6	154,484,971	C	T	0.096	1.000	flanking 3'UTR	NA	rs10485057, rs511420, rs544093, rs556716, rs590761, rs599945, rs606148, rs616585, rs617648, rs620496, rs625109, rs628618, rs632395, rs636433, rs645189, rs664247, rs6923231, rs9479756, rs9479757	T
rs10485058	OPRM1	6	154,486,907	A	G	0.145	0.993	flanking 3'UTR	NA	rs9478506	T
rs613355	OPRM1	6	154,491,542	A	C	0.348	1.000	flanking 3'UTR	NA	rs1853384, rs505340, rs548339, rs548646, rs562859, rs581439, rs582924, rs598160, rs604844, rs612512, rs618207, rs619089, rs632457, rs632499, rs648007, rs658156, rs660756, rs671531, rs678122, rs681243	T
rs1561289	POMC	2	25,222,544	C	T	0.247	1.000	flanking 3'UTR	NA	rs10180231, rs10188516, rs1561288, rs2118404, rs6713532, rs7605927	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs13428823	POMC	2	25,226,802	A	G	0.374	0.998	flanking 3'UTR	NA	rs1866146	T
rs3795955	POMC	2	25,228,609	C	T	0.253	0.986	flanking 3'UTR	NA	NA	T
rs2164808	POMC	2	25,230,680	C	T	0.406	1.000	flanking 3'UTR	Y1067Y (XP_039733)	NA	T
rs2118404	POMC	2	25,230,833	C	T	0.245	1.000	flanking 3'UTR	NA	rs10180231, rs10188516, rs1561288, rs1561289, rs6713532, rs7605927	T
rs7589318	POMC	2	25,231,876	G	A	0.281	0.998	flanking 3'UTR	NA	NA	T
rs1866146	POMC	2	25,234,077	A	G	0.344	1.000	flanking 3'UTR	NA	rs13428823	T
rs12473543	POMC	2	25,240,685	T	G	0.216	0.998	intron	NA	NA	T
rs934778	POMC	2	25,242,728	A	G	0.329	1.000	intron	NA	NA	T
rs3769671	POMC	2	25,243,657	A	C	0.047	0.988	intron	NA	NA	NA
rs6545976	POMC	2	25,248,154	G	T	0.053	1.000	flanking 5'UTR	NA	rs6719226	T
rs4665775	POMC	2	25,260,625	A	G	0.206	0.964	flanking 5'UTR	NA	rs4665771, rs4665773, rs4665774, rs874401	T
rs12453682	PPP1R1B	17	35,023,531	T	C	0.319	1.000	flanking 5'UTR	NA	rs1874228	T
rs1877032	PPP1R1B	17	35,024,590	T	C	0.082	0.918	flanking 5'UTR	NA	NA	G
rs1874228	PPP1R1B	17	35,028,800	G	A	0.271	0.986	flanking 5'UTR	NA	rs12453682, rs9915323, rs9972882	T
rs879606	PPP1R1B	17	35,035,375	G	A	0.186	1.000	flanking 5'UTR	NA	rs2271309, rs3764352, rs907094	T
rs1495099	PPP1R1B	17	35,037,990	G	C	0.304	0.983	flanking 5'UTR	NA	NA	T
rs907094	PPP1R1B	17	35,043,897	A	G	0.252	1.000	intron	NA	rs2271309, rs3764352, rs879606	T
rs1874224	PPP1R1B	17	35,049,186	T	G	0.016	1.000	intron	NA	NA	NA
rs9892427	PPP1R1B	17	35,058,384	T	C	0.076	1.000	intron	NA	NA	T
rs9972882	PPP1R1B	17	35,061,224	C	A	0.266	1.000	intron	NA	rs1874228, rs9915323	T
rs10227616	PRKAR2B	7	106,462,434	C	A	0.333	1.000	flanking 5'UTR	NA	rs2237648, rs2395833, rs6957586, rs758943	T
rs1544582	PRKAR2B	7	106,475,074	A	G	0.469	1.000	intron	NA	rs1476878, rs1476879, rs2237650, rs2244846, rs2536492, rs2536495, rs997381	T
rs2237649	PRKAR2B	7	106,481,518	G	A	0.466	0.998	intron	NA	rs1476879	T
rs1476879	PRKAR2B	7	106,485,977	T	A	0.468	1.000	intron	NA	rs1476878, rs1544582, rs2237649, rs2237650, rs2244846, rs2536492, rs2536495, rs997381	T
rs6957586	PRKAR2B	7	106,489,869	A	G	0.333	0.998	intron	NA	rs10227616, rs2237648, rs2395833, rs758943	T
rs11766415	PRKAR2B	7	106,496,001	A	G	0.428	1.000	intron	NA	rs3801969	T
rs3801969	PRKAR2B	7	106,498,728	G	T	0.453	1.000	intron	NA	rs11766415	T
rs2536503	PRKAR2B	7	106,501,051	G	A	0.125	1.000	intron	NA	rs2536505	T
rs2536504	PRKAR2B	7	106,501,141	C	T	0.338	1.000	intron	NA	rs2251838, rs2536501, rs2536502	T
