

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction		
						Likelihood ratio test		Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P								
rs157198	EPB41	1	Male	0.09	385	1.22 (0.71-2.08)	0.48	0.94	1.26 (0.34-4.72)	2.09 (0.78-5.57)	0.77 (0.24-2.42)	1.02 (0.34-3.08)	0.58	0.99	
			Female	0.08	401	0.69 (0.33-1.43)	0.30	0.98	0.69 (0.15-3.10)	NA	0.60 (0.08-4.66)	3.00 (0.96-9.36)	1.71 × 10 <sup>-3</sup>	0.02	
rs157220	EPB41	1	Male	0.36	383	1.42 (0.99-2.03)	0.05	0.38	2.05 (0.95-4.42)	1.51 (0.82-2.79)	1.84 (0.91-3.69)	0.52 (0.21-1.28)	0.09	0.50	
			Female	0.38	401	1.08 (0.75-1.55)	0.67	1.00	0.80 (0.36-1.75)	1.15 (0.64-2.06)	1.66 (0.64-4.33)	1.01 (0.49-2.10)	0.69	1.00	
rs126014	EPB41	1	Male	0.37	382	1.35 (0.81-2.25)	0.25	0.83	1.46 (0.42-5.11)	2.15 (0.85-5.47)	2.14 (0.83-5.51)	0.34 (0.12-0.99)	0.04	0.31	
			Female	0.38	392	1.10 (0.66-1.85)	0.71	1.00	1.28 (0.44-3.76)	0.89 (0.37-2.11)	1.13 (0.29-4.33)	1.28 (0.46-3.61)	0.94	1.00	
rs150093	EPB41	1	Male	0.12	386	1.37 (0.82-2.29)	0.24	0.85	1.98 (0.74-5.31)	1.48 (0.61-3.58)	1.28 (0.40-4.10)	0.77 (0.23-2.63)	0.69	1.00	
			Female	0.15	403	1.12 (0.68-1.85)	0.65	1.00	0.49 (0.13-1.81)	0.94 (0.40-2.26)	1.46 (0.42-5.12)	1.96 (0.80-4.83)	0.32	0.92	
rs10915208	EPB41	1	Male	0.12	386	2.18 (1.28-3.74)	5.13 × 10 <sup>-3</sup>	0.07	2.76 (0.84-9.13)	2.04 (0.74-5.61)	2.11 (0.81-5.45)	2.01 (0.60-6.73)	0.98	1.00	
			Female	0.11	403	0.63 (0.32-1.23)	0.16	0.86	1.48 (0.42-5.19)	0.41 (0.13-1.30)	1.10 (0.26-4.65)	0.22 (0.03-1.76)	0.26	0.87	
rs203298	EPB41	1	Male	0.09	386	0.97 (0.53-1.77)	0.93	0.93	1.08 (0.29-3.94)	0.47 (0.10-2.17)	1.63 (0.64-4.14)	0.67 (0.17-2.64)	0.49	0.99	
			Female	0.08	402	0.93 (0.49-1.77)	0.82	1.00	0.66 (0.15-3.00)	1.07 (0.40-2.88)	2.23 (0.50-9.86)	0.42 (0.06-2.91)	0.50	0.98	
rs203277	EPB41	1	Male	0.28	386	1.55 (0.95-2.54)	0.08	0.48	2.22 (0.70-7.06)	2.11 (0.84-5.30)	1.68 (0.69-4.12)	0.70 (0.25-1.99)	0.38	0.96	
			Female	0.29	403	1.19 (0.72-1.97)	0.49	1.00	1.00 (0.36-2.78)	1.20 (0.52-2.78)	0.52 (0.14-1.97)	2.35 (0.81-6.83)	0.36	0.92	
rs157194	EPB41	1	Male	0.11	386	1.19 (0.67-2.13)	0.56	0.93	0.95 (0.24-3.79)	1.27 (0.45-3.58)	1.35 (0.46-4.00)	1.12 (0.32-3.97)	0.98	0.98	
			Female	0.11	403	1.15 (0.63-2.11)	0.65	1.00	0.57 (0.12-2.73)	1.23 (0.48-3.21)	0.72 (0.08-6.36)	1.83 (0.63-5.34)	0.62	1.00	
rs203278	EPB41	1	Male	0.35	386	1.44 (1.00-2.09)	0.05	0.40	1.33 (0.60-2.94)	1.03 (0.51-2.09)	2.24 (1.11-4.52)	1.33 (0.60-2.94)	0.48	0.99	
			Female	0.34	403	0.93 (0.64-1.35)	0.69	1.00	1.23 (0.57-2.68)	0.91 (0.49-1.71)	1.18 (0.47-3.01)	0.63 (0.29-1.38)	0.63	0.99	
rs157208	EPB41	1	Male	0.24	381	1.55 (1.04-2.30)	0.03	0.28	1.58 (0.67-3.71)	1.38 (0.68-2.83)	1.87 (0.91-3.85)	1.35 (0.52-3.31)	0.93	1.00	
			Female	0.23	400	0.79 (0.51-1.23)	0.29	0.98	0.82 (0.31-2.13)	0.74 (0.37-1.50)	0.80 (0.25-2.63)	0.85 (0.36-1.98)	1.00	1.00	
rs150085	EPB41	1	Male	0.28	386	1.58 (0.97-2.58)	0.07	0.44	2.22 (0.70-7.06)	2.11 (0.84-5.30)	1.77 (0.72-4.35)	0.70 (0.25-1.99)	0.37	0.96	
			Female	0.29	403	1.19 (0.72-1.97)	0.49	1.00	1.00 (0.36-2.78)	1.20 (0.52-2.78)	0.52 (0.14-1.97)	2.35 (0.81-6.83)	0.36	0.92	
rs157213	EPB41	1	Male	0.11	385	1.19 (0.66-2.12)	0.57	0.93	0.93 (0.23-3.72)	1.27 (0.45-3.59)	1.35 (0.46-4.00)	1.12 (0.32-3.97)	0.98	1.00	
			Female	0.11	402	1.17 (0.64-2.15)	0.60	1.00	0.57 (0.12-2.73)	1.30 (0.50-3.38)	0.72 (0.08-6.35)	1.83 (0.63-5.35)	0.61	0.99	
rs150089	EPB41	1	Male	0.32	386	1.48 (1.02-2.14)	0.04	0.33	1.54 (0.69-3.40)	1.13 (0.56-2.27)	2.25 (1.12-4.51)	1.11 (0.49-2.53)	0.48	0.99	
			Female	0.31	403	0.82 (0.56-1.21)	0.32	0.98	0.72 (0.31-1.67)	0.87 (0.46-1.63)	1.16 (0.42-3.15)	0.69 (0.30-1.55)	0.87	1.00	
rs12038347	EPB41	1	Male	0.11	386	2.26 (1.29-3.95)	5.02 × 10 <sup>-3</sup>	0.07	3.01 (0.90-10.06)	1.71 (0.58-5.08)	2.57 (0.95-6.96)	2.01 (0.60-6.72)	0.90	1.00	
			Female	0.10	403	0.71 (0.35-1.44)	0.33	0.98	1.47 (0.42-5.17)	0.63 (0.19-2.05)	1.29 (0.30-5.48)	NA	0.07	0.41	
rs204057	EPB41	1	Male	0.23	386	1.86 (1.14-3.03)	0.01	0.15	1.14 (0.38-3.41)	1.98 (0.80-4.91)	2.43 (0.97-6.05)	1.88 (0.66-5.36)	0.77	1.00	
			Female	0.23	401	0.83 (0.50-1.39)	0.48	1.00	0.95 (0.32-2.80)	0.76 (0.32-1.78)	0.89 (0.24-3.34)	0.81 (0.29-2.27)	0.99	1.00	
rs204060	EPB41	1	Male	0.27	386	1.48 (1.00-2.19)	0.05	0.38	2.48 (1.07-5.77)	1.92 (0.94-3.90)	1.65 (0.73-3.76)	0.50 (0.20-1.31)	0.06	0.37	
			Female	0.28	403	0.99 (0.68-1.45)	0.96	1.00	0.67 (0.29-1.53)	1.10 (0.59-2.06)	0.89 (0.32-2.42)	1.28 (0.61-2.70)	0.68	1.00	
rs2985319	EPB41	1	Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs2985322	EPB41	1	Male	0.32	386	1.48 (1.02-2.14)	0.04	0.33	1.54 (0.69-3.40)	1.13 (0.56-2.27)	2.25 (1.12-4.51)	1.11 (0.49-2.53)	0.48	0.99	
			Female	0.31	403	0.83 (0.56-1.23)	0.34	0.98	0.76 (0.33-1.74)	0.87 (0.46-1.63)	1.15 (0.42-3.15)	0.69 (0.30-1.55)	0.88	1.00	
rs2985344	EPB41	1	Male	0.28	385	1.54 (0.95-2.52)	0.08	0.50	2.22 (0.70-7.06)	2.11 (0.84-5.30)	1.65 (0.67-4.09)	0.70 (0.25-1.99)	0.39	0.96	
			Female	0.29	403	1.19 (0.72-1.97)	0.49	1.00	1.00 (0.36-2.78)	1.20 (0.52-2.78)	0.52 (0.14-1.97)	2.35 (0.81-6.83)	0.36	0.92	
rs2762682	EPB41	1	Male	0.28	386	1.58 (0.97-2.58)	0.07	0.44	2.22 (0.70-7.06)	2.11 (0.84-5.30)	1.77 (0.72-4.35)	0.70 (0.25-1.99)	0.37	0.96	
			Female	0.29	403	1.19 (0.72-1.97)	0.49	1.00	1.00 (0.36-2.78)	1.20 (0.52-2.78)	0.52 (0.14-1.97)	2.35 (0.81-6.83)	0.36	0.92	
rs12021667	EPB41	1	Male	0.40	386	0.48 (0.32-0.70)	8.25 × 10 <sup>-5</sup>	1.61 × 10 <sup>-3</sup>	0.20 (0.06-0.62)	0.53 (0.27-1.04)	0.26 (0.12-0.59)	1.33 (0.62-2.85)	7.76 × 10 <sup>-3</sup>	0.08	
			Female	0.39	403	1.16 (0.80-1.66)	0.44	1.00	1.73 (0.80-3.71)	1.02 (0.56-1.88)	1.04 (0.42-2.57)	1.01 (0.48-2.15)	0.71	0.99	
rs2762686	EPB41	1	Male	0.11	386	1.17 (0.66-2.10)	0.59	0.95	0.95 (0.24-3.79)	1.27 (0.45-3.58)	1.35 (0.46-4.00)	1.04 (0.30-3.68)	0.98	1.00	
			Female	0.11	402	1.15 (0.63-2.10)	0.65	1.00	0.56 (0.12-2.70)	1.24 (0.48-3.21)	0.72 (0.08-6.35)	1.83 (0.63-5.34)	0.61	0.99	
rs2985329	EPB41	1	Male	0.12	386	1.13 (0.64-1.99)	0.68	0.95	0.69 (0.18-2.70)	1.19 (0.42-3.33)	1.57 (0.55-4.43)	1.05 (0.30-3.68)	0.82	1.00	
			Female	0.12	402	1.20 (0.67-2.16)	0.54	1.00	0.48 (0.10-2.29)	1.16 (0.45-2.99)	0.72 (0.08-6.36)	2.43 (0.87-6.78)	0.31	0.92	
rs16837840	EPB41	1	Male	0.11	386	2.40 (1.38-4.17)	2.46 × 10 <sup>-3</sup>	0.04	3.01 (0.90-10.06)	1.71 (0.58-5.07)	2.57 (0.95-6.97)	2.62 (0.82-8.40)	0.91	1.00	
			Female	0.10	403	0.70 (0.35-1.41)	0.30	0.97	1.47 (0.42-5.17)	0.63 (0.19-2.06)	1.29 (0.30-5.49)	NA	0.06	0.36	
rs2985331	EPB41	1	Male	0.16	386	1.38 (0.82-2.30)	0.23	0.86	2.25 (0.74-6.79)	1.69 (0.64-4.43)	1.64 (0.64-4.17)	0.43 (0.11-1.65)	0.22	0.82	
			Female	0.15	402	1.08 (0.62-1.89)	0.78	1.00	1.24 (0.42-3.68)	1.79 (0.70-4.62)	0.44 (0.09-2.32)	0.81 (0.26-2.53)	0.44	0.97	
rs12072697	EPB41	1	Male	0.09	385	0.97 (0.53-1.76)	0.92	0.93	1.06 (0.29-3.88)	0.47 (0.10-2.17)	1.63 (0.64-4.14)	0.67 (0.17-2.64)	0.49	0.99	
			Female	0.09	401	0.98 (0.52-1.84)	0.96	1.00	0.64 (0.14-2.92)	1.24 (0.48-3.20)	2.21 (0.50-9.76)	0.42 (0.06-2.87)	0.45	0.97	
rs2985332	EPB41	1	Male	0.15	373	1.08 (0.63-1.87)	0.77	0.96	0.60 (0.15-2.34)	1.48 (0.56-3.90)	1.18 (0.44-3.18)	1.00 (0.28-3.55)	0.75	1.00	
			Female	0.15	395	0.98 (0.55-1.73)	0.94	1.00	0.46 (0.10-2.18)	0.99 (0.40-2.45)	0.46 (0.05-4.03)	1.82 (0.65-5.08)	0.40	0.95	
rs2985335	EPB41	1	Male	0.12	386	1.09 (0.62-1.93)	0.76	0.98	0.69 (0.18-2.70)	1.07 (0.39-2.99)	1.57 (0.56-4.43)	1.05 (0.30-3.68)	0.82	1.00	
			Female	0.12	403	1.20 (0.67-2.16)	0.54	1.00	0.49 (0.10-2.32)	1.15 (0.45-2.99)	0.72 (0.08-6.37)	2.43 (0.87-6.78)	0.32	0.92	
rs11807517	EPB41	1	Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs10915216	EPB41	1	Male	0.50	384	0.67 (0.47-0.95)	0.02	0.24	0.36 (0.15-0.90)	0.64 (0.34-1.19)	0.48 (0.24-0.95)	1.75 (0.80-3.82)	0.03	0.23	
			Female	0.49	402	1.04 (0.74-1.46)	0.83	1.00	1.79 (0.86-3.71)	0.95 (0.54-1.67)	1.07 (0.45-2.55)	0.68 (0.33-1.41)	0.30	0.91	
rs2486200	EPB41	1	Male	0.23	386	1.20 (0.73-1.95)	0.47	0.94	0.89 (0.29-2.73)	1.25 (0.50-3.13)	1.59 (0.65-3.90)	0.99 (0.34-2.88)	0.85	1.00	
			Female	0.22	402	0.97 (0.58-1.63)	0.90	1.00	0.37 (0.10-1.40)	0.89 (0.38-2.07)	1.48 (0.39-5.67)	1.71 (0.63-4.63)	0.26	0.86	
rs12027267	EPB41	1	Male	0.40	385	0.46 (0.31-0.68)	3.89 × 10 <sup>-5</sup>	7.95 × 10 <sup>-4</sup>	0.18 (0.06-0.57)	0.53 (0.27-1.04)	0.26 (0.12-0.59)	1.20 (0.57-2.55)	0.01	0.10	
			Female	0.39	403	1.17 (0.81-1.69)	0.40	0.99	1.74 (0.81-3.74)	1.00 (0.54-1.85)	1.04 (0.42-2.5				

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction					
						Likelihood ratio test			Placebo		Bupropion		Patch		Spray		Observed P	Adjusted P
						SNP OR (95% CI)	Observed P	Adjusted P	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)				
rs10798880	HCRTR1	1	Male	0.38	386	1.07 (0.75-1.54)	0.70	0.92	1.31 (0.58-3.00)	1.16 (0.61-2.22)	1.25 (0.67-2.35)	0.57 (0.24-1.37)	0.46	0.81				
			Female	0.41	403	0.75 (0.52-1.09)	0.13	0.38	0.46 (0.20-1.05)	0.72 (0.39-1.32)	0.79 (0.29-2.12)	1.21 (0.58-2.52)	0.38	0.47				
rs7546297	HCRTR1	1	Male	0.37	386	0.99 (0.60-1.63)	0.97	0.97	1.81 (0.53-6.21)	0.97 (0.38-2.46)	1.29 (0.53-3.17)	0.43 (0.15-1.24)	0.30	0.61				
			Female	0.41	403	0.70 (0.42-1.18)	0.18	0.46	0.36 (0.13-1.02)	0.59 (0.25-1.41)	1.22 (0.33-4.61)	1.31 (0.42-4.05)	0.30	0.53				
rs7524405	HCRTR1	1	Male	0.39	386	1.05 (0.64-1.74)	0.84	0.96	1.89 (0.55-6.51)	1.08 (0.42-2.80)	1.38 (0.56-3.42)	0.43 (0.15-1.23)	0.26	0.55				
			Female	0.41	402	0.66 (0.39-1.11)	0.12	0.35	0.32 (0.11-0.91)	0.59 (0.25-1.41)	1.10 (0.29-4.16)	1.23 (0.39-3.81)	0.30	0.53				
rs7539745	CHRN2	1	Male	0.13	386	1.56 (0.90-2.70)	0.12	0.53	0.61 (0.16-2.37)	3.10 (1.08-8.91)	1.37 (0.49-3.83)	1.81 (0.59-5.59)	0.28	0.45				
			Female	0.15	402	1.11 (0.64-1.93)	0.71	0.98	4.54 (1.56-13.25)	0.65 (0.24-1.79)	0.19 (0.02-1.54)	1.18 (0.40-3.49)	7.55 × 10 <sup>-3</sup>	0.03				
rs7543174	CHRN2	1	Male	0.14	386	1.32 (0.77-2.27)	0.32	0.80	0.31 (0.06-1.48)	2.20 (0.80-6.06)	1.53 (0.57-4.12)	1.71 (0.56-5.23)	0.14	0.34				
			Female	0.18	403	1.02 (0.60-1.74)	0.95	0.95	4.07 (1.41-11.75)	0.76 (0.30-1.93)	0.15 (0.02-1.22)	0.92 (0.31-2.69)	7.61 × 10 <sup>-3</sup>	0.03				
rs4845652	CHRN2	1	Male	0.09	386	1.44 (0.83-2.50)	0.20	0.72	0.22 (0.03-1.78)	2.16 (0.80-5.86)	1.44 (0.51-4.06)	2.84 (0.88-9.16)	0.07	0.23				
			Female	0.09	403	0.95 (0.51-1.77)	0.87	0.98	3.14 (0.99-9.99)	0.49 (0.15-1.64)	NA	1.22 (0.38-3.87)	0.03	0.11				
rs2072658	CHRN2	1	Male	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
rs2072659	CHRN2	1	Male	0.11	349	0.44 (0.20-0.98)	0.03	0.21	0.39 (0.05-3.37)	0.26 (0.05-1.24)	1.65 (0.45-6.05)	0.15 (0.02-1.24)	0.16	0.36				
			Female	0.10	376	0.89 (0.45-1.76)	0.74	0.98	0.33 (0.04-2.75)	1.12 (0.41-3.03)	1.46 (0.26-8.05)	0.80 (0.20-3.19)	0.67	0.83				
rs2072660	CHRN2	1	Male	0.25	382	0.57 (0.34-0.95)	0.03	0.19	0.38 (0.12-1.23)	0.20 (0.07-0.60)	1.24 (0.50-3.04)	0.92 (0.32-2.66)	0.05	0.18				
			Female	0.22	402	0.51 (0.29-0.89)	0.01	0.08	0.73 (0.24-2.27)	0.22 (0.07-0.69)	1.25 (0.34-4.52)	0.50 (0.17-1.45)	0.21	0.52				
rs2072661	CHRN2	1	Male	0.26	386	0.59 (0.35-0.97)	0.04	0.21	0.42 (0.13-1.35)	0.17 (0.06-0.52)	1.41 (0.58-3.44)	0.96 (0.33-2.78)	0.02	0.08				
			Female	0.22	403	0.51 (0.29-0.89)	0.01	0.08	0.67 (0.22-2.07)	0.22 (0.07-0.70)	1.32 (0.36-4.81)	0.53 (0.18-1.52)	0.21	0.51				
rs3811450	CHRN2	1	Male	0.08	385	0.64 (0.31-1.35)	0.23	0.72	0.59 (0.12-2.91)	0.67 (0.19-2.31)	1.08 (0.27-4.33)	0.28 (0.03-2.37)	0.75	0.75				
			Female	0.07	402	0.30 (0.10-0.87)	0.01	0.07	NA	0.15 (0.02-1.16)	1.38 (0.26-7.42)	0.30 (0.04-2.50)	0.24	0.10				
rs9616	CHRN2	1	Male	0.29	386	1.04 (0.72-1.51)	0.83	0.83	3.35 (1.24-9.08)	1.25 (0.64-2.45)	0.83 (0.42-1.62)	0.47 (0.19-1.17)	0.02	0.10				
			Female	0.27	403	1.31 (0.90-1.93)	0.17	0.57	0.71 (0.30-1.66)	1.43 (0.71-2.85)	1.44 (0.58-3.55)	1.96 (0.92-4.18)	0.33	0.60				
rs1127314	CHRN2	1	Male	0.31	386	0.88 (0.62-1.27)	0.50	0.80	0.48 (0.20-1.19)	0.66 (0.32-1.33)	1.21 (0.64-2.27)	1.38 (0.63-2.99)	0.19	0.41				
			Female	0.29	403	0.53 (0.34-0.82)	2.48 × 10 <sup>-3</sup>	0.02	0.64 (0.26-1.54)	0.34 (0.15-0.80)	1.23 (0.48-3.15)	0.41 (0.17-0.98)	0.22	0.53				
rs1127313	CHRN2	1	Male	0.46	386	0.81 (0.47-1.38)	0.43	0.82	2.99 (0.62-14.36)	0.78 (0.28-2.22)	0.91 (0.35-2.34)	0.27 (0.09-0.82)	0.07	0.24				
			Female	0.47	403	1.49 (0.83-2.68)	0.17	0.52	1.38 (0.41-4.65)	1.53 (0.56-4.22)	1.71 (0.34-8.70)	1.45 (0.49-4.25)	1.00	1.00				
rs2131902	CHRN2	1	Male	0.32	386	0.82 (0.50-1.33)	0.42	0.82	0.40 (0.13-1.22)	0.55 (0.22-1.36)	1.28 (0.52-3.15)	1.45 (0.51-4.11)	0.21	0.36				
			Female	0.30	403	0.49 (0.29-0.82)	5.66 × 10 <sup>-3</sup>	0.04	0.67 (0.24-1.86)	0.31 (0.12-0.79)	1.39 (0.38-4.99)	1.34 (0.12-9.04)	0.23	0.49				
rs3766927	CHRN2	1	Male	0.31	386	0.86 (0.53-1.39)	0.53	0.78	0.56 (0.19-1.67)	0.59 (0.24-1.46)	1.07 (0.44-2.60)	1.53 (0.54-4.33)	0.44	0.57				
			Female	0.29	403	0.45 (0.26-0.76)	2.24 × 10 <sup>-3</sup>	0.02	0.56 (0.20-1.59)	0.26 (0.10-0.71)	1.30 (0.36-4.69)	0.35 (0.13-0.99)	0.24	0.49				
rs6700238	NTRK1	1	Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
			Female	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
rs1800878	NTRK1	1	Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
			Female	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
rs1800879	NTRK1	1	Male	0.38	386	0.84 (0.59-1.20)	0.34	0.84	1.32 (0.59-2.92)	0.90 (0.47-1.73)	0.39 (0.19-0.83)	1.36 (0.62-2.97)	0.07	0.19				
			Female	0.36	403	0.70 (0.47-1.03)	0.07	0.33	1.07 (0.52-2.20)	0.76 (0.39-1.49)	0.60 (0.23-1.58)	0.40 (0.17-0.97)	0.38	0.70				
rs6334	NTRK1	1	Male	0.21	386	1.50 (0.92-2.45)	0.11	0.49	2.54 (0.82-7.83)	1.54 (0.61-3.91)	2.13 (0.86-5.24)	0.48 (0.14-1.61)	0.15	0.33				
			Female	0.23	403	1.11 (0.67-1.84)	0.69	0.99	1.06 (0.38-2.94)	1.33 (0.57-3.10)	1.49 (0.41-5.39)	0.73 (0.25-2.13)	0.81	0.81				
rs6336	NTRK1	1	Male	0.06	386	1.25 (0.61-2.55)	0.55	0.80	2.32 (0.61-8.82)	1.49 (0.45-4.98)	1.27 (0.31-5.21)	NA	0.16	0.28				
			Female	0.05	403	0.97 (0.41-2.27)	0.94	0.94	0.36 (0.05-2.79)	1.09 (0.27-4.37)	1.31 (0.14-14.42)	2.48 (0.38-16.08)	0.54	0.81				
rs2644596	NTRK1	1	Male	0.21	386	1.06 (0.69-1.64)	0.79	0.79	1.03 (0.37-3.81)	0.86 (0.38-1.96)	1.54 (0.70-3.41)	0.86 (0.33-2.24)	0.73	0.73				
			Female	0.21	403	0.97 (0.62-1.53)	0.91	1.00	1.28 (0.54-3.06)	1.11 (0.53-2.30)	1.11 (0.35-3.54)	0.51 (0.18-1.45)	0.54	0.73				
rs943551	NTRK1	1	Male	0.06	386	0.60 (0.25-1.41)	0.22	0.72	2.17 (0.50-9.42)	0.76 (0.19-3.06)	NA	0.57 (0.06-5.03)	0.05	0.16				
			Female	0.06	403	1.38 (0.67-2.80)	0.39	0.89	1.83 (0.51-6.55)	1.86 (0.57-6.11)	NA	1.18 (0.29-4.77)	0.37	0.75				
rs943552	NTRK1	1	Male	0.06	385	0.59 (0.25-1.40)	0.22	0.72	2.13 (0.49-9.27)	0.76 (0.19-3.07)	NA	0.57 (0.06-5.04)	0.05	0.16				
			Female	0.06	403	1.38 (0.67-2.80)	0.39	0.89	1.83 (0.51-6.55)	1.86 (0.57-6.11)	NA	1.18 (0.29-4.77)	0.37	0.75				
rs2768762	NTRK1	1	Male	0.21	386	1.19 (0.72-1.95)	0.50	0.86	3.60 (1.16-11.17)	1.08 (0.42-2.81)	0.72 (0.28-1.84)	0.95 (0.33-2.74)	0.16	0.32				
			Female	0.19	403	1.02 (0.60-1.73)	0.93	1.00	2.21 (0.79-6.19)	1.18 (0.49-2.87)	0.28 (0.06-1.42)	0.74 (0.24-2.28)	0.14	0.36				
rs2644620	NTRK1	1	Male	0.11	386	1.24 (0.70-2.20)	0.47	0.89	3.10 (0.92-10.40)	1.22 (0.38-3.91)	1.97 (0.74-5.24)	0.14 (0.02-1.15)	0.02	0.07				
			Female	0.13	403	0.91 (0.50-1.64)	0.75	0.99	1.87 (0.64-5.45)	1.00 (0.35-2.80)	0.45 (0.09-2.29)	0.51 (0.13-1.94)	0.35	0.74				
rs1186675	KCNJ9	1	Male	0.12	385	1.06 (0.63-1.81)	0.82	1.00	0.26 (0.03-1.23)	1.82 (0.73-4.53)	0.90 (0.35-2.28)	1.21 (0.37-3.91)	0.27	0.60				
			Female	0.12	403	1.00 (0.57-1.77)	0.99	0.99	0.91 (0.29-2.82)	1.47 (0.63-3.44)	0.39 (0.05-3.32)	0.81 (0.24-2.77)	0.61	0.78				
rs4656874	KCNJ9	1	Male	0.28	386	0.99 (0.67-1.46)	0.95	1.00	2.58 (1.15-5.76)	0.85 (0.41-1.74)	0.88 (0.39-2.00)	0.43 (0.16-1.12)	0.03	0.10				
			Female	0.30	403	0.84 (0.57-1.23)	0.36	0.81	0.66 (0.27-1.63)	0.59 (0.30-1.15)	1.08 (0.39-3.02)	1.31 (0.60-2.60)	0.36	0.74				
rs4656876	KCNJ9	1	Male	0.45	386	0.99 (0.70-1.40)	0.95	1.00	1.72 (0.79-3.72)	1.11 (0.60-2.05)	0.99 (0.50-1.93)	0.46 (0.20-1.04)	0.12	0.33				
			Female	0.47	403	0.92 (0.66-1.30)	0.65	0.95	0.80 (0.38-1.70)	0.68 (0.38-1.21)	1.05 (0.46-2.43)	1.46 (0.74-2.88)	0.37	0.68				
rs2737703	KCNJ9	1	Male	0.33	381	0.73 (0.45-1.19)	0.20	0.68	1.51 (0.47-4.83)	0.67 (0.27-1.67)	0.81 (0.33-1.97)	0.36 (0.12-1.08)	0.34	0.59				
			Female	0.35	402	0.96 (0.58-1.60)	0.89	0.99	1.27 (0.43-3.72)	0.40 (0.17-0.94)	1.48 (0.40-5.57)	2.07 (0.72-6.01)	0.07	0.22				
rs2753268	KCNJ9	1	Male	0.28	386	0.94 (0.58-1.53)	0.80	1.00	2.20 (0.69-7.00)	0.92 (0.37-2.26)	0.92 (0.37-2.29)	0.46 (0.16-1.37)	0.27	0.60				
			Female	0.29	403	0.78 (0.47-1.30)	0.34	0.80	0.73 (0.26-2.04)	0.50 (0.21-1.19)	0.87 (0.23-3.28)	1.45 (0.53-3.95)	0.46	0.71				
rs2494211	KCNJ9	1	Male	0.33	385	0.81 (0.50-1.32)	0.40	0.92	1.51 (0.47-4.83)	0.84 (0.34-2.09)	0.84 (0.35-2.06)	0.43 (0.15-1.23)	0.46	0.73				
			Female	0.35	403	0.91 (0.55-1.51)	0.73	0.96	1.20 (0.41-3.53)	0.42 (0.18-1.00)	1.06 (0.30-3.83)	1.98 (0.68-5.73)	0.16	0.36				
rs3180694	KCNJ9																	

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction					
						Likelihood ratio test			Placebo		Bupropion		Patch		Spray		Observed P	Adjusted P
						SNP OR (95% CI)	Observed P	Adjusted P	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)				
rs1150144	<i>NR4A2</i>	2	Male	0.28	386	1.02 (0.63-1.66)	0.94	0.94	0.52 (0.17-1.60)	1.83 (0.73-4.59)	0.80 (0.32-1.98)	1.19 (0.42-3.35)	0.34	0.71				
			Female	0.30	403	0.91 (0.55-1.50)	0.70	0.99	1.12 (0.40-3.12)	1.34 (0.57-3.15)	0.86 (0.23-3.23)	0.44 (0.16-1.24)	0.41	0.78				
rs12803	<i>NR4A2</i>	2	Male	0.46	386	1.22 (0.86-1.72)	0.26	0.66	0.93 (0.44-1.96)	1.63 (0.86-3.12)	0.95 (0.50-1.80)	1.55 (0.72-3.34)	0.51	0.90				
			Female	0.49	403	1.06 (0.75-1.49)	0.75	0.99	0.92 (0.44-1.91)	1.06 (0.60-1.87)	1.81 (0.67-4.94)	0.92 (0.48-1.78)	0.69	0.94				
rs13428968	<i>NR4A2</i>	2	Male	0.17	386	1.44 (0.86-2.39)	0.17	0.54	2.66 (0.85-8.28)	1.43 (0.56-3.68)	1.32 (0.52-3.32)	0.92 (0.29-2.90)	0.63	0.91				
			Female	0.18	403	1.00 (0.58-1.72)	1.00	1.00	0.97 (0.31-3.06)	0.86 (0.35-2.13)	2.07 (0.55-7.75)	0.71 (0.21-2.41)	0.65	0.94				
rs834829	<i>NR4A2</i>	2	Male	0.28	386	1.04 (0.64-1.69)	0.88	0.94	0.55 (0.18-1.68)	1.96 (0.78-4.91)	0.76 (0.31-1.91)	1.19 (0.42-3.35)	0.30	0.66				
			Female	0.30	403	0.97 (0.58-1.60)	0.89	0.99	1.42 (0.50-4.04)	1.34 (0.57-3.15)	0.90 (0.24-3.41)	0.44 (0.16-1.24)	0.33	0.68				
rs834830	<i>NR4A2</i>	2	Male	0.20	386	1.06 (0.64-1.75)	0.82	0.98	0.27 (0.07-1.05)	2.30 (0.92-5.72)	0.82 (0.31-2.13)	1.50 (0.51-4.39)	0.04	0.14				
			Female	0.22	403	0.96 (0.57-1.61)	0.88	1.00	1.16 (0.42-3.24)	1.28 (0.55-3.01)	0.90 (0.22-3.76)	0.54 (0.19-1.56)	0.62	0.94				
rs2709371	<i>CREB1</i>	2	Male	0.21	386	1.18 (0.78-1.79)	0.45	0.56	0.96 (0.33-2.82)	1.32 (0.61-2.84)	1.38 (0.67-2.84)	0.92 (0.36-2.35)	0.88	0.88				
			Female	0.18	403	1.10 (0.71-1.72)	0.67	0.96	1.29 (0.57-2.93)	0.88 (0.40-1.95)	1.86 (0.66-5.27)	0.82 (0.30-2.22)	0.62	0.91				
rs2253206	<i>CREB1</i>	2	Male	0.44	383	0.82 (0.58-1.15)	0.24	0.66	1.30 (0.59-2.88)	0.78 (0.42-1.44)	0.58 (0.30-1.10)	0.96 (0.45-2.04)	0.44	0.83				
			Female	0.48	400	0.95 (0.67-1.35)	0.77	0.94	0.84 (0.42-1.66)	1.18 (0.65-2.13)	0.41 (0.15-1.14)	1.30 (0.62-2.72)	0.24	0.62				
rs2551640	<i>CREB1</i>	2	Male	0.33	386	0.72 (0.50-1.04)	0.08	0.30	0.65 (0.27-1.53)	0.56 (0.29-1.10)	0.61 (0.30-1.22)	1.47 (0.68-3.16)	0.26	0.63				
			Female	0.36	401	0.89 (0.61-1.30)	0.56	0.96	0.71 (0.31-1.62)	0.99 (0.53-1.84)	0.42 (0.13-1.35)	1.29 (0.64-2.58)	0.35	0.76				
rs2551642	<i>CREB1</i>	2	Male	0.20	386	1.22 (0.74-2.00)	0.44	0.56	1.02 (0.33-3.15)	1.36 (0.55-3.40)	1.88 (0.76-4.66)	0.61 (0.18-2.06)	0.50	0.83				
			Female	0.18	403	1.17 (0.69-1.99)	0.55	0.96	1.61 (0.56-4.64)	1.04 (0.42-2.58)	2.00 (0.55-7.22)	0.70 (0.23-2.15)	0.59	0.89				
rs2709402	<i>CREB1</i>	2	Male	0.20	386	1.22 (0.74-2.00)	0.44	0.56	1.02 (0.33-3.15)	1.36 (0.55-3.40)	1.88 (0.76-4.66)	0.61 (0.18-2.06)	0.50	0.83				
			Female	0.18	402	1.18 (0.69-2.00)	0.54	0.95	1.61 (0.56-4.65)	1.08 (0.43-2.69)	1.90 (0.52-6.85)	0.70 (0.23-2.15)	0.62	0.91				
rs10932201	<i>CREB1</i>	2	Male	0.46	386	1.15 (0.82-1.61)	0.43	0.75	1.54 (0.68-3.50)	1.24 (0.67-2.30)	1.21 (0.64-2.28)	0.76 (0.37-1.54)	0.59	0.89				
			Female	0.46	402	1.05 (0.73-1.51)	0.80	0.80	1.25 (0.58-2.72)	1.09 (0.60-2.00)	1.13 (0.43-2.94)	0.83 (0.41-1.68)	0.88	0.88				
rs11904814	<i>CREB1</i>	2	Male	0.29	386	0.78 (0.53-1.15)	0.20	0.60	0.66 (0.26-1.66)	0.57 (0.27-1.23)	0.59 (0.29-1.22)	1.92 (0.86-4.29)	0.11	0.35				
			Female	0.32	402	0.86 (0.59-1.27)	0.45	0.92	0.56 (0.23-1.34)	1.09 (0.58-2.06)	0.49 (0.15-1.61)	1.09 (0.55-2.17)	0.40	0.81				
rs16839883	<i>CREB1</i>	2	Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
			Female	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
rs2551921	<i>CREB1</i>	2	Male	0.20	386	1.22 (0.74-2.00)	0.44	0.56	1.02 (0.33-3.15)	1.36 (0.55-3.40)	1.88 (0.76-4.66)	0.61 (0.18-2.06)	0.50	0.83				
			Female	0.18	403	1.16 (0.69-1.97)	0.58	0.96	1.61 (0.56-4.64)	1.04 (0.42-2.57)	1.90 (0.52-6.84)	0.70 (0.23-2.15)	0.61	0.90				
rs2551923	<i>CREB1</i>	2	Male	0.20	384	1.24 (0.75-2.03)	0.41	0.72	1.05 (0.34-3.26)	1.36 (0.55-3.40)	1.87 (0.76-4.64)	0.63 (0.19-2.15)	0.54	0.86				
			Female	0.18	402	1.18 (0.69-2.00)	0.54	0.95	1.61 (0.56-4.65)	1.08 (0.43-2.69)	1.90 (0.52-6.85)	0.70 (0.23-2.15)	0.62	0.91				
rs7369949	<i>CREB1</i>	2	Male	0.34	386	0.74 (0.51-1.06)	0.09	0.35	0.65 (0.27-1.53)	0.60 (0.31-1.18)	0.61 (0.30-1.22)	1.44 (0.66-3.11)	0.31	0.71				
			Female	0.36	403	0.90 (0.62-1.31)	0.58	0.96	0.70 (0.31-1.58)	0.99 (0.53-1.85)	0.44 (0.13-1.45)	1.29 (0.64-2.58)	0.38	0.80				
rs13397461	<i>CREB1</i>	2	Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
			Female	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
rs2551928	<i>CREB1</i>	2	Male	0.21	386	1.15 (0.70-1.90)	0.57	0.57	0.95 (0.31-2.93)	1.19 (0.48-2.96)	1.88 (0.76-4.66)	0.61 (0.18-2.06)	0.50	0.83				
			Female	0.18	403	1.20 (0.71-2.03)	0.49	0.93	1.61 (0.56-4.64)	1.15 (0.47-2.80)	1.90 (0.52-6.84)	0.70 (0.23-2.15)	0.63	0.81				
rs1806584	<i>CREB1</i>	2	Male	0.20	384	1.19 (0.72-1.97)	0.49	0.54	1.02 (0.33-3.17)	1.36 (0.54-3.39)	1.73 (0.69-4.34)	0.63 (0.19-2.13)	0.59	0.80				
			Female	0.18	403	1.18 (0.69-2.00)	0.55	0.95	1.61 (0.56-4.64)	1.04 (0.42-2.57)	2.03 (0.56-7.33)	0.70 (0.23-2.15)	0.58	0.88				
rs1045780	<i>CREB1</i>	2	Male	0.20	386	1.22 (0.74-2.00)	0.44	0.56	1.02 (0.33-3.15)	1.36 (0.55-3.40)	1.88 (0.76-4.66)	0.61 (0.18-2.06)	0.50	0.83				
			Female	0.18	403	1.16 (0.69-1.97)	0.58	0.96	1.61 (0.56-4.64)	1.04 (0.42-2.57)	1.90 (0.52-6.84)	0.70 (0.23-2.15)	0.61	0.90				
rs2551931	<i>CREB1</i>	2	Male	0.20	383	1.23 (0.75-2.03)	0.41	0.72	1.02 (0.33-3.16)	1.31 (0.53-3.28)	2.04 (0.81-5.14)	0.61 (0.18-2.06)	0.45	0.78				
			Female	0.18	400	1.15 (0.68-1.95)	0.61	0.96	1.55 (0.54-4.48)	1.02 (0.41-2.53)	1.89 (0.52-6.84)	0.70 (0.23-2.15)	0.63	0.82				
rs7569963	<i>CREB1</i>	2	Male	0.26	385	0.82 (0.55-1.21)	0.31	0.72	0.69 (0.27-1.73)	0.68 (0.32-1.46)	0.60 (0.28-1.29)	1.82 (0.79-4.17)	0.22	0.58				
			Female	0.30	402	0.82 (0.55-1.22)	0.32	0.80	0.62 (0.26-1.51)	1.05 (0.54-2.05)	0.37 (0.10-1.40)	0.97 (0.49-1.93)	0.44	0.82				
rs10934253	<i>DRD3</i>	3	Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
rs1385884	<i>DRD3</i>	3	Male	0.42	385	0.94 (0.66-1.34)	0.74	1.00	0.52 (0.22-1.21)	1.43 (0.73-2.78)	1.00 (0.52-1.93)	0.85 (0.41-1.75)	0.30	0.79				
			Female	0.43	403	0.74 (0.51-1.08)	0.11	0.61	0.96 (0.46-2.00)	0.78 (0.41-1.47)	0.72 (0.29-1.81)	0.53 (0.24-1.17)	0.75	0.99				
rs2087017	<i>DRD3</i>	3	Male	0.43	386	0.94 (0.66-1.33)	0.71	1.00	0.51 (0.22-1.18)	1.43 (0.73-2.78)	1.00 (0.52-1.93)	0.85 (0.41-1.75)	0.28	0.77				
			Female	0.43	403	0.74 (0.51-1.08)	0.11	0.61	0.96 (0.46-2.00)	0.78 (0.41-1.47)	0.72 (0.29-1.81)	0.53 (0.24-1.17)	0.75	0.99				
rs2399496	<i>DRD3</i>	3	Male	0.48	385	0.95 (0.66-1.61)	0.84	1.00	0.31 (0.10-0.99)	2.05 (0.67-6.22)	1.05 (0.40-2.75)	0.91 (0.30-2.77)	0.14	0.59				
			Female	0.47	403	0.71 (0.41-1.22)	0.22	0.79	1.11 (0.33-3.75)	0.94 (0.38-2.35)	0.90 (0.21-3.79)	0.31 (0.11-0.86)	0.31	0.84				
rs2134655	<i>DRD3</i>	3	Male	0.27	386	1.03 (0.70-1.52)	0.87	1.00	0.91 (0.35-2.39)	0.96 (0.46-2.01)	1.03 (0.54-1.95)	1.27 (0.55-2.93)	0.95	0.95				
			Female	0.28	403	1.02 (0.70-1.50)	0.90	0.99	0.71 (0.28-1.83)	0.77 (0.41-1.45)	1.68 (0.65-4.36)	1.43 (0.71-2.88)	0.35	0.89				
rs963468	<i>DRD3</i>	3	Male	0.39	386	0.84 (0.51-1.39)	0.50	0.99	0.22 (0.07-0.71)	1.78 (0.62-5.07)	0.92 (0.37-2.31)	1.09 (0.38-3.14)	0.05	0.26				
			Female	0.38	403	0.69 (0.41-1.16)	0.16	0.71	1.00 (0.34-2.98)	0.88 (0.37-2.09)	0.64 (0.18-2.34)	0.38 (0.14-1.03)	0.54	0.94				
rs324035	<i>DRD3</i>	3	Male	0.19	386	0.90 (0.53-1.51)	0.68	1.00	1.24 (0.41-3.74)	0.74 (0.28-1.95)	1.06 (0.39-2.90)	0.70 (0.24-2.07)	0.85	0.99				
			Female	0.20	403	1.50 (0.90-2.50)	0.12	0.61	2.06 (0.73-5.78)	1.35 (0.58-3.15)	0.79 (0.19-3.29)	1.86 (0.68-5.13)	0.70	0.98				
rs3773679	<i>DRD3</i>	3	Male	0.39	385	0.89 (0.54-1.46)	0.64	1.00	0.22 (0.07-0.71)	1.88 (0.66-5.36)	0.94 (0.37-2.35)	1.23 (0.43-3.56)	0.04	0.21				
			Female	0.38	403	0.71 (0.42-1.18)	0.19	0.76	1.00 (0.34-2.98)	0.89 (0.38-2.10)	0.64 (0.18-2.34)	0.41 (0.15-1.12)	0.61	0.96				
rs3773678	<i>DRD3</i>	3	Male	0.14	386	1.05 (0.65-1.68)	0.84	1.00	1.37 (0.56-3.36)	0.91 (0.31-2.69)	0.90 (0.34-2.41)	1.03 (0.44-2.42)	0.92	0.99				
			Female	0.15	403	1.29 (0.82-2.04)	0.28	0.74	1.56 (0.55-4.43)	1.57 (0.82-3.01)	0.34 (0.05-2.54)	1.31 (0.47-3.68)	0.38	0.88				
rs2630349	<i>DRD3</i>	3	Male	0.06	386	1.02 (0.51-2.05)	0.95	0.95	0.89 (0.20-4.02)	0.80 (0.15-4.20)	0.37 (0.05-2.65)	2.49 (0.77-8.04)	0.29	0.78				
			Female	0.07	4													