rs6960842	PRKAR2B	7	106,502,556	C	G	0.417	1.000	intron	NA	NA	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs17340577	PRKAR2B	7	106,506,649	C	T	0.076	0.993	intron	NA	rs1004570, rs10248105, rs10261881, rs10272371, rs11760966, rs11764389, rs11767753, rs11772066, rs12055940, rs12154324, rs17153823, rs17153861, rs17340479, rs17341680, rs17425839, rs1860804, rs1860805, rs2191917, rs2237653, rs2250121, rs2536490, rs3752645, rs6960708, rs7778076, rs7786692, rs8180787	T
rs2299419	PRKAR2B	7	106,506,772	T	C	0.086	1.000	intron	NA	rs10249401, rs2707374, rs9656135	T
rs2251838	PRKAR2B	7	106,507,403	A	G	0.345	0.998	intron	NA	rs2536501, rs2536502, rs2536504	T
rs12154324	PRKAR2B	7	106,508,168	G	A	0.086	1.000	intron	NA	rs1004570, rs10248105, rs10261881, rs10272371, rs11760966, rs11764389, rs11767753, rs11772066, rs12055940, rs17153823, rs17153861, rs17340479, rs17340577, rs17341680, rs17425839, rs1860804, rs1860805, rs2191917, rs2237653, rs2250121, rs2536490, rs3752645, rs6960708, rs7778076, rs7786692, rs8180787	T
rs7778076	PRKAR2B	7	106,510,244	A	G	0.089	1.000	intron	NA	rs1004570, rs10248105, rs10261881, rs10272371, rs11760966, rs11764389, rs11767753, rs11772066, rs12055940, rs12154324, rs17153823, rs17153861, rs17340479, rs17340577, rs17341680, rs17425839, rs1860804, rs1860805, rs2191917, rs2237653, rs2250121, rs2536490, rs3752645, rs6960708, rs7786692, rs8180787	T
rs6466156	PRKAR2B	7	106,519,170	A	G	0.347	1.000	intron	NA	NA	T
rs6466157	PRKAR2B	7	106,519,537	T	C	0.481	1.000	intron	NA	rs12667954, rs12674011, rs12705402, rs12705403, rs2237652, rs2237654, rs2237656, rs2283037, rs2302453, rs3735613, rs7809330, rs917760, rs9648946	T
rs717099	PRKAR2B	7	106,528,174	A	G	0.464	0.998	intron	NA	rs10281856, rs13311274, rs6955387	T
rs6955387	PRKAR2B	7	106,535,275	G	C	0.388	1.000	intron	NA	rs10281856, rs13311274, rs1860803, rs3801968, rs717099	T
rs12055940	PRKAR2B	7	106,538,782	C	T	0.090	1.000	intron	NA	rs1004570, rs10248105, rs10261881, rs10272371, rs11760966, rs11764389, rs11767753, rs11772066, rs12154324, rs17153823, rs17153861, rs17340479, rs17340577, rs17341680, rs17425839, rs1860804, rs1860805, rs2191917, rs2237653, rs2250121, rs2536490, rs3752645, rs6960708, rs7778076, rs7786692, rs8180787	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2250121	PRKAR2B	7	106,540,484	A	G	0.091	1.000	intron	NA	rs1004570, rs10248105, rs10261881, rs10272371, rs11760966, rs11764389, rs11767753, rs11772066, rs12055940, rs12154324, rs17153823, rs17153861, rs17340479, rs17340577, rs17341680, rs17425839, rs1860804, rs1860805, rs2191917, rs2237653, rs2536490, rs3752645, rs6960708, rs7778076, rs7786692, rs8180787	T
rs2237652	PRKAR2B	7	106,547,212	T	C	0.482	1.000	intron	NA	rs12667954, rs12674011, rs12705402, rs12705403, rs2237654, rs2237656, rs2283037, rs2302453, rs3735613, rs6466157, rs7809330, rs917760, rs9648946	T
rs9656135	PRKAR2B	7	106,555,592	C	T	0.077	1.000	intron	NA	rs10249401, rs2299419, rs2707374	T
rs17153861	PRKAR2B	7	106,556,875	G	A	0.089	1.000	intron	NA	rs1004570, rs10248105, rs10261881, rs10272371, rs11760966, rs11764389, rs11767753, rs11772066, rs12055940, rs12154324, rs17153823, rs17340479, rs17340577, rs17341680, rs17425839, rs1860804, rs1860805, rs2191917, rs2237653, rs2250121, rs2536490, rs3752645, rs6960708, rs7778076, rs7786692, rs8180787	T
rs2191917	PRKAR2B	7	106,560,944	T	G	0.090	1.000	intron	NA	rs1004570, rs10248105, rs10261881, rs10272371, rs11760966, rs11764389, rs11767753, rs11772066, rs12055940, rs12154324, rs17153823, rs17153861, rs17340479, rs17340577, rs17341680, rs17425839, rs1860804, rs1860805, rs2191917, rs2237653, rs2250121, rs2536490, rs3752645, rs6960708, rs7778076, rs7786692, rs8180787	T
rs1860803	PRKAR2B	7	106,567,076	T	G	0.407	0.995	intron	NA	rs10281856, rs11760261, rs13311274, rs3801968, rs6955387	T
rs3729876	PRKAR2B	7	106,574,188	C	T	0.180	1.000	intron	NA	rs10253172, rs10253291, rs11767623, rs12705405, rs1981696, rs257373, rs257375, rs257377, rs257378, rs257382, rs257387, rs3729877, rs6466160, rs6946931, rs6947857, rs6960148, rs6977868, rs975935	T
rs6977868	PRKAR2B	7	106,577,791	G	T	0.175	1.000	intron	NA	rs10253172, rs10253291, rs11767623, rs12705405, rs1981696, rs257373, rs257375, rs257377, rs257378, rs257382, rs257387, rs3729876, rs3729877, rs3779500, rs6466160, rs6946931, rs6947857, rs6960148, rs975935	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs11767623	PRKAR2B	7	106,579,568	T	C	0.179	1.000	intron	NA	rs10253172, rs10253291, rs12705405, rs1981696, rs257373, rs257375, rs257377, rs257378, rs257382, rs257387, rs3729876, rs3729877, rs6466160, rs6946931, rs6947857, rs6960148, rs6977868, rs975935	T
rs12705406	PRKAR2B	7	106,579,790	G	A	0.126	1.000	intron	NA	rs3779500	T
rs257384	PRKAR2B	7	106,592,630	C	T	0.453	1.000	flanking 3'UTR	NA	rs2395836, rs257376	T
rs257387	PRKAR2B	7	106,595,716	G	A	0.176	1.000	flanking 5'UTR	NA	rs10253172, rs10253291, rs11767623, rs12705405, rs1981696, rs257373, rs257375, rs257377, rs257378, rs257382, rs3729876, rs3729877, rs6466160, rs6946931, rs6947857, rs6960148, rs6977868, rs975935	T
rs760973	PRKCABP	22	36,777,212	A	C	0.438	1.000	flanking 5'UTR	NA	rs4384887, rs4821731, rs4821733, rs5756890, rs742395	T
rs4821733	PRKCABP	22	36,779,340	A	G	0.436	1.000	flanking 5'UTR	NA	rs2018980, rs2076369, rs2076370, rs4384887, rs4821731, rs4821735, rs5756890, rs6000991, rs738443, rs742395, rs742396, rs760973	T
rs737662	PRKCABP	22	36,782,311	C	G	0.305	0.986	flanking 5'UTR	NA	NA	T
rs3952	PRKCABP	22	36,786,544	A	G	0.314	1.000	intron	NA	rs3026685, rs3948	T
rs2076370	PRKCABP	22	36,793,914	G	A	0.390	0.988	intron	NA	rs1004764, rs2018980, rs2076369, rs4821733, rs4821735, rs6000991, rs738443, rs742396	T
rs760975	PRKCABP	22	36,797,730	C	G	0.393	0.993	intron	NA	NA	T
rs7289911	PRKCABP	22	36,798,578	G	A	0.028	1.000	intron	NA	NA	NA
rs2012859	PRKCABP	22	36,803,652	G	A	0.299	0.998	flanking 3'UTR	NA	rs13053681, rs3026688	T
rs2076371	PRKCABP	22	36,804,642	G	A	0.295	1.000	coding	V405A (NP_037488)	NA	T
rs1004764	PRKCABP	22	36,804,798	A	G	0.393	0.998	intron	NA	rs2018980, rs2076369, rs2076370, rs4821735, rs6000991, rs738443, rs742396	T
rs2076372	PRKCABP	22	36,804,911	C	T	0.257	0.995	intron	NA	NA	T
rs8135665	PRKCABP	22	36,806,222	C	T	0.200	0.988	intron	NA	NA	G
rs5756908	PRKCABP	22	36,806,525	C	T	0.480	1.000	intron	NA	rs2235573	T
rs2267366	PRKCABP	22	36,810,605	T	C	0.163	1.000	flanking 3'UTR	NA	NA	T
rs27074	SLC6A3	5	1,436,550	C	T	0.108	1.000	flanking 3'UTR	NA	NA	T
rs11133762	SLC6A3	5	1,444,161	C	T	0.011	0.995	flanking 3'UTR	NA	NA	NA
rs10064525	SLC6A3	5	1,445,721	T	G	0.063	0.990	flanking 3'UTR	NA	NA	T