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction		
						Likelihood ratio test		Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P								
rs1865149	NCK1	3	Male	0.32	386	0.88 (0.60-1.29)	0.51	0.83	0.91 (0.42-2.00)	0.56 (0.27-1.20)	1.17 (0.56-2.42)	1.03 (0.48-2.21)	0.55	0.90	
			Female	0.28	403	1.23 (0.83-1.84)	0.31	0.83	0.72 (0.30-1.73)	1.28 (0.64-2.58)	1.02 (0.33-3.12)	1.91 (0.92-3.94)	0.38	0.81	
rs2343662	NCK1	3	Male	0.32	386	0.88 (0.60-1.29)	0.51	0.83	0.91 (0.42-2.00)	0.56 (0.27-1.20)	1.17 (0.56-2.42)	1.03 (0.48-2.21)	0.55	0.90	
			Female	0.28	403	1.22 (0.82-1.83)	0.33	0.85	0.72 (0.30-1.73)	1.25 (0.62-2.53)	1.02 (0.33-3.12)	1.91 (0.92-3.94)	0.39	0.81	
rs9846691	NCK1	3	Male	0.32	386	0.88 (0.60-1.29)	0.51	0.83	0.91 (0.42-2.00)	0.56 (0.27-1.20)	1.17 (0.56-2.42)	1.03 (0.48-2.21)	0.55	0.90	
			Female	0.28	403	1.23 (0.83-1.84)	0.31	0.83	0.72 (0.30-1.73)	1.28 (0.64-2.58)	1.02 (0.33-3.12)	1.91 (0.92-3.94)	0.38	0.81	
rs6784005	NCK1	3	Male	0.32	349	0.81 (0.54-1.22)	0.31	0.73	0.91 (0.38-2.20)	0.56 (0.25-1.24)	0.89 (0.40-1.95)	0.99 (0.45-2.20)	0.75	0.96	
			Female	0.29	363	1.26 (0.83-1.91)	0.28	0.81	0.69 (0.28-1.68)	1.47 (0.70-3.10)	0.96 (0.31-2.94)	1.91 (0.90-4.03)	0.32	0.75	
rs9824147	NCK1	3	Male	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs9867325	NCK1	3	Male	0.20	385	0.85 (0.55-1.31)	0.46	0.86	0.35 (0.09-1.28)	0.83 (0.38-1.83)	0.87 (0.40-1.88)	1.55 (0.63-3.83)	0.29	0.71	
			Female	0.27	402	1.17 (0.79-1.74)	0.44	0.68	1.25 (0.58-2.69)	1.43 (0.74-2.78)	0.77 (0.24-2.47)	1.02 (0.47-2.21)	0.80	0.80	
rs6761993	NCK1	3	Male	0.39	384	0.81 (0.56-1.17)	0.25	0.66	0.70 (0.33-1.51)	0.50 (0.24-1.01)	1.08 (0.51-2.29)	1.25 (0.59-2.62)	0.27	0.70	
			Female	0.38	401	1.25 (0.86-1.82)	0.24	0.77	0.92 (0.43-1.96)	1.52 (0.79-2.95)	0.70 (0.23-2.13)	1.64 (0.82-3.28)	0.45	0.80	
rs9837990	NCK1	3	Male	0.39	386	0.66 (0.40-1.08)	0.10	0.36	0.68 (0.22-2.05)	0.35 (0.14-0.90)	0.85 (0.34-2.10)	1.01 (0.35-2.92)	0.45	0.82	
			Female	0.38	403	1.29 (0.76-2.22)	0.34	0.86	1.17 (0.41-3.32)	1.35 (0.53-3.40)	0.55 (0.15-1.99)	2.52 (0.77-8.30)	0.39	0.82	
rs9881139	NCK1	3	Male	0.39	386	0.80 (0.56-1.16)	0.24	0.66	0.70 (0.32-1.51)	0.50 (0.24-1.01)	1.08 (0.51-2.29)	1.20 (0.58-2.51)	0.29	0.73	
			Female	0.38	403	1.25 (0.86-1.81)	0.25	0.78	0.91 (0.42-1.94)	1.52 (0.79-2.95)	0.70 (0.23-2.13)	1.64 (0.82-3.28)	0.44	0.79	
rs4678274	NCK1	3	Male	0.32	386	0.88 (0.60-1.29)	0.51	0.83	0.91 (0.42-2.00)	0.56 (0.27-1.20)	1.17 (0.56-2.42)	1.03 (0.48-2.21)	0.55	0.90	
			Female	0.28	403	1.23 (0.83-1.84)	0.31	0.83	0.72 (0.30-1.73)	1.28 (0.64-2.58)	1.02 (0.33-3.12)	1.91 (0.92-3.94)	0.38	0.81	
rs10935210	NCK1	3	Male	0.32	386	0.88 (0.60-1.29)	0.51	0.83	0.91 (0.42-2.00)	0.56 (0.27-1.20)	1.17 (0.56-2.42)	1.03 (0.48-2.21)	0.55	0.90	
			Female	0.28	402	1.24 (0.83-1.85)	0.30	0.82	0.72 (0.30-1.73)	1.30 (0.64-2.61)	1.02 (0.33-3.12)	1.91 (0.92-3.94)	0.38	0.81	
rs6775389	NCK1	3	Male	0.32	386	0.88 (0.60-1.29)	0.51	0.83	0.91 (0.42-2.00)	0.56 (0.27-1.20)	1.17 (0.56-2.42)	1.03 (0.48-2.21)	0.55	0.90	
			Female	0.28	403	1.23 (0.82-1.83)	0.32	0.85	0.72 (0.30-1.73)	1.28 (0.64-2.58)	0.97 (0.32-2.99)	1.91 (0.92-3.94)	0.38	0.80	
rs1433318	NCK1	3	Male	0.32	385	0.87 (0.60-1.28)	0.48	0.80	0.92 (0.42-2.01)	0.57 (0.27-1.20)	1.17 (0.56-2.43)	0.98 (0.45-2.16)	0.57	0.92	
			Female	0.28	402	1.24 (0.83-1.85)	0.30	0.82	0.72 (0.30-1.73)	1.30 (0.64-2.61)	1.02 (0.33-3.12)	1.91 (0.92-3.94)	0.38	0.81	
rs835648	NCK1	3	Male	0.32	386	0.85 (0.58-1.25)	0.41	0.82	0.90 (0.39-2.05)	0.58 (0.27-1.24)	1.13 (0.55-2.36)	0.90 (0.42-1.96)	0.65	0.96	
			Female	0.27	403	1.29 (0.87-1.91)	0.22	0.73	0.76 (0.32-1.79)	1.30 (0.66-2.56)	1.11 (0.37-3.35)	2.01 (0.98-4.13)	0.37	0.81	
rs7648198	NCK1	3	Male	0.45	386	0.78 (0.46-1.31)	0.35	0.77	0.66 (0.21-2.06)	0.50 (0.19-1.32)	1.30 (0.50-3.38)	0.78 (0.24-2.52)	0.58	0.92	
			Female	0.45	402	1.26 (0.71-2.24)	0.42	0.73	2.18 (0.58-8.20)	1.10 (0.41-2.94)	0.43 (0.12-1.57)	2.04 (0.62-6.77)	0.26	0.67	
rs835637	NCK1	3	Male	0.47	386	1.65 (0.92-2.95)	0.09	0.38	4.17 (0.87-19.92)	2.48 (0.83-7.38)	1.24 (0.41-3.76)	0.65 (0.21-2.01)	0.18	0.55	
			Female	0.45	402	0.77 (0.45-1.32)	0.35	0.84	2.11 (0.56-7.94)	0.48 (0.20-1.19)	1.75 (0.35-8.86)	0.46 (0.17-1.26)	0.13	0.40	
rs835636	NCK1	3	Male	0.48	386	0.72 (0.42-1.23)	0.22	0.66	0.85 (0.26-2.78)	0.50 (0.18-1.36)	0.78 (0.30-2.02)	0.91 (0.26-3.21)	0.86	0.86	
			Female	0.49	402	1.83 (0.95-3.50)	0.06	0.30	3.07 (0.65-13.39)	1.40 (0.51-3.89)	0.93 (0.22-3.92)	3.20 (0.68-15.08)	0.56	0.78	
rs835634	NCK1	3	Male	0.44	385	1.93 (1.09-3.43)	0.02	0.12	4.43 (0.93-21.13)	2.81 (1.00-7.89)	1.78 (0.60-5.31)	0.65 (0.21-1.99)	0.16	0.50	
			Female	0.42	402	0.80 (0.48-1.34)	0.39	0.81	1.39 (0.45-4.30)	0.58 (0.25-1.38)	1.33 (0.32-5.51)	0.57 (0.21-1.56)	0.48	0.76	
rs12054220	NCK1	3	Male	0.46	386	0.86 (0.51-1.46)	0.59	0.82	0.64 (0.21-2.00)	0.98 (0.35-2.75)	1.13 (0.43-2.96)	0.68 (0.22-2.07)	0.85	0.95	
			Female	0.47	403	1.40 (0.78-2.51)	0.26	0.78	1.65 (0.50-5.51)	2.49 (0.78-7.92)	0.37 (0.10-1.36)	1.54 (0.50-4.72)	0.18	0.52	
rs7655090	DRD5	4	Male	0.31	386	1.13 (0.78-1.64)	0.53	0.87	0.79 (0.37-1.70)	1.30 (0.57-2.95)	1.50 (0.79-2.85)	0.93 (0.39-2.21)	0.59	0.91	
			Female	0.33	403	1.09 (0.75-1.58)	0.65	0.92	1.64 (0.78-3.42)	1.35 (0.73-2.51)	1.11 (0.38-3.23)	0.54 (0.25-1.20)	0.17	0.22	
rs10939514	DRD5	4	Male	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs10939515	DRD5	4	Male	0.16	385	1.10 (0.65-1.86)	0.72	0.97	0.88 (0.27-2.85)	1.49 (0.58-3.84)	1.05 (0.40-2.76)	0.92 (0.27-3.15)	0.89	0.89	
			Female	0.18	403	1.00 (0.58-1.72)	0.99	0.99	2.67 (0.93-7.69)	1.16 (0.49-2.77)	0.77 (0.19-3.20)	0.23 (0.05-1.09)	0.04	0.10	
rs10033951	DRD5	4	Male	0.30	381	1.11 (0.76-1.62)	0.60	0.92	0.81 (0.37-1.75)	1.34 (0.59-3.03)	1.38 (0.71-2.67)	0.93 (0.38-2.30)	0.70	0.94	
			Female	0.32	395	1.10 (0.76-1.60)	0.60	0.91	1.49 (0.72-3.08)	1.42 (0.76-2.64)	1.11 (0.38-3.24)	0.56 (0.25-1.26)	0.23	0.28	
rs2867383	DRD5	4	Male	0.31	385	1.07 (0.73-1.57)	0.73	0.83	0.77 (0.35-1.68)	1.21 (0.53-2.73)	1.40 (0.71-2.76)	0.92 (0.38-2.19)	0.67	0.95	
			Female	0.33	403	1.10 (0.76-1.59)	0.61	0.90	1.44 (0.69-3.01)	1.39 (0.75-2.57)	1.03 (0.36-2.93)	0.64 (0.29-1.37)	0.36	0.36	
rs1850744	DRD5	4	Male	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs13106539	DRD5	4	Male	0.38	386	1.09 (0.66-1.82)	0.73	0.92	0.85 (0.28-2.58)	0.97 (0.39-2.39)	1.07 (0.41-2.82)	1.73 (0.55-5.48)	0.82	0.94	
			Female	0.38	403	0.92 (0.55-1.53)	0.73	0.92	0.88 (0.32-2.47)	1.96 (0.75-5.11)	0.97 (0.26-3.66)	0.36 (0.13-1.01)	0.12	0.22	
rs1519097	DRD5	4	Male	0.32	382	1.01 (0.68-1.49)	0.97	0.97	0.51 (0.20-1.29)	1.31 (0.59-2.93)	1.39 (0.72-2.71)	0.86 (0.35-2.10)	0.28	0.57	
			Female	0.34	402	1.15 (0.79-1.66)	0.47	0.81	1.30 (0.62-2.75)	1.65 (0.89-3.06)	0.90 (0.31-2.64)	0.68 (0.32-1.45)	0.32	0.37	
rs356219	SNCA	4	Male	0.36	386	0.91 (0.63-1.31)	0.61	1.00	0.47 (0.19-1.21)	1.51 (0.75-3.01)	1.24 (0.63-2.45)	0.54 (0.25-1.19)	0.08	0.40	
			Female	0.39	403	1.10 (0.76-1.60)	0.60	0.99	0.55 (0.24-1.30)	1.13 (0.61-2.08)	2.35 (0.82-6.74)	1.25 (0.62-2.50)	0.18	0.63	
rs11931074	SNCA	4	Male	0.08	386	0.87 (0.43-1.73)	0.68	1.00	0.73 (0.15-3.67)	1.86 (0.54-6.38)	0.63 (0.16-2.39)	0.55 (0.11-2.71)	0.57	0.94	
			Female	0.08	403	1.17 (0.58-2.37)	0.66	1.00	0.40 (0.08-1.29)	3.60 (1.06-12.25)	0.55 (0.06-4.83)	1.44 (0.34-6.10)	0.11	0.47	
rs356220	SNCA	4	Male	0.35	343	0.87 (0.59-1.29)	0.49	1.00	0.45 (0.16-1.26)	1.35 (0.65-2.80)	1.18 (0.58-2.43)	0.56 (0.25-1.27)	0.18	0.64	
			Female	0.37	348	1.27 (0.86-1.87)	0.23	0.90	0.68 (0.28-1.64)	1.42 (0.73-2.77)	2.17 (0.74-6.38)	1.32 (0.67-2.63)	0.38	0.89	
rs10003708	SNCA	4	Male	0.08	386	0.87 (0.43-1.73)	0.68	1.00	0.73 (0.15-3.67)	1.86 (0.54-6.38)	0.63 (0.16-2.39)	0.55 (0.11-2.71)	0.57	0.94	
			Female	0.08	403	1.17 (0.58-2.37)	0.66	1.00	0.40 (0.08-1.29)	3.60 (1.06-12.25)	0.55 (0.06-4.83)	1.44 (0.34-6.10)	0.11	0.47	
rs168552	SNCA	4	Male	0.29	386	0.94 (0.64-1.39)	0.76	1.00	0.41 (0.14-1.21)	1.32 (0.62-2.84)	1.38 (0.70-2.73)	0.66 (0.29-1.51)	0.15	0.60	
			Female	0.31	402	1.07 (0.73-1.58)	0.72	0.99	0.94 (0.39-2.27)	0.82 (0.43-1.55)	2.52 (0.94-6.75)	1.05 (0.50-2.21)	0.28	0.81	
rs3857051	SNCA														

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction					
						Likelihood ratio test			SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	Observed P	Adjusted P	Observed P	Adjusted P	
						SNP OR (95% CI)	Observed P	Adjusted P										Placebo
rs961386	SNCA	4	Female	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs3822095	SNCA	4	Female	0.37	386	1.05 (0.73-1.51)	0.80	1.00	1.22 (0.50-2.97)	0.70 (0.36-1.35)	1.26 (0.63-2.52)	1.28 (0.61-2.67)	0.54	0.95	0.54	0.95	0.54	0.95
rs2619372	SNCA	4	Female	0.38	403	0.95 (0.65-1.37)	0.77	0.98	0.79 (0.35-1.78)	0.99 (0.54-1.84)	0.82 (0.30-2.25)	1.09 (0.55-2.17)	0.93	0.93	0.93	0.93	0.93	0.93
rs1812923	SNCA	4	Female	0.26	403	1.12 (0.76-1.65)	0.57	1.00	1.02 (0.43-2.40)	0.87 (0.45-1.67)	0.75 (0.34-1.65)	1.17 (0.53-2.61)	0.88	0.98	0.88	0.98	0.88	0.98
rs2737020	SNCA	4	Female	0.43	386	0.94 (0.66-1.59)	0.82	1.00	1.83 (0.77-4.33)	1.18 (0.65-2.16)	0.69 (0.23-2.04)	0.89 (0.39-2.04)	0.50	0.94	0.50	0.94	0.50	0.94
rs7356228	SNCA	4	Female	0.45	403	1.17 (0.67-2.03)	0.58	0.99	0.92 (0.28-2.99)	0.72 (0.26-1.96)	1.12 (0.42-2.96)	1.05 (0.35-3.13)	0.93	0.93	0.93	0.93	0.93	0.93
rs2737015	SNCA	4	Female	0.30	385	0.92 (0.63-1.35)	0.67	1.00	0.53 (0.18-1.53)	1.27 (0.52-3.14)	1.02 (0.24-4.29)	2.77 (0.74-10.38)	0.26	0.78	0.26	0.78	0.26	0.78
rs3113355	SNCA	4	Female	0.37	386	1.05 (0.73-1.51)	0.80	1.00	1.22 (0.50-2.97)	0.70 (0.36-1.35)	1.26 (0.63-2.52)	1.28 (0.61-2.67)	0.54	0.95	0.54	0.95	0.54	0.95
rs6532191	SNCA	4	Female	0.39	402	0.94 (0.65-1.37)	0.75	0.99	0.77 (0.34-1.75)	0.99 (0.54-1.84)	0.82 (0.30-2.24)	1.09 (0.55-2.17)	0.92	0.93	0.92	0.93	0.92	0.93
rs2583975	SNCA	4	Female	0.26	385	1.01 (0.62-1.65)	0.96	0.99	0.42 (0.12-1.43)	1.36 (0.55-3.34)	1.60 (0.64-3.97)	0.77 (0.27-2.16)	0.28	0.76	0.28	0.76	0.28	0.76
rs13148411	SNCA	4	Female	0.23	385	0.96 (0.58-1.57)	0.86	0.86	0.96 (0.35-2.65)	0.70 (0.30-1.63)	3.52 (0.86-14.48)	0.70 (0.26-1.88)	0.21	0.69	0.21	0.69	0.21	0.69
rs5832191	SNCA	4	Female	0.21	403	1.36 (0.82-2.27)	0.24	0.90	0.98 (0.33-2.91)	0.93 (0.37-2.36)	0.75 (0.29-1.95)	1.84 (0.64-5.30)	0.65	0.95	0.65	0.95	0.65	0.95
rs2583975	SNCA	4	Female	0.22	385	0.96 (0.64-1.45)	0.85	1.00	2.37 (0.84-7.60)	1.13 (0.48-2.65)	1.27 (0.35-4.68)	1.08 (0.38-3.06)	0.69	0.94	0.69	0.94	0.69	0.94
rs13148411	SNCA	4	Female	0.22	385	0.94 (0.67-1.33)	0.72	1.00	0.71 (0.30-1.70)	1.13 (0.58-2.18)	0.85 (0.46-1.59)	1.03 (0.52-2.02)	0.84	0.99	0.84	0.99	0.84	0.99
rs10011157	SNCA	4	Female	0.20	403	1.30 (0.87-1.95)	0.21	0.87	1.76 (0.84-3.67)	0.82 (0.45-1.48)	1.62 (0.64-4.11)	0.88 (0.43-1.82)	0.31	0.82	0.31	0.82	0.31	0.82
rs2583981	SNCA	4	Female	0.27	386	1.01 (0.62-1.65)	0.96	0.99	0.88 (0.33-2.40)	0.76 (0.36-1.60)	0.77 (0.33-1.82)	1.72 (0.77-3.83)	0.46	0.93	0.46	0.93	0.46	0.93
rs2301134	SNCA	4	Female	0.30	403	0.96 (0.58-1.57)	0.86	0.86	2.59 (1.08-6.22)	1.12 (0.60-2.10)	0.79 (0.25-2.52)	1.20 (0.49-2.94)	0.34	0.85	0.34	0.85	0.34	0.85
rs3775085	TDO2	4	Female	0.20	403	1.30 (0.87-1.95)	0.21	0.87	0.87 (0.33-2.61)	0.83 (0.40-1.71)	0.66 (0.28-1.57)	1.72 (0.77-3.83)	0.41	0.91	0.41	0.91	0.41	0.91
rs7355910	TDO2	4	Female	0.10	403	1.56 (0.92-2.62)	0.10	0.43	2.14 (0.91-5.01)	1.08 (0.58-2.00)	1.01 (0.34-2.99)	1.16 (0.47-2.83)	0.59	0.95	0.59	0.95	0.59	0.95
rs2271537	TDO2	4	Female	0.48	360	1.34 (0.91-1.98)	0.13	0.61	0.42 (0.12-1.43)	1.36 (0.55-3.34)	1.60 (0.64-3.97)	0.77 (0.27-2.16)	0.29	0.78	0.29	0.78	0.29	0.78
rs10517626	TDO2	4	Female	0.11	386	1.40 (0.83-2.36)	0.22	0.71	0.96 (0.35-2.65)	0.70 (0.30-1.63)	3.52 (0.86-14.48)	0.70 (0.26-1.88)	0.21	0.69	0.21	0.69	0.21	0.69
rs2878125	TDO2	4	Female	0.12	385	1.31 (0.79-2.18)	0.30	0.80	0.87 (0.33-2.61)	0.83 (0.40-1.71)	0.66 (0.28-1.57)	1.72 (0.77-3.83)	0.41	0.91	0.41	0.91	0.41	0.91
rs13152449	TDO2	4	Female	0.10	403	1.38 (0.82-2.34)	0.24	0.63	0.45 (0.10-2.09)	2.55 (1.19-5.47)	0.27 (0.03-1.24)	1.07 (0.40-2.83)	0.05	0.15	0.05	0.15	0.05	0.15
rs11723579	TDO2	4	Female	0.10	403	1.45 (0.85-2.48)	0.19	0.59	1.82 (0.66-4.98)	2.13 (0.75-6.06)	1.21 (0.44-3.32)	0.72 (0.20-2.64)	0.55	0.93	0.55	0.93	0.55	0.93
rs2292537	TDO2	4	Female	0.47	403	0.63 (0.37-1.07)	0.09	0.43	0.59 (0.13-2.69)	3.87 (1.59-9.43)	0.34 (0.04-2.66)	1.00 (0.34-2.99)	0.02	0.10	0.02	0.10	0.02	0.10
rs2292536	TDO2	4	Female	0.09	403	0.94 (0.49-1.82)	0.86	0.86	2.67 (1.00-7.12)	1.83 (0.69-4.88)	0.89 (0.33-2.43)	0.55 (0.15-2.01)	0.17	0.53	0.17	0.53	0.17	0.53
rs6856558	TDO2	4	Female	0.10	403	1.45 (0.85-2.48)	0.19	0.59	0.45 (0.10-2.09)	2.55 (1.19-5.47)	0.27 (0.03-1.24)	1.07 (0.40-2.83)	0.05	0.15	0.05	0.15	0.05	0.15
rs9044	TDO2	4	Female	0.48	360	1.08 (0.63-1.84)	0.78	0.78	0.76 (0.23-2.48)	0.99 (0.33-2.93)	0.39 (0.14-1.10)	0.82 (0.23-2.86)	0.65	0.95	0.65	0.95	0.65	0.95
rs6856354	TDO2	4	Female	0.36	386	0.86 (0.45-1.66)	0.65	0.87	1.04 (0.26-4.16)	1.83 (0.71-4.71)	NA	0.39 (0.08-1.85)	0.12	0.35	0.12	0.35	0.12	0.35
rs27074	SLC6A3	5	Female	0.43	385	1.26 (0.90-1.78)	0.18	0.70	1.82 (0.64-4.98)	0.80 (0.42-1.52)	1.77 (0.94-3.36)	1.01 (0.46-2.22)	0.24	0.62	0.24	0.62	0.24	0.62
rs11133762	SLC6A3	5	Female	0.45	402	0.89 (0.63-1.25)	0.50	0.84	0.92 (0.47-1.80)	1.51 (0.85-2.70)	0.27 (0.08-0.88)	0.68 (0.34-1.32)	0.03	0.13	0.03	0.13	0.03	0.13
rs10064525	SLC6A3	5	Female	0.36	386	1.24 (0.87-1.76)	0.23	0.73	0.46 (0.15-1.40)	1.14 (0.45-2.87)	0.65 (0.27-1.59)	1.55 (0.50-4.82)	0.38	0.80	0.38	0.80	0.38	0.80
rs40184	SLC6A3	5	Female	0.46	401	0.91 (0.65-1.29)	0.61	0.91	0.94 (0.30-2.94)	1.99 (0.68-5.78)	0.27 (0.07-1.01)	0.73 (0.25-2.08)	0.13	0.35	0.13	0.35	0.13	0.35
rs11564767	SLC6A3	5	Female	0.36	386	0.85 (0.52-1.38)	0.51	0.94	0.46 (0.15-1.40)	1.14 (0.45-2.87)	0.65 (0.27-1.59)	1.55 (0.50-4.82)	0.38	0.80	0.38	0.80	0.38	0.80
rs11564764	SLC6A3	5	Female	0.36	402	0.56 (0.33-0.93)	0.02	0.16	0.74 (0.19-2.94)	0.61 (0.20-1.85)	0.92 (0.25-3.33)	0.84 (0.16-4.31)	0.97	0.97	0.97	0.97	0.97	0.97
rs376511	SLC6A3	5	Female	0.09	386	0.74 (0.38-1.43)	0.35	0.99	1.38 (0.44-4.35)	0.90 (0.33-2.45)	3.53 (0.86-14.41)	1.09 (0.31-3.77)	0.48	0.88	0.48	0.88	0.48	0.88
rs6347	SLC6A3	5	Female	0.01	NA	NA	NA	NA	1.07 (0.20-5.74)	0.27 (0.03-2.24)	0.74 (0.19-2.87)	1.38 (0.33-5.73)	0.58	0.98	0.58	0.98	0.58	0.98
rs10040882	SLC6A3	5	Female	0.06	382	0.78 (0.36-1.69)	0.51	1.00	NA	1.04 (0.34-3.17)	0.45 (0.05-3.89)	2.64 (0.75-9.29)	0.08	0.40	0.08	0.40	0.08	0.40
rs2975292	SLC6A3	5	Female	0.08	398	0.96 (0.47-1.97)	0.91	0.99	1.23 (0.57-2.69)	0.65 (0.35-1.21)	0.70 (0.38-1.29)	0.66 (0.31-1.42)	0.58	0.90	0.58	0.90	0.58	0.90
rs458334	SLC6A3	5	Female	0.47	401	1.00 (0.70-1.43)	0.98	0.98	1.82 (0.82-4.02)	1.09 (0.61-1.95)	1.12 (0.46-2.76)	0.52 (0.25-1.07)	0.13	0.49	0.13	0.49	0.13	0.49
rs11564767	SLC6A3	5	Female	0.06	386	0.48 (0.19-1.18)	0.08	0.72	NA	NA	0.47 (0.05-4.03)	1.64 (0.50-5.35)	0.02	0.15	0.02	0.15	0.02	0.15
rs376511	SLC6A3	5	Female	0.07	403	1.83 (0.94-3.58)	0.09	0.71	0.90 (0.18-4.48)	2.87 (1.02-8.07)	7.96 (1.70-37.23)	1.43 (0.44-4.63)	0.19	0.55	0.19	0.55	0.19	0.55
rs376511	SLC6A3	5	Female	0.20	354	1.09 (0.65-1.83)	0.75	1.00	NA	NA	0.46 (0.05-4.00)	1.77 (0.54-5.83)	0.04	0.26	0.04	0.26	0.04	0.26
rs6347	SLC6A3	5	Female	0.21	379	1.38 (0.82-2.33)	0.23	0.96	1.01 (0.20-5.12)	3.58 (1.23-10.47)	6.22 (1.16-33.41)	0.49 (0.10-2.41)	0.07	0.38	0.07	0.38	0.07	0.38
rs37022	SLC6A3	5	Female	0.26	352	1.32 (0.88-1.99)	0.19	0.93	1.11 (0.33-3.81)	1.77 (0.70-4.49)	1.19 (0.46-3.06)	0.43 (0.12-1.49)	0.33	0.83	0.33	0.83	0.33	0.83
rs10040882	SLC6A3	5	Female	0.27	378	1.05 (0.70-1.57)	0.83	1.00	2.78 (0.98-7.89)	1.03 (0.43-2.49)	1.65 (0.43-6.30)	0.91 (0.31-2.70)	0.42	0.84	0.42	0.84	0.42	0.84
rs2975292	SLC6A3	5	Female	0.17	383	0.68 (0.39-1.17)	0.16	0.90	1.28 (0.51-3.21)	1.63 (0.70-3.80)	1.47 (0.72-3.02)	0.95 (0.40-2.27)	0.83	0.99	0.83	0.99	0.83	0.99
rs458334	SLC6A3	5	Female	0.21	379	1.05 (0.70-1.57)	0.83	1.00	1.62 (0.77-3.42)	0.67 (0.31-1.44)	2.09 (0.76-5.75)	0.68 (0.29-1.62)	0.14	0.50	0.14	0.50	0.14	0.50
rs11737901	SLC6A3	5	Female	0.16	401	0.86 (0.49-1.50)	0.59	1.00	0.35 (0.07-1.72)	0.95 (0.36-2.52)	0.91 (0.35-2.39)	0.43 (0.13-1.43)	0.54	0.98	0.54	0.98	0.54	0.98
rs409588	SLC6A3	5	Female	0.21	379	1.13 (0.69-1.86)	0.63	1.00	0.15 (0.02-1.20)	0.67 (0.25-1.74)	1.04 (0.28-3.92)	2.52 (0.89-7.17)	0.04	0.24	0.04	0.24	0.04	0.24
rs4975646	SLC6A3	5	Female</															