rs40184	SLC6A3	5	1,448,077	C	T	0.461	0.993	intron	NA	NA	T
rs11564767	SLC6A3	5	1,457,704	A	T	0.064	1.000	intron	NA	rs11564764, rs11564765, rs6869645, rs6876225	T
rs11564764	SLC6A3	5	1,458,806	C	T	0.054	1.000	intron	NA	rs11564765, rs11564767, rs11564772, rs6869645, rs6876225	T

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SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs3776511	SLC6A3	5	1,460,129	C	T	0.207	0.940	intron	NA	rs3776512, rs8179029	G
rs6347	SLC6A3	5	1,464,412	T	C	0.267	0.978	coding	S405S (NP_001035)	NA	G
rs37022	SLC6A3	5	1,468,629	A	T	0.148	0.998	intron	NA	NA	T
rs10040882	SLC6A3	5	1,471,558	C	T	0.227	0.986	intron	NA	rs10052016, rs10053602, rs2042449	T
rs2975292	SLC6A3	5	1,472,932	G	C	0.345	0.935	intron	NA	NA	G
rs458334	SLC6A3	5	1,483,093	A	G	0.423	1.000	intron	NA	rs250681, rs250686, rs37020, rs420422, rs464049	T
rs456082	SLC6A3	5	1,483,515	A	G	0.188	0.990	intron	NA	rs250682, rs393795, rs409588, rs456774, rs458860, rs460000, rs460700, rs463379, rs464061	T
rs11737901	SLC6A3	5	1,483,616	C	T	0.335	0.998	intron	NA	rs1048953, rs11564758, rs4975646	T
rs409588	SLC6A3	5	1,483,834	G	T	0.187	1.000	intron	NA	rs250682, rs393795, rs456082, rs456774, rs458860, rs460000, rs460700, rs463379, rs464061	T
rs4975646	SLC6A3	5	1,486,401	G	A	0.357	1.000	intron	NA	rs11564758, rs11737901, rs13161905	T
rs403636	SLC6A3	5	1,491,354	C	A	0.169	1.000	intron	NA	rs40358	T
rs6350	SLC6A3	5	1,496,199	G	A	0.060	1.000	coding	N38N (NP_001035)	NA	T
rs11564753	SLC6A3	5	1,496,990	C	T	0.205	1.000	intron	NA	NA	T
rs11564752	SLC6A3	5	1,497,985	C	A	0.057	0.942	intron	NA	NA	T
rs2975226	SLC6A3	5	1,498,616	T	A	0.389	0.909	flanking 5'UTR	NA	NA	T
rs2652511	SLC6A3	5	1,499,389	G	A	0.387	0.988	flanking 5'UTR	NA	NA	T
rs6413429	SLC6A3	5	1,500,027	C	A	0.060	1.000	flanking 5'UTR	NA	NA	T
rs2652510	SLC6A3	5	1,500,860	T	C	0.398	0.995	flanking 5'UTR	NA	NA	T
rs3756450	SLC6A3	5	1,501,148	A	G	0.110	1.000	flanking 5'UTR	NA	rs12654851	T
rs12652860	SLC6A3	5	1,506,772	C	A	0.284	1.000	flanking 3'UTR	NA	NA	T
rs356219	SNCA	4	90,856,624	A	G	0.375	1.000	flanking 3'UTR	NA	rs356165, rs356220	T
rs11931074	SNCA	4	90,858,538	G	T	0.084	1.000	flanking 3'UTR	NA	rs6532190, rs10003708, rs10033209, rs10516845, rs11944331, rs17016071, rs17016188, rs17016193, rs17016235, rs3756054, rs3775423, rs3822090, rs3857051, rs3857052, rs3857057, rs3857059, rs4031753, rs6834765, rs7436973, rs7655792, rs7661330, rs7675290, rs7681312, rs7681815, rs7690873, rs8180209, rs8180214, rs894278	T
rs356220	SNCA	4	90,860,363	C	T	0.355	0.837	flanking 3'UTR	NA	rs356168, rs2736990, rs356165, rs356200, rs356204, rs356219, rs356221	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs10003708	SNCA	4	90,862,074	C	A	0.084	1.000	flanking 3'UTR	NA	rs6532190, rs10033209, rs10516845, rs11931074, rs11944331, rs17016071, rs17016188, rs17016193, rs17016235, rs3756054, rs3775423, rs3822090, rs3857051, rs3857052, rs3857057, rs3857059, rs4031753, rs6834765, rs7436973, rs7655792, rs7661330, rs7675290, rs7681312, rs7681815, rs7690873, rs8180209, rs8180214, rs894278	T
rs168552	SNCA	4	90,862,167	T	C	0.290	0.995	flanking 3'UTR	NA	rs2572324, rs356222	T
rs3857051	SNCA	4	90,862,720	A	G	0.084	1.000	flanking 3'UTR	NA	rs6532190, rs10003708, rs10033209, rs10516845, rs11931074, rs11944331, rs17016071, rs17016193, rs17016235, rs3756054, rs3775423, rs3822090, rs3857052, rs3857057, rs3857059, rs4031753, rs6834765, rs7436973, rs7655792, rs7661330, rs7675290, rs7681312, rs7681815, rs7690873, rs8180209, rs8180214, rs894278	T
rs356165	SNCA	4	90,865,909	A	G	0.402	0.945	3'UTR	NA	rs356168, rs2736990, rs356200, rs356204, rs356219, rs356220, rs356221	G
rs10033209	SNCA	4	90,872,727	T	G	0.084	0.995	intron	NA	rs6532190, rs10003708, rs10516845, rs11931074, rs11944331, rs17016071, rs17016193, rs17016235, rs3756054, rs3775423, rs3822090, rs3857051, rs3857052, rs3857057, rs3857059, rs4031753, rs6834765, rs7436973, rs7655792, rs7661330, rs7675290, rs7681312, rs7681815, rs7690873, rs8180209, rs8180214, rs894278	T
rs3775423	SNCA	4	90,876,514	C	T	0.083	0.998	intron	NA	rs6532190, rs10003708, rs10033209, rs10516845, rs11931074, rs11944331, rs17016071, rs17016188, rs17016193, rs17016235, rs3756054, rs3822090, rs3857051, rs3857052, rs3857057, rs3857059, rs4031753, rs6834765, rs7436973, rs7655792, rs7661330, rs7675290, rs7681312, rs7681815, rs7690873, rs8180209, rs8180214, rs894278	T
rs356204	SNCA	4	90,882,565	C	T	0.432	0.938	intron	NA	rs356168, rs2736990, rs2737029, rs356165, rs356200, rs356220, rs356221	T
rs356203	SNCA	4	90,885,064	T	C	0.376	1.000	intron	NA	NA	T
rs356168	SNCA	4	90,893,454	A	G	0.457	1.000	intron	NA	rs2736990, rs2737029, rs356165, rs356200, rs356204, rs356220, rs356221	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs356198	SNCA	4	90,901,527	C	T	0.204	0.998	intron	NA	rs10011157, rs1442144, rs1471484, rs1811442, rs1837891, rs2197120, rs2572318, rs2583968, rs2583975, rs2583978, rs2619349, rs2619355, rs2619368, rs2737025, rs3113355, rs356188, rs356191, rs972880	T
rs6834765	SNCA	4	90,903,013	T	C	0.079	1.000	intron	NA	rs6532190, rs10003708, rs10033209, rs10516845, rs11931074, rs11944331, rs17016071, rs17016188, rs17016193, rs17016235, rs3756054, rs3775423, rs3822090, rs3857051, rs3857052, rs3857057, rs3857059, rs4031753, rs7436973, rs7655792, rs7661330, rs7675290, rs7681312, rs7681815, rs7690873, rs8180209, rs8180214, rs894278	T
rs356164	SNCA	4	90,912,499	C	G	0.162	1.000	intron	NA	rs356186	T
rs3822090	SNCA	4	90,923,899	C	T	0.126	1.000	intron	NA	rs6532190, rs10003708, rs10033209, rs10516845, rs11931074, rs17016071, rs17016193, rs17016235, rs3756054, rs3775423, rs3775439, rs3857051, rs3857052, rs3857057, rs3857059, rs4031753, rs6834765, rs7436973, rs7655792, rs7661330, rs7675290, rs7681312, rs7681815, rs7690873, rs8180209, rs8180214, rs894278	T
rs2737033	SNCA	4	90,926,970	T	C	0.273	1.000	intron	NA	rs13148411, rs1442146, rs1442147, rs2583958, rs2583959, rs2583965, rs2583966, rs2583969, rs2583970, rs2583971, rs2583973, rs2583974, rs2583977, rs2583980, rs2583981, rs2583983, rs2583984, rs2583985, rs2583987, rs2619350, rs2619353, rs2619354, rs2619358, rs2619360, rs2619361, rs2619364, rs2619367, rs2619371, rs2619373, rs2736995, rs2736998, rs2736999, rs2737000, rs2737001, rs2737006, rs2737008, rs2737009, rs2737012, rs2737013, rs2737014, rs2737015, rs2737022, rs2737023, rs2737024, rs356163, rs356184, rs356187, rs356189, rs356192, rs356195, rs986609, rs986610, rs990088	T
rs2737029	SNCA	4	90,930,793	T	C	0.399	1.000	intron	NA	rs356168, rs2736990, rs356200, rs356204, rs356221	T