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction		
						Likelihood ratio test		Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P	Observed P	Adjusted P
						SNP OR (95% CI)	Adjusted P								
rs6859392	HTR1A	5	Male	0.31	386	1.09 (0.67-1.77)	0.72	0.72	0.71 (0.24-2.14)	2.70 (1.03-7.06)	0.78 (0.32-1.92)	0.79 (0.27-2.25)	0.18	0.31	
			Female	0.30	402	1.10 (0.66-1.82)	0.72	0.92	1.64 (0.59-4.57)	0.51 (0.22-1.21)	1.43 (0.40-5.17)	1.98 (0.65-6.06)	0.17	0.29	
rs10085024	HTR1A	5	Male	0.50	386	0.85 (0.60-1.21)	0.36	0.72	1.07 (0.51-2.26)	0.84 (0.43-1.62)	1.09 (0.57-2.09)	0.46 (0.20-1.06)	0.38	0.54	
			Female	0.48	403	1.08 (0.76-1.55)	0.66	0.96	0.88 (0.43-1.76)	1.52 (0.84-2.73)	0.78 (0.30-2.07)	0.96 (0.45-2.04)	0.54	0.71	
rs1364043	HTR1A	5	Male	0.25	386	0.91 (0.56-1.49)	0.71	0.92	0.62 (0.20-1.90)	0.66 (0.26-1.65)	1.26 (0.52-3.08)	1.32 (0.45-3.89)	0.59	0.59	
			Female	0.21	403	1.09 (0.65-1.83)	0.74	0.74	0.94 (0.32-2.76)	1.38 (0.58-3.25)	0.99 (0.26-3.72)	0.97 (0.35-2.66)	0.93	0.93	
rs6295	HTR1A	5	Male	0.49	385	0.88 (0.62-1.24)	0.46	0.81	1.38 (0.63-3.02)	0.84 (0.43-1.62)	1.01 (0.53-1.92)	0.46 (0.20-1.06)	0.27	0.42	
			Female	0.48	401	1.08 (0.75-1.55)	0.68	0.96	0.86 (0.42-1.73)	1.54 (0.84-2.83)	0.82 (0.32-2.13)	0.95 (0.45-2.03)	0.54	0.74	
rs10042486	HTR1A	5	Male	0.49	384	0.87 (0.61-1.23)	0.42	0.78	1.17 (0.55-2.48)	0.83 (0.43-1.61)	1.09 (0.57-2.12)	0.46 (0.20-1.06)	0.33	0.49	
			Female	0.48	403	1.09 (0.76-1.55)	0.64	0.95	0.88 (0.44-1.76)	1.52 (0.84-2.73)	0.82 (0.32-2.13)	0.96 (0.45-2.04)	0.56	0.73	
rs13436914	HTR1A	5	Male	1.27 × 10 <sup>3</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	1.24 × 10 <sup>3</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs11954565	DRD1	5	Male	0.34	381	0.76 (0.47-1.25)	0.28	0.95	2.77 (0.81-9.47)	1.43 (0.57-3.59)	0.59 (0.23-1.48)	0.09 (0.02-0.43)	5.83 × 10 <sup>-3</sup>	6.66 × 10 <sup>-3</sup>	
			Female	0.36	400	1.63 (0.96-2.77)	0.07	0.58	3.12 (0.84-11.64)	1.76 (0.73-4.23)	1.20 (0.32-4.54)	1.11 (0.41-3.01)	0.61	0.94	
rs1587176	DRD1	5	Male	0.19	385	0.84 (0.50-1.42)	0.51	0.99	0.50 (0.13-1.96)	0.36 (0.13-1.00)	2.42 (0.95-6.12)	0.88 (0.29-2.61)	0.04	0.22	
			Female	0.16	399	0.98 (0.56-1.71)	0.95	1.00	0.39 (0.08-1.85)	1.18 (0.47-2.95)	1.37 (0.36-5.22)	1.10 (0.39-3.13)	0.57	0.96	
rs1310277	DRD1	5	Male	0.12	386	1.55 (0.89-2.69)	0.13	0.76	2.05 (0.64-6.53)	0.93 (0.32-2.71)	1.60 (0.59-4.34)	2.19 (0.65-7.34)	0.69	0.98	
			Female	0.13	403	0.74 (0.41-1.34)	0.31	0.97	0.88 (0.26-2.95)	0.35 (0.11-1.10)	1.27 (0.30-5.42)	1.12 (0.38-3.33)	0.39	0.90	
rs11739696	DRD1	5	Male	0.37	386	0.95 (0.67-1.34)	0.75	1.00	1.43 (0.67-3.07)	1.09 (0.58-2.06)	0.85 (0.45-1.62)	0.57 (0.25-1.31)	0.40	0.89	
			Female	0.37	403	1.27 (0.89-1.81)	0.19	0.90	1.13 (0.56-2.30)	2.01 (1.09-3.70)	1.07 (0.40-2.87)	0.80 (0.38-1.68)	0.26	0.82	
rs2453737	DRD1	5	Male	0.37	385	0.93 (0.57-1.51)	0.77	1.00	1.25 (0.41-3.83)	1.21 (0.48-3.04)	0.82 (0.34-2.01)	0.60 (0.21-1.70)	0.72	0.98	
			Female	0.38	403	1.35 (0.80-2.27)	0.26	0.96	1.52 (0.49-4.67)	2.06 (0.82-5.16)	1.21 (0.32-4.53)	0.76 (0.28-2.07)	0.54	0.95	
rs6881740	DRD1	5	Male	0.35	385	0.85 (0.60-1.21)	0.35	0.97	1.64 (0.75-3.60)	1.16 (0.62-2.20)	0.71 (0.37-1.37)	0.31 (0.12-0.82)	0.03	0.19	
			Female	0.36	400	1.36 (0.95-1.95)	0.09	0.68	1.22 (0.59-2.50)	2.15 (1.16-3.98)	1.16 (0.43-3.12)	0.87 (0.42-1.82)	0.28	0.85	
rs11742274	DRD1	5	Male	0.19	385	1.62 (0.98-2.66)	0.06	0.55	0.63 (0.20-2.01)	1.83 (0.70-4.81)	1.37 (0.55-3.43)	4.03 (1.37-11.87)	0.13	0.50	
			Female	0.19	402	1.15 (0.68-1.94)	0.60	1.00	1.41 (0.49-4.06)	0.88 (0.36-2.12)	0.49 (0.10-2.47)	2.00 (0.73-5.45)	0.40	0.91	
rs265971	DRD1	5	Male	0.28	385	0.92 (0.63-1.33)	0.64	1.00	0.62 (0.23-1.65)	1.01 (0.53-1.94)	0.63 (0.30-1.32)	1.62 (0.75-3.51)	0.28	0.80	
			Female	0.29	401	0.83 (0.56-1.23)	0.35	0.97	0.89 (0.40-2.00)	0.65 (0.32-1.29)	0.89 (0.34-2.22)	1.03 (0.48-2.21)	0.83	1.00	
rs265972	DRD1	5	Male	0.47	386	1.18 (0.84-1.66)	0.33	0.97	0.67 (0.31-1.45)	1.27 (0.67-2.41)	0.86 (0.47-1.59)	3.28 (1.40-7.68)	0.02	0.16	
			Female	0.48	402	0.86 (0.60-1.22)	0.39	0.98	1.00 (0.51-1.98)	0.58 (0.31-1.09)	0.56 (0.21-1.47)	1.48 (0.74-2.93)	0.17	0.67	
rs265973	DRD1	5	Male	0.45	386	0.87 (0.63-1.20)	0.39	0.98	0.65 (0.29-1.45)	0.78 (0.44-1.39)	0.89 (0.49-1.62)	1.23 (0.62-2.45)	0.65	0.98	
			Female	0.45	403	0.72 (0.50-1.05)	0.09	0.66	0.65 (0.30-1.41)	0.53 (0.27-1.04)	1.21 (0.49-3.01)	0.82 (0.41-1.64)	0.52	0.96	
rs265974	DRD1	5	Male	0.35	385	1.05 (0.65-1.71)	0.84	0.99	0.57 (0.19-1.71)	0.63 (0.26-1.56)	2.35 (0.88-6.26)	1.33 (0.46-3.83)	0.15	0.55	
			Female	0.34	402	0.76 (0.46-1.25)	0.28	0.96	1.23 (0.43-3.48)	0.42 (0.17-1.00)	0.73 (0.20-2.66)	1.12 (0.40-3.16)	0.36	0.90	
rs265975	DRD1	5	Male	0.34	386	1.11 (0.78-1.59)	0.55	0.99	0.80 (0.34-1.89)	0.64 (0.31-1.34)	1.99 (1.07-3.68)	1.09 (0.51-2.35)	0.10	0.43	
			Female	0.34	401	0.82 (0.56-1.20)	0.30	0.97	1.01 (0.46-2.22)	0.58 (0.30-1.11)	0.91 (0.34-2.46)	1.07 (0.50-2.27)	0.58	0.96	
rs265976	DRD1	5	Male	0.19	386	0.80 (0.47-1.34)	0.39	0.98	0.34 (0.07-1.63)	0.44 (0.17-1.19)	2.34 (0.94-5.83)	0.63 (0.20-1.96)	0.04	0.23	
			Female	0.18	402	0.79 (0.46-1.36)	0.39	0.98	0.54 (0.16-1.80)	0.85 (0.33-2.15)	1.42 (0.39-5.19)	0.68 (0.23-1.98)	0.74	0.99	
rs10476156	DRD1	5	Male	0.15	386	1.44 (0.92-2.26)	0.11	0.73	0.94 (0.32-2.75)	1.46 (0.51-4.17)	1.48 (0.72-3.04)	1.92 (0.78-4.72)	0.79	0.97	
			Female	0.15	403	0.90 (0.54-1.48)	0.67	1.00	1.39 (0.56-3.44)	0.43 (0.16-1.16)	0.28 (0.03-2.32)	1.77 (0.72-4.33)	0.07	0.38	
rs265977	DRD1	5	Male	0.17	385	0.79 (0.46-1.36)	0.40	0.98	0.39 (0.08-1.87)	0.51 (0.19-1.37)	1.70 (0.67-4.32)	0.80 (0.25-2.50)	0.24	0.75	
			Female	0.17	402	0.83 (0.48-1.43)	0.49	1.00	0.60 (0.18-1.98)	0.95 (0.37-2.41)	1.09 (0.29-4.18)	0.76 (0.26-2.23)	0.91	1.00	
rs863126	DRD1	5	Male	0.32	386	0.98 (0.68-1.40)	0.90	0.90	1.91 (0.87-4.18)	1.32 (0.70-2.49)	0.82 (0.40-1.68)	0.33 (0.13-0.88)	0.02	0.16	
			Female	0.32	403	1.34 (0.92-1.94)	0.13	0.78	1.12 (0.54-2.29)	2.10 (1.10-4.03)	1.06 (0.38-2.95)	1.00 (0.47-2.14)	0.41	0.91	
rs835616	DRD1	5	Male	0.38	384	0.78 (0.48-1.27)	0.32	0.96	0.30 (0.10-0.92)	0.94 (0.38-2.31)	0.72 (0.29-1.77)	1.60 (0.54-4.76)	0.19	0.65	
			Female	0.35	400	1.13 (0.68-1.88)	0.63	1.00	1.02 (0.36-2.83)	1.17 (0.49-2.77)	1.01 (0.27-3.83)	1.28 (0.47-3.50)	0.99	0.99	
rs835540	DRD1	5	Male	0.26	386	1.05 (0.64-1.71)	0.85	0.97	2.03 (0.67-6.10)	1.94 (0.78-4.83)	0.91 (0.37-2.27)	0.27 (0.08-0.91)	0.03	0.19	
			Female	0.25	401	1.30 (0.78-2.17)	0.31	0.97	0.91 (0.33-2.53)	1.88 (0.79-4.46)	0.64 (0.17-2.38)	1.76 (0.65-4.78)	0.44	0.90	
rs4867796	DRD1	5	Male	0.16	383	1.42 (0.94-2.16)	0.10	0.71	1.79 (0.74-4.31)	1.23 (0.52-2.94)	1.32 (0.66-2.65)	1.51 (0.60-3.81)	0.93	0.93	
			Female	0.18	403	1.08 (0.67-1.72)	0.76	1.00	1.56 (0.54-4.50)	0.90 (0.43-1.89)	0.29 (0.03-2.43)	1.50 (0.66-3.42)	0.35	0.91	
rs11746641	DRD1	5	Male	0.16	386	1.49 (0.98-2.28)	0.07	0.58	1.85 (0.77-4.44)	1.29 (0.48-3.48)	1.34 (0.66-2.72)	1.62 (0.66-3.97)	0.93	0.99	
			Female	0.17	403	0.98 (0.60-1.59)	0.94	1.00	1.63 (0.56-4.74)	0.76 (0.34-1.71)	0.31 (0.04-2.61)	1.24 (0.52-2.80)	0.39	0.99	
rs11749676	DRD1	5	Male	0.41	385	0.77 (0.47-1.26)	0.29	0.95	0.22 (0.07-0.70)	1.50 (0.57-3.95)	0.66 (0.27-1.65)	1.25 (0.42-3.73)	0.05	0.28	
			Female	0.40	402	1.05 (0.63-1.77)	0.84	1.00	1.21 (0.43-3.44)	0.86 (0.36-2.06)	2.16 (0.43-10.90)	0.87 (0.32-2.37)	0.74	0.99	
rs5326	DRD1	5	Male	0.13	386	1.06 (0.61-1.84)	0.83	1.00	1.13 (0.32-4.01)	0.90 (0.33-2.48)	1.68 (0.64-4.39)	0.60 (0.16-2.33)	0.64	0.99	
			Female	0.13	403	1.01 (0.56-1.81)	0.98	1.00	0.52 (0.14-1.95)	1.66 (0.63-4.41)	0.96 (0.23-4.04)	0.96 (0.31-3.03)	0.56	0.96	
rs265981	DRD1	5	Male	0.41	351	0.82 (0.49-1.36)	0.44	0.98	0.22 (0.07-0.72)	1.66 (0.59-4.65)	0.73 (0.29-1.85)	1.40 (0.46-4.26)	0.05	0.25	
			Female	0.40	354	1.25 (0.73-2.15)	0.42	0.99	1.18 (0.41-3.45)	0.95 (0.38-2.37)	2.26 (0.43-12.01)	1.45 (0.52-4.04)	0.81	1.00	
rs2168631	DRD1	5	Male	0.17	386	1.72 (1.14-2.60)	0.01	0.16	2.30 (0.96-5.51)	1.97 (0.80-4.84)	1.44 (0.72-2.91)	1.48 (0.60-3.63)	0.83	0.95	
			Female	0.18	403	0.99 (0.63-1.58)	0.98	0.98	1.64 (0.56-4.74)	0.73 (0.33-1.57)	0.29 (0.03-2.39)	1.41 (0.65-3.05)	0.26	0.82	
rs6878159	DRD1	5	Male	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	8.66 × 10 <sup>-3</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs267417	DRD1	5	Male	0.40	386	0.87 (0.62-1.22)	0.43	0.98	0.29 (0.11-0.74)	1.33 (0.72-2.47)	0.78 (0.40-1.52)	1.43 (0.70-2.94)	0.01	0.11	

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction		
						Likelihood ratio test		Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P	Observed P	Adjusted P
						SNP OR (95% CI)	Adjusted P								
rs9475195	HCRTR2	6	Male	0.38	385	0.78 (0.48-1.28)	0.33	0.99	0.62 (0.21-1.85)	1.27 (0.48-3.35)	0.69 (0.28-1.71)	0.64 (0.23-1.82)	0.71	1.00	
			Female	0.41	403	1.27 (0.74-2.17)	0.38	1.00	1.48 (0.48-4.54)	1.14 (0.48-2.71)	0.49 (0.13-1.76)	2.91 (0.78-10.91)	0.26	0.90	
rs1334696	HCRTR2	6	Male	0.21	386	1.27 (0.78-2.08)	0.34	0.98	1.44 (0.48-4.28)	1.33 (0.53-3.35)	0.73 (0.28-1.89)	2.17 (0.76-6.25)	0.50	1.00	
			Female	0.19	402	1.17 (0.69-1.97)	0.56	1.00	0.55 (0.17-1.83)	0.90 (0.36-2.22)	3.16 (0.86-11.60)	1.66 (0.60-4.62)	0.20	0.80	
rs1322148	HCRTR2	6	Male	0.21	386	1.24 (0.76-2.04)	0.39	0.99	1.44 (0.48-4.28)	1.24 (0.50-3.11)	0.73 (0.28-1.89)	2.18 (0.76-6.25)	0.50	1.00	
			Female	0.19	401	1.12 (0.67-1.89)	0.67	1.00	0.55 (0.16-1.81)	0.88 (0.36-2.18)	2.97 (0.81-10.87)	1.51 (0.55-4.13)	0.23	0.86	
rs10498801	HCRTR2	6	Male	0.19	386	1.34 (0.82-2.20)	0.25	0.97	1.33 (0.44-4.00)	1.44 (0.57-3.63)	0.82 (0.31-2.13)	2.30 (0.80-6.61)	0.56	1.00	
			Female	0.18	403	1.19 (0.70-2.01)	0.52	1.00	0.61 (0.18-2.03)	0.84 (0.33-2.14)	3.17 (0.86-11.67)	1.70 (0.62-4.67)	0.21	0.83	
rs12111375	HCRTR2	6	Male	0.48	342	0.62 (0.39-0.99)	0.04	0.51	0.37 (0.11-1.26)	0.51 (0.20-1.29)	0.70 (0.32-1.53)	0.86 (0.34-2.15)	0.70	1.00	
			Female	0.49	367	0.98 (0.64-1.50)	0.93	1.00	1.32 (0.57-3.08)	1.15 (0.57-2.33)	0.69 (0.23-2.08)	0.70 (0.29-1.68)	0.64	0.99	
rs9367622	HCRTR2	6	Male	0.16	386	1.45 (0.92-2.29)	0.12	0.83	1.19 (0.48-2.98)	1.79 (0.67-4.81)	1.30 (0.56-3.03)	1.69 (0.66-4.35)	0.92	1.00	
			Female	0.15	403	1.11 (0.69-1.78)	0.66	1.00	0.74 (0.25-2.15)	0.87 (0.36-2.08)	1.70 (0.56-5.23)	1.56 (0.66-3.70)	0.56	0.99	
rs13134705	HCRTR2	6	Male	0.41	386	1.07 (0.65-1.77)	0.78	1.00	1.99 (0.52-7.72)	0.54 (0.22-1.35)	1.02 (0.41-2.51)	1.94 (0.62-6.05)	0.25	0.90	
			Female	0.38	403	1.14 (0.68-1.92)	0.61	1.00	0.53 (0.19-1.49)	1.42 (0.59-3.40)	1.07 (0.30-3.85)	2.11 (0.64-6.99)	0.32	0.94	
rs1322153	HCRTR2	6	Male	0.23	385	1.14 (0.70-1.86)	0.61	1.00	1.32 (0.44-3.95)	0.85 (0.34-2.10)	0.80 (0.31-2.09)	2.26 (0.79-6.49)	0.45	1.00	
			Female	0.20	402	0.93 (0.55-1.58)	0.79	1.00	0.34 (0.09-1.26)	0.72 (0.29-1.83)	2.97 (0.81-10.88)	1.34 (0.49-3.64)	0.09	0.51	
rs14142972	HCRTR2	6	Male	0.17	386	0.94 (0.56-1.60)	0.82	1.00	1.02 (0.33-3.13)	0.48 (0.16-1.43)	1.04 (0.40-2.73)	1.66 (0.62-4.90)	0.45	1.00	
			Female	0.18	403	0.94 (0.55-1.61)	0.83	1.00	0.67 (0.20-2.25)	1.71 (0.73-4.04)	0.41 (0.08-2.04)	0.79 (0.27-2.29)	0.32	0.94	
rs1322154	HCRTR2	6	Male	0.21	384	1.07 (0.65-1.75)	0.80	1.00	0.81 (0.25-2.59)	1.75 (0.71-4.34)	1.28 (0.52-3.18)	0.52 (0.17-1.62)	0.37	0.98	
			Female	0.20	403	0.80 (0.47-1.38)	0.42	1.00	1.63 (0.57-4.65)	0.56 (0.23-1.38)	0.68 (0.18-2.55)	0.73 (0.22-2.45)	0.49	0.97	
rs12662510	HCRTR2	6	Male	0.15	378	1.31 (0.77-2.21)	0.32	0.99	0.92 (0.28-2.99)	1.61 (0.61-4.30)	1.08 (0.41-2.85)	1.83 (0.58-5.79)	0.80	1.00	
			Female	0.15	399	1.09 (0.63-1.91)	0.75	1.00	0.59 (0.16-2.26)	0.68 (0.25-1.90)	2.30 (0.62-8.50)	1.81 (0.64-5.12)	0.28	0.92	
rs9370403	HCRTR2	6	Male	0.20	373	0.98 (0.62-1.55)	0.94	1.00	0.79 (0.28-2.18)	1.56 (0.63-3.87)	1.13 (0.51-2.55)	0.58 (0.20-1.66)	0.50	1.00	
			Female	0.19	386	0.72 (0.43-1.19)	0.18	0.93	1.23 (0.46-3.30)	0.49 (0.20-1.18)	1.00 (0.37-2.70)	0.50 (0.14-1.72)	0.46	0.99	
rs13134710	HCRTR2	6	Male	0.25	386	1.01 (0.67-1.53)	0.95	1.00	0.98 (0.37-2.57)	1.06 (0.48-2.34)	1.02 (0.48-2.18)	0.97 (0.42-2.27)	1.00	1.00	
			Female	0.25	403	0.75 (0.49-1.15)	0.18	0.93	0.78 (0.34-1.79)	0.38 (0.17-0.89)	1.76 (0.65-4.78)	0.90 (0.41-2.98)	0.13	0.64	
rs1322156	HCRTR2	6	Male	0.25	386	1.01 (0.67-1.52)	0.97	1.00	0.95 (0.37-2.46)	1.06 (0.48-2.34)	1.02 (0.48-2.18)	0.97 (0.42-2.27)	1.00	1.00	
			Female	0.25	403	0.75 (0.49-1.14)	0.17	0.91	0.78 (0.34-1.79)	0.38 (0.17-0.88)	1.76 (0.65-4.78)	0.90 (0.41-1.98)	0.12	0.62	
rs4311511	HCRTR2	6	Male	0.30	383	0.93 (0.63-1.37)	0.70	1.00	0.92 (0.37-2.25)	0.95 (0.46-1.95)	1.22 (0.61-2.46)	0.63 (0.27-1.48)	0.70	1.00	
			Female	0.28	399	0.81 (0.54-1.22)	0.31	0.99	0.83 (0.37-1.83)	0.56 (0.27-1.19)	1.79 (0.70-4.60)	0.72 (0.31-1.66)	0.29	0.93	
rs4311512	HCRTR2	6	Male	0.29	386	0.93 (0.63-1.36)	0.71	1.00	0.92 (0.37-2.25)	0.91 (0.45-1.87)	1.27 (0.63-2.53)	0.63 (0.27-1.48)	0.66	1.00	
			Female	0.27	403	0.80 (0.53-1.19)	0.27	0.98	0.78 (0.35-1.71)	0.57 (0.27-1.19)	1.79 (0.70-4.60)	0.72 (0.31-1.67)	0.29	0.93	
rs9382467	HCRTR2	6	Male	0.48	386	1.18 (0.67-2.09)	0.56	1.00	1.21 (0.30-4.77)	1.18 (0.43-3.25)	1.91 (0.58-6.22)	0.71 (0.23-2.16)	0.69	1.00	
			Female	0.45	402	0.76 (0.45-1.28)	0.31	0.99	0.78 (0.27-2.22)	1.00 (0.41-2.40)	0.73 (0.17-3.11)	0.53 (0.19-1.47)	0.84	0.99	
rs9349768	HCRTR2	6	Male	0.22	386	1.03 (0.67-1.59)	0.89	1.00	1.13 (0.43-2.93)	1.05 (0.44-2.55)	1.29 (0.58-2.83)	0.72 (0.29-1.77)	0.80	1.00	
			Female	0.22	403	0.69 (0.44-1.08)	0.09	0.75	0.71 (0.29-1.73)	0.41 (0.18-0.97)	1.61 (0.55-4.67)	0.74 (0.31-1.79)	0.27	0.91	
rs7771240	HCRTR2	6	Male	0.29	386	0.90 (0.61-1.34)	0.61	1.00	0.92 (0.37-2.25)	0.82 (0.39-1.71)	1.33 (0.65-2.71)	0.61 (0.26-1.44)	0.56	1.00	
			Female	0.27	402	0.80 (0.54-1.20)	0.28	0.99	0.79 (0.36-1.75)	0.57 (0.27-1.19)	1.80 (0.70-4.60)	0.72 (0.31-1.67)	0.29	0.93	
rs9357850	HCRTR2	6	Male	0.22	386	1.04 (0.67-1.60)	0.88	1.00	1.13 (0.43-2.93)	1.06 (0.44-2.55)	1.38 (0.61-3.13)	0.69 (0.28-1.71)	0.73	1.00	
			Female	0.23	403	0.69 (0.44-1.07)	0.09	0.74	0.71 (0.29-1.73)	0.41 (0.18-0.97)	1.49 (0.53-4.13)	0.74 (0.31-1.79)	0.30	0.93	
rs9475210	HCRTR2	6	Male	0.07	386	0.72 (0.34-1.53)	0.38	0.99	0.49 (0.06-4.27)	0.68 (0.20-2.35)	1.15 (0.33-4.01)	0.41 (0.05-3.50)	0.81	1.00	
			Female	0.05	403	1.33 (0.60-2.96)	0.49	1.00	0.53 (0.06-4.45)	2.23 (0.58-8.58)	2.87 (0.49-16.77)	0.81 (0.16-4.12)	0.48	0.99	
rs4074181	HCRTR2	6	Male	0.22	386	1.04 (0.67-1.60)	0.88	1.00	1.13 (0.43-2.93)	1.06 (0.44-2.55)	1.38 (0.61-3.13)	0.69 (0.28-1.71)	0.73	1.00	
			Female	0.22	402	0.70 (0.45-1.09)	0.10	0.78	0.75 (0.31-1.85)	0.41 (0.18-0.97)	1.49 (0.53-4.13)	0.75 (0.32-1.76)	0.30	0.93	
rs13134711	HCRTR2	6	Male	0.29	386	0.90 (0.61-1.34)	0.61	1.00	0.92 (0.37-2.25)	0.82 (0.39-1.71)	1.33 (0.65-2.71)	0.61 (0.26-1.44)	0.56	1.00	
			Female	0.27	403	0.80 (0.53-1.19)	0.26	0.98	0.78 (0.35-1.71)	0.57 (0.27-1.19)	1.79 (0.70-4.60)	0.72 (0.32-1.64)	0.29	0.93	
rs7741664	HCRTR2	6	Male	0.26	386	0.99 (0.65-1.50)	0.96	1.00	1.10 (0.43-2.81)	1.00 (0.45-2.26)	1.23 (0.58-2.58)	0.66 (0.26-1.64)	0.76	1.00	
			Female	0.25	402	0.73 (0.48-1.11)	0.13	0.85	0.76 (0.33-1.76)	0.45 (0.20-1.01)	1.57 (0.60-4.11)	0.72 (0.32-1.65)	0.28	0.91	
rs9357853	HCRTR2	6	Male	0.26	386	1.01 (0.66-1.53)	0.98	0.98	1.10 (0.43-2.81)	0.97 (0.43-2.19)	1.23 (0.58-2.58)	0.71 (0.31-1.81)	0.86	1.00	
			Female	0.26	403	0.71 (0.47-1.08)	0.10	0.77	0.71 (0.31-1.63)	0.45 (0.20-0.99)	1.57 (0.60-4.11)	0.72 (0.32-1.65)	0.27	0.91	
rs1322167	HCRTR2	6	Male	0.30	386	0.89 (0.60-1.31)	0.55	1.00	0.92 (0.37-2.25)	0.82 (0.39-1.71)	1.23 (0.62-2.42)	0.61 (0.26-1.44)	0.64	1.00	
			Female	0.28	401	0.79 (0.53-1.18)	0.24	0.97	0.77 (0.35-1.69)	0.56 (0.27-1.16)	1.80 (0.70-4.61)	0.72 (0.32-1.64)	0.28	0.92	
rs1322169	HCRTR2	6	Male	0.19	385	0.92 (0.55-1.53)	0.74	1.00	0.98 (0.32-3.02)	0.83 (0.32-2.14)	1.16 (0.45-2.99)	0.71 (0.23-2.23)	0.92	1.00	
			Female	0.18	403	1.02 (0.60-1.74)	0.94	1.00	1.07 (0.36-3.17)	1.41 (0.58-3.40)	0.68 (0.16-2.82)	0.77 (0.25-2.37)	0.78	1.00	
rs2811239	HCRTR2	6	Male	0.19	386	1.09 (0.71-1.67)	0.71	1.00	1.27 (0.53-3.07)	1.02 (0.44-2.40)	1.17 (0.54-2.53)	0.89 (0.35-2.28)	0.95	1.00	
			Female	0.17	403	1.08 (0.69-1.69)	0.74	1.00	1.17 (0.48-2.84)	1.72 (0.74-4.01)	0.60 (0.18-1.99)	0.89 (0.36-2.21)	0.48	0.99	
rs2653342	HCRTR2	6	Male	0.16	386	1.08 (0.69-1.69)	0.73	1.00	0.85 (0.30-2.43)	1.11 (0.46-2.66)	1.20 (0.56-2.60)	1.10 (0.42-2.88)	0.96	1.00	
			Female	0.15	403	1.12 (0.70-1.80)	0.64	1.00	1.27 (0.51-3.16)	1.69 (0.72-3.98)	0.65 (0.19-2.19)	0.89 (0.32-2.45)	0.57	0.98	
rs2653343	HCRTR2	6	Male	0.20	386	1.08 (0.71-1.64)	0.71	1.00	0.86 (0.33-2.24)	1.07 (0.49-2.31)	1.17 (0.55-2.52)	1.22 (0.50-3.00)	0.95	1.00	
			Female	0.18	403	1.15 (0.74-1.79)	0.53	1.00	1.18 (0.52-2.68)	1.64 (0.74-3.65)	0.80 (0.27-2.37)	0.91 (0.34-2.48)	0.70	0.99	
rs2134294	HCRTR2	6	Male	0.47	385	0.96 (0.68-1.36)	0.81	1.00	0.93 (0.41-2.09)	0.94 (0.50-1.75)	1.25 (0.64-2.44)	0.74 (0.36-1.54)	0.78	1.00	
			Female	0.43	402	0.93 (0.65-1.33)	0.69	1.00	0.95 (0.48-1.86)						

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction	
						Likelihood ratio test		Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P	
						SNP OR (95% CI)	Observed P							SNP OR (95% CI)
rs11568817	HTR1B	6	Male	0.47	386	0.98 (0.70-1.39)	0.93	0.93	0.86 (0.41-1.83)	1.48 (0.74-2.95)	0.99 (0.54-1.83)	0.67 (0.30-1.47)	0.49	0.99
			Female	0.43	403	1.07 (0.74-1.53)	0.73	1.00	0.92 (0.43-1.96)	1.12 (0.60-2.08)	0.71 (0.27-1.85)	1.45 (0.71-2.94)	0.65	1.00
rs1228814	HTR1B	6	Male	0.46	380	0.97 (0.69-1.38)	0.88	1.00	0.83 (0.39-1.77)	1.51 (0.73-3.12)	0.99 (0.54-1.82)	0.66 (0.30-1.46)	0.47	0.99
			Female	0.43	395	0.99 (0.68-1.45)	0.97	1.00	0.65 (0.28-1.52)	1.21 (0.64-2.28)	0.70 (0.27-1.83)	1.30 (0.62-2.69)	0.49	0.98
rs4140555	HTR1B	6	Male	0.38	386	0.95 (0.58-1.55)	0.84	1.00	1.05 (0.34-3.24)	0.47 (0.19-1.16)	1.21 (0.49-3.03)	1.72 (0.55-5.35)	0.28	0.90
			Female	0.38	403	0.84 (0.51-1.40)	0.51	1.00	1.00 (0.35-2.84)	0.67 (0.28-1.57)	2.24 (0.45-11.28)	0.62 (0.23-1.68)	0.50	0.98
rs10806098	HTR1B	6	Male	0.29	386	1.03 (0.72-1.48)	0.87	1.00	0.64 (0.25-1.65)	0.90 (0.45-1.81)	1.12 (0.59-2.13)	1.48 (0.71-3.10)	0.54	1.00
			Female	0.28	403	1.08 (0.72-1.62)	0.70	1.00	0.70 (0.29-1.72)	1.21 (0.63-2.32)	1.94 (0.71-5.30)	0.91 (0.39-2.12)	0.47	0.99
rs1213365	HTR1B	6	Male	0.47	356	1.08 (0.62-1.88)	0.80	1.00	1.14 (0.32-4.10)	0.55 (0.19-1.62)	1.56 (0.58-4.23)	1.31 (0.38-4.53)	0.55	1.00
			Female	0.49	373	1.18 (0.65-2.14)	0.58	1.00	1.44 (0.43-4.86)	0.73 (0.26-2.05)	1.66 (0.32-8.52)	1.43 (0.46-4.41)	0.76	1.00
rs1213366	HTR1B	6	Male	0.46	386	1.04 (0.74-1.47)	0.80	1.00	0.91 (0.43-1.94)	1.37 (0.70-2.69)	1.13 (0.61-2.09)	0.76 (0.36-1.62)	0.68	0.99
			Female	0.43	403	1.01 (0.70-1.46)	0.94	1.00	0.97 (0.46-2.04)	1.01 (0.53-1.91)	0.68 (0.26-1.79)	1.32 (0.66-2.65)	0.74	1.00
rs1213369	HTR1B	6	Male	0.42	386	0.86 (0.52-1.42)	0.55	1.00	0.68 (0.22-2.13)	0.49 (0.20-1.23)	1.26 (0.49-3.19)	1.37 (0.44-4.27)	0.41	0.98
			Female	0.43	403	0.78 (0.46-1.32)	0.36	0.99	0.81 (0.28-2.32)	0.68 (0.27-1.67)	1.49 (0.29-7.60)	0.68 (0.25-1.85)	0.84	1.00
rs1213370	HTR1B	6	Male	0.45	386	1.33 (0.78-2.29)	0.29	0.97	1.29 (0.37-4.49)	0.92 (0.34-2.46)	1.62 (0.60-4.34)	1.72 (0.51-5.80)	0.83	1.00
			Female	0.47	403	1.28 (0.72-2.28)	0.39	0.99	1.40 (0.42-4.69)	0.92 (0.36-2.37)	1.78 (0.35-9.07)	1.55 (0.50-4.77)	0.86	1.00
rs1213371	HTR1B	6	Male	0.46	385	1.02 (0.72-1.45)	0.90	1.00	0.91 (0.43-1.94)	1.34 (0.68-2.65)	1.08 (0.58-2.02)	0.76 (0.36-1.62)	0.72	1.00
			Female	0.43	400	1.04 (0.72-1.49)	0.84	1.00	0.97 (0.46-2.04)	1.02 (0.54-1.91)	0.80 (0.31-2.03)	1.32 (0.66-2.65)	0.85	1.00
rs1936158	HTR1B	6	Male	0.40	386	0.92 (0.56-1.51)	0.74	1.00	1.11 (0.35-3.58)	0.49 (0.20-1.20)	1.15 (0.46-2.88)	1.45 (0.47-4.53)	0.41	0.98
			Female	0.41	403	0.71 (0.43-1.19)	0.20	0.92	0.85 (0.30-2.43)	0.53 (0.22-1.25)	1.99 (0.39-10.08)	0.56 (0.21-1.51)	0.45	0.98
rs12173930	HTR1B	6	Male	0.11	384	0.97 (0.53-1.76)	0.92	1.00	1.06 (0.26-4.25)	1.14 (0.42-3.05)	1.18 (0.38-3.73)	0.47 (0.10-2.27)	0.76	1.00
			Female	0.13	403	1.17 (0.65-2.08)	0.60	1.00	1.23 (0.42-3.66)	1.08 (0.38-3.05)	1.47 (0.35-6.28)	1.06 (0.34-3.33)	0.98	1.00
rs2798949	HTR1B	6	Male	0.37	386	1.47 (0.88-2.46)	0.14	0.82	2.09 (0.67-7.16)	1.56 (0.61-4.00)	2.72 (0.92-8.01)	0.53 (0.18-1.49)	0.15	0.68
			Female	0.34	402	0.95 (0.57-1.57)	0.83	1.00	0.92 (0.33-2.56)	0.72 (0.31-1.67)	0.66 (0.18-2.40)	1.94 (0.63-5.94)	0.49	0.98
rs9352483	HTR1B	6	Male	0.14	385	0.75 (0.42-1.34)	0.33	0.98	0.73 (0.18-2.91)	0.67 (0.24-1.92)	0.59 (0.20-1.76)	1.22 (0.38-3.92)	0.83	0.99
			Female	0.15	402	1.53 (0.90-2.62)	0.12	0.81	0.98 (0.32-3.05)	1.70 (0.70-4.12)	1.38 (0.36-5.25)	2.21 (0.74-6.61)	0.78	1.00
rs4543330	HTR1B	6	Male	0.15	386	1.54 (0.97-2.43)	0.07	0.60	1.43 (0.49-4.13)	2.14 (0.96-4.78)	1.63 (0.68-3.91)	0.85 (0.27-2.66)	0.61	1.00
			Female	0.15	402	0.91 (0.56-1.50)	0.72	1.00	1.11 (0.37-3.27)	0.69 (0.27-1.79)	0.81 (0.24-2.78)	1.12 (0.47-2.65)	0.87	1.00
rs1343491	HTR1B	6	Male	0.08	386	0.62 (0.31-1.27)	0.17	0.87	1.07 (0.29-3.91)	0.66 (0.16-2.64)	0.25 (0.03-1.84)	0.67 (0.17-2.62)	0.64	1.00
			Female	0.09	403	0.68 (0.34-1.33)	0.24	0.95	2.45 (0.84-7.12)	0.32 (0.07-1.43)	0.30 (0.04-2.54)	0.41 (0.09-1.86)	0.06	0.39
rs9383321	CNR1	6	Male	0.12	386	0.66 (0.35-1.23)	0.18	0.86	0.70 (0.18-2.77)	0.92 (0.32-2.67)	0.49 (0.13-1.83)	0.54 (0.14-2.09)	0.88	0.88
			Female	0.11	403	0.84 (0.45-1.57)	0.58	0.99	1.55 (0.48-4.96)	0.51 (0.16-1.62)	0.89 (0.17-4.61)	0.82 (0.24-2.79)	0.62	0.86
rs9353524	CNR1	6	Male	0.22	384	1.13 (0.69-1.86)	0.62	0.99	0.82 (0.25-2.63)	1.12 (0.45-2.80)	0.94 (0.38-2.37)	1.90 (0.67-5.40)	0.70	0.93
			Female	0.21	403	0.74 (0.44-1.26)	0.26	0.92	0.97 (0.34-2.78)	1.13 (0.47-2.69)	0.34 (0.07-1.69)	0.48 (0.16-1.38)	0.42	0.80
rs10485171	CNR1	6	Male	0.41	385	0.99 (0.59-1.65)	0.96	0.96	0.57 (0.19-1.73)	1.45 (0.53-3.95)	0.57 (0.23-1.41)	2.73 (0.72-10.41)	0.14	0.46
			Female	0.43	402	1.82 (1.02-3.24)	0.04	0.35	1.70 (0.51-5.66)	2.34 (0.86-6.35)	2.38 (0.47-11.99)	1.21 (0.42-3.54)	0.82	0.82
rs806365	CNR1	6	Male	0.46	385	0.75 (0.44-1.28)	0.29	0.94	1.06 (0.30-3.75)	2.05 (0.62-6.78)	2.41 (0.74-8.04)	0.01 (0.01-0.21)	3.76 × 10 <sup>-4</sup>	3.86 × 10 <sup>-5</sup>
			Female	0.44	400	0.66 (0.39-1.11)	0.12	0.71	0.30 (0.11-0.87)	0.80 (0.33-1.92)	0.53 (0.14-1.95)	1.32 (0.43-4.12)	0.27	0.73
rs7766029	CNR1	6	Male	0.50	386	1.08 (0.61-1.92)	0.79	0.99	1.42 (0.41-4.92)	1.65 (0.49-5.50)	1.66 (0.50-5.50)	0.39 (0.13-1.15)	0.21	0.61
			Female	0.48	403	0.51 (0.30-0.87)	0.02	0.18	0.28 (0.10-0.80)	1.62 (0.46-3.20)	1.14 (0.04-5.57)	0.68 (0.24-1.96)	0.04	0.23
rs806366	CNR1	6	Male	0.49	386	1.23 (0.69-2.17)	0.48	0.99	1.11 (0.34-3.57)	0.76 (0.29-1.99)	1.30 (0.43-3.92)	5.04 (0.62-40.85)	0.33	0.76
			Female	0.49	402	0.75 (0.43-1.31)	0.32	0.92	2.13 (0.57-8.02)	0.60 (0.23-1.54)	0.44 (0.12-1.61)	0.61 (0.20-1.84)	0.28	0.76
rs806368	CNR1	6	Male	0.23	383	1.15 (0.70-1.88)	0.57	0.99	0.81 (0.25-2.59)	1.20 (0.48-2.97)	0.93 (0.37-2.35)	1.93 (0.68-5.51)	0.68	0.92
			Female	0.21	399	0.73 (0.43-1.24)	0.24	0.90	1.23 (0.44-3.45)	0.95 (0.39-2.29)	0.31 (0.06-1.52)	0.49 (0.17-1.41)	0.37	0.80
rs1049353	CNR1	6	Male	0.25	383	0.95 (0.58-1.52)	0.84	0.96	1.03 (0.33-3.18)	0.72 (0.29-1.81)	0.78 (0.32-1.91)	1.67 (0.58-4.81)	0.64	0.92
			Female	0.26	402	0.90 (0.54-1.48)	0.67	1.00	1.87 (0.66-5.30)	0.63 (0.27-1.49)	0.86 (0.23-3.22)	0.74 (0.27-2.03)	0.43	0.75
rs806369	CNR1	6	Male	0.31	386	1.14 (0.78-1.67)	0.49	0.99	2.16 (0.97-4.79)	1.31 (0.64-2.71)	1.68 (0.82-3.42)	0.14 (0.03-0.63)	7.65 × 10 <sup>-3</sup>	6.80 × 10 <sup>-3</sup>
			Female	0.30	403	0.78 (0.53-1.16)	0.22	0.89	0.55 (0.23-1.32)	0.80 (0.43-1.49)	0.65 (0.13-3.52)	1.42 (0.63-3.22)	0.31	0.79
rs806371	CNR1	6	Male	0.13	386	1.50 (0.88-2.57)	0.14	0.80	0.59 (0.12-2.92)	1.13 (0.40-3.21)	1.21 (0.45-3.21)	4.61 (1.55-13.66)	0.10	0.38
			Female	0.13	403	0.73 (0.39-1.37)	0.32	0.95	1.26 (0.40-3.96)	1.36 (0.50-3.71)	NA	0.43 (0.12-1.64)	0.04	0.21
rs806374	CNR1	6	Male	0.35	386	1.29 (0.91-1.82)	0.15	0.81	1.68 (0.76-3.70)	0.97 (0.50-1.87)	1.29 (0.68-2.43)	1.49 (0.72-3.05)	0.73	0.70
			Female	0.35	401	0.84 (0.57-1.23)	0.36	0.95	1.39 (0.64-3.03)	0.52 (0.26-1.03)	0.65 (0.23-1.84)	1.11 (0.52-2.37)	0.23	0.91
rs806375	CNR1	6	Male	0.49	385	0.79 (0.57-1.11)	0.17	0.84	0.46 (0.22-1.00)	0.71 (0.39-1.27)	0.98 (0.52-1.85)	1.31 (0.59-2.89)	0.25	0.66
			Female	0.42	402	1.03 (0.72-1.47)	0.88	0.88	1.13 (0.58-2.22)	1.03 (0.54-1.95)	1.35 (0.56-3.22)	0.77 (0.37-1.60)	0.79	0.93
rs806376	CNR1	6	Male	0.47	386	0.83 (0.59-1.16)	0.27	0.93	0.55 (0.26-1.17)	0.72 (0.40-1.31)	0.88 (0.46-1.69)	1.48 (0.69-3.15)	0.29	0.72
			Female	0.47	402	1.10 (0.77-1.57)	0.61	0.99	1.48 (0.73-3.00)	1.20 (0.65-2.20)	1.22 (0.51-2.93)	0.63 (0.29-1.36)	0.40	0.79
rs806377	CNR1	6	Male	0.44	386	1.26 (0.89-1.76)	0.19	0.85	1.68 (0.79-3.55)	1.52 (0.83-2.80)	1.21 (0.63-2.33)	0.73 (0.34-1.55)	0.39	0.82
			Female	0.49	402	0.94 (0.66-1.33)	0.71	0.99	0.74 (0.37-1.51)	0.81 (0.44-1.49)	0.93 (0.38-2.31)	1.44 (0.70-2.97)	0.57	0.86
rs806378	CNR1	6	Male	0.30	381	0.90 (0.63-1.29)	0.56	0.99	0.58 (0.24-1.39)	0.98 (0.52-1.82)	1.23 (0.63-2.39)	0.76 (0.32-1.80)	0.56	0.93
			Female	0.25	394	0.96 (0.62-1.46)	0.83	0.99	0.66 (0.27-1.63)	1.25 (0.59-2.65)	1.64 (0.64-4.23)	0.66 (0.28-1.58)	0.38	0.80
rs2023239	CNR1	6	Male	0.18	386	0.85 (0.50-1.43)	0.54	0.99	0.66 (0.20-2.11)	0.51 (0.18-1.46)	0.61 (0.22-1.71)	2.81 (0.97-8.17)	0.10	0.38
			Female	0.17	403	1.33 (0.79-2.25)	0.29	0.93	2.99 (1.05-8.53)	1.07 (0.44-2.61)	0			