rs10002435	SNCA	4	90,931,534	G	A	0.113	0.998	intron	NA	rs10014396	T
rs3775443	SNCA	4	90,934,697	T	G	0.062	1.000	intron	NA	rs17016190	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs6532190	SNCA	4	90,938,219	A	T	0.064	1.000	intron	NA	rs10003708, rs10033209, rs10516845, rs11931074, rs11944331, rs17016071, rs17016188, rs17016193, rs17016235, rs17016274, rs3756054, rs3775423, rs3822090, rs3857051, rs3857052, rs3857057, rs3857059, rs4031753, rs6834765, rs7436973, rs7655792, rs7661330, rs7675290, rs7681312, rs7681815, rs7690873, rs8180209, rs8180214, rs894278	T
rs2583958	SNCA	4	90,939,388	T	C	0.272	1.000	intron	NA	rs13148411, rs1442146, rs1442147, rs2028535, rs2583959, rs2583965, rs2583966, rs2583969, rs2583970, rs2583971, rs2583973, rs2583974, rs2583977, rs2583980, rs2583981, rs2583983, rs2583984, rs2583985, rs2583987, rs2619350, rs2619353, rs2619354, rs2619358, rs2619360, rs2619361, rs2619364, rs2619367, rs2619371, rs2619373, rs2736995, rs2736998, rs2736999, rs2737000, rs2737001, rs2737006, rs2737008, rs2737009, rs2737012, rs2737013, rs2737014, rs2737015, rs2737022, rs2737023, rs2737024, rs2737033, rs356163, rs356184, rs356189, rs356192, rs356195, rs986609, rs986610, rs990088	T
rs17016188	SNCA	4	90,940,903	T	C	0.064	1.000	intron	NA	rs6532190, rs10003708, rs10516845, rs11931074, rs11944331, rs17016071, rs17016193, rs17016235, rs3756054, rs3775423, rs3857052, rs3857057, rs3857059, rs4031753, rs6834765, rs7436973, rs7655792, rs7661330, rs7675290, rs7681312, rs7681815, rs7690873, rs8180209, rs8180214, rs894278	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2619373	SNCA	4	90,941,456	G	A	0.272	1.000	intron	NA	rs13148411, rs1442146, rs1442147, rs2028535, rs2583958, rs2583959, rs2583965, rs2583966, rs2583969, rs2583970, rs2583971, rs2583973, rs2583974, rs2583977, rs2583980, rs2583981, rs2583983, rs2583984, rs2583985, rs2583987, rs2619350, rs2619353, rs2619354, rs2619358, rs2619360, rs2619361, rs2619364, rs2619367, rs2619371, rs2736995, rs2736998, rs2736999, rs2737000, rs2737001, rs2737006, rs2737008, rs2737009, rs2737012, rs2737013, rs2737014, rs2737015, rs2737022, rs2737023, rs2737024, rs2737033, rs356163, rs356184, rs356189, rs356192, rs356195, rs986609, rs986610, rs990088	T
rs17016190	SNCA	4	90,941,855	A	G	0.062	1.000	intron	NA	rs3775443	T
rs961386	SNCA	4	90,951,826	A	T	0.013	1.000	intron	NA	NA	NA
rs3822095	SNCA	4	90,955,540	T	C	0.371	1.000	intron	NA	rs10009760, rs10155475, rs11097234, rs11097238, rs12502363, rs2119787, rs2870028, rs3796664, rs3910104, rs6848726, rs7356228, rs765517, rs7678651	T
rs2619372	SNCA	4	90,955,750	G	A	0.294	1.000	intron	NA	rs1442143, rs1837890, rs2619349, rs2737020, rs972880	T
rs1812923	SNCA	4	90,958,562	C	A	0.434	1.000	intron	NA	rs10005233, rs1471483, rs6532191, rs7681440, rs974711	T
rs2737020	SNCA	4	90,959,901	A	G	0.294	1.000	intron	NA	rs1442143, rs1837890, rs2619349, rs2619372, rs972880	T
rs7356228	SNCA	4	90,962,878	C	G	0.371	0.998	intron	NA	rs10009760, rs10155475, rs11097234, rs11097238, rs12502363, rs2119787, rs2870028, rs3796664, rs3822095, rs3910104, rs6848726, rs765517, rs7678651	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs2737015	SNCA	4	90,964,306	T	C	0.270	1.000	intron	NA	rs13148411, rs1442146, rs1442147, rs2028535, rs2583958, rs2583959, rs2583965, rs2583966, rs2583969, rs2583970, rs2583971, rs2583973, rs2583974, rs2583977, rs2583980, rs2583981, rs2583983, rs2583984, rs2583985, rs2583987, rs2583988, rs2619350, rs2619353, rs2619354, rs2619358, rs2619360, rs2619361, rs2619364, rs2619367, rs2619371, rs2619373, rs2736995, rs2736998, rs2736999, rs2737000, rs2737001, rs2737006, rs2737008, rs2737009, rs2737012, rs2737013, rs2737014, rs2737022, rs2737023, rs2737024, rs2737033, rs356163, rs356184, rs356189, rs356192, rs356195, rs986609, rs986610, rs990088	T
rs3113355	SNCA	4	90,964,368	T	A	0.233	1.000	intron	NA	rs356198, rs10011157, rs1442144, rs1471484, rs1811442, rs1837891, rs2197120, rs2572318, rs2583968, rs2583975, rs2583978, rs2619349, rs2619355, rs2619368, rs2737025, rs356188, rs356191, rs972880	T
rs6532191	SNCA	4	90,964,953	C	T	0.496	1.000	intron	NA	rs1812923, rs10005233, rs1372522, rs1471483, rs2301134, rs7681440, rs7687945, rs974711	T
rs2583975	SNCA	4	90,967,511	C	T	0.225	1.000	intron	NA	rs356198, rs10011157, rs1442144, rs1471484, rs1811442, rs1837891, rs2197120, rs2572318, rs2583968, rs2583978, rs2619349, rs2619355, rs2619368, rs2737025, rs3113355, rs356186, rs356188, rs356191, rs972880	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs13148411	SNCA	4	90,969,745	A	G	0.271	1.000	flanking 5'UTR	NA	rs1442146, rs1442147, rs2028535, rs2583958, rs2583959, rs2583965, rs2583966, rs2583969, rs2583970, rs2583971, rs2583973, rs2583974, rs2583977, rs2583980, rs2583981, rs2583983, rs2583984, rs2583985, rs2583987, rs2583988, rs2619350, rs2619353, rs2619354, rs2619358, rs2619360, rs2619361, rs2619364, rs2619367, rs2619371, rs2619373, rs2736995, rs2736998, rs2736999, rs2737000, rs2737001, rs2737006, rs2737008, rs2737009, rs2737012, rs2737013, rs2737014, rs2737015, rs2737022, rs2737023, rs2737024, rs2737033, rs356163, rs356184, rs356189, rs356192, rs356195, rs986609, rs986610, rs990088	T
rs10011157	SNCA	4	90,969,867	T	C	0.231	0.995	flanking 5'UTR	NA	rs356198, rs1372519, rs1442144, rs1471484, rs1811442, rs1837891, rs2197120, rs2572318, rs2583968, rs2583975, rs2583978, rs2619349, rs2619355, rs2619368, rs2737025, rs3113355, rs356188, rs356191, rs972880	T
rs2583981	SNCA	4	90,971,605	A	T	0.271	1.000	flanking 5'UTR	NA	rs13148411, rs1442146, rs1442147, rs2028535, rs2583958, rs2583959, rs2583965, rs2583966, rs2583969, rs2583970, rs2583971, rs2583973, rs2583974, rs2583977, rs2583980, rs2583983, rs2583984, rs2583985, rs2583987, rs2583988, rs2619350, rs2619353, rs2619354, rs2619358, rs2619360, rs2619361, rs2619364, rs2619367, rs2619371, rs2619373, rs2736995, rs2736998, rs2736999, rs2737000, rs2737001, rs2737006, rs2737008, rs2737009, rs2737012, rs2737013, rs2737014, rs2737015, rs2737022, rs2737023, rs2737024, rs2737033, rs356163, rs356184, rs356189, rs356192, rs356195, rs986609, rs986610, rs990088	T
rs2301134	SNCA	4	90,977,968	A	G	0.490	1.000	flanking 5'UTR	NA	rs10005233, rs1372522, rs1471483, rs6532191, rs7681440, rs7687945	T
rs3775085	TDO2	4	157,042,829	A	C	0.101	1.000	flanking 5'UTR	NA	rs10857287, rs13125676, rs3755907, rs3796551	T
rs3755910	TDO2	4	157,044,050	C	A	0.028	1.000	flanking 5'UTR	NA	NA	NA
rs2271537	TDO2	4	157,049,273	C	A	0.491	0.911	intron	NA	rs11723579	T

Supplemental Table 3: SNP Information