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction			
						Likelihood ratio test		SNP OR (95% CI)	Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P									
rs10457561	EPB41L2	6	Female	0.14	386	0.88 (0.53-1.46)	0.61	1.00	0.34 (0.08-1.54)	1.23 (0.49-3.11)	0.72 (0.28-1.87)	1.41 (0.52-3.82)	0.33	0.84		
			Female	0.17	403	1.22 (0.76-1.97)	0.41	0.99	1.97 (0.82-4.73)	0.91 (0.40-2.09)	1.94 (0.53-7.16)	0.81 (0.29-2.26)	0.43	0.96		
rs6569709	EPB41L2	6	Male	0.31	386	1.16 (0.82-1.63)	0.40	1.00	0.90 (0.43-1.88)	0.67 (0.33-1.36)	1.89 (0.96-3.70)	1.54 (0.77-3.09)	0.14	0.57		
			Female	0.31	403	1.07 (0.73-1.57)	0.74	1.00	0.67 (0.30-1.50)	1.44 (0.76-2.74)	0.76 (0.26-2.26)	1.34 (0.61-2.94)	0.40	0.95		
rs933063	EPB41L2	6	Male	0.30	386	0.93 (0.65-1.34)	0.70	1.00	0.99 (0.46-2.15)	0.96 (0.49-1.90)	0.72 (0.36-1.46)	1.17 (0.54-2.53)	0.83	1.00		
			Female	0.33	401	0.99 (0.67-1.47)	0.97	1.00	1.45 (0.69-3.03)	0.57 (0.28-1.18)	1.81 (0.75-4.35)	0.81 (0.36-1.85)	0.15	0.63		
rs3777432	EPB41L2	6	Male	0.15	386	0.87 (0.52-1.44)	0.57	1.00	0.34 (0.08-1.54)	1.23 (0.49-3.11)	0.70 (0.28-1.77)	1.41 (0.52-3.82)	0.32	0.83		
			Female	0.17	403	1.28 (0.80-2.06)	0.30	0.97	1.90 (0.79-4.57)	0.96 (0.42-2.18)	1.94 (0.53-7.17)	1.00 (0.37-2.65)	0.59	0.98		
rs915172	EPB41L2	6	Male	0.29	385	1.00 (0.62-1.63)	0.99	0.99	1.20 (0.40-3.58)	1.15 (0.47-2.81)	0.79 (0.32-1.93)	0.98 (0.35-2.77)	0.93	1.00		
			Female	0.32	403	1.01 (0.61-1.67)	0.97	0.97	1.71 (0.59-5.00)	0.50 (0.21-1.18)	2.82 (0.68-11.61)	0.92 (0.33-2.54)	0.12	0.60		
rs7775013	EPB41L2	6	Male	0.39	386	0.95 (0.67-1.33)	0.75	1.00	1.16 (0.57-2.37)	1.44 (0.75-2.78)	0.75 (0.40-1.43)	0.61 (0.28-1.30)	0.28	0.82		
			Female	0.36	403	1.02 (0.71-1.48)	0.90	1.00	1.00 (0.45-2.20)	1.14 (0.63-2.07)	0.82 (0.32-2.05)	1.04 (0.49-2.20)	0.95	1.00		
rs17059736	EPB41L2	6	Male	0.12	386	1.13 (0.63-2.02)	0.68	1.00	2.16 (0.64-7.32)	1.52 (0.55-4.17)	0.65 (0.20-2.14)	0.74 (0.19-2.89)	0.45	0.90		
			Female	0.14	403	0.59 (0.32-1.11)	0.09	0.65	0.54 (0.14-2.05)	0.19 (0.04-0.86)	1.93 (0.50-7.50)	0.80 (0.27-2.34)	0.12	0.60		
rs3777438	EPB41L2	6	Male	0.17	376	0.96 (0.56-1.64)	0.88	1.00	1.41 (0.42-4.69)	0.99 (0.38-2.57)	0.94 (0.34-2.56)	0.66 (0.19-2.24)	0.86	1.00		
			Female	0.17	394	1.14 (0.66-1.96)	0.65	1.00	2.00 (0.68-5.87)	0.36 (0.11-1.13)	1.49 (0.39-5.75)	1.93 (0.69-5.40)	0.08	0.47		
rs3822859	EPB41L2	6	Male	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
rs3798249	EPB41L2	6	Male	0.48	385	1.11 (0.79-1.56)	0.55	1.00	1.26 (0.60-2.66)	0.62 (0.33-1.18)	1.62 (0.85-3.10)	1.30 (0.62-2.74)	0.19	0.70		
			Female	0.49	403	1.02 (0.72-1.45)	0.90	1.00	0.99 (0.50-1.99)	0.90 (0.52-1.57)	0.79 (0.31-2.05)	1.54 (0.73-3.26)	0.64	0.98		
rs2839942	EPB41L2	6	Male	0.31	385	1.04 (0.64-1.69)	0.88	1.00	0.82 (0.27-2.45)	0.52 (0.21-1.28)	2.14 (0.86-5.31)	1.21 (0.43-3.43)	0.17	0.65		
			Female	0.32	402	1.10 (0.66-1.82)	0.72	1.00	0.74 (0.26-2.10)	1.35 (0.57-3.20)	0.82 (0.23-2.96)	1.43 (0.50-4.07)	0.75	0.98		
rs12206057	EPB41L2	6	Male	0.17	386	0.88 (0.55-1.42)	0.60	1.00	1.34 (0.48-3.69)	0.94 (0.42-2.12)	0.76 (0.29-1.98)	0.61 (0.19-1.92)	0.76	0.99		
			Female	0.17	403	1.12 (0.69-1.80)	0.65	1.00	1.59 (0.67-3.76)	0.44 (0.15-1.25)	1.13 (0.37-3.46)	1.91 (0.74-4.94)	0.15	0.65		
rs4897472	EPB41L2	6	Male	0.48	386	1.08 (0.77-1.52)	0.65	1.00	1.12 (0.54-2.31)	0.62 (0.33-1.19)	1.62 (0.85-3.10)	1.30 (0.62-2.74)	0.20	0.69		
			Female	0.49	403	1.02 (0.72-1.45)	0.90	1.00	0.99 (0.50-1.99)	0.90 (0.52-1.57)	0.79 (0.31-2.05)	1.54 (0.73-3.26)	0.64	0.98		
rs4897473	EPB41L2	6	Male	0.36	386	0.98 (0.69-1.39)	0.90	1.00	1.17 (0.55-2.47)	1.58 (0.81-3.06)	0.72 (0.38-1.39)	0.64 (0.28-1.46)	0.25	0.78		
			Female	0.33	403	0.94 (0.65-1.38)	0.77	1.00	0.89 (0.41-1.93)	1.14 (0.62-2.10)	0.79 (0.29-2.15)	0.84 (0.38-1.81)	0.89	1.00		
rs10499177	EPB41L2	6	Male	0.07	386	0.90 (0.45-1.78)	0.76	1.00	1.73 (0.53-5.69)	0.95 (0.29-3.09)	0.70 (0.14-3.52)	0.34 (0.04-2.66)	0.51	0.94		
			Female	0.10	403	0.96 (0.52-1.79)	0.91	1.00	1.13 (0.36-3.59)	0.30 (0.06-1.37)	1.70 (0.45-6.45)	1.48 (0.49-4.52)	0.25	0.80		
rs2068147	EPB41L2	6	Male	0.48	386	1.08 (0.77-1.52)	0.65	1.00	1.12 (0.55-2.31)	0.62 (0.33-1.19)	1.62 (0.85-3.10)	1.30 (0.62-2.74)	0.20	0.69		
			Female	0.49	403	1.02 (0.72-1.45)	0.90	1.00	0.99 (0.50-1.99)	0.90 (0.52-1.57)	0.79 (0.31-2.05)	1.54 (0.73-3.26)	0.64	0.98		
rs3777450	EPB41L2	6	Male	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
rs1999474	EPB41L2	6	Male	0.28	383	1.10 (0.68-1.80)	0.70	1.00	0.62 (0.20-1.99)	0.71 (0.29-1.75)	1.96 (0.79-4.90)	1.51 (0.53-4.29)	0.29	0.79		
			Female	0.27	403	1.16 (0.70-1.91)	0.57	1.00	0.65 (0.22-1.89)	1.68 (0.72-3.93)	0.53 (0.14-2.00)	1.85 (0.67-5.10)	0.25	0.80		
rs12528626	EPB41L2	6	Male	0.07	386	0.90 (0.45-1.78)	0.76	1.00	1.61 (0.49-5.28)	0.95 (0.29-3.10)	0.70 (0.14-3.52)	0.37 (0.05-2.88)	0.60	0.98		
			Female	0.09	403	0.91 (0.48-1.73)	0.78	1.00	1.19 (0.37-3.80)	0.14 (0.02-1.12)	2.14 (0.48-9.52)	1.49 (0.49-4.53)	0.07	0.42		
rs3777457	EPB41L2	6	Male	0.17	386	0.98 (0.58-1.65)	0.93	1.00	1.54 (0.49-4.80)	1.13 (0.45-2.87)	0.79 (0.29-2.13)	0.66 (0.19-2.26)	0.74	0.99		
			Female	0.17	403	1.03 (0.60-1.76)	0.92	1.00	1.82 (0.62-5.29)	0.32 (0.10-1.00)	1.50 (0.39-5.73)	1.65 (0.61-4.50)	0.07	0.44		
rs7766004	EPB41L2	6	Male	0.28	386	1.11 (0.68-1.81)	0.67	1.00	0.62 (0.20-1.99)	0.71 (0.29-1.75)	2.03 (0.83-5.01)	1.45 (0.51-4.11)	0.27	0.80		
			Female	0.27	403	1.18 (0.71-1.94)	0.52	1.00	0.67 (0.23-1.96)	1.68 (0.72-3.93)	0.57 (0.15-2.13)	1.85 (0.67-5.10)	0.29	0.84		
rs3822864	EPB41L2	6	Male	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
rs9321260	EPB41L2	6	Male	0.18	386	0.96 (0.58-1.62)	0.89	1.00	1.97 (0.64-6.00)	0.99 (0.39-2.49)	0.80 (0.30-2.15)	0.58 (0.17-1.96)	0.50	0.93		
			Female	0.19	403	1.01 (0.60-1.71)	0.96	1.00	1.62 (0.56-4.70)	0.45 (0.17-1.22)	1.29 (0.34-4.91)	1.50 (0.55-4.07)	0.24	0.79		
rs3777463	EPB41L2	6	Male	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
rs3777464	EPB41L2	6	Male	0.08	386	0.82 (0.43-1.57)	0.54	1.00	1.90 (0.62-5.84)	0.69 (0.23-2.10)	0.64 (0.13-3.14)	0.32 (0.04-2.52)	0.36	0.86		
			Female	0.11	403	0.88 (0.49-1.58)	0.66	1.00	1.11 (0.35-3.54)	0.25 (0.06-1.10)	2.09 (0.60-7.23)	1.16 (0.41-3.25)	0.12	0.61		
rs3777466	EPB41L2	6	Male	0.46	386	1.13 (0.80-1.59)	0.50	1.00	1.11 (0.54-2.28)	0.71 (0.37-1.36)	1.56 (0.81-3.02)	1.37 (0.65-2.90)	0.37	0.86		
			Female	0.46	403	1.07 (0.75-1.52)	0.71	1.00	0.95 (0.46-1.94)	0.92 (0.52-1.61)	0.71 (0.27-1.90)	2.03 (0.94-4.40)	0.28	0.83		
rs9492767	EPB41L2	6	Male	0.17	384	1.04 (0.62-1.77)	0.87	1.00	1.14 (0.37-3.53)	0.84 (0.32-2.22)	0.94 (0.34-2.55)	1.48 (0.49-4.50)	0.89	1.00		
			Female	0.19	401	1.25 (0.74-2.09)	0.41	0.99	1.01 (0.35-2.86)	1.06 (0.44-2.56)	2.99 (0.81-11.05)	1.12 (0.39-3.22)	0.56	0.98		
rs9375785	EPB41L2	6	Male	0.16	386	0.83 (0.51-1.37)	0.46	1.00	0.53 (0.15-1.86)	1.04 (0.41-2.62)	0.67 (0.28-1.62)	1.28 (0.45-3.67)	0.65	0.98		
			Female	0.18	402	1.12 (0.70-1.79)	0.65	1.00	1.19 (0.48-2.93)	1.15 (0.53-2.48)	1.97 (0.64-6.03)	0.58 (0.18-1.87)	0.51	0.98		
rs2297853	EPB41L2	6	Male	0.34	386	0.82 (0.50-1.33)	0.41	1.00	1.18 (0.39-3.54)	1.02 (0.41-2.51)	0.56 (0.23-1.37)	0.72 (0.26-2.05)	0.70	0.98		
			Female	0.36	401	1.12 (0.67-1.87)	0.67	1.00	2.06 (0.67-6.30)	0.52 (0.22-1.21)	2.24 (0.54-9.28)	1.33 (0.46-3.88)	0.14	0.65		
rs6941712	EPB41L2	6	Male	0.11	386	0.78 (0.44-1.40)	0.40	1.00	1.74 (0.63-4.75)	0.56 (0.20-1.59)	0.65 (0.17-2.46)	0.49 (0.11-2.25)	0.37	0.83		
			Female	0.13	403	1.02 (0.59-1.74)	0.95	1.00	1.22 (0.41-3.60)	0.34 (0.10-1.22)	2.30 (0.69-7.61)	1.32 (0.51-3.41)	0.13	0.64		
rs2105250	EPB41L2	6	Male	0.28	385	1.15 (0.71-1.88)	0.57	1.00	0.62 (0.20-1.99)	0.71 (0.29-1.75)	2.45 (0.97-6.16)	1.39 (0.49-3.93)	0.17	0.67		
			Female	0.27	402	1.06 (0.64-1.75)	0.83	1.00	0.54 (0.18-1.67)	1.47 (0.63-3.41)	0.53 (0.14-2.00)	1.77 (0.64-4.88)	0.25	0.79		
rs2095961	EPB41L2	6	Male	0.34	386	0.82 (0.50-1.33)	0.42	1.00	1.12 (0.37-3.37)	1.02 (0.41-2.51)	0.59 (0.24-1.45)	0.72 (0.26-2.05)	0.77	0.99		
			Female	0.36	403	1.08 (0.65-1.82)	0.76	1.00	2.05 (0.67-6.29)	0.47 (0.20-1.11)	2.25 (0.54-9.30)	1.33 (0.46-3.87)	0.11	0.57		
rs12527605	EPB41L2															

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction		
						Likelihood ratio test		Placebo	Bupropion		Patch		Spray	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P		Adjusted P	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)			
rs563649	OPRM1	6	Male	0.10	386	0.98 (0.55-1.73)	0.94	0.94	0.61 (0.15-2.45)	2.13 (0.83-5.47)	1.04 (0.33-3.31)	0.34 (0.07-1.61)	0.16	0.78	
			Female	0.08	403	0.98 (0.48-1.99)	0.96	1.00	0.44 (0.09-2.08)	0.40 (0.08-1.89)	2.41 (0.53-10.88)	2.59 (0.74-9.05)	0.11	0.58	
rs9322446	OPRM1	6	Male	0.14	385	1.09 (0.66-1.81)	0.74	1.00	0.97 (0.30-3.16)	1.45 (0.63-3.37)	1.08 (0.40-2.97)	0.75 (0.24-2.37)	0.82	1.00	
			Female	0.16	403	1.09 (0.67-1.75)	0.74	1.00	1.26 (0.55-2.86)	1.11 (0.49-2.54)	1.36 (0.44-4.46)	0.65 (0.20-2.12)	0.79	1.00	
rs9479757	OPRM1	6	Male	0.10	385	0.79 (0.43-1.45)	0.43	0.99	1.28 (0.45-3.65)	1.01 (0.37-2.78)	0.40 (0.08-1.89)	0.32 (0.04-2.56)	0.43	0.97	
			Female	0.09	403	0.72 (0.37-1.40)	0.32	0.97	1.22 (0.39-3.82)	0.31 (0.07-1.42)	1.11 (0.27-4.55)	0.64 (0.18-2.34)	0.47	0.98	
rs2075572	OPRM1	6	Male	0.45	386	0.87 (0.62-1.22)	0.41	0.99	0.98 (0.47-2.07)	0.93 (0.49-1.77)	1.13 (0.61-2.12)	0.46 (0.21-1.04)	0.34	0.92	
			Female	0.40	403	0.69 (0.47-1.01)	0.05	0.50	0.80 (0.38-1.69)	0.53 (0.28-1.00)	0.71 (0.25-2.05)	0.88 (0.41-1.87)	0.75	1.00	
rs510587	OPRM1	6	Male	0.05	386	1.06 (0.49-2.29)	0.88	1.00	NA	1.15 (0.21-6.45)	1.87 (0.61-5.69)	1.00 (0.20-5.15)	0.18	0.82	
			Female	0.05	403	1.28 (0.62-2.65)	0.51	0.99	4.13 (1.20-14.22)	0.49 (0.11-2.15)	0.88 (0.10-8.03)	1.23 (0.23-7.60)	0.14	0.64	
rs9282821	OPRM1	6	Male	0.44	386	0.86 (0.51-1.43)	0.56	1.00	1.32 (0.38-4.56)	0.77 (0.29-2.03)	1.13 (0.44-2.88)	0.48 (0.16-1.39)	0.57	0.99	
			Female	0.39	403	0.59 (0.35-0.98)	0.04	0.43	0.65 (0.23-1.83)	0.44 (0.19-1.04)	0.87 (0.23-3.30)	0.63 (0.23-1.74)	0.84	1.00	
rs540825	OPRM1	6	Male	0.26	386	0.89 (0.60-1.32)	0.56	1.00	0.79 (0.31-1.97)	0.73 (0.36-1.48)	1.29 (0.66-2.54)	0.74 (0.28-1.96)	0.64	0.99	
			Female	0.24	403	0.76 (0.49-1.17)	0.21	0.92	0.96 (0.38-2.43)	0.75 (0.39-1.48)	0.47 (0.13-1.79)	0.79 (0.34-1.83)	0.86	1.00	
rs548646	OPRM1	6	Male	0.35	385	0.79 (0.49-1.29)	0.36	0.99	0.97 (0.32-3.00)	0.56 (0.23-1.39)	1.08 (0.44-2.68)	0.70 (0.24-2.02)	0.75	1.00	
			Female	0.33	403	0.70 (0.42-1.15)	0.16	0.85	1.02 (0.37-2.85)	0.67 (0.29-1.55)	0.66 (0.18-2.39)	0.53 (0.20-1.45)	0.85	1.00	
rs3798683	OPRM1	6	Male	0.14	386	0.76 (0.46-1.27)	0.28	0.97	0.38 (0.11-1.38)	0.49 (0.16-1.51)	1.04 (0.45-2.40)	1.47 (0.49-4.52)	0.30	0.91	
			Female	0.16	403	1.44 (0.90-2.29)	0.13	0.81	1.47 (0.54-4.02)	1.77 (0.85-3.68)	2.30 (0.70-7.49)	0.67 (0.22-2.08)	0.41	0.97	
rs599548	OPRM1	6	Male	0.13	385	1.19 (0.72-1.97)	0.49	1.00	0.95 (0.31-2.92)	1.68 (0.71-4.01)	1.63 (0.60-4.43)	0.62 (0.19-1.99)	0.48	0.98	
			Female	0.13	403	0.82 (0.47-1.44)	0.48	0.99	0.29 (0.06-1.37)	1.24 (0.53-2.90)	0.71 (0.14-3.60)	0.91 (0.32-2.61)	0.38	0.97	
rs9322447	OPRM1	6	Male	0.49	386	0.96 (0.68-1.36)	0.83	1.00	0.96 (0.45-2.05)	1.05 (0.54-2.02)	1.36 (0.72-2.55)	0.50 (0.22-1.13)	0.27	0.91	
			Female	0.46	403	0.69 (0.48-0.99)	0.04	0.42	0.73 (0.34-1.56)	0.72 (0.40-1.31)	0.57 (0.21-1.55)	0.67 (0.33-1.35)	0.98	0.98	
rs618207	OPRM1	6	Male	0.35	385	0.83 (0.51-1.36)	0.47	1.00	0.98 (0.32-3.00)	0.66 (0.27-1.63)	1.08 (0.44-2.68)	0.70 (0.24-2.02)	0.86	1.00	
			Female	0.33	403	0.68 (0.41-1.13)	0.14	0.81	1.02 (0.37-2.86)	0.67 (0.29-1.55)	0.66 (0.18-2.40)	0.49 (0.18-1.35)	0.80	1.00	
rs1853384	OPRM1	6	Male	0.35	386	0.83 (0.51-1.35)	0.45	1.00	0.98 (0.32-3.00)	0.66 (0.27-1.63)	1.08 (0.44-2.68)	0.68 (0.23-1.95)	0.85	1.00	
			Female	0.33	403	0.68 (0.41-1.13)	0.14	0.81	1.02 (0.37-2.86)	0.67 (0.29-1.55)	0.66 (0.18-2.40)	0.49 (0.18-1.35)	0.80	1.00	
rs623956	OPRM1	6	Male	0.25	366	0.95 (0.64-1.41)	0.81	1.00	0.98 (0.37-2.59)	0.73 (0.36-1.49)	1.32 (0.67-2.60)	0.82 (0.31-2.15)	0.67	0.99	
			Female	0.24	382	0.77 (0.49-1.19)	0.23	0.93	0.87 (0.34-2.23)	0.82 (0.41-1.68)	0.53 (0.14-1.97)	0.74 (0.32-1.72)	0.93	1.00	
rs504932	OPRM1	6	Male	0.25	385	0.95 (0.65-1.40)	0.81	1.00	0.81 (0.33-2.03)	0.85 (0.43-1.69)	1.33 (0.68-2.60)	0.76 (0.29-2.01)	0.71	1.00	
			Female	0.24	402	0.77 (0.50-1.19)	0.23	0.93	0.95 (0.38-2.41)	0.79 (0.40-1.56)	0.50 (0.13-1.88)	0.76 (0.32-1.76)	0.89	1.00	
rs609148	OPRM1	6	Male	0.25	385	0.96 (0.65-1.40)	0.82	1.00	0.81 (0.33-2.03)	0.85 (0.43-1.70)	1.32 (0.68-2.59)	0.77 (0.29-2.02)	0.72	1.00	
			Female	0.24	403	0.77 (0.50-1.19)	0.23	0.94	0.96 (0.38-2.43)	0.79 (0.40-1.56)	0.50 (0.13-1.89)	0.75 (0.32-1.75)	0.88	1.00	
rs606148	OPRM1	6	Male	0.10	386	0.82 (0.45-1.50)	0.51	1.00	1.39 (0.46-4.20)	0.88 (0.32-2.42)	0.67 (0.17-2.59)	0.30 (0.04-2.36)	0.54	0.99	
			Female	0.09	403	0.71 (0.36-1.38)	0.29	0.96	1.32 (0.42-4.17)	0.31 (0.07-1.42)	1.00 (0.24-4.21)	0.60 (0.16-2.17)	0.44	0.97	
rs632395	OPRM1	6	Male	0.10	386	0.80 (0.44-1.46)	0.46	1.00	1.28 (0.45-3.65)	0.88 (0.32-2.42)	0.63 (0.16-2.40)	0.30 (0.04-2.36)	0.56	0.99	
			Female	0.09	403	0.71 (0.36-1.38)	0.29	0.96	1.32 (0.42-4.17)	0.31 (0.07-1.42)	1.00 (0.24-4.21)	0.60 (0.16-2.17)	0.44	0.97	
rs648893	OPRM1	6	Male	0.25	384	0.98 (0.66-1.43)	0.90	0.99	0.83 (0.33-2.06)	0.88 (0.44-1.77)	1.33 (0.68-2.60)	0.79 (0.30-2.07)	0.75	1.00	
			Female	0.24	403	0.77 (0.50-1.19)	0.23	0.94	0.96 (0.38-2.43)	0.79 (0.40-1.56)	0.50 (0.13-1.89)	0.75 (0.32-1.75)	0.88	1.00	
rs1323041	OPRM1	6	Male	0.49	385	0.97 (0.69-1.37)	0.87	1.00	0.96 (0.45-2.05)	1.08 (0.56-2.07)	1.36 (0.72-2.54)	0.50 (0.22-1.13)	0.27	0.92	
			Female	0.46	403	0.69 (0.48-0.99)	0.04	0.42	0.73 (0.34-1.56)	0.72 (0.40-1.31)	0.57 (0.21-1.55)	0.67 (0.33-1.35)	0.98	0.98	
rs512053	OPRM1	6	Male	0.08	386	1.42 (0.79-2.58)	0.25	0.96	1.57 (0.42-5.81)	1.49 (0.56-3.98)	1.84 (0.55-6.14)	0.89 (0.32-2.54)	0.88	0.88	
			Female	0.09	403	0.82 (0.41-1.62)	0.56	0.99	0.50 (0.10-2.40)	1.49 (0.51-4.34)	0.50 (0.06-2.46)	0.67 (0.17-2.57)	0.60	1.00	
rs642489	OPRM1	6	Male	0.25	386	0.96 (0.65-1.41)	0.83	1.00	0.81 (0.33-2.03)	0.85 (0.43-1.70)	1.32 (0.68-2.59)	0.78 (0.30-2.06)	0.73	1.00	
			Female	0.24	403	0.77 (0.50-1.19)	0.23	0.94	0.96 (0.38-2.43)	0.79 (0.40-1.56)	0.50 (0.13-1.89)	0.75 (0.32-1.75)	0.88	1.00	
rs613341	OPRM1	6	Male	0.09	385	0.91 (0.50-1.68)	0.77	1.00	1.47 (0.49-4.46)	0.93 (0.34-2.55)	0.97 (0.24-3.86)	0.30 (0.04-2.36)	0.53	0.99	
			Female	0.09	403	0.69 (0.34-1.38)	0.27	0.95	1.32 (0.42-4.17)	0.16 (0.02-1.26)	1.00 (0.24-4.21)	0.68 (0.19-2.50)	0.24	0.84	
rs10485058	OPRM1	6	Male	0.14	385	1.13 (0.68-1.87)	0.64	1.00	0.78 (0.20-3.08)	1.41 (0.55-3.65)	1.27 (0.53-3.09)	0.95 (0.32-2.59)	0.88	0.98	
			Female	0.15	401	0.92 (0.55-1.52)	0.73	1.00	1.11 (0.47-2.65)	0.86 (0.37-2.01)	0.96 (0.23-4.04)	0.72 (0.22-2.33)	0.94	1.00	
rs613355	OPRM1	6	Male	0.36	386	0.78 (0.48-1.28)	0.33	0.98	0.98 (0.32-3.00)	0.72 (0.29-1.76)	1.03 (0.42-2.55)	0.49 (0.17-1.44)	0.73	1.00	
			Female	0.33	403	0.66 (0.40-1.09)	0.11	0.74	1.02 (0.37-2.86)	0.61 (0.26-1.42)	0.66 (0.18-2.40)	0.49 (0.18-1.35)	0.79	1.00	
rs3735275	DDC	7	Male	0.15	386	1.45 (0.93-2.25)	0.10	0.60	1.21 (0.46-3.23)	0.96 (0.39-2.34)	1.21 (0.55-2.67)	3.47 (1.40-8.61)	0.19	0.80	
			Female	0.19	403	1.28 (0.83-1.97)	0.28	0.96	1.50 (0.60-3.74)	1.47 (0.70-3.06)	1.23 (0.39-3.88)	0.97 (0.43-2.22)	0.88	1.00	
rs947510	DDC	7	Male	0.27	386	1.37 (0.95-1.97)	0.09	0.58	1.38 (0.63-3.00)	1.37 (0.68-2.74)	0.78 (0.38-1.60)	2.82 (1.27-6.24)	0.12	0.65	
			Female	0.32	403	1.06 (0.73-1.53)	0.77	1.00	0.83 (0.39-1.77)	1.17 (0.62-2.18)	1.48 (0.58-3.82)	0.96 (0.46-1.96)	0.79	1.00	
rs947511	DDC	7	Male	5.08 × 10 <sup>-3</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	4.95 × 10 <sup>-3</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs11575553	DDC	7	Male	0.10	386	1.40 (0.77-2.55)	0.28	0.84	1.42 (0.39-5.17)	4.25 (1.30-13.86)	0.41 (0.09-1.93)	1.20 (0.38-3.84)	0.09	0.55	
			Female	0.11	403	0.99 (0.53-1.84)	0.97	1.00	0.55 (0.15-2.07)	1.08 (0.38-3.08)	1.43 (0.33-6.18)	1.24 (0.35-4.41)	0.75	1.00	
rs947535	DDC	7	Male	0.27	386	1.22 (0.85-1.76)	0.29	0.83	1.48 (0.64-3.41)	0.84 (0.40-1.75)	1.06 (0.55-2.04)	1.94 (0.91-4.12)	0.42	0.97	
			Female	0.30	403	1.23 (0.85-1.77)	0.27	0.95	1.03 (0.48-2.20)	1.33 (0.71-2.49)	1.01 (0.35-2.86)	1.41 (0.72-2.74)	0.90	0.99	
rs730092	DDC	7	Male	0.40	385	1.27 (0.90-1.77)	0.17	0.76	1.60 (0.77-3.35)	1.19 (0.63-2.23)	0.82 (0.44-1.54)	2.02 (0.95-4.31)	0.29	0.90	
			Female	0.45	401	1.09 (0.77-1.54)	0.64	1.00	0.70 (0.34-1.46)	1.20 (0.66-2.19)	1.19 (0.45-3.17)	1.32 (0.69-2.51)	0.60	1.00	
rs11238131	DDC	7	Male	0.27	386	1.22 (0.85-1.76)	0.29	0.83	1.48 (0.64-3.4						