SNP	Gene	Chr	Position	Major Allele	Minor Allele	MAF ^a	Call Rate ^b	Chromosomal Location ^c	Amino Acid Change ^d	LD Bin ($r^2 > 0.80$) ^e	Analysis Sample ^f
rs10517626	TDO2	4	157,050,894	G	T	0.103	1.000	intron	NA	rs10020753, rs12502494, rs13120854, rs13152449, rs13434811	T
rs2878125	TDO2	4	157,053,811	G	A	0.121	1.000	intron	NA	rs12502494, rs6817205	T
rs13152449	TDO2	4	157,055,252	A	G	0.101	1.000	intron	NA	rs10020753, rs10517626, rs12502494, rs13120854, rs13434811	T
rs11723579	TDO2	4	157,057,151	A	T	0.483	1.000	intron	NA	rs2271537	T
rs2292537	TDO2	4	157,058,912	T	C	0.095	1.000	intron	NA	rs13128945	T
rs2292536	TDO2	4	157,059,101	A	T	0.465	0.995	intron	NA	rs9044	T
rs6856558	TDO2	4	157,059,403	C	T	0.387	1.000	intron	NA	rs11946572	T
rs9044	TDO2	4	157,065,537	G	A	0.499	1.000	3'UTR	NA	rs2292536	T
rs6856354	TDO2	4	157,068,548	A	C	0.350	0.998	intron	NA	NA	T
rs1004446	TH	11	2,126,719	G	A	0.376	1.000	flanking 3'UTR	NA	NA	T
rs7924316	TH	11	2,130,023	G	T	0.481	0.995	flanking 3'UTR	NA	NA	T
rs3842748	TH	11	2,137,971	G	C	0.217	0.988	intron	NA	NA	G
rs2070762	TH	11	2,142,911	G	A	0.495	0.998	intron	NA	NA	T
rs6356	TH	11	2,147,527	C	T	0.364	0.998	coding	V108M (NP_954987)	NA	T
rs10770140	TH	11	2,150,173	T	C	0.396	0.983	flanking 5'UTR	NA	rs10770141, rs10840495, rs10743152, rs7119275	G
rs10770141	TH	11	2,150,416	G	A	0.390	0.995	flanking 5'UTR	NA	rs10840495, rs10743152, rs10770140, rs7119275	T
rs10743149	TH	11	2,150,751	C	T	0.144	1.000	flanking 5'UTR	NA	NA	T
rs10840495	TH	11	2,152,413	G	A	0.375	0.892	flanking 5'UTR	NA	rs10770141, rs10743152, rs10770140, rs7119275	T
rs11042978	TH	11	2,154,994	G	T	0.480	1.000	flanking 5'UTR	NA	rs4930046	T
rs6578993	TH	11	2,157,739	C	T	0.144	1.000	flanking 5'UTR	NA	rs11042982, rs11043001	T
rs11043001	TH	11	2,159,621	G	A	0.150	1.000	flanking 5'UTR	NA	rs6578993	T
rs11043003	TH	11	2,159,730	T	C	0.257	1.000	flanking 5'UTR	NA	rs11043016, rs11564705, rs11564707, rs7129483	T
rs11043016	TH	11	2,162,603	T	C	0.260	0.995	flanking 5'UTR	NA	rs11043003, rs11564705, rs11564707, rs7129483	T
rs11564703	TH	11	2,163,785	A	G	0.412	0.998	flanking 5'UTR	NA	rs11043007, rs7396243	T

^a Minor allele frequencies and ^b SNP call rates were calculated using subjects in our study sample. We chose SNPs lying within the region 10kb upstream and downstream of each gene of interest. HapMap places some of these SNPs outside of our actual gene of interest, within flanking genes. ^c The chromosomal location is a SNP's position relative to its respective HapMap gene, not necessarily the gene of interest. ^d If applicable, amino acid changes by a SNP are for the HapMap gene. ^e These are all the HapMap SNPs within a given region that can be captured by their respective SNP at a minimum r^2 threshold of 0.80. "NA" indicates a singleton. The majority of subjects were genotyped from genomic DNA samples. However, some were genotyped from whole genome amplified (WGA) DNA samples, a less reliable source. ^f For each SNP, all individuals were analyzed (T) if there was no discrepancy in call rates between genomic DNA and WGA DNA. However, SNPs in which there was this discrepancy were analyzed using only genomic DNA samples (G). Monomorphic SNPs and SNPs with MAFs less than 0.05 were not analyzed and indicated by NA.