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction		
						Likelihood ratio test		Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P								
rs1817074	DDC	7	Male	0.36	386	1.59 (0.95-2.65)	0.07	0.55	1.86 (0.54-6.38)	2.16 (0.84-5.52)	1.17 (0.46-2.97)	1.38 (0.46-4.08)	0.82	0.99	
			Female	0.38	403	1.35 (0.80-2.29)	0.26	0.95	0.76 (0.27-2.19)	1.47 (0.61-3.52)	0.69 (0.19-2.50)	3.39 (1.03-11.13)	0.19	0.69	
rs17635123	DDC	7	Male	0.12	386	1.46 (0.83-2.57)	0.20	0.77	1.99 (0.62-6.36)	3.54 (1.13-11.12)	0.61 (0.18-2.05)	1.12 (0.35-3.56)	0.17	0.76	
			Female	0.14	403	1.21 (0.68-2.15)	0.52	1.00	0.69 (0.21-2.31)	1.33 (0.49-3.66)	1.25 (0.33-4.80)	1.83 (0.59-5.65)	0.70	1.00	
rs1470750	DDC	7	Male	0.43	386	0.53 (0.32-0.87)	0.01	0.17	0.48 (0.16-1.49)	0.48 (0.19-1.22)	0.91 (0.36-2.29)	0.31 (0.11-0.90)	0.49	0.98	
			Female	0.39	403	0.95 (0.57-1.58)	0.84	1.00	1.70 (0.55-5.21)	0.82 (0.34-1.96)	3.04 (0.60-15.32)	0.39 (0.14-1.07)	0.09	0.51	
rs2100280	DDC	7	Male	0.25	376	1.28 (0.87-1.88)	0.22	0.80	0.85 (0.31-2.30)	2.61 (1.21-5.64)	0.67 (0.30-1.48)	1.47 (0.73-2.98)	0.07	0.49	
			Female	0.27	398	1.00 (0.68-1.47)	1.00	1.00	0.86 (0.41-1.84)	0.90 (0.43-1.87)	0.45 (0.14-1.41)	1.84 (0.91-3.72)	0.15	0.65	
rs1451368	DDC	7	Male	0.26	386	1.37 (0.95-1.97)	0.10	0.59	1.09 (0.43-2.74)	2.51 (1.23-5.10)	0.78 (0.38-1.61)	1.47 (0.73-2.98)	0.13	0.67	
			Female	0.28	403	1.02 (0.69-1.49)	0.93	1.00	0.85 (0.40-1.84)	0.82 (0.40-1.70)	0.44 (0.14-1.43)	2.01 (1.02-3.98)	0.09	0.51	
rs10244632	DDC	7	Male	0.27	372	1.29 (0.90-1.86)	0.17	0.76	1.18 (0.48-2.91)	2.09 (1.07-4.08)	0.71 (0.34-1.50)	1.40 (0.69-2.86)	0.19	0.79	
			Female	0.30	385	0.95 (0.65-1.39)	0.79	1.00	0.73 (0.34-1.58)	0.75 (0.36-1.57)	0.57 (0.19-1.67)	1.86 (0.93-3.71)	0.14	0.63	
rs11575321	DDC	7	Male	0.10	386	1.36 (0.75-2.48)	0.32	0.87	1.63 (0.45-5.96)	2.97 (0.92-9.56)	0.44 (0.12-1.68)	1.65 (0.50-5.39)	0.16	0.74	
			Female	0.12	403	1.17 (0.63-2.16)	0.63	1.00	0.86 (0.26-2.91)	0.90 (0.27-3.03)	0.93 (0.22-3.89)	2.44 (0.77-7.76)	0.56	1.00	
rs11575313	DDC	7	Male	0.10	385	1.40 (0.77-2.56)	0.28	0.84	1.63 (0.45-5.96)	2.96 (0.92-9.56)	0.49 (0.13-1.85)	1.66 (0.51-5.42)	0.21	0.81	
			Female	0.12	403	1.17 (0.63-2.16)	0.63	1.00	0.86 (0.26-2.91)	0.90 (0.27-3.03)	0.93 (0.22-3.89)	2.44 (0.77-7.76)	0.56	1.00	
rs10268819	DDC	7	Male	0.14	347	1.45 (0.85-2.48)	0.18	0.76	1.00 (0.27-3.72)	2.91 (1.00-8.53)	1.33 (0.54-3.28)	1.02 (0.31-3.41)	0.51	0.99	
			Female	0.13	372	1.11 (0.65-1.88)	0.70	1.00	1.41 (0.47-4.24)	1.02 (0.41-2.53)	NA	1.69 (0.69-4.43)	0.10	0.51	
rs3807552	DDC	7	Male	0.20	341	1.52 (0.96-2.40)	0.08	0.54	1.73 (0.51-5.87)	1.23 (0.49-3.09)	1.39 (0.62-3.12)	1.88 (0.80-4.43)	0.91	0.99	
			Female	0.21	369	1.19 (0.76-1.86)	0.45	0.99	1.91 (0.75-4.86)	1.15 (0.55-2.39)	1.17 (0.36-3.86)	0.84 (0.34-2.05)	0.66	1.00	
rs3779078	DDC	7	Male	0.19	386	1.38 (0.84-2.27)	0.21	0.78	1.88 (0.62-5.46)	0.99 (0.38-2.55)	1.16 (0.46-2.90)	2.03 (0.70-5.94)	0.70	0.97	
			Female	0.21	403	1.34 (0.81-2.23)	0.26	0.95	2.14 (0.75-6.09)	1.16 (0.50-2.70)	1.38 (0.38-5.02)	1.07 (0.39-2.93)	0.78	1.00	
rs6264	DDC	7	Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs2044859	DDC	7	Male	0.34	386	1.41 (0.99-2.02)	0.06	0.50	1.43 (0.61-3.36)	1.20 (0.61-2.36)	1.16 (0.62-2.18)	2.34 (1.07-5.13)	0.52	0.98	
			Female	0.37	403	1.28 (0.89-1.84)	0.19	0.89	1.81 (0.84-3.92)	1.23 (0.65-2.33)	0.87 (0.34-2.26)	1.24 (0.62-2.47)	0.70	1.00	
rs7786398	DDC	7	Male	0.44	386	1.54 (0.88-2.68)	0.12	0.65	2.88 (0.60-13.88)	1.21 (0.47-3.10)	0.81 (0.31-2.15)	4.47 (0.95-20.98)	0.19	0.80	
			Female	0.48	403	1.43 (0.79-2.59)	0.23	0.93	7.44 (0.94-58.91)	0.91 (0.35-2.33)	1.03 (0.25-4.30)	1.30 (0.42-4.03)	0.19	0.69	
rs10276473	DDC	7	Male	0.20	386	1.31 (0.87-1.98)	0.20	0.78	1.70 (0.67-4.31)	0.85 (0.38-1.91)	1.03 (0.48-2.22)	2.43 (1.04-5.76)	0.28	0.90	
			Female	0.21	402	1.36 (0.91-2.04)	0.14	0.82	1.85 (0.84-4.09)	1.38 (0.68-2.80)	1.51 (0.52-4.37)	0.95 (0.43-2.10)	0.70	1.00	
rs11765748	DDC	7	Male	0.48	385	1.32 (0.75-2.31)	0.33	0.86	2.14 (0.44-10.43)	1.07 (0.42-2.77)	0.68 (0.26-1.83)	4.05 (0.86-19.08)	0.19	0.79	
			Female	0.49	402	1.38 (0.74-2.58)	0.30	0.96	6.68 (0.84-53.08)	0.70 (0.27-1.84)	1.17 (0.23-6.06)	1.54 (0.46-5.16)	0.16	0.63	
rs7456339	DDC	7	Male	0.13	386	1.13 (0.65-1.98)	0.66	0.66	1.00 (0.29-3.53)	2.35 (0.85-6.52)	0.34 (0.09-1.27)	1.71 (0.55-5.27)	0.10	0.57	
			Female	0.15	403	1.14 (0.64-2.02)	0.66	1.00	0.85 (0.27-2.64)	0.60 (0.18-1.98)	1.03 (0.27-3.88)	3.07 (1.04-9.03)	0.20	0.70	
rs10499695	DDC	7	Male	0.49	386	1.49 (0.84-2.65)	0.16	0.75	2.34 (0.48-11.36)	1.15 (0.43-3.03)	0.90 (0.33-2.46)	3.98 (0.84-18.72)	0.33	0.94	
			Female	0.49	403	1.30 (0.71-2.39)	0.39	0.99	6.16 (0.78-49.02)	0.79 (0.31-2.06)	0.64 (0.15-2.73)	1.63 (0.49-5.45)	0.16	0.63	
rs4947644	DDC	7	Male	0.49	386	0.61 (0.36-1.04)	0.07	0.55	1.22 (0.31-4.86)	0.34 (0.13-0.88)	1.38 (0.46-4.18)	0.33 (0.11-0.98)	0.11	0.62	
			Female	0.48	403	0.99 (0.56-1.74)	0.98	1.00	1.96 (0.52-7.43)	0.86 (0.32-2.33)	2.25 (0.45-11.34)	0.47 (0.17-1.31)	0.23	0.76	
rs2329340	DDC	7	Male	0.32	386	1.41 (0.98-2.03)	0.07	0.53	1.76 (0.80-3.88)	1.23 (0.64-2.34)	0.80 (0.39-1.66)	3.03 (1.26-7.26)	0.12	0.64	
			Female	0.34	403	1.16 (0.80-1.67)	0.44	1.00	1.32 (0.62-2.84)	0.99 (0.53-1.86)	1.11 (0.46-2.71)	1.29 (0.62-2.65)	0.93	0.93	
rs10227616	PRKAR2B	7	Male	0.32	386	1.11 (0.68-1.81)	0.67	0.99	0.63 (0.21-1.87)	2.33 (0.91-5.92)	0.78 (0.32-1.92)	1.13 (0.40-3.22)	0.25	0.70	
			Female	0.34	403	0.98 (0.59-1.62)	0.94	1.00	0.90 (0.32-2.52)	1.28 (0.54-3.04)	0.79 (0.22-2.86)	0.84 (0.31-2.27)	0.89	0.99	
rs1544582	PRKAR2B	7	Male	0.48	385	1.23 (0.88-1.73)	0.22	0.89	2.04 (0.90-4.66)	1.17 (0.61-2.25)	1.03 (0.57-1.87)	1.14 (0.56-2.33)	0.59	0.97	
			Female	0.45	403	0.85 (0.59-1.20)	0.35	0.98	0.54 (0.25-1.17)	0.77 (0.42-1.41)	0.95 (0.41-2.19)	1.34 (0.65-2.75)	0.38	0.84	
rs2237649	PRKAR2B	7	Male	0.48	386	1.23 (0.87-1.72)	0.24	0.91	2.04 (0.90-4.66)	1.17 (0.61-2.25)	0.99 (0.54-1.81)	1.17 (0.57-2.38)	0.56	0.96	
			Female	0.45	401	0.85 (0.60-1.20)	0.35	0.98	0.57 (0.27-1.22)	0.77 (0.42-1.41)	0.92 (0.40-2.14)	1.30 (0.64-2.62)	0.46	0.91	
rs1476879	PRKAR2B	7	Male	0.48	386	1.25 (0.89-1.76)	0.20	0.87	2.04 (0.90-4.66)	1.22 (0.63-2.37)	0.99 (0.54-1.81)	1.20 (0.58-2.47)	0.57	0.96	
			Female	0.46	403	0.84 (0.59-1.19)	0.32	0.97	0.54 (0.25-1.17)	0.77 (0.42-1.41)	0.95 (0.41-2.19)	1.25 (0.62-2.51)	0.44	0.90	
rs6957586	PRKAR2B	7	Male	0.32	386	1.25 (0.77-2.04)	0.37	0.96	0.63 (0.21-1.87)	2.45 (0.96-6.25)	0.78 (0.32-1.92)	1.80 (0.63-5.13)	0.17	0.56	
			Female	0.34	402	0.96 (0.58-1.59)	0.88	1.00	0.88 (0.32-2.47)	1.28 (0.54-3.04)	0.80 (0.22-2.86)	0.79 (0.29-2.14)	0.87	0.98	
rs11766415	PRKAR2B	7	Male	0.42	386	0.92 (0.65-1.29)	0.63	0.99	0.73 (0.34-1.57)	1.21 (0.63-2.35)	0.61 (0.32-1.15)	1.41 (0.69-2.87)	0.25	0.71	
			Female	0.42	403	1.12 (0.79-1.59)	0.51	1.00	0.62 (0.30-1.27)	1.60 (0.86-3.00)	1.39 (0.57-3.43)	1.15 (0.59-2.25)	0.23	0.69	
rs3801969	PRKAR2B	7	Male	0.45	386	1.09 (0.65-1.83)	0.75	0.99	0.79 (0.24-2.59)	2.67 (0.90-7.95)	0.65 (0.26-1.65)	0.99 (0.34-2.88)	0.23	0.68	
			Female	0.44	403	0.73 (0.43-1.24)	0.25	0.93	0.61 (0.22-1.72)	0.77 (0.30-2.00)	0.97 (0.26-3.67)	0.69 (0.25-1.90)	0.96	1.00	
rs2536503	PRKAR2B	7	Male	0.13	386	0.78 (0.45-1.34)	0.36	0.96	0.24 (0.03-1.87)	0.50 (0.18-1.38)	1.86 (0.64-5.36)	1.03 (0.36-2.90)	0.15	0.53	
			Female	0.12	403	1.02 (0.59-1.76)	0.96	1.00	1.50 (0.60-3.73)	0.44 (0.12-1.56)	1.90 (0.55-6.63)	0.85 (0.27-2.72)	0.30	0.78	
rs2536504	PRKAR2B	7	Male	0.34	385	1.60 (0.97-2.65)	0.06	0.50	3.24 (0.95-11.04)	1.25 (0.50-3.15)	1.64 (0.66-4.08)	1.20 (0.42-3.45)	0.59	0.97	
			Female	0.34	403	0.83 (0.50-1.37)	0.47	1.00	0.48 (0.17-1.37)	1.19 (0.50-2.82)	0.98 (0.27-3.54)	0.76 (0.28-2.05)	0.61	0.97	
rs6960842	PRKAR2B	7	Male	0.42	385	1.28 (0.75-2.19)	0.36	0.97	4.27 (0.90-20.31)	1.23 (0.45-3.38)	1.25 (0.48-3.25)	0.59 (0.20-1.75)	0.19	0.62	
			Female	0.43	403	0.83 (0.49-1.40)	0.48	1.00	0.56 (0.20-1.56)	1.12 (0.45-2.76)	1.05 (0.25-4.39)	0.73 (0.26-2.02)	0.76	0.99	
rs17340577	PRKAR2B	7	Male	0.07	383	0.58 (0.27-1.24)	0.14	0.78	0.85 (0.17-4.32)	0.81 (0.24-2.81)	0.80 (0.19-3.31)	NA	0.18	0.59	
			Female	0.09	400	1.01 (0.54-1.90)	0.98	1.00	1.48 (0.49-4.45)	1.20 (0.38-3.79)	0.62 (0.13-2.95)	0.74 (0.19-2.89)	0.77	0.98	
rs2299419	PRKAR2B	7	Male	0.09	386	0.86 (0.46-1.59)	0.6								

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction	
						SNP OR (95% CI)		Likelihood ratio test	Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P
						Observed P	Adjusted P	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	Observed P	Adjusted P	
rs2303928	CDK5	7	Male	0.39	386	0.93 (0.65-1.33)	0.69	1.00	1.20 (0.55-2.64)	0.68 (0.35-1.33)	0.80 (0.40-1.59)	1.38 (0.62-3.08)	0.49	0.75
			Female	0.40	403	0.87 (0.59-1.28)	0.47	0.94	0.53 (0.23-1.24)	1.10 (0.59-2.05)	0.91 (0.35-2.36)	0.92 (0.41-2.07)	0.58	0.87
rs2069459	CDK5	7	Male	0.39	385	0.98 (0.70-1.37)	0.90	0.90	0.51 (0.22-1.18)	0.97 (0.50-1.90)	1.25 (0.70-2.22)	1.19 (0.57-2.46)	0.32	0.63
			Female	0.37	402	1.11 (0.76-1.64)	0.58	0.95	1.36 (0.60-3.09)	1.03 (0.52-2.05)	0.93 (0.34-2.50)	1.15 (0.57-2.33)	0.94	0.94
rs891507	CDK5	7	Male	0.15	349	1.05 (0.59-1.88)	0.86	0.98	0.96 (0.26-3.50)	0.67 (0.23-1.93)	1.82 (0.59-5.55)	1.18 (0.35-3.91)	0.64	0.80
			Female	0.15	374	0.71 (0.38-1.30)	0.26	0.79	0.13 (0.02-1.08)	1.23 (0.47-3.20)	0.65 (0.12-3.44)	0.89 (0.28-2.83)	0.16	0.42
rs2069454	CDK5	7	Male	0.15	354	1.56 (0.89-2.74)	0.12	0.59	0.64 (0.16-2.56)	4.54 (1.63-12.67)	1.27 (0.49-3.35)	0.83 (0.16-4.21)	0.08	0.26
			Female	0.12	373	2.06 (1.15-3.69)	0.02	0.13	1.28 (0.40-4.09)	3.95 (1.48-10.53)	6.10 (1.29-28.78)	0.50 (0.10-2.43)	0.04	0.15
rs2069443	CDK5	7	Male	0.26	385	1.08 (0.66-1.75)	0.76	0.99	2.87 (0.93-8.86)	0.90 (0.36-2.22)	1.29 (0.53-3.16)	0.42 (0.13-1.29)	0.10	0.29
			Female	0.26	402	0.98 (0.59-1.62)	0.93	1.00	1.58 (0.56-4.41)	0.87 (0.37-2.06)	0.68 (0.18-2.53)	0.90 (0.34-2.43)	0.75	0.92
rs1549760	CDK5	7	Male	0.23	386	1.08 (0.66-1.78)	0.75	1.00	2.00 (0.67-6.02)	1.06 (0.42-2.67)	1.42 (0.58-3.48)	0.42 (0.14-1.32)	0.22	0.49
			Female	0.23	403	1.03 (0.62-1.71)	0.92	1.00	1.93 (0.69-5.42)	0.96 (0.40-2.31)	0.52 (0.12-2.14)	0.91 (0.34-2.47)	0.48	0.81
rs3793336	CDK5	7	Male	0.14	301	1.10 (0.58-2.07)	0.78	0.98	0.48 (0.09-2.55)	0.62 (0.18-2.07)	2.78 (0.91-8.51)	1.23 (0.33-4.53)	0.21	0.51
			Female	0.14	319	0.98 (0.51-1.90)	0.96	0.96	0.27 (0.03-2.29)	1.92 (0.64-5.75)	0.69 (0.13-3.63)	1.04 (0.32-3.38)	0.33	0.67
rs2303933	CDK5	7	Male	0.40	386	1.11 (0.67-1.85)	0.68	1.00	0.58 (0.19-1.78)	2.76 (0.93-8.20)	1.06 (0.42-2.70)	0.77 (0.27-2.19)	0.20	0.49
			Female	0.41	403	1.39 (0.80-2.42)	0.23	0.79	1.15 (0.37-3.55)	2.04 (0.75-5.55)	2.36 (0.47-11.91)	0.85 (0.31-2.30)	0.56	0.87
rs2303937	CDK5	7	Male	0.45	385	0.92 (0.54-1.55)	0.75	1.00	1.23 (0.38-3.95)	1.35 (0.47-3.86)	0.74 (0.28-1.97)	0.60 (0.21-1.74)	0.68	0.68
			Female	0.44	403	1.26 (0.71-2.23)	0.42	0.93	6.10 (0.77-48.48)	0.83 (0.33-2.08)	1.20 (0.29-4.97)	1.06 (0.38-3.00)	0.24	0.54
rs11765015	CDK5	7	Male	0.28	382	1.14 (0.70-1.86)	0.59	1.00	2.72 (0.88-8.38)	1.46 (0.59-3.65)	1.05 (0.43-2.60)	0.40 (0.13-1.25)	0.10	0.29
			Female	0.26	402	0.85 (0.51-1.41)	0.52	0.93	0.93 (0.33-2.60)	0.80 (0.34-1.90)	0.60 (0.16-2.25)	1.02 (0.38-2.74)	0.93	0.99
rs4733065	CHRNA2	8	Male	0.46	380	0.85 (0.50-1.44)	0.55	1.00	0.57 (0.18-1.78)	1.00 (0.37-2.71)	0.71 (0.27-1.85)	1.35 (0.39-4.60)	0.74	1.00
			Female	0.46	400	0.88 (0.51-1.51)	0.64	1.00	0.99 (0.32-3.11)	0.84 (0.36-1.99)	0.57 (0.15-2.21)	1.12 (0.36-3.50)	0.89	0.98
rs2278319	CHRNA2	8	Male	0.24	386	1.00 (0.61-1.63)	0.99	0.99	0.66 (0.21-2.12)	0.72 (0.29-1.82)	0.87 (0.35-2.17)	2.50 (0.86-7.24)	0.27	0.86
			Female	0.25	403	0.96 (0.58-1.60)	0.88	1.00	1.29 (0.46-3.62)	0.76 (0.31-1.86)	0.55 (0.15-2.05)	1.38 (0.51-3.72)	0.61	0.95
rs1106359	CHRNA2	8	Male	0.42	386	1.03 (0.61-1.73)	0.91	1.00	1.21 (0.38-3.88)	1.27 (0.48-3.36)	0.95 (0.36-2.50)	0.76 (0.26-2.20)	0.90	1.00
			Female	0.40	403	1.20 (0.71-2.04)	0.49	1.00	1.51 (0.49-4.65)	1.07 (0.44-2.59)	0.77 (0.21-2.78)	1.59 (0.52-4.88)	0.81	1.00
rs1879184	CHRNA2	8	Male	0.13	386	1.20 (0.69-2.07)	0.53	1.00	1.41 (0.43-4.65)	0.87 (0.31-2.40)	0.93 (0.32-2.68)	0.77 (0.27-2.19)	0.64	1.00
			Female	0.14	403	1.02 (0.58-1.81)	0.94	0.94	0.91 (0.27-3.12)	1.09 (0.42-2.82)	2.12 (0.58-7.78)	0.54 (0.14-2.04)	0.53	0.95
rs10093964	CHRNA2	8	Male	0.43	384	1.09 (0.77-1.55)	0.61	1.00	1.36 (0.64-2.87)	1.09 (0.58-2.03)	1.20 (0.62-2.33)	0.78 (0.36-1.69)	0.76	1.00
			Female	0.41	403	1.11 (0.78-1.57)	0.56	1.00	1.63 (0.77-3.45)	0.98 (0.55-1.73)	0.88 (0.38-2.06)	1.13 (0.56-2.29)	0.68	0.98
rs1879182	CHRNA2	8	Male	0.13	386	1.20 (0.69-2.07)	0.53	1.00	1.41 (0.43-4.65)	0.87 (0.31-2.40)	0.93 (0.33-2.68)	0.77 (0.27-2.19)	0.64	1.00
			Female	0.14	403	1.02 (0.58-1.81)	0.94	0.94	0.91 (0.27-3.12)	1.09 (0.42-2.82)	2.12 (0.58-7.78)	0.54 (0.14-2.04)	0.53	0.95
rs748283	CHRNA2	8	Male	0.49	386	0.89 (0.63-1.25)	0.51	1.00	0.75 (0.37-1.52)	1.14 (0.57-2.30)	0.76 (0.40-1.46)	0.99 (0.49-2.00)	0.79	1.00
			Female	0.49	403	0.88 (0.63-1.25)	0.48	1.00	0.75 (0.36-1.56)	0.88 (0.50-1.54)	0.81 (0.34-1.91)	1.10 (0.54-2.24)	0.89	1.00
rs1057137	CHRNA2	8	Male	0.40	379	1.05 (0.62-1.77)	0.86	1.00	1.61 (0.46-5.60)	0.88 (0.34-2.24)	1.09 (0.42-2.85)	0.88 (0.29-2.69)	0.87	1.00
			Female	0.39	401	1.14 (0.68-1.92)	0.61	1.00	1.83 (0.60-5.59)	0.87 (0.37-2.08)	0.77 (0.21-2.78)	1.42 (0.49-4.13)	0.66	0.97
rs735421	CHRNA2	8	Male	0.29	382	1.31 (0.80-2.16)	0.28	0.93	0.85 (0.28-2.61)	1.32 (0.52-3.33)	1.58 (0.64-3.89)	1.50 (0.51-4.41)	0.85	1.00
			Female	0.31	401	1.03 (0.62-1.70)	0.92	1.00	1.36 (0.47-3.88)	0.99 (0.42-2.31)	0.65 (0.18-2.37)	1.09 (0.40-2.96)	0.86	1.00
rs891394	CHRNA2	8	Male	0.25	386	1.06 (0.72-1.58)	0.76	1.00	0.98 (0.35-2.69)	1.03 (0.51-2.08)	0.90 (0.42-1.92)	1.39 (0.64-3.03)	0.88	1.00
			Female	0.27	403	0.95 (0.65-1.40)	0.81	1.00	0.76 (0.34-1.70)	1.09 (0.55-2.17)	0.61 (0.23-1.65)	1.33 (0.63-2.81)	0.56	0.96
rs3735757	CHRNA2	8	Male	0.13	386	1.10 (0.67-1.80)	0.72	1.00	1.20 (0.39-3.67)	0.99 (0.40-2.43)	0.82 (0.30-2.20)	1.62 (0.60-4.36)	0.80	1.00
			Female	0.14	398	0.82 (0.48-1.42)	0.48	1.00	0.40 (0.10-1.65)	1.04 (0.43-2.52)	1.93 (0.58-6.50)	0.52 (0.14-1.90)	0.28	0.81
rs2322581	CHRNA2	8	Male	0.17	386	0.98 (0.61-1.56)	0.93	1.00	1.31 (0.46-3.74)	0.84 (0.35-2.04)	0.91 (0.38-2.21)	1.00 (0.40-2.54)	0.93	1.00
			Female	0.15	403	0.89 (0.54-1.46)	0.64	1.00	0.52 (0.16-1.67)	1.14 (0.50-2.63)	1.61 (0.48-5.40)	0.69 (0.23-2.05)	0.50	0.96
rs891398	CHRNA2	8	Male	0.47	386	1.93 (1.05-3.54)	0.03	0.29	NA	1.71 (0.56-5.21)	1.12 (0.43-2.93)	2.70 (0.71-10.23)	0.15	0.68
			Female	0.48	403	0.96 (0.56-1.67)	0.89	1.00	0.52 (0.18-1.52)	1.27 (0.50-3.23)	1.60 (0.31-8.16)	0.92 (0.31-2.71)	0.57	0.94
rs891399	CHRNA2	8	Male	0.13	386	1.19 (0.72-1.96)	0.49	1.00	0.90 (0.27-2.99)	1.21 (0.51-2.92)	1.17 (0.47-2.96)	1.53 (0.51-4.59)	0.94	1.00
			Female	0.13	402	0.92 (0.53-1.58)	0.76	1.00	0.63 (0.20-2.02)	1.09 (0.44-2.72)	1.93 (0.58-6.44)	0.53 (0.14-2.01)	0.45	0.93
rs2565062	CHRNA2	8	Male	0.13	386	1.19 (0.72-1.96)	0.49	1.00	0.90 (0.27-2.99)	1.21 (0.51-2.92)	1.17 (0.47-2.96)	1.53 (0.51-4.59)	0.94	1.00
			Female	0.13	403	0.92 (0.53-1.58)	0.76	1.00	0.64 (0.20-2.03)	1.09 (0.44-2.72)	1.93 (0.58-6.44)	0.53 (0.14-2.01)	0.45	0.93
rs2472554	CHRNA2	8	Male	0.30	386	0.91 (0.56-1.48)	0.70	1.00	0.86 (0.29-2.58)	0.90 (0.37-2.23)	0.66 (0.27-1.64)	1.45 (0.51-4.11)	0.74	1.00
			Female	0.31	403	1.17 (0.71-1.93)	0.54	1.00	2.75 (0.90-8.41)	0.62 (0.27-1.45)	0.77 (0.21-2.78)	1.74 (0.62-4.85)	0.13	0.57
rs2472553	CHRNA2	8	Male	0.13	386	1.18 (0.72-1.94)	0.52	1.00	0.86 (0.26-2.83)	1.21 (0.51-2.92)	1.17 (0.47-2.96)	1.53 (0.51-4.59)	0.92	1.00
			Female	0.13	403	1.02 (0.60-1.75)	0.93	1.00	0.66 (0.21-2.10)	1.37 (0.56-3.32)	1.93 (0.58-6.44)	0.57 (0.15-2.18)	0.42	0.91
rs7815010	CHRNA2	8	Male	0.25	386	1.06 (0.71-1.57)	0.78	1.00	0.58 (0.21-1.60)	1.07 (0.52-2.22)	1.24 (0.62-2.45)	1.30 (0.56-3.03)	0.59	1.00
			Female	0.25	403	0.93 (0.62-1.40)	0.74	1.00	0.64 (0.25-1.65)	1.03 (0.54-1.95)	2.11 (0.77-5.79)	0.59 (0.23-1.53)	0.24	0.78
rs2741339	CHRNA2	8	Male	0.28	386	1.41 (0.98-2.03)	0.07	0.53	1.97 (0.85-4.55)	1.16 (0.58-2.33)	1.11 (0.55-2.24)	1.80 (0.83-3.88)	0.62	1.00
			Female	0.26	403	1.16 (0.78-1.73)	0.46	1.00	0.74 (0.31-1.73)	1.47 (0.79-2.74)	0.55 (0.18-1.72)	2.13 (0.88-5.16)	0.14	0.60
rs2565059	CHRNA2	8	Male	0.18	385	1.50 (0.98-2.29)	0.07	0.52	2.06 (0.81-5.24)	1.61 (0.70-3.70)	1.38 (0.63-3.05)	1.16 (0.47-2.82)	0.84	1.00
			Female	0.19	403	1.17 (0.75-1.82)	0.49	1.00	0.81 (0.33-2.00)	1.96 (0.94-4.08)	0.64 (0.18-2.20)	1.23 (0.47-3.25)	0.31	0.84
rs2565055	CHRNA2	8	Male	0.24	386	1.42 (0.97-2.32)	0.16	0.78	1.43 (0.47-4.28)	1.66 (0.67-4.10)	1.33 (0.53-3.20)	1.27 (0.45-3.63)	0.91	0.98
			Female	0.24	403	0.98 (0.59-1.63)	0.94	1.00	0.78 (0.28-2.22)	1.61 (0.69-3.78)	0.69			

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction					
						Likelihood ratio test			Placebo		Bupropion		Patch		Spray		Observed P	Adjusted P
						SNP OR (95% CI)	Observed P	Adjusted P	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)				
rs10819610	FREQ	9	Female	0.27	385	0.90 (0.61-1.31)	0.56	1.00	1.06 (0.50-2.24)	0.66 (0.31-1.41)	0.85 (0.42-1.75)	1.12 (0.52-2.44)	0.77	1.00				
rs3824544	FREQ	9	Female	0.29	403	1.01 (0.68-1.49)	0.96	0.96	1.32 (0.60-2.87)	1.09 (0.58-2.06)	0.40 (0.12-1.36)	1.07 (0.49-2.33)	0.39	0.98				
rs7862394	FREQ	9	Female	0.23	402	1.08 (0.73-1.60)	0.69	1.00	1.21 (0.55-2.65)	0.86 (0.41-1.79)	0.99 (0.47-2.06)	1.55 (0.63-3.79)	0.77	1.00				
rs10819611	FREQ	9	Female	0.32	386	1.16 (0.72-1.89)	0.54	1.00	1.17 (0.50-2.74)	1.37 (0.76-2.45)	1.20 (0.42-3.44)	1.18 (0.51-2.74)	0.99	1.00				
rs1009502	FREQ	9	Female	0.31	403	1.09 (0.66-1.80)	0.74	1.00	1.38 (0.64-4.13)	0.67 (0.27-1.64)	1.07 (0.44-2.63)	2.33 (0.81-6.72)	0.35	0.97				
rs1342043	FREQ	9	Female	0.32	385	1.14 (0.70-1.86)	0.59	1.00	1.18 (0.42-3.28)	0.82 (0.35-1.90)	1.20 (0.32-4.52)	1.43 (0.53-3.86)	0.86	1.00				
rs7856531	FREQ	9	Female	0.31	403	0.93 (0.56-1.53)	0.77	1.00	2.16 (0.70-6.62)	0.70 (0.29-1.72)	0.82 (0.34-2.01)	1.94 (0.68-5.57)	0.27	0.93				
rs7037293	FREQ	9	Female	0.31	403	0.91 (0.56-1.49)	0.72	1.00	1.10 (0.40-3.05)	0.85 (0.36-1.97)	1.36 (0.36-5.12)	0.72 (0.27-1.95)	0.87	1.00				
rs7024495	FREQ	9	Female	0.32	385	1.04 (0.62-1.74)	0.88	1.00	1.10 (0.37-3.29)	0.51 (0.21-1.29)	1.09 (0.44-2.71)	1.31 (0.46-3.77)	0.52	1.00				
rs7023210	FREQ	9	Female	0.32	385	1.04 (0.62-1.74)	0.88	1.00	2.87 (0.85-9.67)	0.70 (0.30-1.67)	0.76 (0.21-2.78)	0.95 (0.34-2.63)	0.26	0.90				
rs947513	FREQ	9	Female	0.15	401	0.79 (0.45-1.40)	0.42	1.00	0.42 (0.09-2.03)	1.31 (0.48-3.58)	1.69 (0.65-4.44)	1.93 (0.62-5.98)	0.37	0.98				
rs7856531	FREQ	9	Female	0.15	401	0.79 (0.45-1.40)	0.42	1.00	0.90 (0.26-3.05)	1.03 (0.41-2.55)	0.50 (0.10-2.53)	0.63 (0.20-1.93)	0.84	1.00				
rs7037293	FREQ	9	Female	0.15	399	1.19 (0.74-1.89)	0.48	1.00	1.04 (0.32-3.35)	0.65 (0.24-1.72)	0.94 (0.35-2.58)	2.72 (0.72-10.33)	0.36	0.98				
rs7024495	FREQ	9	Female	0.15	399	0.87 (0.50-1.50)	0.62	1.00	3.82 (0.82-17.87)	0.59 (0.25-1.42)	0.76 (0.18-3.21)	0.56 (0.19-1.63)	0.11	0.60				
rs7023210	FREQ	9	Female	0.15	399	0.71 (0.41-1.22)	0.20	0.98	0.44 (0.11-1.80)	1.20 (0.46-3.11)	2.23 (0.95-5.23)	1.12 (0.43-2.93)	0.20	0.85				
rs7024495	FREQ	9	Female	0.15	399	0.71 (0.41-1.22)	0.20	0.98	0.84 (0.28-2.59)	0.91 (0.39-2.11)	0.52 (0.12-2.29)	0.47 (0.14-1.55)	0.78	1.00				
rs7023210	FREQ	9	Female	0.15	399	0.71 (0.41-1.22)	0.20	0.98	1.40 (0.37-5.08)	0.70 (0.27-1.77)	0.75 (0.29-1.99)	1.54 (0.44-5.39)	0.66	1.00				
rs7024495	FREQ	9	Female	0.15	399	0.71 (0.41-1.22)	0.20	0.98	3.84 (0.82-17.99)	0.59 (0.25-1.41)	0.30 (0.07-1.25)	1.13 (0.38-3.38)	0.05	0.39				
rs7023210	FREQ	9	Female	0.15	399	0.71 (0.41-1.22)	0.20	0.98	1.23 (0.36-4.27)	0.52 (0.19-1.36)	0.94 (0.35-2.57)	3.78 (0.80-17.86)	0.14	0.72				
rs947513	FREQ	9	Female	0.15	399	0.71 (0.41-1.22)	0.20	0.98	3.32 (0.71-15.58)	0.76 (0.31-1.86)	1.29 (0.25-6.65)	0.47 (0.16-1.38)	0.16	0.73				
rs10819615	FREQ	9	Female	0.15	399	0.71 (0.41-1.22)	0.20	0.98	0.98 (0.30-3.17)	0.60 (0.22-1.60)	0.90 (0.33-2.46)	4.13 (0.88-19.52)	0.16	0.76				
rs3897499	FREQ	9	Female	0.15	399	0.71 (0.41-1.22)	0.20	0.98	3.33 (0.71-15.60)	0.76 (0.31-1.87)	1.22 (0.24-6.27)	0.50 (0.17-1.47)	0.18	0.79				
rs4240446	FREQ	9	Female	0.15	381	1.09 (0.76-1.58)	0.63	1.00	0.89 (0.43-1.83)	0.79 (0.39-1.62)	0.95 (0.50-1.82)	1.73 (0.87-3.46)	0.40	0.98				
rs10988645	FREQ	9	Female	0.15	381	1.09 (0.76-1.58)	0.63	1.00	0.93 (0.45-1.92)	1.19 (0.68-2.08)	1.05 (0.39-2.82)	0.92 (0.44-1.92)	0.94	1.00				
rs3829905	FREQ	9	Female	0.15	381	1.11 (0.79-1.58)	0.54	1.00	1.24 (0.58-2.67)	1.39 (0.70-2.75)	1.05 (0.55-1.99)	0.85 (0.40-1.78)	0.79	0.99				
rs2277200	FREQ	9	Female	0.15	381	1.09 (0.76-1.58)	0.63	1.00	1.15 (0.56-2.37)	0.82 (0.44-1.53)	0.99 (0.36-2.72)	1.68 (0.80-3.53)	0.54	1.00				
rs7873936	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.95 (0.61-6.23)	0.70 (0.28-1.76)	0.80 (0.33-1.96)	3.30 (0.99-11.04)	0.12	0.66				
rs7852859	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.03 (0.37-2.87)	1.24 (0.53-2.91)	3.84 (0.77-19.17)	0.98 (0.37-2.64)	0.46	1.00				
rs1054879	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.45 (0.11-1.80)	1.03 (0.38-2.74)	1.29 (0.49-3.42)	1.04 (0.41-2.64)	0.63	1.00				
rs13710	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.78 (0.25-2.42)	1.10 (0.47-2.61)	0.70 (0.15-3.31)	0.33 (0.09-1.26)	0.50	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	2.04 (0.67-6.24)	0.83 (0.34-2.05)	0.58 (0.24-1.43)	1.52 (0.54-4.31)	0.28	0.94				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.09 (0.39-3.03)	1.09 (0.47-2.53)	1.41 (0.39-5.08)	1.47 (0.54-3.96)	0.96	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	2.18 (0.59-8.03)	0.67 (0.26-1.72)	0.71 (0.27-1.85)	2.59 (0.74-9.07)	0.18	0.81				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.82 (0.28-2.38)	1.41 (0.59-3.41)	3.25 (0.64-16.39)	0.83 (0.30-2.30)	0.42	0.99				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	2.53 (0.79-8.08)	0.69 (0.28-1.69)	0.58 (0.24-1.42)	1.44 (0.50-4.15)	0.16	0.77				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.87 (0.31-2.42)	0.80 (0.35-1.86)	0.94 (0.26-3.38)	0.91 (0.34-2.46)	1.00	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	2.53 (0.79-8.08)	0.69 (0.28-1.69)	0.58 (0.24-1.42)	1.44 (0.50-4.15)	0.16	0.77				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.92 (0.33-2.56)	0.80 (0.35-1.86)	0.94 (0.26-3.38)	0.91 (0.34-2.46)	1.00	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.99 (0.65-6.13)	0.60 (0.23-1.58)	1.47 (0.58-3.74)	2.85 (0.98-8.26)	0.16	0.77				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.88 (0.29-2.73)	1.53 (0.64-3.63)	6.46 (1.64-25.54)	0.92 (0.31-2.69)	0.10	0.60				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.50 (0.45-4.96)	0.53 (0.16-1.77)	0.92 (0.32-2.63)	1.75 (0.53-5.85)	0.50	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.97 (0.31-3.02)	1.59 (0.60-4.23)	2.83 (0.70-11.44)	1.26 (0.40-4.02)	0.70	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.48 (0.22-1.08)	0.66 (0.33-1.33)	1.90 (1.00-3.60)	1.12 (0.52-2.19)	0.03	0.29				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.92 (0.44-1.92)	1.38 (0.77-2.48)	3.75 (1.25-11.27)	0.51 (0.25-1.05)	0.01	0.12				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	3.19 (1.38-7.39)	0.48 (0.21-1.08)	0.73 (0.38-1.41)	1.06 (0.49-2.29)	7.03 × 10 <sup>-3</sup>	0.08				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.09 (0.48-2.51)	1.33 (0.69-2.55)	2.11 (0.80-5.60)	0.87 (0.41-1.86)	0.55	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	7.24 (1.86-28.17)	0.51 (0.21-1.27)	0.77 (0.31-1.89)	0.90 (0.31-2.60)	5.91 × 10 <sup>-3</sup>	0.07				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.22 (0.44-3.39)	1.40 (0.59-3.29)	3.44 (0.81-14.56)	1.18 (0.44-3.19)	0.63	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	6.33 (1.92-20.85)	0.39 (0.14-1.11)	0.93 (0.37-2.36)	1.30 (0.46-3.69)	5.70 × 10 <sup>-3</sup>	0.07				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.03 (0.33-3.21)	0.82 (0.33-2.00)	1.76 (0.48-6.47)	0.71 (0.23-2.18)	0.74	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.43 (0.14-1.32)	1.47 (0.55-3.88)	0.69 (0.28-1.69)	1.50 (0.52-4.33)	0.27	0.93				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.34 (0.12-0.98)	0.99 (0.41-2.36)	0.44 (0.12-1.62)	0.96 (0.34-2.71)	0.36	0.98				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.85 (0.23-3.08)	0.35 (0.05-2.60)	1.36 (0.49-3.77)	1.07 (0.29-3.90)	0.62	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.76 (0.69-4.49)	1.21 (0.39-3.76)	2.44 (0.70-8.51)	0.85 (0.19-3.80)	0.70	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	2.67 (0.82-8.73)	0.65 (0.19-2.16)	1.22 (0.42-3.53)	1.55 (0.53-4.56)	0.41	0.98				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.81 (0.21-3.11)	0.60 (0.21-1.76)	1.12 (0.26-4.71)	0.39 (0.10-1.45)	0.74	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.74 (0.30-1.84)	1.77 (0.92-3.41)	0.52 (0.24-1.13)	1.27 (0.53-3.01)	0.08	0.54				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.71 (0.31-1.59)	0.89 (0.42-1.90)	0.77 (0.25-2.34)	0.95 (0.45-2.04)	0.95	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	1.73 (0.55-5.43)	0.87 (0.30-2.51)	0.73 (0.26-2.06)	1.28 (0.44-3.72)	0.69	1.00				
rs7867364	FREQ	9	Female	0.15	381	1.22 (0.74-2.01)	0.43	1.00	0.93 (0.28-3.16)									

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction	
						SNP OR (95% CI)	Observed P	Adjusted P	Placebo SNP OR (95% CI)	Bupropion SNP OR (95% CI)	Patch SNP OR (95% CI)	Spray SNP OR (95% CI)	Observed P	Adjusted P
rs2519154	DBH	9	Male	0.43	386	1.17 (0.69-2.00)	0.56	1.00	1.00 (0.31-3.25)	0.62 (0.23-1.65)	1.99 (0.74-5.31)	1.48 (0.44-5.00)	0.40	0.96
			Female	0.40	402	1.58 (0.91-2.73)	0.10	0.75	1.31 (0.45-3.83)	1.74 (0.69-4.39)	1.23 (0.30-5.14)	1.91 (0.62-5.83)	0.94	1.00
rs2797853	DBH	9	Male	0.35	385	0.99 (0.60-1.63)	0.98	0.98	5.89 (1.24-27.90)	0.70 (0.28-1.74)	0.40 (0.16-0.99)	1.56 (0.53-4.64)	7.31 × 10 <sup>-3</sup>	0.08
			Female	0.37	403	0.87 (0.52-1.44)	0.59	0.99	1.14 (0.40-3.23)	1.05 (0.43-2.53)	0.37 (0.10-1.37)	0.89 (0.32-2.46)	0.54	1.00
rs6479643	DBH	9	Male	0.36	386	1.18 (0.82-1.69)	0.37	0.99	0.92 (0.43-1.95)	0.82 (0.42-1.60)	1.55 (0.73-3.28)	1.84 (0.87-3.91)	0.32	0.94
			Female	0.38	403	1.10 (0.77-1.58)	0.60	0.98	1.17 (0.58-2.36)	1.16 (0.52-2.17)	1.08 (0.44-2.62)	0.99 (0.48-2.04)	0.99	0.99
rs77905	DBH	9	Male	0.46	383	1.07 (0.76-1.50)	0.71	1.00	1.04 (0.50-2.15)	0.72 (0.38-1.39)	1.01 (0.54-1.91)	2.03 (0.94-4.41)	0.24	0.86
			Female	0.48	403	1.01 (0.72-1.43)	0.94	1.00	1.29 (0.59-2.83)	0.85 (0.48-1.51)	1.44 (0.59-3.54)	0.88 (0.45-1.73)	0.68	1.00
rs2097628	DBH	9	Male	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs2073833	DBH	9	Male	0.40	352	1.13 (0.67-1.92)	0.65	1.00	1.24 (0.34-4.50)	0.90 (0.35-2.35)	0.82 (0.32-2.11)	2.39 (0.69-8.28)	0.54	0.98
			Female	0.41	379	1.18 (0.69-2.03)	0.54	0.99	0.86 (0.29-2.55)	0.90 (0.37-2.18)	3.02 (0.59-15.50)	1.45 (0.51-4.13)	0.52	0.99
rs6271	DBH	9	Male	0.08	384	0.68 (0.33-1.42)	0.29	0.99	NA	0.86 (0.24-3.03)	0.38 (0.08-1.81)	2.10 (0.57-7.76)	0.08	0.48
			Female	0.08	400	0.62 (0.28-1.38)	0.22	0.92	0.41 (0.05-3.42)	0.75 (0.23-2.51)	0.40 (0.05-3.44)	0.79 (0.16-3.95)	0.92	1.00
rs10993948	DBH	9	Male	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs10993949	DBH	9	Male	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs3025425	DBH	9	Male	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs129883	DBH	9	Male	0.34	386	0.83 (0.51-1.35)	0.45	1.00	0.95 (0.32-2.86)	0.72 (0.29-1.79)	1.09 (0.45-2.66)	0.61 (0.21-1.72)	0.83	0.99
			Female	0.37	403	1.01 (0.60-1.70)	0.97	0.97	2.11 (0.69-6.47)	1.21 (0.48-3.08)	0.34 (0.09-1.29)	0.82 (0.30-2.21)	0.19	0.75
rs129915	DBH	9	Male	0.27	358	1.17 (0.71-1.93)	0.54	1.00	1.05 (0.33-3.36)	0.74 (0.29-1.88)	1.47 (0.59-3.64)	1.75 (0.57-5.31)	0.64	0.99
			Female	0.29	373	1.65 (0.97-2.80)	0.06	0.61	1.51 (0.50-4.58)	1.86 (0.75-4.61)	2.96 (0.70-12.52)	1.13 (0.41-3.08)	0.73	1.00
rs129884	DBH	9	Male	0.17	386	1.25 (0.80-1.96)	0.33	0.99	0.49 (0.15-1.57)	1.60 (0.71-3.57)	1.48 (0.64-3.46)	1.50 (0.63-3.73)	0.33	0.93
			Female	0.17	402	1.10 (0.68-1.78)	0.71	0.99	0.09 (0.39-0.96)	0.85 (0.35-2.05)	1.43 (0.48-4.00)	1.24 (0.50-3.07)	0.89	1.00
rs129886	DBH	9	Male	0.18	384	1.36 (0.87-2.12)	0.18	0.93	0.71 (0.24-2.15)	1.95 (0.88-4.33)	1.46 (0.65-3.25)	1.47 (0.73-3.11)	0.52	0.99
			Female	0.18	401	0.76 (0.46-1.25)	0.27	0.95	0.90 (0.35-2.28)	0.50 (0.19-1.37)	0.79 (0.21-2.90)	0.95 (0.37-2.42)	0.79	1.00
rs2073835	DBH	9	Male	0.29	354	0.99 (0.65-1.49)	0.96	1.00	0.82 (0.31-2.17)	0.64 (0.29-1.41)	0.87 (0.40-1.91)	2.32 (0.96-5.62)	0.16	0.74
			Female	0.31	378	1.34 (0.92-1.94)	0.13	0.83	1.06 (0.49-2.02)	1.70 (0.86-3.37)	1.45 (0.62-3.62)	1.33 (0.61-2.89)	0.76	1.00
rs12244716	CALY	10	Male	0.14	384	0.62 (0.36-1.08)	0.08	0.22	0.83 (0.26-2.65)	0.73 (0.27-2.01)	0.72 (0.26-2.08)	0.27 (0.06-1.23)	0.61	0.69
			Female	0.12	401	0.77 (0.42-1.39)	0.37	0.45	0.29 (0.07-1.30)	1.55 (0.61-3.95)	1.28 (0.39-4.20)	0.22 (0.03-1.80)	0.09	0.21
rs2275723	CALY	10	Male	0.10	384	0.62 (0.32-1.21)	0.15	0.34	0.95 (0.25-3.52)	0.62 (0.18-2.07)	0.79 (0.24-2.64)	0.24 (0.03-1.79)	0.64	0.64
			Female	0.09	399	0.73 (0.36-1.45)	0.33	0.66	0.19 (0.02-1.48)	1.89 (0.73-4.90)	0.77 (0.12-5.03)	0.24 (0.03-1.79)	0.02	0.06
rs2298122	CALY	10	Male	0.19	354	0.78 (0.45-1.35)	0.37	0.62	0.27 (0.05-1.31)	1.02 (0.39-2.68)	1.11 (0.41-2.96)	0.68 (0.19-2.38)	0.41	0.58
			Female	0.17	378	0.64 (0.36-1.16)	0.13	0.36	0.42 (0.13-1.38)	1.40 (0.58-3.41)	0.57 (0.11-2.91)	0.15 (0.02-1.22)	0.11	0.21
rs11101694	CALY	10	Male	0.13	353	0.42 (0.21-0.85)	0.01	0.04	0.26 (0.02-1.62)	0.62 (0.20-1.90)	0.59 (0.18-1.95)	0.18 (0.02-1.45)	0.54	0.69
			Female	0.12	379	0.84 (0.44-1.59)	0.59	0.59	0.27 (0.06-1.29)	2.01 (0.79-5.13)	1.05 (0.20-5.54)	0.27 (0.03-2.32)	0.06	0.17
rs10776672	CALY	10	Male	0.11	385	1.27 (0.71-2.28)	0.43	0.63	0.38 (0.08-1.85)	2.12 (0.69-6.52)	1.81 (0.66-4.92)	1.06 (0.26-4.26)	0.25	0.53
			Female	0.10	403	0.94 (0.62-1.46)	0.37	0.65	1.57 (0.49-5.06)	0.43 (0.12-1.56)	0.71 (0.14-3.67)	0.58 (0.12-2.85)	0.51	0.51
rs4838721	CALY	10	Male	0.19	386	0.97 (0.62-1.53)	0.90	0.90	0.70 (0.24-2.04)	1.33 (0.57-3.08)	1.44 (0.65-3.21)	0.48 (0.16-1.46)	0.31	0.57
			Female	0.17	403	0.74 (0.44-1.23)	0.23	0.51	0.58 (0.21-1.61)	1.17 (0.52-2.64)	1.07 (0.37-3.11)	0.15 (0.02-1.17)	0.14	0.23
rs7932167	DRD4	11	Male	0.23	385	0.94 (0.57-1.55)	0.81	0.81	1.24 (0.40-3.84)	0.72 (0.29-1.78)	1.62 (0.69-3.95)	0.41 (0.11-1.56)	0.30	0.69
			Female	0.21	402	1.28 (0.77-2.13)	0.35	0.80	2.10 (0.75-5.90)	0.98 (0.40-2.41)	0.84 (0.22-3.16)	1.46 (0.53-4.01)	0.65	0.93
rs12280580	DRD4	11	Male	0.30	386	1.18 (0.72-1.91)	0.51	0.93	0.27 (0.08-0.87)	1.14 (0.46-2.81)	2.59 (1.04-6.48)	1.56 (0.54-4.49)	0.02	0.99
			Female	0.28	403	1.38 (0.82-2.30)	0.22	0.80	0.83 (0.30-2.29)	2.56 (1.08-6.08)	1.44 (0.40-5.20)	0.92 (0.34-2.54)	0.32	0.72
rs4987059	DRD4	11	Male	0.06	385	0.71 (0.32-1.58)	0.39	0.97	0.55 (0.06-4.74)	0.72 (0.14-3.75)	0.66 (0.18-2.41)	0.95 (0.19-4.87)	0.98	0.98
			Female	0.05	403	1.56 (0.74-3.30)	0.25	0.80	2.11 (0.50-8.96)	1.36 (0.38-4.83)	1.50 (0.28-8.16)	1.43 (0.26-7.83)	0.97	0.97
rs936441	DRD4	11	Male	0.36	370	0.88 (0.62-1.26)	0.49	0.95	1.10 (0.47-2.55)	0.86 (0.45-1.64)	0.83 (0.43-1.57)	0.83 (0.37-1.88)	0.96	1.00
			Female	0.36	386	1.53 (1.03-2.27)	0.04	0.26	1.62 (0.71-3.70)	1.80 (0.92-3.51)	2.43 (0.86-6.85)	0.85 (0.38-1.93)	0.38	0.81
rs1800443	DRD4	11	Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Female	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs11246226	DRD4	11	Male	0.50	345	0.89 (0.62-1.28)	0.52	0.89	0.48 (0.19-1.20)	0.59 (0.29-1.20)	1.82 (0.93-3.54)	0.85 (0.39-1.88)	0.05	0.21
			Female	0.48	371	1.30 (0.90-1.88)	0.17	0.73	1.28 (0.62-2.67)	0.86 (0.45-1.61)	2.96 (1.10-7.94)	1.39 (0.63-3.11)	0.20	0.55
rs936465	DRD4	11	Male	0.47	341	0.75 (0.43-1.32)	0.32	0.96	0.47 (0.13-1.65)	0.51 (0.19-1.36)	1.59 (0.55-4.56)	0.69 (0.18-2.64)	0.36	0.74
			Female	0.45	369	2.01 (1.07-3.75)	0.02	0.18	1.73 (0.51-5.85)	1.45 (0.57-3.70)	5.34 (0.63-45.33)	2.88 (0.60-13.80)	0.65	0.96
rs10902188	DRD4	11	Male	0.09	386	0.77 (0.40-1.45)	0.41	0.96	1.44 (0.39-5.26)	1.11 (0.43-2.84)	0.42 (0.11-1.55)	NA	0.17	0.51
			Female	0.09	403	1.08 (0.57-2.06)	0.81	0.96	1.35 (0.39-4.71)	1.44 (0.45-4.58)	2.02 (0.46-8.88)	0.40 (0.09-1.82)	0.38	0.75
rs6598007	DRD4	11	Male	0.06	386	0.69 (0.31-1.56)	0.36	0.97	1.25 (0.24-6.20)	0.43 (0.09-2.09)	0.45 (0.09-2.16)	1.53 (0.28-8.38)	0.60	0.92
			Female	0.06	403	1.48 (0.73-3.00)	0.28	0.78	1.37 (0.34-5.53)	1.69 (0.55-5.14)	0.83 (0.09-7.51)	1.77 (0.41-7.63)	0.93	0.99
rs4963126	DRD4	11	Male	0.45	386	0.90 (0.53-1.53)	0.70	0.91	0.57 (0.21-2.07)	0.96 (0.34-2.69)	0.69 (0.26-1.78)	1.65 (0.49-5.58)	0.66	0.92
			Female	0.49	402	0.97 (0.55-1.71)	0.92	0.92	1.18 (0.38-3.66)	0.86 (0.32-2.33)	0.66 (0.17-2.52)	1.20 (0.38-3.73)	0.89	1.00
rs11603404	DRD4	11	Male	0.13	386	1.25 (0.72-2.17)	0.44	0.95	0.44 (0.11-1.69)	1.81 (0.67-4.85)	1.30 (0.40-4.25)	1.77 (0.60-5.22)	0.31	0.70
			Female	0.14	403	0.79 (0.44-1.42)	0.43	0.79	0.62 (0.18-2.06)	1.22 (0.49-3.06)	0.74 (0.18-3.09)	0.43 (0.09-2.06)	0.64	0.95
rs100446	TH	11	Male	0.37	385	1.19 (0.72-1.96)	0.50	1.00	2.43 (0.63-9.35)	0.85 (0.34-2.09)	0.72 (0.29-1.77)	2.46 (0.74-8.24)	0.22	0.55
			Female	0.38	403	1.42 (0.84-2.41)	0.19	0.80	2.08 (0.68-6.35)	0.92 (0.38-2.23)	1.49 (0.36-6.17)	1.70 (0.62-4.68)	0.69	0.97
rs79243														

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction					
						Likelihood ratio test			Placebo		Bupropion		Patch		Spray		Observed P	Adjusted P
						SNP OR (95% CI)	Observed P	Adjusted P	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)				
rs6265	<i>BDNF</i>	11	Male	0.19	386	0.82 (0.52-1.30)	0.39	0.96	0.86 (0.34-2.15)	0.78 (0.31-1.92)	0.57 (0.23-1.39)	1.34 (0.52-3.46)	0.65	0.98				
			Female	0.18	403	0.98 (0.62-1.56)	0.95	1.00	0.52 (0.17-1.56)	1.88 (0.84-4.21)	0.37 (0.08-1.67)	1.24 (0.53-2.86)	0.10	0.39				
rs11030101	<i>BDNF</i>	11	Male	0.46	385	0.95 (0.56-1.63)	0.86	0.98	0.86 (0.26-2.81)	1.03 (0.36-2.89)	1.55 (0.55-4.36)	0.52 (0.17-1.54)	0.55	0.98				
			Female	0.48	403	1.01 (0.55-1.86)	0.97	1.00	0.87 (0.25-2.99)	0.77 (0.27-2.22)	2.16 (0.43-10.89)	1.00 (0.32-3.13)	0.74	0.96				
rs11030104	<i>BDNF</i>	11	Male	0.21	386	0.82 (0.52-1.27)	0.37	0.96	0.98 (0.41-2.34)	0.73 (0.29-1.79)	0.50 (0.21-1.22)	1.31 (0.54-3.15)	0.48	0.95				
			Female	0.20	403	1.01 (0.66-1.56)	0.95	1.00	0.62 (0.23-1.65)	1.93 (0.87-4.27)	0.29 (0.07-1.30)	1.39 (0.64-3.01)	0.05	0.25				
rs1401635	<i>BDNF</i>	11	Male	0.30	385	1.09 (0.67-1.77)	0.73	1.00	0.56 (0.18-1.71)	1.33 (0.54-3.27)	1.03 (0.42-2.50)	1.68 (0.56-5.01)	0.53	0.97				
			Female	0.27	403	1.08 (0.66-1.79)	0.75	1.00	1.42 (0.51-3.93)	0.97 (0.42-2.24)	2.87 (0.70-11.78)	0.57 (0.21-1.57)	0.27	0.67				
rs12291063	<i>BDNF</i>	11	Male	1.27 × 10 <sup>3</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
			Female	3.71 × 10 <sup>3</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
rs2049045	<i>BDNF</i>	11	Male	0.19	386	0.78 (0.49-1.24)	0.29	0.90	0.70 (0.27-1.84)	0.78 (0.31-1.92)	0.57 (0.23-1.39)	1.34 (0.52-3.46)	0.64	0.98				
			Female	0.17	403	0.93 (0.58-1.49)	0.75	1.00	0.53 (0.18-1.61)	1.88 (0.84-4.21)	0.21 (0.03-1.56)	1.13 (0.46-2.75)	0.06	0.28				
rs11030107	<i>BDNF</i>	11	Male	0.26	377	1.12 (0.75-1.68)	0.59	1.00	0.45 (0.14-1.47)	1.20 (0.57-2.50)	1.12 (0.56-2.27)	1.91 (0.78-4.67)	0.26	0.78				
			Female	0.22	396	0.92 (0.59-1.44)	0.72	1.00	0.75 (0.26-2.16)	0.69 (0.32-1.47)	2.65 (0.95-7.39)	0.75 (0.30-1.84)	0.16	0.48				
rs10835210	<i>BDNF</i>	11	Male	0.42	386	1.07 (0.63-1.80)	0.81	1.00	1.44 (0.45-4.59)	1.27 (0.46-3.54)	1.09 (0.42-2.84)	0.64 (0.22-1.87)	0.74	0.98				
			Female	0.48	403	0.83 (0.48-1.45)	0.52	0.99	0.80 (0.25-2.51)	0.78 (0.29-2.13)	1.08 (0.29-4.07)	0.78 (0.27-2.32)	0.98	0.98				
rs7103873	<i>BDNF</i>	11	Male	0.46	386	0.97 (0.56-1.66)	0.90	0.99	0.86 (0.26-2.81)	1.02 (0.36-2.87)	1.55 (0.55-4.34)	0.56 (0.19-1.66)	0.61	0.97				
			Female	0.48	403	1.01 (0.55-1.86)	0.96	1.00	0.82 (0.24-2.83)	0.77 (0.27-2.22)	2.32 (0.46-11.71)	1.00 (0.32-3.13)	0.68	0.97				
rs6484320	<i>BDNF</i>	11	Male	0.22	386	0.77 (0.50-1.20)	0.24	0.86	0.98 (0.41-2.33)	0.68 (0.27-1.68)	0.50 (0.21-1.19)	1.12 (0.47-2.64)	0.57	0.98				
			Female	0.20	403	1.04 (0.68-1.58)	0.86	1.00	0.62 (0.23-1.65)	1.84 (0.86-3.97)	0.30 (0.07-1.29)	1.47 (0.71-3.05)	0.04	0.24				
rs1013402	<i>BDNF</i>	11	Male	0.31	386	1.09 (0.76-1.58)	0.64	1.00	0.98 (0.41-2.34)	1.25 (0.66-2.37)	0.84 (0.42-1.71)	1.36 (0.62-2.99)	0.79	0.90				
			Female	0.27	402	1.01 (0.67-1.52)	0.96	1.00	1.45 (0.64-3.26)	0.84 (0.41-1.71)	2.45 (0.85-7.06)	0.52 (0.22-1.25)	0.10	0.35				
rs988748	<i>BDNF</i>	11	Male	0.22	386	0.77 (0.50-1.20)	0.24	0.86	0.98 (0.41-2.33)	0.68 (0.27-1.68)	0.50 (0.21-1.19)	1.12 (0.47-2.64)	0.57	0.98				
			Female	0.21	403	1.03 (0.68-1.57)	0.89	1.00	0.59 (0.22-1.59)	1.84 (0.86-3.96)	0.30 (0.07-1.29)	1.47 (0.71-3.05)	0.04	0.22				
rs10767664	<i>BDNF</i>	11	Male	0.22	384	0.76 (0.49-1.19)	0.22	0.84	1.04 (0.43-2.51)	0.68 (0.27-1.68)	0.45 (0.18-1.11)	1.12 (0.47-2.65)	0.45	0.93				
			Female	0.20	403	1.04 (0.68-1.58)	0.86	1.00	0.62 (0.23-1.65)	1.84 (0.86-3.97)	0.30 (0.07-1.29)	1.47 (0.71-3.05)	0.04	0.24				
rs2030324	<i>BDNF</i>	11	Male	0.48	385	0.69 (0.39-1.20)	0.19	0.80	0.82 (0.23-2.91)	0.73 (0.25-2.09)	0.34 (0.12-0.94)	1.49 (0.38-5.80)	0.35	0.87				
			Female	0.47	403	1.03 (0.58-1.82)	0.92	1.00	0.62 (0.21-1.78)	1.43 (0.57-3.60)	2.56 (0.30-21.72)	0.74 (0.23-2.38)	0.47	0.89				
rs11030119	<i>BDNF</i>	11	Male	0.29	386	1.12 (0.69-1.81)	0.66	1.00	0.65 (0.21-1.98)	1.16 (0.47-2.83)	1.06 (0.44-2.58)	1.91 (0.64-5.68)	0.59	0.99				
			Female	0.26	403	0.99 (0.60-1.64)	0.98	0.98	1.10 (0.39-3.06)	0.92 (0.39-2.16)	2.48 (0.60-10.19)	0.62 (0.22-1.65)	0.43	0.85				
rs7934165	<i>BDNF</i>	11	Male	0.48	384	0.68 (0.39-1.19)	0.18	0.77	0.82 (0.23-2.92)	0.69 (0.24-1.99)	0.35 (0.13-0.95)	1.46 (0.38-5.67)	0.37	0.89				
			Female	0.47	400	1.05 (0.59-1.85)	0.88	1.00	0.61 (0.21-1.77)	1.48 (0.59-3.73)	2.55 (0.30-21.69)	0.62 (0.23-1.43)	0.46	0.88				
rs11030121	<i>BDNF</i>	11	Male	0.30	385	1.07 (0.74-1.55)	0.71	1.00	1.01 (0.44-2.35)	1.03 (0.53-1.98)	0.93 (0.45-1.92)	1.39 (0.65-2.96)	0.89	0.89				
			Female	0.27	403	0.96 (0.64-1.45)	0.86	1.00	1.27 (0.55-2.96)	0.80 (0.40-1.62)	2.67 (0.87-8.23)	0.54 (0.23-1.30)	0.12	0.39				
rs12273363	<i>BDNF</i>	11	Male	0.20	381	1.15 (0.73-1.80)	0.55	0.99	0.86 (0.30-2.48)	0.92 (0.39-2.20)	1.27 (0.56-2.85)	1.62 (0.66-3.96)	0.76	0.96				
			Female	0.16	400	1.09 (0.68-1.75)	0.73	1.00	1.14 (0.38-3.42)	1.00 (0.43-2.29)	1.79 (0.66-4.83)	0.78 (0.29-2.04)	0.69	0.98				
rs908867	<i>BDNF</i>	11	Male	0.09	385	1.07 (0.60-1.91)	0.82	1.00	1.26 (0.44-3.60)	1.51 (0.50-4.57)	0.45 (0.09-2.13)	1.12 (0.37-3.42)	0.60	0.98				
			Female	0.10	403	0.97 (0.53-1.78)	0.92	1.00	1.58 (0.56-4.44)	0.60 (0.19-1.90)	2.08 (0.47-9.23)	0.59 (0.15-2.27)	0.39	0.84				
rs1491850	<i>BDNF</i>	11	Male	0.43	384	0.89 (0.62-1.28)	0.53	0.99	0.83 (0.34-1.98)	0.84 (0.40-1.76)	0.71 (0.37-1.34)	1.34 (0.65-2.79)	0.62	0.98				
			Female	0.37	402	1.11 (0.77-1.58)	0.59	1.00	0.97 (0.46-2.02)	1.58 (0.84-2.96)	0.75 (0.33-1.74)	1.06 (0.51-2.19)	0.54	0.92				
rs2049048	<i>BDNF</i>	11	Male	0.16	386	1.03 (0.60-1.75)	0.93	0.93	1.14 (0.35-3.72)	2.44 (0.91-6.54)	0.54 (0.18-1.60)	0.69 (0.22-2.16)	0.18	0.64				
			Female	0.13	403	0.62 (0.33-1.17)	0.13	0.65	0.64 (0.17-2.42)	0.52 (0.18-1.51)	0.39 (0.05-3.31)	0.88 (0.28-2.73)	0.88	0.98				
rs11214589	<i>ANKK1</i>	11	Male	0.48	367	0.68 (0.39-1.18)	0.17	0.93	0.63 (0.17-2.32)	0.40 (0.15-1.10)	0.58 (0.22-1.51)	2.52 (0.52-12.26)	0.22	0.83				
			Female	0.49	383	1.32 (0.70-2.49)	0.38	0.99	0.97 (0.31-3.10)	2.24 (0.70-7.19)	0.51 (0.13-2.00)	2.21 (0.45-10.71)	0.35	0.90				
rs4938010	<i>ANKK1</i>	11	Male	0.14	386	0.68 (0.38-1.22)	0.19	0.94	0.44 (0.11-1.69)	0.72 (0.23-2.26)	0.99 (0.36-2.68)	0.55 (0.14-2.11)	0.79	1.00				
			Female	0.15	403	1.33 (0.76-2.30)	0.32	0.99	2.85 (1.00-8.12)	1.75 (0.70-4.37)	0.59 (0.12-3.00)	0.52 (0.14-1.96)	0.13	0.53				
rs754672	<i>ANKK1</i>	11	Male	0.46	386	0.67 (0.40-1.12)	0.13	0.87	0.76 (0.23-2.52)	0.34 (0.13-0.88)	1.45 (0.52-4.08)	0.57 (0.20-1.65)	0.22	0.82				
			Female	0.48	402	0.76 (0.44-1.32)	0.33	0.99	1.05 (0.31-3.57)	0.49 (0.20-1.20)	0.63 (0.16-2.40)	1.25 (0.40-3.86)	0.56	0.98				
rs8397584	<i>ANKK1</i>	11	Male	0.34	385	1.01 (0.62-1.64)	0.97	1.00	1.07 (0.36-3.21)	0.53 (0.21-1.31)	2.22 (0.86-6.59)	0.81 (0.29-2.30)	0.18	0.74				
			Female	0.34	401	0.79 (0.48-1.31)	0.36	0.96	0.88 (0.32-2.47)	0.31 (0.13-0.76)	1.79 (0.48-6.71)	1.53 (0.55-4.28)	0.05	0.30				
rs10891545	<i>ANKK1</i>	11	Male	0.13	386	0.71 (0.41-1.25)	0.22	0.96	0.71 (0.23-2.24)	0.57 (0.18-1.86)	0.88 (0.35-2.21)	0.63 (0.16-2.43)	0.95	1.00				
			Female	0.15	403	1.14 (0.70-1.85)	0.61	1.00	1.71 (0.73-4.00)	1.37 (0.60-3.14)	0.91 (0.25-3.28)	0.48 (0.13-1.73)	0.36	0.91				
rs4938012	<i>ANKK1</i>	11	Male	0.33	386	1.00 (0.62-1.63)	0.98	1.00	1.09 (0.36-3.26)	0.58 (0.24-1.44)	1.84 (0.73-4.62)	0.87 (0.31-2.46)	0.36	0.95				
			Female	0.33	402	0.76 (0.46-1.25)	0.27	0.98	0.86 (0.31-2.42)	0.27 (0.11-0.65)	1.94 (0.52-7.26)	1.53 (0.55-4.29)	0.02	0.17				
rs7123797	<i>ANKK1</i>	11	Male	0.34	385	0.98 (0.60-1.60)	0.94	1.00	1.09 (0.36-3.27)	0.58 (0.24-1.43)	1.72 (0.68-4.37)	0.87 (0.31-2.46)	0.42	0.97				
			Female	0.34	402	0.75 (0.45-1.24)	0.26	0.98	0.86 (0.31-2.42)	0.27 (0.11-0.65)	1.85 (0.49-6.92)	1.53 (0.55-4.29)	0.02	0.17				
rs12360992	<i>ANKK1</i>	11	Male	0.46	386	0.73 (0.43-1.22)	0.23	0.97	0.70 (0.21-2.31)	0.36 (0.14-0.94)	1.27 (0.45-3.60)	0.94 (0.32-2.73)	0.32	0.92				
			Female	0.48	402	0.81 (0.47-1.40)	0.46	1.00	1.07 (0.32-3.65)	0.45 (0.19-1.09)	1.13 (0.27-4.72)	1.26 (0.41-3.89)	0.44	0.96				
rs4590907	<i>ANKK1</i>	11	Male	0.13	386	0.74 (0.42-1.28)	0.27	0.98	0.71 (0.23-2.24)	0.57 (0.18-1.86)	0.92 (0.37-2.30)	0.69 (0.18-2.67)	0.94	1.00				
			Female	0.15	403	1.34 (0.83-2.17)	0.24	0.97	1.91 (0.79-4.59)	1.50 (0.65-3.45)	0.96 (0.27-3.42)	0.90 (0.31-2.63)	0.68	0.98				
rs17115439	<i>ANKK1</i>	11	Male	0.33	386	0.98 (0.60-1.59)	0.94	1.00	1.02 (0.34-3.06)	0.58 (0.24-1.44)	1.76 (0.70-4.44)	0.87 (0.31-2.46)	0.40	0.97				
			Female	0.33	403	0.78 (0.47-1.30)	0.35	0										

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects					
						Likelihood ratio test		Placebo	Bupropion	Patch	Spray	Test of Interaction		
						SNP OR (95% CI)	Observed P					Adjusted P	SNP OR (95% CI)	Observed P
rs2471851	DRD2	11	Male	0.16	386	0.97 (0.61-1.54)	0.89	1.00	0.98 (0.36-2.65)	0.73 (0.32-1.66)	1.41 (0.60-3.31)	0.89 (0.29-2.73)	0.75	1.00
			Female	0.17	403	0.71 (0.42-1.19)	0.18	0.93	0.29 (0.06-1.33)	0.34 (0.13-0.93)	2.71 (0.83-8.84)	1.38 (0.50-3.83)	0.02	0.13
rs7122246	DRD2	11	Male	0.39	385	0.74 (0.45-1.22)	0.24	0.97	0.53 (0.17-1.65)	0.48 (0.19-1.21)	1.10 (0.43-2.80)	1.02 (0.35-2.94)	0.53	0.99
			Female	0.41	402	0.75 (0.45-1.26)	0.28	0.98	0.48 (0.17-1.37)	0.49 (0.21-1.16)	1.86 (0.45-7.65)	1.22 (0.43-3.44)	0.24	0.76
rs4436578	DRD2	11	Male	0.11	386	0.72 (0.40-1.29)	0.25	0.98	0.44 (0.10-1.97)	0.88 (0.28-2.82)	0.64 (0.23-1.78)	1.01 (0.31-3.28)	0.82	1.00
			Female	0.13	403	1.61 (1.02-2.55)	0.05	0.53	2.06 (0.92-4.63)	1.98 (0.89-4.40)	0.66 (0.15-2.98)	1.36 (0.49-3.79)	0.50	0.98
rs4587762	DRD2	11	Male	0.40	386	0.74 (0.45-1.21)	0.23	0.97	0.60 (0.20-1.81)	0.48 (0.19-1.21)	1.03 (0.40-2.62)	1.02 (0.35-2.95)	0.61	1.00
			Female	0.42	403	0.73 (0.43-1.21)	0.23	0.96	0.48 (0.17-1.37)	0.47 (0.20-1.11)	1.73 (0.42-7.13)	1.18 (0.42-3.33)	0.26	0.79
rs4586205	DRD2	11	Male	0.24	385	0.93 (0.57-1.52)	0.77	1.00	0.87 (0.28-2.67)	1.09 (0.43-2.72)	0.84 (0.34-2.08)	0.92 (0.33-2.16)	0.98	0.98
			Female	0.25	403	0.96 (0.58-1.60)	0.88	1.00	1.00 (0.36-2.78)	0.97 (0.41-2.27)	0.98 (0.26-3.70)	0.90 (0.32-2.54)	1.00	1.00
rs4620755	DRD2	11	Male	0.11	385	0.69 (0.38-1.25)	0.21	0.95	0.44 (0.10-1.94)	0.72 (0.20-2.51)	0.67 (0.24-1.85)	1.01 (0.31-3.28)	0.85	1.00
			Female	0.13	403	1.45 (0.90-2.34)	0.13	0.86	2.13 (0.95-4.78)	1.40 (0.58-3.35)	0.66 (0.15-2.98)	1.36 (0.49-3.78)	0.55	0.98
rs7125415	DRD2	11	Male	0.09	386	1.04 (0.55-1.99)	0.90	1.00	0.81 (0.16-4.07)	0.92 (0.26-3.31)	1.11 (0.36-3.43)	1.30 (0.37-4.60)	0.97	1.00
			Female	0.10	403	1.45 (0.79-2.66)	0.24	0.97	2.49 (0.80-7.72)	1.39 (0.48-4.03)	0.40 (0.05-3.42)	1.57 (0.48-5.06)	0.44	0.96
rs4936270	DRD2	11	Male	0.09	384	0.85 (0.44-1.66)	0.64	1.00	1.28 (0.31-5.28)	0.57 (0.15-2.19)	1.46 (0.49-4.31)	0.28 (0.03-2.30)	0.39	0.96
			Female	0.11	403	1.20 (0.65-2.21)	0.57	1.00	1.38 (0.46-4.12)	0.62 (0.17-2.33)	1.04 (0.20-5.43)	1.96 (0.64-6.03)	0.60	0.98
rs4274224	DRD2	11	Male	0.47	385	1.04 (0.61-1.78)	0.89	1.00	1.23 (0.38-3.98)	0.76 (0.30-1.97)	0.87 (0.30-2.52)	1.71 (0.51-5.76)	0.73	1.00
			Female	0.46	403	0.84 (0.49-1.45)	0.53	1.00	1.00 (0.32-3.11)	0.59 (0.24-1.46)	1.21 (0.29-5.06)	0.93 (0.31-2.74)	0.81	0.98
rs4245148	DRD2	11	Male	0.09	385	0.86 (0.44-1.67)	0.64	1.00	1.28 (0.31-5.28)	0.57 (0.15-2.19)	1.46 (0.49-4.31)	0.29 (0.03-2.34)	0.40	0.97
			Female	0.12	403	1.15 (0.62-2.12)	0.66	1.00	1.21 (0.41-3.59)	0.62 (0.17-2.33)	1.04 (0.20-5.43)	1.96 (0.64-6.03)	0.62	0.98
rs4460839	DRD2	11	Male	0.08	385	0.89 (0.46-1.75)	0.74	1.00	1.44 (0.34-6.01)	0.61 (0.16-2.40)	1.45 (0.49-4.27)	0.29 (0.03-2.35)	0.40	0.97
			Female	0.11	402	1.32 (0.71-2.45)	0.38	0.99	1.75 (0.58-5.30)	0.68 (0.18-2.57)	1.04 (0.20-5.43)	1.96 (0.64-6.03)	0.60	0.98
rs7122454	DRD2	11	Male	0.15	386	1.09 (0.68-1.74)	0.73	1.00	1.18 (0.39-3.55)	0.93 (0.40-2.16)	1.03 (0.45-2.39)	1.45 (0.47-4.42)	0.94	1.00
			Female	0.14	403	1.02 (0.62-1.67)	0.93	0.96	0.37 (0.10-1.36)	1.89 (0.81-4.40)	1.96 (0.69-5.60)	0.61 (0.21-1.74)	0.07	0.35
rs10891552	DRD2	11	Male	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Female	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs4630328	DRD2	11	Male	0.38	385	0.97 (0.68-1.38)	0.86	1.00	0.78 (0.32-1.91)	0.90 (0.49-1.67)	0.65 (0.31-1.36)	1.83 (0.88-3.81)	0.22	0.82
			Female	0.35	403	0.81 (0.55-1.19)	0.27	0.98	0.76 (0.31-1.85)	0.79 (0.43-1.48)	1.37 (0.59-3.15)	0.56 (0.25-1.26)	0.51	0.98
rs11214613	DRD2	11	Male	0.08	385	0.81 (0.42-1.58)	0.53	1.00	1.21 (0.33-4.39)	0.41 (0.08-1.97)	1.21 (0.44-3.33)	0.34 (0.04-2.84)	0.47	0.99
			Female	0.10	403	1.24 (0.71-2.18)	0.46	1.00	1.62 (0.65-3.99)	0.54 (0.12-2.44)	0.91 (0.21-3.92)	1.96 (0.64-6.02)	0.47	0.97
rs4938019	DRD2	11	Male	0.16	386	1.08 (0.68-1.72)	0.75	1.00	1.12 (0.37-3.36)	0.89 (0.38-2.07)	0.94 (0.41-2.20)	1.87 (0.63-5.55)	0.74	1.00
			Female	0.15	402	1.00 (0.61-1.64)	0.99	0.99	0.37 (0.10-1.36)	1.86 (0.80-4.35)	1.96 (0.69-5.60)	0.58 (0.20-1.66)	0.06	0.33
rs1799978	DRD2	11	Male	0.06	385	1.28 (0.61-2.70)	0.53	1.00	2.34 (0.62-8.82)	1.27 (0.28-5.65)	1.54 (0.35-6.81)	0.38 (0.05-3.17)	0.48	0.99
			Female	0.05	403	1.07 (0.47-2.45)	0.87	1.00	0.98 (0.20-4.95)	1.61 (0.45-5.83)	NA	0.98 (0.19-5.07)	0.60	0.98
rs10891556	DRD2	11	Male	0.18	378	1.10 (0.65-1.84)	0.73	1.00	2.86 (0.94-8.75)	0.86 (0.33-2.28)	0.52 (0.19-1.47)	1.53 (0.51-4.55)	0.14	0.65
			Female	0.17	397	0.90 (0.52-1.58)	0.72	1.00	0.44 (0.13-1.45)	1.48 (0.58-3.81)	1.60 (0.41-6.15)	0.67 (0.22-2.05)	0.32	0.87
rs6589377	DRD2	11	Male	0.38	386	0.95 (0.67-1.36)	0.78	1.00	0.75 (0.31-1.81)	0.88 (0.47-1.63)	0.65 (0.31-1.36)	1.83 (0.88-3.81)	0.21	0.81
			Female	0.35	403	0.81 (0.56-1.19)	0.29	0.98	0.79 (0.32-1.90)	0.79 (0.43-1.48)	1.37 (0.59-3.15)	0.56 (0.25-1.26)	0.51	0.98
rs2110113	CALM1	14	Male	0.12	386	0.92 (0.53-1.60)	0.76	0.99	0.64 (0.16-2.52)	1.36 (0.53-3.46)	0.62 (0.21-1.80)	1.19 (0.34-4.17)	0.65	0.95
			Female	0.12	403	0.99 (0.58-1.67)	0.96	1.00	1.35 (0.48-3.79)	0.79 (0.30-2.08)	0.36 (0.05-2.75)	1.38 (0.54-3.55)	0.51	0.84
rs3814847	CALM1	14	Male	0.37	386	0.98 (0.69-1.38)	0.90	0.98	0.72 (0.33-1.57)	1.90 (0.99-3.66)	0.77 (0.40-1.49)	0.74 (0.35-1.59)	0.13	0.40
			Female	0.34	403	1.01 (0.70-1.47)	0.95	1.00	2.07 (0.94-4.57)	0.83 (0.43-1.60)	0.99 (0.43-2.30)	0.68 (0.31-1.50)	0.20	0.55
rs12885713	CALM1	14	Male	0.45	385	0.97 (0.58-1.64)	0.92	0.92	0.96 (0.27-3.41)	1.10 (0.41-2.94)	0.80 (0.32-1.98)	1.12 (0.38-3.34)	0.96	0.96
			Female	0.43	401	0.98 (0.58-1.66)	0.93	1.00	3.53 (0.76-16.47)	0.66 (0.28-1.56)	0.99 (0.26-3.74)	0.75 (0.27-2.07)	0.22	0.55
rs3213718	CALM1	14	Male	0.43	386	0.96 (0.57-1.60)	0.86	0.99	0.96 (0.27-3.41)	1.51 (0.57-3.97)	0.64 (0.26-1.58)	0.94 (0.32-2.71)	0.65	0.89
			Female	0.41	403	0.99 (0.59-1.66)	0.96	0.96	4.12 (0.88-19.16)	0.70 (0.30-1.64)	1.08 (0.29-4.09)	0.61 (0.22-1.67)	0.12	0.37
rs5871	CALM1	14	Male	0.07	386	1.21 (0.66-2.24)	0.55	0.97	2.13 (0.68-6.69)	0.55 (0.15-1.99)	0.75 (0.19-2.92)	2.71 (0.77-9.62)	0.20	0.53
			Female	0.07	402	1.09 (0.55-2.16)	0.80	1.00	0.40 (0.05-3.35)	1.21 (0.42-3.48)	0.67 (0.08-5.88)	1.83 (0.56-6.01)	0.57	0.75
rs3814843	CALM1	14	Male	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs8006462	CALM1	14	Male	0.34	383	1.35 (0.83-2.22)	0.23	0.70	1.01 (0.33-3.12)	1.15 (0.46-2.86)	1.71 (0.70-4.19)	1.57 (0.54-4.51)	0.87	0.99
			Female	0.32	402	1.11 (0.67-1.84)	0.68	1.00	2.73 (0.82-9.30)	1.39 (0.59-3.26)	0.66 (0.18-2.47)	0.54 (0.20-1.49)	0.15	0.46
rs2896135	CALM1	14	Male	0.42	386	1.04 (0.75-1.46)	0.80	0.99	1.11 (0.53-2.30)	1.20 (0.64-2.24)	0.86 (0.46-1.61)	1.06 (0.51-2.23)	0.90	0.99
			Female	0.38	402	1.17 (0.82-1.68)	0.38	0.90	1.93 (0.88-4.20)	1.21 (0.68-2.16)	0.78 (0.30-2.01)	0.92 (0.44-1.93)	0.43	0.81
rs876259	CALM1	14	Male	0.07	386	0.84 (0.44-1.61)	0.59	0.97	1.91 (0.57-6.36)	0.76 (0.25-2.31)	0.28 (0.04-2.20)	0.85 (0.19-3.74)	0.37	0.75
			Female	0.06	403	0.87 (0.42-1.83)	0.72	1.00	0.39 (0.05-3.25)	0.73 (0.21-2.57)	1.08 (0.12-10.05)	1.42 (0.44-4.60)	0.71	0.72
rs12895068	CALM1	14	Male	0.07	386	0.80 (0.42-1.53)	0.49	0.95	1.60 (0.53-4.86)	0.70 (0.23-2.14)	0.28 (0.04-2.20)	0.85 (0.19-3.74)	0.43	0.82
			Female	0.06	402	0.89 (0.43-1.88)	0.77	1.00	0.39 (0.05-3.26)	0.78 (0.22-2.73)	1.09 (0.12-10.07)	1.42 (0.44-4.60)	0.72	0.72
rs1514246	CHRNA7	15	Male	0.26	383	1.13 (0.78-1.65)	0.51	1.00	1.13 (0.52-2.43)	1.23 (0.62-2.47)	1.12 (0.56-2.26)	1.01 (0.42-2.43)	0.99	1.00
			Female	0.26	400	0.75 (0.49-1.15)	0.18	0.76	1.65 (0.79-3.44)	0.51 (0.23-1.13)	0.67 (0.20-2.22)	0.45 (0.17-1.16)	0.09	0.44
rs868437	CHRNA7	15	Male	0.28	386	1.07 (0.74-1.55)	0.73	1.00	0.92 (0.42-2.02)	1.17 (0.59-2.33)	1.13 (0.56-2.27)	1.01 (0.42-2.43)	0.97	1.00
			Female	0.27	402	0.65 (0.43-1.00)	0.04	0.40	1.34 (0.64-2.80)	0.43 (0.20-0.91)	0.67 (0.20-2.22)	0.48 (0.18-1.22)	0.17	0.65
rs883473	CHRNA7	15	Male	0.29	384	1.03 (0.71-1.50)	0.87	1.00	0.86 (0.39-1.91)	1.26 (0.64-2.49)	1.09 (0.54-2.20)	0.86 (0.37-2.04)	0.87	1.00
			Female	0.29	402	0.65 (0.43-0.99)	0							

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction		
						Likelihood ratio test		Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P								
rs11852956	CHRNA7	15	Male	0.22	385	1.09 (0.72-1.66)	0.68	1.00	0.98 (0.41-2.30)	0.88 (0.39-1.98)	1.62 (0.77-3.40)	0.89 (0.33-2.44)	0.67	1.00	
			Female	0.23	401	0.97 (0.63-1.50)	0.89	0.89	1.19 (0.51-2.75)	0.93 (0.44-1.99)	0.79 (0.22-2.86)	0.91 (0.40-2.07)	0.95	1.00	
rs1039394	CHRNA7	15	Male	0.06	384	1.66 (0.84-3.31)	0.16	0.89	1.65 (0.38-7.14)	1.31 (0.30-5.73)	1.56 (0.43-5.64)	2.19 (0.59-8.17)	0.96	1.00	
			Female	0.05	399	1.09 (0.47-2.48)	0.85	0.98	0.49 (0.06-4.15)	1.88 (0.51-7.00)	1.70 (0.31-9.36)	0.50 (0.06-4.32)	0.55	0.99	
rs16956223	CHRNA7	15	Male	0.17	386	0.68 (0.42-1.11)	0.11	0.81	0.92 (0.31-2.68)	0.88 (0.39-2.00)	0.69 (0.28-1.72)	0.28 (0.08-1.06)	0.45	0.98	
			Female	0.16	403	0.51 (0.29-0.91)	0.02	0.22	0.54 (0.18-1.67)	0.45 (0.16-1.23)	0.31 (0.04-2.50)	0.66 (0.25-1.80)	0.90	1.00	
rs1392808	CHRNA7	15	Male	0.17	382	0.70 (0.43-1.14)	0.14	0.87	0.92 (0.31-2.69)	0.88 (0.39-2.00)	0.69 (0.28-1.72)	0.32 (0.09-1.20)	0.56	0.99	
			Female	0.15	400	0.53 (0.30-0.94)	0.02	0.27	0.56 (0.18-1.71)	0.45 (0.16-1.23)	0.31 (0.04-2.50)	0.71 (0.26-1.90)	0.87	1.00	
rs904952	CHRNA7	15	Male	0.49	381	1.03 (0.58-1.82)	0.93	1.00	0.45 (0.15-1.39)	1.20 (0.38-3.73)	0.74 (0.25-2.20)	3.80 (0.80-18.05)	0.12	0.64	
			Female	0.48	400	1.56 (0.86-2.83)	0.13	0.74	0.59 (0.20-1.79)	2.09 (0.77-5.69)	3.58 (0.43-30.10)	1.92 (0.57-6.41)	0.27	0.85	
rs7402321	CHRNA7	15	Male	0.37	372	1.66 (0.97-2.81)	0.06	0.62	2.07 (0.60-7.23)	2.05 (0.78-5.37)	2.08 (0.74-5.86)	0.78 (0.27-2.28)	0.51	0.99	
			Female	0.38	391	0.75 (0.44-1.25)	0.27	0.89	0.72 (0.25-2.11)	0.86 (0.35-2.13)	0.65 (0.18-2.35)	0.69 (0.25-1.90)	0.98	0.98	
rs7175359	CHRNA7	15	Male	0.49	384	0.97 (0.55-1.71)	0.92	1.00	0.45 (0.15-1.39)	1.20 (0.38-3.73)	0.80 (0.27-2.34)	2.33 (0.61-8.91)	0.28	0.93	
			Female	0.47	403	1.55 (0.85-2.80)	0.14	0.76	0.59 (0.20-1.79)	2.06 (0.76-5.59)	3.78 (0.45-31.62)	1.84 (0.55-6.15)	0.27	0.84	
rs2651418	CHRNA7	15	Male	0.49	380	1.15 (0.63-2.10)	0.65	1.00	0.55 (0.17-1.73)	2.02 (0.53-7.76)	0.68 (0.23-2.04)	3.31 (0.69-15.76)	0.15	0.74	
			Female	0.49	400	1.56 (0.85-2.87)	0.14	0.75	0.72 (0.23-2.30)	1.72 (0.66-4.49)	3.38 (0.40-28.46)	2.11 (0.55-8.05)	0.49	0.98	
rs2611605	CHRNA7	15	Male	0.18	384	0.99 (0.62-1.57)	0.97	1.00	0.53 (0.15-1.93)	1.58 (0.71-3.51)	1.12 (0.48-2.59)	0.63 (0.22-1.84)	0.37	0.98	
			Female	0.20	402	0.85 (0.54-1.35)	0.49	0.96	0.89 (0.39-2.06)	1.09 (0.50-2.39)	1.36 (0.44-4.24)	0.36 (0.11-1.22)	0.33	0.90	
rs7178176	CHRNA7	15	Male	0.25	385	0.85 (0.52-1.39)	0.51	1.00	1.19 (0.39-3.60)	1.25 (0.51-3.10)	0.72 (0.30-1.77)	0.46 (0.16-1.38)	0.49	0.99	
			Female	0.25	403	1.09 (0.66-1.80)	0.75	0.98	1.22 (0.43-3.43)	0.91 (0.39-2.10)	1.46 (0.40-5.27)	1.06 (0.39-2.87)	0.93	1.00	
rs2337980	CHRNA7	15	Male	0.45	384	1.39 (0.80-2.43)	0.24	0.96	6.66 (0.83-53.67)	1.15 (0.43-3.06)	1.29 (0.45-3.68)	0.87 (0.29-2.61)	0.26	0.91	
			Female	0.43	402	1.23 (0.71-2.13)	0.47	0.98	0.75 (0.26-2.11)	1.01 (0.40-2.59)	NA	1.14 (0.39-4.30)	0.05	0.26	
rs7164518	CHRNA7	15	Male	0.18	381	0.67 (0.42-1.09)	0.10	0.77	0.85 (0.26-2.79)	1.33 (0.61-2.91)	0.49 (0.18-1.35)	0.25 (0.07-0.88)	0.10	0.59	
			Female	0.17	398	0.88 (0.54-1.44)	0.62	0.98	0.82 (0.29-2.29)	0.70 (0.29-1.66)	0.69 (0.14-3.27)	1.28 (0.56-2.91)	0.76	1.00	
rs4275821	CHRNA5	15	Male	0.35	386	0.82 (0.50-1.34)	0.43	0.97	1.51 (0.50-4.63)	0.90 (0.36-2.29)	0.50 (0.20-1.22)	0.81 (0.29-2.29)	0.49	0.64	
			Female	0.38	403	0.72 (0.43-1.19)	0.20	0.65	2.20 (0.67-7.28)	0.35 (0.15-0.83)	0.45 (0.12-1.65)	0.98 (0.36-2.67)	0.06	0.24	
rs2036527	CHRNA5	15	Male	0.41	386	1.05 (0.74-1.49)	0.80	1.00	0.49 (0.20-1.18)	1.29 (0.71-2.36)	0.71 (0.35-1.46)	2.18 (1.00-4.71)	0.04	0.15	
			Female	0.40	402	1.34 (0.94-1.91)	0.10	0.57	0.82 (0.39-1.73)	1.93 (1.02-3.64)	1.93 (0.85-4.38)	1.00 (0.49-2.03)	0.21	0.62	
rs684513	CHRNA5	15	Male	0.17	384	0.94 (0.55-1.60)	0.82	1.00	1.56 (0.51-4.74)	0.57 (0.19-1.74)	4.00 (1.53-10.42)	0.11 (0.02-0.50)	7.74 × 10 <sup>-5</sup>	6.98 × 10 <sup>-4</sup>	
			Female	0.15	402	1.58 (0.92-2.72)	0.10	0.57	1.56 (0.51-4.72)	1.84 (0.71-4.73)	1.19 (0.31-4.50)	1.59 (0.55-5.59)	0.96	0.96	
rs871058	CHRNA5	15	Male	0.33	386	0.84 (0.51-1.36)	0.47	0.98	1.31 (0.44-3.95)	0.90 (0.36-2.29)	0.56 (0.23-1.37)	0.86 (0.30-2.42)	0.69	0.79	
			Female	0.37	403	0.66 (0.40-1.08)	0.10	0.57	2.59 (0.78-8.55)	0.30 (0.13-0.73)	0.48 (0.13-1.77)	0.69 (0.26-1.87)	0.03	0.12	
rs667282	CHRNA5	15	Male	0.20	386	1.03 (0.66-1.61)	0.89	0.95	1.85 (0.69-4.92)	0.67 (0.24-1.86)	2.32 (1.11-4.86)	1.17 (0.04-6.61)	7.10 × 10 <sup>-3</sup>	5.30 × 10 <sup>-3</sup>	
			Female	0.16	403	1.11 (0.70-1.75)	0.67	0.98	1.54 (0.60-3.98)	1.33 (0.58-3.06)	1.17 (0.31-4.43)	0.73 (0.32-1.71)	0.65	0.98	
rs601079	CHRNA5	15	Male	0.39	386	0.83 (0.50-1.37)	0.47	0.98	1.00 (0.33-3.00)	1.19 (0.45-3.13)	0.41 (0.16-1.03)	1.12 (0.39-3.23)	0.36	0.51	
			Female	0.44	403	0.59 (0.35-1.00)	0.05	0.36	1.55 (0.46-5.19)	0.21 (0.09-0.53)	0.47 (0.13-1.74)	1.15 (0.41-3.25)	0.02	0.11	
rs637137	CHRNA5	15	Male	0.20	386	1.04 (0.67-1.63)	0.86	0.99	1.85 (0.70-4.93)	0.67 (0.24-1.86)	2.38 (1.14-4.97)	1.17 (0.04-6.61)	6.30 × 10 <sup>-4</sup>	4.81 × 10 <sup>-3</sup>	
			Female	0.16	403	1.11 (0.70-1.75)	0.67	0.98	1.54 (0.60-3.98)	1.33 (0.58-3.06)	1.17 (0.31-4.43)	0.73 (0.32-1.71)	0.65	0.98	
rs692780	CHRNA5	15	Male	0.35	386	0.77 (0.47-1.26)	0.30	0.89	1.09 (0.37-3.22)	1.13 (0.44-2.91)	0.44 (0.18-1.09)	0.73 (0.26-2.06)	0.48	0.63	
			Female	0.38	403	0.82 (0.49-1.36)	0.44	0.92	2.17 (0.66-7.18)	0.33 (0.14-0.78)	0.70 (0.19-2.54)	1.38 (0.50-3.80)	0.04	0.17	
rs555018	CHRNA3;CHRNA5	15	Male	0.39	386	0.76 (0.46-1.24)	0.27	0.86	0.82 (0.28-2.44)	1.01 (0.39-2.61)	0.39 (0.16-0.99)	1.12 (0.39-3.23)	0.42	0.57	
			Female	0.44	403	0.59 (0.35-1.00)	0.05	0.36	1.55 (0.46-5.19)	0.21 (0.09-0.53)	0.47 (0.13-1.74)	1.15 (0.41-3.25)	0.02	0.11	
rs647041	CHRNA3;CHRNA5	15	Male	0.39	385	0.71 (0.43-1.16)	0.17	0.71	0.60 (0.20-1.79)	1.09 (0.42-2.82)	0.39 (0.15-0.98)	1.03 (0.35-3.02)	0.39	0.54	
			Female	0.44	403	0.58 (0.35-0.98)	0.04	0.32	1.55 (0.46-5.19)	0.21 (0.09-0.53)	0.47 (0.13-1.74)	1.09 (0.39-3.07)	0.03	0.12	
rs514743	CHRNA3;CHRNA5	15	Male	0.35	386	0.77 (0.47-1.25)	0.28	0.88	1.01 (0.34-2.99)	1.22 (0.48-3.15)	0.42 (0.17-1.04)	0.73 (0.26-2.07)	0.40	0.55	
			Female	0.39	403	0.90 (0.54-1.50)	0.69	0.98	2.17 (0.66-7.17)	0.33 (0.14-0.78)	0.69 (0.19-2.53)	2.05 (0.71-5.95)	0.02	0.09	
rs578776	CHRNA3;CHRNA5	15	Male	0.24	386	1.28 (0.84-1.94)	0.25	0.84	1.94 (0.77-4.90)	0.78 (0.31-1.95)	2.57 (1.27-5.19)	0.40 (0.14-1.13)	0.01	0.05	
			Female	0.21	403	0.73 (0.46-1.17)	0.18	0.69	0.78 (0.31-2.00)	0.94 (0.41-2.17)	0.72 (0.21-2.39)	0.55 (0.23-1.33)	0.85	0.94	
rs6495307	CHRNA3;CHRNA5	15	Male	0.39	386	0.73 (0.44-1.20)	0.22	0.80	0.68 (0.23-2.04)	1.04 (0.40-2.69)	0.39 (0.15-0.97)	1.12 (0.39-3.24)	0.39	0.54	
			Female	0.44	403	0.58 (0.35-0.98)	0.04	0.32	1.55 (0.46-5.19)	0.21 (0.09-0.53)	0.47 (0.13-1.74)	1.09 (0.39-3.07)	0.03	0.12	
rs1051730	CHRNA3;CHRNA5	15	Male	0.40	381	1.04 (0.74-1.48)	0.81	1.00	0.49 (0.21-1.14)	1.04 (0.56-1.94)	0.98 (0.49-1.96)	2.24 (1.04-4.85)	0.06	0.21	
			Female	0.39	400	1.31 (0.92-1.86)	0.13	0.62	0.87 (0.42-1.84)	1.68 (0.90-3.15)	1.92 (0.87-4.24)	1.01 (0.50-2.07)	0.37	0.83	
rs3743078	CHRNA3;CHRNA5	15	Male	0.21	386	1.06 (0.69-1.64)	0.79	1.00	1.97 (0.81-4.81)	0.71 (0.27-1.87)	2.24 (1.07-4.67)	1.17 (0.04-6.61)	6.79 × 10 <sup>-4</sup>	5.13 × 10 <sup>-3</sup>	
			Female	0.16	403	1.04 (0.65-1.67)	0.86	1.00	1.13 (0.42-3.03)	1.33 (0.58-3.06)	1.17 (0.31-4.43)	0.75 (0.32-1.78)	0.81	0.96	
rs3743077	CHRNA3;CHRNA5	15	Male	0.36	361	0.67 (0.40-1.13)	0.13	0.61	0.66 (0.20-2.10)	1.01 (0.38-2.68)	0.38 (0.15-0.97)	0.88 (0.29-2.70)	0.51	0.67	
			Female	0.42	384	0.56 (0.33-0.94)	0.03	0.24	1.49 (0.44-5.05)	0.21 (0.08-0.53)	0.34 (0.09-1.28)	1.13 (0.40-3.22)	0.02	0.11	
rs1317286	CHRNA3;CHRNA5	15	Male	0.41	384	1.10 (0.78-1.56)	0.59	0.99	0.62 (0.28-1.39)	1.10 (0.60-2.04)	0.93 (0.46-1.89)	2.27 (1.04-4.97)	0.13	0.32	
			Female	0.40	401	1.36 (0.96-1.94)	0.09	0.52	0.79 (0.37-1.70)	1.96 (1.04-3.68)	1.89 (0.85-4.20)	1.04 (0.50-2.14)	0.21	0.63	
rs938682	CHRNA3	15	Male	0.20	386	1.03 (0.66-1.61)	0.90	0.90	2.10 (0.79-5.57)	0.62 (0.23-1.72)	2.24 (1.07-4.67)	1.17 (0.04-6.61)	5.43 × 10 <sup>-4</sup>	4.20 × 10 <sup>-3</sup>	
			Female	0.16	403	1.06 (0.66-1.69)	0.81	0.99	1.26 (0.47-3.36)	1.33 (0.58-3.06)	1.08 (0.31-3.79)	0.75 (0.32-1.78)	0.79	0.95	
rs4887069	CHRNA3;CHRNA5	15	Male	0.20	383	1.07 (0.69-1.66)	0.78	1.00	1.83 (0.72-4.61)	0.62 (0.22-1.72)	2.63 (1.24-5.55)	1.			

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction					
						Likelihood ratio test			SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	Observed P	Adjusted P	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P	Adjusted P										
rs12051375	CREBBP	16	Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Male	$5.08 \times 10^{-3}$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs130002	CREBBP	16	Female	$8.66 \times 10^{-3}$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	$5.08 \times 10^{-3}$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs8052927	CREBBP	16	Female	$8.66 \times 10^{-3}$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs130021	CREBBP	16	Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.35	386	0.71 (0.44-1.16)	0.18	0.72	0.61 (0.20-1.84)	1.12 (0.45-2.79)	0.59 (0.24-1.46)	0.58 (0.20-1.63)	0.71	0.84				
rs130025	CREBBP	16	Female	0.37	403	0.78 (0.47-1.29)	0.33	0.91	0.63 (0.23-1.76)	1.26 (0.53-3.04)	0.50 (0.14-1.80)	0.65 (0.24-1.78)	0.58	0.90				
			Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs8046065	CREBBP	16	Female	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.12	386	1.55 (0.90-2.67)	0.12	0.61	1.03 (0.25-4.15)	0.91 (0.31-2.66)	2.72 (1.07-6.90)	1.72 (0.52-5.65)	0.43	0.83				
rs3789033	CREBBP	16	Female	0.12	403	1.29 (0.73-2.29)	0.38	0.92	0.51 (0.14-1.93)	0.90 (0.32-2.53)	3.75 (0.98-14.29)	2.25 (0.75-6.72)	0.11	0.41				
			Male	0.22	386	0.91 (0.55-1.50)	0.71	0.99	1.07 (0.35-3.20)	1.23 (0.49-3.08)	0.51 (0.19-1.36)	1.08 (0.38-3.08)	0.57	0.76				
rs8047652	CREBBP	16	Female	0.24	403	0.68 (0.40-1.14)	0.14	0.62	0.71 (0.25-2.00)	0.71 (0.30-1.70)	0.26 (0.05-1.28)	0.99 (0.36-2.70)	0.54	0.88				
			Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs13334803	CREBBP	16	Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs130046	CREBBP	16	Female	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs11644593	CREBBP	16	Female	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.10	386	0.42 (0.20-0.87)	0.01	0.10	0.58 (0.12-2.83)	0.62 (0.19-2.09)	0.26 (0.06-1.20)	0.26 (0.03-2.03)	0.76	0.76				
rs1296720	CREBBP	16	Female	0.11	403	1.19 (0.68-2.06)	0.55	0.96	0.71 (0.16-3.18)	1.56 (0.67-3.61)	1.09 (0.28-4.20)	1.09 (0.34-3.53)	0.82	0.82				
			Male	0.20	386	1.00 (0.61-1.65)	0.99	0.99	2.10 (0.69-6.38)	0.66 (0.24-1.80)	0.89 (0.36-2.19)	0.99 (0.34-2.85)	0.49	0.86				
rs4567717	CREBBP	16	Female	0.18	402	1.71 (1.02-2.87)	0.04	0.29	2.92 (1.03-8.28)	3.14 (1.32-7.49)	0.39 (0.08-1.96)	0.88 (0.28-2.73)	0.04	0.18				
			Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs2540038	CREBBP	16	Female	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs2239316	CREBBP	16	Female	$9.93 \times 10^{-3}$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.26	386	0.88 (0.54-1.44)	0.61	0.98	1.35 (0.45-4.06)	0.77 (0.31-1.92)	0.61 (0.24-1.54)	1.15 (0.41-3.24)	0.68	0.84				
rs7202140	CREBBP	16	Female	0.27	403	0.58 (0.34-0.98)	0.04	0.28	0.92 (0.33-2.55)	0.55 (0.23-1.32)	0.20 (0.04-1.02)	0.68 (0.24-1.91)	0.43	0.84				
			Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs2526687	CREBBP	16	Female	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
rs12453682	PPP1R1B	17	Female	$9.90 \times 10^{-3}$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.31	386	0.96 (0.59-1.57)	0.88	0.88	0.62 (0.21-1.87)	0.64 (0.26-1.58)	1.04 (0.43-2.54)	2.32 (0.75-7.20)	0.27	0.40				
rs1877032	PPP1R1B	17	Female	0.33	403	0.81 (0.48-1.34)	0.40	0.79	1.34 (0.48-3.74)	0.53 (0.22-1.25)	0.83 (0.23-3.02)	0.84 (0.31-2.28)	0.59	0.84				
			Male	0.10	345	0.42 (0.19-0.94)	0.02	0.11	0.29 (0.03-2.51)	0.31 (0.06-1.50)	0.55 (0.14-2.12)	0.56 (0.11-2.77)	0.91	0.91				
rs1874228	PPP1R1B	17	Female	0.08	366	0.41 (0.17-1.01)	0.03	0.14	0.82 (0.16-4.13)	0.14 (0.02-1.13)	0.69 (0.08-6.15)	0.48 (0.10-2.37)	0.53	0.83				
			Male	0.25	381	0.94 (0.57-1.54)	0.80	0.93	0.55 (0.17-1.79)	0.66 (0.26-1.64)	0.98 (0.39-2.46)	2.22 (0.75-6.59)	0.27	0.41				
rs879606	PPP1R1B	17	Female	0.29	399	0.88 (0.53-1.46)	0.62	0.78	1.37 (0.49-3.81)	0.65 (0.28-1.52)	0.92 (0.25-3.35)	0.85 (0.31-2.30)	0.75	0.79				
			Male	0.16	386	1.60 (1.04-2.46)	0.03	0.13	0.78 (0.25-2.45)	1.24 (0.58-2.64)	2.09 (0.92-4.76)	2.97 (1.15-7.68)	0.24	0.48				
rs1495099	PPP1R1B	17	Female	0.20	402	1.31 (0.85-2.01)	0.22	0.56	1.65 (0.75-3.63)	1.32 (0.65-2.69)	1.67 (0.55-5.10)	0.82 (0.32-2.09)	0.67	0.88				
			Male	0.29	381	0.86 (0.53-1.41)	0.55	0.87	0.61 (0.20-1.84)	0.68 (0.28-1.68)	0.90 (0.36-2.25)	1.56 (0.52-4.68)	0.61	0.80				
rs907094	PPP1R1B	17	Female	0.31	397	0.93 (0.56-1.56)	0.79	0.79	1.50 (0.54-4.19)	0.53 (0.22-1.28)	1.05 (0.29-3.79)	1.15 (0.42-3.16)	0.46	0.76				
			Male	0.23	386	1.15 (0.70-1.89)	0.57	0.87	0.45 (0.14-1.45)	0.86 (0.34-2.16)	1.30 (0.52-3.27)	3.33 (1.12-9.90)	0.07	0.20				
rs1874224	PPP1R1B	17	Female	0.26	403	1.18 (0.71-1.96)	0.52	0.88	1.56 (0.56-4.34)	0.83 (0.36-1.95)	1.40 (0.39-5.06)	1.33 (0.49-3.62)	0.79	0.79				
			Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs9892427	PPP1R1B	17	Female	$8.66 \times 10^{-3}$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Male	0.07	386	0.45 (0.19-1.04)	0.04	0.14	NA	0.28 (0.06-1.34)	0.55 (0.11-2.73)	1.51 (0.36-6.24)	0.13	0.32				
rs9972882	PPP1R1B	17	Female	0.06	403	0.79 (0.35-1.78)	0.56	0.87	0.95 (0.24-3.72)	0.45 (0.10-2.15)	NA	2.10 (0.47-9.37)	0.28	0.58				
			Male	0.25	386	1.11 (0.68-1.80)	0.68	0.90	0.91 (0.29-2.78)	0.82 (0.33-2.03)	1.35 (0.55-3.31)	1.52 (0.53-4.37)	0.78	0.91				
rs12953076	CRHRI	17	Female	0.29	403	0.91 (0.55-1.51)	0.72	0.81	1.62 (0.58-4.51)	0.64 (0.27-1.51)	0.97 (0.27-3.52)	0.80 (0.30-2.18)	0.59	0.84				
			Male	0.19	385	1.09 (0.65-1.82)	0.75	0.97	1.26 (0.41-3.91)	0.83 (0.31-2.21)	0.85 (0.32-2.21)	1.90 (0.64-5.63)	0.65	0.86				
rs4074461	CRHRI	17	Female	0.16	403	2.03 (1.20-3.42)	$8.83 \times 10^{-3}$	0.08	1.38 (0.46-4.12)	1.40 (0.58-3.37)	5.13 (1.35-19.46)	2.80 (0.99-7.89)	0.33	0.54				
			Male	0.43	386	0.79 (0.56-1.12)	0.18	0.68	0.75 (0.34-1.68)	0.57 (0.29-1.10)	1.11 (0.61-2.05)	0.78 (0.37-1.64)	0.53	0.90				
rs12944712	CRHRI	17	Female	0.49	400	0.96 (0.67-1.38)	0.83	0.97	1.57 (0.73-3.36)	1.03 (0.57-1.86)	0.49 (0.18-1.33)	0.81 (0.39-1.69)	0.29	0.55				
			Male	0.45	386	1.20 (0.70-2.05)	0.51	0.91	1.94 (0.50-7.53)	2.40 (0.80-7.21)	0.83 (0.33-2.09)	0.60 (0.19-1.84)	0.24	0.71				
rs4792887	CRHRI	17	Female	0.41	403	0.86 (0.51-1.45)	0.58	0.93	0.39 (0.14-1.10)	1.24 (0.53-2.90)	0.84 (0.20-3.58)	1.14 (0.39-3.37)	0.36	0.52				
			Male	0.12	386	1.06 (0.59-1.92)	0.83	0.83	0.83 (0.21-3.31)	0.95 (0.30-2.99)	0.71 (0.24-2.15)	2.47 (0.78-7.82)	0.45	0.87				
rs16940646	CRHRI	17	Female	0.11	403	1.95 (1.09-3.50)	0.03	0.19	1.06 (0.27-4.17)	1.35 (0.55-3.31)	10.04 (2.31-43.68)	2.36 (0.70-8.01)	0.10	0.30				
			Male	0.12	385	1.19 (0.66-2.12)	0.57	0.87	1.46 (0.40-5.26)	0.95 (0.30-3.00)	0.71 (0.24-2.15)	2.47 (0.78-7.83)	0.46	0.87				
rs242924	CRHRI	17	Female	0.11	403	2.00 (1.11-3.58)	0.02	0.16	1.06 (0.27-4.16)	1.42 (0.58-3.48)	10.04 (2.31-43.66)	2.36 (0.70-8.01)	0.11	0.32				
			Male	0.42	385	0.56 (0.34-0.92)	0.02	0.18	0.42 (0.14-1.26)	0.35 (0.14-0.88)	0.71 (0.27-1.84)	1.03 (0.35-3.10)	0.43	0.86				
rs242942	CRHRI	17	Female	0.47	403	0.77 (0.44-1.33)	0.35	0.89	0.76 (0.25-2.25)	2.53 (0.80-7.99)	0.21 (0.06-0.81)	0.48 (0.16-1.42)	0.03	0.11				
			Male	0.13	386	1.65 (1.02-2.66)	0.04	0.28	1.90 (0.62-5.85)	1.39 (0.52-3.75)	1.59 (0.74-3.41)	1.91 (0.68-5.35)	0.97	0.97				
rs81189	CRHRI	17	Female	0.12	403	1.05 (0.60-1.83)	0.86	0.86	0.69 (0.19-2.48)	0.53 (0.21-1.32)	5.78 (1.30-25.77)	2.08 (0.72-5.99)	0.03	0.12				
			Male	0.46	385	0.69 (0.41-1.16)	0.16	0.67	0.55 (0.18-1.68)	0.51 (0.20-1.30)	0.62 (0.23-1.69)	1.55 (0.46-5.24)	0.48	0.88				
rs242939	CRHRI	17	Female	0.50	403	0.87 (0.48-1.56)	0.65	0.98	0.64 (0.21-1.91)									

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction		
						Likelihood ratio test		Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P								
rs9912608	GRB2	17	Female	0.27	386	0.77 (0.47-1.26)	0.30	0.62	1.38 (0.45-4.21)	0.29 (0.10-0.85)	1.27 (0.52-3.09)	0.67 (0.23-1.94)	0.12	0.34	
rs4789172	GRB2	17	Male	0.25	402	1.05 (0.63-1.73)	0.86	1.00	0.62 (0.21-1.82)	1.06 (0.46-2.46)	1.10 (0.30-4.01)	1.60 (0.59-4.34)	0.66	0.97	
rs1369299	GRB2	17	Female	0.48	386	1.23 (0.88-1.70)	0.22	0.64	1.31 (0.60-2.86)	1.71 (0.95-3.08)	0.90 (0.49-1.64)	1.08 (0.51-2.26)	0.49	0.81	
rs4789176	GRB2	17	Male	0.49	402	0.81 (0.56-1.16)	0.25	0.79	1.58 (0.73-3.43)	0.71 (0.38-1.33)	0.68 (0.27-1.69)	0.57 (0.27-1.20)	0.25	0.60	
rs4350602	GRB2	17	Female	0.18	385	0.70 (0.40-1.20)	0.19	0.64	0.89 (0.30-2.65)	0.54 (0.18-1.65)	0.85 (0.31-2.29)	0.54 (0.16-1.82)	0.87	0.99	
rs9902966	GRB2	17	Male	0.18	403	0.96 (0.57-1.63)	0.88	0.96	0.58 (0.17-1.94)	1.05 (0.44-2.51)	0.71 (0.17-2.94)	1.51 (0.54-4.22)	0.64	0.96	
rs4789178	GRB2	17	Female	0.18	386	0.69 (0.40-1.19)	0.18	0.62	0.89 (0.30-2.65)	0.54 (0.18-1.65)	0.85 (0.31-2.29)	0.52 (0.15-1.76)	0.86	0.99	
rs4789182	GRB2	17	Male	0.18	403	0.96 (0.57-1.63)	0.88	0.96	0.58 (0.17-1.94)	1.05 (0.44-2.51)	0.71 (0.17-2.94)	1.51 (0.54-4.22)	0.64	0.96	
rs2053156	GRB2	17	Female	0.30	386	0.74 (0.45-1.20)	0.22	0.54	1.45 (0.45-4.64)	0.31 (0.12-0.84)	1.27 (0.52-3.09)	0.56 (0.19-1.62)	0.11	0.31	
rs9909076	GRB2	17	Male	0.29	403	1.26 (0.76-2.08)	0.36	0.86	0.94 (0.34-2.60)	1.33 (0.57-3.10)	0.89 (0.24-3.21)	1.94 (0.71-5.36)	0.72	0.98	
rs4789189	GRB2	17	Female	0.20	385	0.71 (0.42-1.21)	0.20	0.65	0.82 (0.27-2.46)	0.66 (0.23-1.88)	0.79 (0.29-2.13)	0.59 (0.19-1.84)	0.97	0.99	
rs4789182	GRB2	17	Male	0.19	402	0.96 (0.57-1.62)	0.87	0.99	0.55 (0.17-1.83)	1.20 (0.51-2.82)	0.68 (0.16-2.81)	1.32 (0.48-3.66)	0.62	0.95	
rs2053156	GRB2	17	Female	0.20	386	0.70 (0.41-1.20)	0.19	0.63	0.80 (0.27-2.38)	0.64 (0.23-1.83)	0.79 (0.29-2.13)	0.59 (0.19-1.84)	0.97	0.98	
rs9909076	GRB2	17	Male	0.19	403	0.95 (0.56-1.60)	0.85	1.00	0.55 (0.17-1.83)	1.17 (0.50-2.74)	0.68 (0.16-2.81)	1.33 (0.48-3.67)	0.64	0.96	
rs4788891	GRB2	17	Female	0.32	386	0.75 (0.46-1.22)	0.25	0.58	1.38 (0.43-4.41)	0.36 (0.14-0.95)	1.19 (0.49-2.91)	0.60 (0.21-1.70)	0.20	0.51	
rs9909076	GRB2	17	Male	0.30	402	1.27 (0.77-2.10)	0.35	0.85	0.91 (0.33-2.54)	1.54 (0.65-3.63)	0.85 (0.23-3.08)	1.73 (0.63-4.75)	0.72	0.98	
rs4788891	GRB2	17	Female	0.20	386	0.71 (0.42-1.20)	0.20	0.63	0.80 (0.27-2.38)	0.66 (0.23-1.87)	0.79 (0.29-2.13)	0.59 (0.19-1.84)	0.98	0.98	
rs9909076	GRB2	17	Male	0.19	403	0.95 (0.56-1.60)	0.85	1.00	0.55 (0.17-1.83)	1.17 (0.50-2.74)	0.68 (0.16-2.81)	1.33 (0.48-3.67)	0.64	0.96	
rs4789189	GRB2	17	Female	0.20	383	0.70 (0.41-1.19)	0.18	0.63	0.80 (0.27-2.38)	0.66 (0.23-1.87)	0.79 (0.29-2.13)	0.59 (0.19-1.84)	0.98	0.98	
rs9909076	GRB2	17	Male	0.19	403	0.95 (0.56-1.60)	0.85	1.00	0.55 (0.17-1.83)	1.17 (0.50-2.74)	0.68 (0.16-2.81)	1.33 (0.48-3.67)	0.64	0.96	
rs9908820	GRB2	17	Female	0.20	383	0.70 (0.41-1.19)	0.18	0.63	0.80 (0.27-2.38)	0.66 (0.23-1.87)	0.79 (0.29-2.13)	0.59 (0.19-1.84)	0.98	0.98	
rs8065441	GRB2	17	Male	0.33	386	0.79 (0.55-1.13)	0.19	0.64	1.18 (0.57-2.44)	0.40 (0.19-0.88)	1.12 (0.55-2.24)	0.71 (0.31-1.62)	0.15	0.40	
rs12608148	ADCYAP1	18	Female	0.30	403	1.17 (0.81-1.69)	0.41	0.89	0.88 (0.39-2.00)	1.08 (0.61-1.89)	1.34 (0.49-3.66)	1.64 (0.76-3.55)	0.72	0.97	
rs4797325	ADCYAP1	18	Male	0.13	386	0.63 (0.35-1.14)	0.12	0.49	0.66 (0.21-2.09)	0.53 (0.16-1.69)	0.91 (0.30-2.80)	0.48 (0.13-1.81)	0.88	0.99	
rs1599789	ADCYAP1	18	Female	0.14	402	1.10 (0.65-1.86)	0.74	0.99	1.04 (0.37-2.97)	0.91 (0.38-2.18)	0.96 (0.24-3.80)	1.79 (0.58-4.57)	0.82	0.92	
rs2040176	ADCYAP1	18	Male	0.27	386	0.87 (0.53-1.41)	0.57	0.99	0.63 (0.21-1.93)	1.06 (0.43-2.61)	1.05 (0.43-2.55)	0.68 (0.24-1.98)	0.83	0.97	
rs1916610	ADCYAP1	18	Female	0.31	402	0.92 (0.56-1.51)	0.73	0.98	0.54 (0.19-1.53)	1.24 (0.53-2.90)	0.60 (0.17-2.17)	1.28 (0.47-3.44)	0.50	0.98	
rs2040176	ADCYAP1	18	Male	0.42	396	0.74 (0.44-1.26)	0.28	0.93	0.54 (0.18-1.63)	0.73 (0.29-1.83)	1.76 (0.64-4.92)	0.92 (0.29-2.93)	0.43	0.92	
rs1916610	ADCYAP1	18	Female	0.27	386	0.87 (0.58-1.32)	0.52	0.99	0.41 (0.14-1.18)	0.95 (0.37-2.44)	0.73 (0.19-2.76)	1.00 (0.35-2.84)	0.61	0.99	
rs2040176	ADCYAP1	18	Male	0.24	403	0.72 (0.46-1.11)	0.13	0.72	0.88 (0.34-2.27)	0.72 (0.33-1.56)	1.30 (0.60-2.81)	0.69 (0.30-1.62)	0.68	0.98	
rs1916610	ADCYAP1	18	Female	0.11	386	0.50 (0.26-0.99)	0.04	0.36	0.64 (0.25-1.67)	0.70 (0.35-1.39)	0.86 (0.30-2.48)	0.74 (0.30-1.81)	0.98	0.98	
rs11081411	ADCYAP1	18	Male	0.12	403	0.78 (0.41-1.46)	0.42	0.99	0.28 (0.03-2.10)	0.67 (0.22-2.06)	0.79 (0.26-2.38)	0.17 (0.02-1.35)	0.46	0.93	
rs11665625	ADCYAP1	18	Female	0.46	386	1.11 (0.78-1.58)	0.55	0.99	0.79 (0.23-2.69)	0.55 (0.19-1.60)	1.21 (0.23-6.44)	1.02 (0.30-3.50)	0.83	0.99	
rs12608148	ADCYAP1	18	Male	0.17	381	1.09 (0.72-1.65)	0.70	0.99	1.45 (0.66-3.20)	1.11 (0.57-2.17)	0.69 (0.36-1.34)	1.68 (0.77-3.63)	0.31	0.85	
rs12608148	ADCYAP1	18	Female	0.13	401	0.65 (0.37-1.13)	0.11	0.71	1.68 (0.80-3.53)	1.24 (0.65-2.36)	1.53 (0.64-3.65)	1.05 (0.49-2.34)	0.83	1.00	
rs12608148	ADCYAP1	18	Male	0.47	385	1.60 (1.12-2.28)	9.05 × 10 <sup>-3</sup>	0.12	0.89 (0.36-2.21)	0.84 (0.40-1.74)	1.67 (0.72-3.86)	1.31 (0.50-3.29)	0.61	0.97	
rs12608148	ADCYAP1	18	Female	0.44	402	1.13 (0.79-1.62)	0.50	0.99	0.53 (0.12-2.29)	0.78 (0.37-1.64)	0.72 (0.16-3.21)	0.38 (0.08-1.75)	0.83	1.00	
rs12608148	ADCYAP1	18	Male	0.32	384	1.47 (1.02-2.12)	0.04	0.36	2.24 (0.99-5.04)	1.16 (0.57-2.38)	1.28 (0.70-2.36)	2.34 (1.06-5.14)	0.41	0.93	
rs12608148	ADCYAP1	18	Female	0.32	403	1.40 (0.96-2.05)	0.08	0.60	1.81 (0.85-3.85)	1.03 (0.58-1.82)	1.27 (0.49-3.28)	0.75 (0.35-1.63)	0.43	0.96	
rs12608148	ADCYAP1	18	Male	0.30	380	0.92 (0.65-1.31)	0.65	0.99	2.26 (1.05-4.88)	1.17 (0.57-2.39)	1.02 (0.53-1.97)	2.19 (0.94-5.09)	0.30	0.85	
rs12608148	ADCYAP1	18	Female	0.27	397	0.78 (0.54-1.14)	0.19	0.85	2.05 (0.99-4.23)	1.24 (0.65-2.36)	1.63 (0.62-4.32)	3.96 (0.43-2.15)	0.54	0.98	
rs12608148	ADCYAP1	18	Male	0.11	386	0.61 (0.32-1.15)	0.11	0.70	0.65 (0.26-1.59)	0.92 (0.48-1.75)	1.07 (0.55-2.06)	0.99 (0.49-1.99)	0.84	0.97	
rs12608148	ADCYAP1	18	Female	0.12	403	0.78 (0.41-1.45)	0.42	0.99	0.64 (0.28-1.46)	0.77 (0.42-1.40)	1.14 (0.48-2.74)	0.74 (0.33-1.68)	0.82	1.00	
rs12608148	ADCYAP1	18	Male	0.28	386	0.82 (0.51-1.33)	0.43	0.97	0.28 (0.03-2.10)	0.85 (0.29-2.50)	0.99 (0.35-2.84)	0.17 (0.02-1.35)	0.28	0.83	
rs12608148	ADCYAP1	18	Female	0.31	403	0.87 (0.53-1.43)	0.58	0.99	0.79 (0.23-2.69)	0.55 (0.19-1.60)	1.19 (0.26-6.31)	1.02 (0.30-3.51)	0.84	0.99	
rs12608148	ADCYAP1	18	Male	0.27	385	0.84 (0.52-1.37)	0.48	0.99	0.60 (0.20-1.82)	0.95 (0.39-2.35)	1.05 (0.43-2.55)	0.63 (0.22-1.83)	0.82	0.96	
rs12608148	ADCYAP1	18	Female	0.20	403	0.95 (0.58-1.56)	0.84	0.99	0.54 (0.19-1.52)	1.17 (0.50-2.74)	0.60 (0.17-2.17)	1.13 (0.42-3.05)	0.59	0.99	
rs12608148	ADCYAP1	18	Male	0.10	386	0.62 (0.31-1.21)	0.14	0.76	0.69 (0.22-2.10)	0.94 (0.38-2.31)	0.97 (0.40-2.35)	0.71 (0.25-2.07)	0.95	0.95	
rs12608148	ADCYAP1	18	Female	0.09	403	0.96 (0.52-1.79)	0.91	0.99	0.54 (0.19-1.52)	1.28 (0.53-2.99)	0.73 (0.20-2.64)	1.25 (0.46-3.38)	0.55	0.98	
rs12608148	ADCYAP1	18	Male	0.37	385	0.86 (0.60-1.23)	0.41	0.97	NA	0.68 (0.12-3.27)	0.72 (0.23-2.30)	1.02 (0.29-3.55)	0.17	0.70	
rs12608148	ADCYAP1	18	Female	0.37	403	1.07 (0.73-1.55)	0.79	1.00	0.86 (0.22-3.31)	1.42 (0.49-4.13)	2.12 (0.61-7.34)	0.22 (0.03-1.67)	0.16	0.69	
rs12608148	ADCYAP1	18	Male	0.31	386	0.66 (0.40-1.07)	0.09	0.63	0.53 (0.21-1.34)	1.16 (0.63-2.16)	0.71 (0.26-1.42)	0.98 (0.46-2.09)	0.49	0.94	
rs12608148	ADCYAP1	18	Female	0.31	402	0.85 (0.52-1.41)	0.53	0.99	1.07 (0.52-2.20)	0.89 (0.41-1.73)	2.90 (1.02-8.30)	0.74 (0.34-1.52)	0.18	0.69	
rs12608148	ADCYAP1	18	Male	0.41	386	0.91 (0.55-1.51)	0.71	0.98	0.50 (0.16-1.53)	0.94 (0.38-2.30)	0.48 (0.10-1.19)	0.79 (0.28-2.23)	0.70	0.97	
rs12608148	ADCYAP1	18	Female	0.42	402	0.80 (0.47-1.36)	0.42	0.99	0.76 (0.27-2.10)	0.79 (0.34-1.85)	3.10 (0.62-15.48)	0.55 (0.20-1.51)	0.28	0.83	
rs12608148	ADCYAP1	18	Male	0.30	386	0.84 (0.57-1.23)	0.37	0.98	0.25 (0.03-2.31)	0.71 (0.28-1.78)	0.75 (0.29-1.53)	3.09 (0.82-11.70)	0.17	0.70	
rs12608148	ADCYAP1	18	Female	0.32	402	0.99 (0.68-1.46)	0.97	0.97	0.97 (0.34-2.72)	0.59 (0.24-1.44)	3.96 (0.47-33.10)	0.54 (0.20-1.48)	0.23	0.79	
rs12608148	ADCYAP1	18	Male	0.39	386	0.93 (0.56-1.54)	0.78	0.96	0.58 (0.21-1.61)	0.91 (0.46-1.77)	0.75 (0.37-1.52)	1.13 (0.50-2.59)	0.76	0.98	
rs12608148	ADCYAP1	18	Female	0.40	402	1.05 (0.63-1.75)	0.86	0.91	0.92 (0.42-1.98)	1.01 (0.51-2.00)	2.16 (0.8				

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction		
						SNP OR (95% CI)		Observed P	Likelihood ratio test	Placebo	Bupropion	Patch	Spray	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P	Adjusted P	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	Observed P	Adjusted P	
rs6141600	<i>EPB41L1</i>	20	Male	0.30	370	0.71 (0.43-1.18)	0.18	0.55	0.76 (0.24-2.38)	0.34 (0.12-0.91)	0.82 (0.32-2.04)	1.41 (0.46-4.28)	0.27	0.39	
			Female	0.27	395	1.16 (0.70-1.93)	0.58	0.93	1.72 (0.61-4.88)	0.76 (0.32-1.81)	1.75 (0.45-6.79)	1.11 (0.40-3.11)	0.61	0.87	
rs6121156	<i>EPB41L1</i>	20	Male	$3.81 \times 10^3$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	$1.24 \times 10^3$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs6142512	<i>EPB41L1</i>	20	Male	0.16	386	0.73 (0.42-1.26)	0.25	0.65	1.40 (0.42-4.61)	0.41 (0.13-1.24)	0.78 (0.29-2.10)	0.76 (0.25-2.27)	0.53	0.63	
			Female	0.18	403	0.91 (0.53-1.55)	0.71	0.92	2.32 (0.82-6.51)	0.46 (0.18-1.19)	1.70 (0.47-6.21)	0.48 (0.13-1.82)	0.07	0.15	
rs1474976	<i>EPB41L1</i>	20	Male	0.09	386	0.84 (0.46-1.53)	0.56	0.56	0.86 (0.23-3.19)	2.19 (0.92-5.22)	NA	0.31 (0.04-2.57)	$2.92 \times 10^3$	$8.45 \times 10^3$	
			Female	0.12	403	1.35 (0.79-2.29)	0.28	0.72	0.70 (0.18-2.73)	2.01 (0.81-5.00)	1.47 (0.39-5.56)	1.22 (0.47-3.14)	0.62	0.87	
rs6121163	<i>EPB41L1</i>	20	Male	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs7266316	<i>EPB41L1</i>	20	Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	$1.24 \times 10^3$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs6060831	<i>EPB41L1</i>	20	Male	$1.27 \times 10^3$	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs6058429	<i>EPB41L1</i>	20	Male	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs6060845	<i>EPB41L1</i>	20	Male	0.24	386	0.84 (0.51-1.37)	0.48	0.78	1.22 (0.41-3.67)	0.36 (0.14-0.98)	0.85 (0.34-2.12)	1.60 (0.56-4.55)	0.18	0.28	
			Female	0.25	402	1.26 (0.77-2.09)	0.36	0.73	1.90 (0.67-5.39)	0.93 (0.40-2.17)	1.09 (0.30-3.92)	1.45 (0.53-3.97)	0.75	0.75	
rs2247688	<i>EPB41L1</i>	20	Male	0.24	386	0.84 (0.51-1.38)	0.49	0.74	1.30 (0.43-3.90)	0.40 (0.15-1.08)	1.13 (0.46-2.78)	0.94 (0.33-2.68)	0.35	0.45	
			Female	0.25	403	1.11 (0.67-1.83)	0.68	0.95	1.94 (0.68-5.50)	0.83 (0.36-1.93)	1.07 (0.30-3.85)	1.01 (0.37-2.79)	0.65	0.68	
rs6121179	<i>EPB41L1</i>	20	Male	0.18	385	0.76 (0.45-1.28)	0.29	0.64	1.12 (0.35-3.65)	0.59 (0.22-1.62)	0.92 (0.36-2.33)	0.55 (0.18-1.73)	0.78	0.78	
			Female	0.19	400	0.98 (0.58-1.66)	0.93	0.93	2.42 (0.85-6.88)	0.48 (0.19-1.26)	1.41 (0.39-5.13)	0.71 (0.21-2.40)	0.12	0.26	
rs6119707	<i>EPB41L1</i>	20	Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs11700361	<i>EPB41L1</i>	20	Male	0.16	386	0.67 (0.38-1.16)	0.14	0.47	1.60 (0.48-5.31)	0.53 (0.19-1.53)	0.64 (0.24-1.72)	0.44 (0.13-1.48)	0.46	0.57	
			Female	0.18	402	1.08 (0.63-1.83)	0.79	0.87	2.95 (1.03-8.44)	0.50 (0.19-1.30)	1.60 (0.44-5.82)	0.75 (0.22-2.55)	0.07	0.16	
rs709050	<i>EPB41L1</i>	20	Male	0.19	385	0.76 (0.45-1.27)	0.29	0.66	1.08 (0.33-3.52)	0.46 (0.17-1.25)	1.02 (0.41-2.54)	0.69 (0.23-2.07)	0.63	0.67	
			Female	0.19	403	0.86 (0.50-1.47)	0.57	0.94	1.92 (0.69-5.38)	0.45 (0.17-1.16)	1.01 (0.27-3.84)	0.77 (0.23-2.61)	0.22	0.42	
rs965808	<i>GNAS</i>	20	Male	0.24	386	1.21 (0.74-1.97)	0.45	1.00	0.63 (0.20-1.93)	1.26 (0.51-3.12)	1.28 (0.52-3.14)	1.91 (0.66-5.51)	0.56	0.89	
			Female	0.25	402	1.16 (0.70-1.92)	0.57	1.00	1.38 (0.49-3.87)	0.75 (0.31-1.81)	0.36 (0.09-1.48)	3.54 (1.22-10.26)	0.04	0.26	
rs3761264	<i>GNAS</i>	20	Male	0.43	385	0.99 (0.59-1.68)	0.98	1.00	2.97 (0.77-11.44)	0.62 (0.24-1.63)	0.85 (0.32-2.27)	0.90 (0.30-2.70)	0.27	0.83	
			Female	0.45	403	1.00 (0.58-1.70)	0.99	0.99	2.28 (0.61-8.56)	0.73 (0.31-1.76)	6.69 (0.81-55.30)	0.37 (0.13-1.02)	0.01	0.13	
rs6064714	<i>GNAS</i>	20	Male	0.14	385	0.49 (0.27-0.88)	0.01	0.18	0.21 (0.03-1.53)	0.37 (0.10-1.34)	0.35 (0.11-1.10)	1.26 (0.46-3.43)	0.21	0.77	
			Female	0.13	402	1.17 (0.71-1.91)	0.55	1.00	0.95 (0.35-2.58)	1.37 (0.66-2.87)	NA	1.53 (0.52-4.08)	0.29	0.82	
rs1800900	<i>GNAS</i>	20	Male	0.39	338	0.97 (0.56-1.68)	0.91	1.00	0.90 (0.24-3.31)	0.98 (0.36-2.69)	1.87 (0.65-5.40)	0.45 (0.14-1.43)	0.35	0.87	
			Female	0.39	371	1.17 (0.68-2.00)	0.57	1.00	1.57 (0.51-4.84)	0.81 (0.34-1.91)	0.59 (0.14-2.45)	2.52 (0.74-8.58)	0.32	0.84	
rs4810147	<i>GNAS</i>	20	Male	0.47	386	1.05 (0.61-1.82)	0.86	1.00	4.17 (0.87-19.98)	0.75 (0.27-2.05)	0.89 (0.32-2.46)	0.71 (0.23-2.15)	0.19	0.72	
			Female	0.47	403	1.04 (0.61-1.78)	0.89	1.00	2.40 (0.64-9.00)	0.71 (0.29-1.70)	6.19 (0.75-51.24)	0.44 (0.16-1.23)	0.03	0.21	
rs6015389	<i>GNAS</i>	20	Male	0.36	384	0.73 (0.50-1.07)	0.10	0.76	0.44 (0.18-1.06)	1.00 (0.46-2.14)	0.74 (0.37-1.50)	0.83 (0.38-1.82)	0.55	0.93	
			Female	0.34	398	1.09 (0.76-1.56)	0.64	1.00	0.97 (0.47-2.01)	1.17 (0.64-2.15)	0.45 (0.14-1.41)	1.66 (0.82-3.36)	0.24	0.80	
rs6026561	<i>GNAS</i>	20	Male	0.36	383	0.74 (0.50-1.08)	0.12	0.80	0.44 (0.18-1.06)	1.00 (0.46-2.14)	0.79 (0.39-1.60)	0.81 (0.37-1.77)	0.55	0.93	
			Female	0.34	402	1.06 (0.74-1.52)	0.73	1.00	0.87 (0.42-1.80)	1.19 (0.65-2.18)	0.45 (0.14-1.41)	1.66 (0.82-3.36)	0.21	0.76	
rs8125112	<i>GNAS</i>	20	Male	0.15	374	0.60 (0.34-1.07)	0.07	0.65	0.23 (0.03-1.71)	0.76 (0.27-2.13)	0.28 (0.08-0.99)	1.59 (0.57-4.46)	0.10	0.54	
			Female	0.14	393	1.28 (0.80-2.06)	0.31	0.99	1.23 (0.47-3.21)	1.86 (0.94-3.66)	NA	0.84 (0.28-2.48)	0.17	0.72	
rs6064716	<i>GNAS</i>	20	Male	0.12	386	0.59 (0.33-1.08)	0.07	0.66	0.26 (0.04-1.90)	0.64 (0.19-2.16)	0.34 (0.10-1.19)	1.34 (0.50-3.64)	0.25	0.82	
			Female	0.12	403	1.24 (0.75-2.07)	0.41	1.00	1.32 (0.51-3.38)	1.52 (0.73-3.18)	NA	1.03 (0.32-3.31)	0.40	0.90	
rs2145288	<i>GNAS</i>	20	Male	0.27	386	1.06 (0.65-1.72)	0.83	1.00	0.55 (0.18-1.65)	0.62 (0.25-1.52)	2.03 (0.82-5.00)	1.66 (0.58-4.75)	0.14	0.62	
			Female	0.29	402	1.27 (0.77-2.10)	0.35	1.00	1.76 (0.63-4.90)	0.87 (0.37-2.04)	0.44 (0.12-1.65)	3.27 (1.08-9.96)	0.08	0.46	
rs6026567	<i>GNAS</i>	20	Male	0.43	386	1.03 (0.61-1.71)	0.92	1.00	0.84 (0.28-2.51)	1.50 (0.57-3.94)	0.82 (0.31-2.17)	1.00 (0.33-3.00)	0.81	0.81	
			Female	0.42	403	1.25 (0.72-2.17)	0.42	1.00	1.42 (0.42-4.75)	1.03 (0.42-2.57)	3.30 (0.66-16.53)	0.88 (0.31-2.48)	0.52	0.91	
rs12625436	<i>GNAS</i>	20	Male	0.40	386	0.91 (0.65-1.28)	0.58	1.00	0.86 (0.36-2.04)	1.28 (0.67-2.43)	0.70 (0.38-1.30)	0.90 (0.46-1.75)	0.62	0.93	
			Female	0.40	403	1.18 (0.81-1.71)	0.39	1.00	1.03 (0.47-2.28)	1.40 (0.75-2.59)	1.70 (0.67-4.26)	0.82 (0.39-1.74)	0.59	0.94	
rs7271854	<i>GNAS</i>	20	Male	0.40	377	0.74 (0.45-1.23)	0.25	0.97	0.62 (0.21-1.88)	1.10 (0.42-2.84)	1.04 (0.39-2.73)	0.36 (0.12-1.04)	0.38	0.87	
			Female	0.38	400	0.98 (0.58-1.66)	0.94	1.00	1.17 (0.35-3.98)	0.92 (0.38-2.21)	1.50 (0.40-5.61)	0.73 (0.27-1.98)	0.84	0.99	
rs4810148	<i>GNAS</i>	20	Male	0.35	386	0.80 (0.55-1.16)	0.23	0.96	0.71 (0.29-1.76)	1.26 (0.63-2.53)	0.83 (0.41-1.68)	0.48 (0.22-1.09)	0.34	0.88	
			Female	0.33	403	0.94 (0.64-1.39)	0.76	1.00	1.15 (0.52-2.51)	1.06 (0.55-2.04)	0.89 (0.32-2.45)	0.69 (0.31-1.52)	0.80	0.99	
rs2180696	<i>GNAS</i>	20	Male	0.41	386	0.90 (0.64-1.28)	0.56	1.00	0.88 (0.39-1.96)	0.91 (0.48-1.73)	1.31 (0.66-2.62)	0.62 (0.30-1.26)	0.52	0.94	
			Female	0.39	403	0.87 (0.60-1.26)	0.46	1.00	0.89 (0.42-1.89)	0.80 (0.42-1.51)	0.95 (0.36-2.49)	0.90 (0.44-1.86)	0.99	0.99	
rs6026574	<i>GNAS</i>	20	Male	0.35	384	1.24 (0.75-2.04)	0.40	1.00	1.31 (0.43-4.02)	1.48 (0.58-3.77)	0.56 (0.22-1.42)	2.64 (0.85-8.20)	0.19	0.73	
			Female	0.38	402	1.00 (0.60-1.69)	0.99	1.00	0.90 (0.32-2.52)	1.30 (0.53-3.20)	0.76 (0.21-2.75)	0.94 (0.33-2.66)	0.90	0.99	
rs4812042	<i>GNAS</i>	20	Male	0.40	386	1.08 (0.76-1.54)	0.66	1.00	1.30 (0.61-2.78)	1.10 (0.59-2.05)	0.70 (0.35-1.40)	1.57 (0.70-3.51)	0.45	0.91	
			Female	0.42	403	1.00 (0.70-1.44)	0.99	1.00	0.72 (0.33-1.56)	1.49 (0.82-2.72)	1.16 (0.44-3.06)	0.70 (0.34-1.45)	0.33	0.84	
rs6092704	<i>GNAS</i>	20	Male	0.12	386	1.00 (0.59-1.69)	1.00	1.00	0.97 (0.27-3.57)	0.48 (0.16-1.50)	1.13 (0.47-2.75)	1.98 (0.68-5.72)	0.33	0.91	
			Female	0.08	403	0.88 (0.46-1.68)	0.69	1.00	1.13 (0.28-4.48)	0.59 (0.19-1.81)	NA	1.90 (0.62-5.77)	0.19	0.76	
rs2057291	<i>GNAS</i>	20	Male	0.36	386	1.21 (0.85-1.73)	0.30	0.98	1.25 (0.57-2.78)	1.31 (0.69-2.47)	0.84 (0.42-1.69)	1.66 (0.76-3.62)	0.62	0.86	
			Female	0.38	403	0.95 (0.66-1.38)	0								

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect				Treatment Stratified Effects				Test of Interaction	
						Likelihood ratio test		SNP OR (95% CI)	Observed P	Adjusted P	Placebo SNP OR (95% CI)	Bupropion SNP OR (95% CI)	Patch SNP OR (95% CI)		
						SNP OR (95% CI)	Observed P							Adjusted P	SNP OR (95% CI)
rs2273504	CHRNA4	20	Male	0.16	347	1.23 (0.71-2.14)	0.46	0.96	1.47 (0.40-5.42)	0.54 (0.19-1.55)	2.50 (0.93-6.73)	1.24 (0.39-3.95)	0.21	0.62	
			Female	0.18	367	0.99 (0.57-1.74)	0.98	0.98	1.00 (0.29-3.44)	0.54 (0.20-1.50)	1.74 (0.42-7.20)	1.46 (0.52-4.13)	0.46	0.91	
rs6010918	CHRNA4	20	Male	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs2273505	CHRNA4	20	Male	0.07	353	1.00 (0.47-2.16)	0.99	0.99	2.14 (0.56-8.20)	0.52 (0.10-2.60)	0.53 (0.11-2.57)	2.29 (0.37-13.98)	0.34	0.82	
			Female	0.07	379	0.52 (0.21-1.29)	0.13	0.50	1.28 (0.32-5.18)	0.43 (0.09-2.05)	NA	0.28 (0.03-2.38)	0.40	0.86	
rs755203	CHRNA4	20	Male	0.44	354	0.80 (0.47-1.36)	0.41	0.95	1.49 (0.37-6.05)	0.34 (0.13-0.90)	0.94 (0.36-2.45)	1.36 (0.38-4.77)	0.20	0.62	
			Female	0.42	379	1.24 (0.71-2.16)	0.45	0.91	1.87 (0.56-6.23)	0.85 (0.35-2.05)	2.22 (0.43-11.35)	1.11 (0.35-3.50)	0.63	0.98	
rs4809549	CHRNA4	20	Male	0.47	385	1.04 (0.74-1.46)	0.82	0.99	1.47 (0.69-3.11)	0.78 (0.42-1.48)	1.07 (0.55-2.07)	1.06 (0.52-2.17)	0.66	0.87	
			Female	0.48	403	0.72 (0.50-1.04)	0.08	0.42	0.78 (0.37-1.63)	0.66 (0.35-1.23)	0.98 (0.39-2.49)	0.62 (0.29-1.31)	0.87	1.00	
rs7281533	CLIC6	21	Male	0.21	386	1.06 (0.71-1.61)	0.77	0.99	1.11 (0.44-2.80)	0.74 (0.33-1.67)	1.40 (0.68-2.88)	1.09 (0.45-2.63)	0.72	0.91	
			Female	0.23	403	0.85 (0.55-1.31)	0.46	0.96	0.74 (0.28-1.98)	0.96 (0.46-2.01)	1.11 (0.40-3.06)	0.69 (0.30-1.61)	0.88	1.00	
rs2409531	CLIC6	21	Male	0.21	386	1.06 (0.70-1.60)	0.77	0.98	1.11 (0.44-2.80)	0.74 (0.33-1.67)	1.44 (0.70-2.96)	1.03 (0.42-2.50)	0.69	0.89	
			Female	0.23	403	0.85 (0.55-1.31)	0.46	0.96	0.74 (0.28-1.98)	0.96 (0.46-2.01)	1.11 (0.40-3.06)	0.69 (0.30-1.61)	0.88	1.00	
rs7281040	CLIC6	21	Male	0.21	385	1.13 (0.68-1.85)	0.64	1.00	1.17 (0.49-4.38)	0.69 (0.26-1.80)	1.52 (0.62-3.73)	1.09 (0.36-3.28)	0.64	0.89	
			Female	0.23	403	0.93 (0.55-1.57)	0.79	0.95	0.86 (0.28-2.66)	1.19 (0.50-2.80)	1.07 (0.30-3.87)	0.64 (0.22-1.85)	0.83	1.00	
rs2834578	CLIC6	21	Male	0.40	386	1.13 (0.68-1.87)	0.64	1.00	1.57 (0.51-4.82)	1.70 (0.62-4.61)	1.19 (0.47-3.01)	0.48 (0.17-1.36)	0.31	0.69	
			Female	0.39	403	0.81 (0.49-1.36)	0.43	0.96	1.35 (0.44-4.15)	0.68 (0.29-1.61)	0.84 (0.23-3.03)	0.67 (0.25-1.81)	0.77	1.00	
rs2236610	CLIC6	21	Male	0.17	381	1.05 (0.62-1.79)	0.86	0.86	1.21 (0.39-3.76)	0.58 (0.20-1.64)	1.85 (0.72-4.76)	0.87 (0.25-3.01)	0.42	0.82	
			Female	0.17	391	0.77 (0.44-1.37)	0.37	0.95	0.86 (0.25-2.91)	0.73 (0.28-1.93)	1.45 (0.40-5.25)	0.42 (0.11-1.60)	0.61	0.99	
rs2834586	CLIC6	21	Male	0.19	386	1.21 (0.73-2.00)	0.47	0.99	1.67 (0.56-5.00)	0.68 (0.25-1.84)	1.64 (0.65-4.13)	1.19 (0.40-3.58)	0.55	0.88	
			Female	0.19	403	0.78 (0.45-1.36)	0.37	0.95	0.71 (0.21-2.37)	0.85 (0.35-2.09)	1.33 (0.37-4.81)	0.44 (0.12-1.67)	0.68	0.99	
rs2834587	CLIC6	21	Male	0.35	386	0.90 (0.55-1.47)	0.67	0.99	0.63 (0.21-1.92)	0.52 (0.21-1.29)	1.08 (0.43-2.70)	2.05 (0.69-6.09)	0.24	0.61	
			Female	0.35	403	1.15 (0.68-1.92)	0.60	0.99	1.38 (0.50-3.82)	1.17 (0.48-2.89)	1.01 (0.27-3.79)	1.00 (0.37-2.71)	0.97	1.00	
rs2186287	CLIC6	21	Male	0.34	381	0.87 (0.53-1.43)	0.59	1.00	0.66 (0.22-2.00)	0.47 (0.19-1.17)	1.03 (0.41-2.58)	2.09 (0.70-6.19)	0.19	0.54	
			Female	0.35	401	1.18 (0.70-1.98)	0.54	0.98	1.41 (0.51-3.91)	1.26 (0.50-3.19)	1.01 (0.27-3.79)	1.00 (0.37-2.71)	0.96	1.00	
rs2834590	CLIC6	21	Male	0.16	386	0.89 (0.55-1.44)	0.63	1.00	0.39 (0.14-1.51)	0.59 (0.23-1.51)	0.77 (0.30-1.93)	2.51 (1.03-6.10)	0.06	0.25	
			Female	0.16	403	1.56 (0.97-2.52)	0.07	0.43	1.63 (0.60-4.42)	1.92 (0.88-4.23)	0.65 (0.13-3.31)	1.57 (0.64-3.89)	0.67	0.99	
rs2070367	CLIC6	21	Male	0.21	386	1.11 (0.67-1.84)	0.67	0.99	1.25 (0.42-3.76)	0.56 (0.21-1.51)	1.91 (0.77-4.74)	1.12 (0.37-3.73)	0.34	0.73	
			Female	0.20	403	0.70 (0.40-1.21)	0.19	0.75	0.65 (0.19-2.15)	0.61 (0.24-1.54)	1.42 (0.39-5.12)	0.51 (0.15-1.71)	0.68	0.98	
rs6517254	CLIC6	21	Male	0.38	386	0.80 (0.49-1.31)	0.38	0.96	0.50 (0.16-1.49)	0.44 (0.18-1.10)	0.93 (0.36-2.39)	2.41 (0.77-7.51)	0.09	0.31	
			Female	0.38	403	1.13 (0.67-1.91)	0.64	0.99	1.24 (0.45-3.45)	1.09 (0.43-2.76)	1.01 (0.27-3.79)	1.17 (0.43-3.20)	1.00	1.00	
rs3819041	CLIC6	21	Male	0.42	386	1.10 (0.78-1.53)	0.59	1.00	1.61 (0.77-3.39)	1.70 (0.91-3.17)	0.81 (0.43-1.56)	0.59 (0.28-1.26)	0.09	0.33	
			Female	0.40	403	0.93 (0.65-1.32)	0.68	0.99	0.89 (0.45-1.78)	0.89 (0.48-1.64)	1.37 (0.59-3.18)	0.78 (0.38-1.62)	0.79	1.00	
rs2834600	CLIC6	21	Male	0.13	386	0.89 (0.51-1.57)	0.69	0.99	0.52 (0.13-2.01)	0.51 (0.17-1.54)	1.12 (0.41-3.07)	2.18 (0.69-6.87)	0.25	0.62	
			Female	0.14	403	2.29 (1.34-3.91)	2.86 × 10 <sup>-3</sup>	0.03	2.71 (0.87-8.47)	2.74 (1.15-6.50)	0.73 (0.14-3.72)	2.76 (0.95-7.99)	0.46	0.94	
rs2834603	CLIC6	21	Male	0.08	386	1.17 (0.59-2.32)	0.66	1.00	0.57 (0.12-2.84)	2.22 (0.54-9.17)	1.05 (0.30-3.66)	1.42 (0.34-5.87)	0.63	0.93	
			Female	0.05	403	0.84 (0.35-1.98)	0.68	0.96	0.80 (0.16-3.95)	0.30 (0.04-2.48)	2.99 (0.50-17.91)	0.92 (0.18-4.77)	0.42	0.92	
rs2834604	CLIC6	21	Male	0.33	386	0.79 (0.54-1.15)	0.22	0.84	0.79 (0.29-2.15)	0.52 (0.24-1.11)	1.11 (0.60-2.06)	0.73 (0.32-1.65)	0.50	0.89	
			Female	0.37	403	0.96 (0.66-1.41)	0.85	0.85	0.98 (0.44-2.15)	0.95 (0.48-1.91)	0.90 (0.36-2.29)	1.00 (0.49-2.02)	1.00	1.00	
rs2834605	CLIC6	21	Male	0.12	386	0.92 (0.53-1.59)	0.77	0.99	0.38 (0.08-1.81)	0.65 (0.23-1.85)	1.02 (0.41-2.56)	2.50 (0.79-7.95)	0.20	0.54	
			Female	0.14	403	1.86 (1.10-3.13)	0.02	0.18	2.07 (0.68-6.34)	2.35 (0.99-5.54)	1.02 (0.14-3.69)	1.90 (0.72-5.04)	0.62	0.99	
rs11088294	CLIC6	21	Male	0.24	381	0.71 (0.42-1.19)	0.19	0.81	0.99 (0.32-3.05)	0.75 (0.30-1.86)	0.74 (0.27-2.03)	0.46 (0.15-1.42)	0.81	0.81	
			Female	0.27	402	0.81 (0.49-1.35)	0.42	0.97	0.54 (0.15-1.88)	0.73 (0.31-1.71)	1.14 (0.32-4.12)	1.12 (0.41-3.00)	0.73	0.99	
rs1107470	CLIC6	21	Male	0.21	386	1.08 (0.65-1.77)	0.78	0.95	0.56 (0.18-1.80)	0.65 (0.24-1.71)	1.22 (0.49-3.03)	3.13 (1.06-9.24)	0.11	0.35	
			Female	0.19	402	1.64 (0.99-2.75)	0.06	0.39	1.10 (0.37-3.26)	2.10 (0.89-4.94)	0.73 (0.18-3.01)	2.65 (0.96-7.31)	0.38	0.89	
rs4485648	COMT	22	Male	0.20	386	0.75 (0.48-1.17)	0.20	0.91	0.55 (0.17-1.78)	1.23 (0.57-2.63)	0.57 (0.24-1.39)	0.65 (0.26-1.64)	0.52	0.97	
			Female	0.18	403	0.71 (0.42-1.19)	0.18	0.85	0.79 (0.27-2.27)	0.46 (0.18-1.18)	1.42 (0.42-4.81)	0.74 (0.26-2.09)	0.55	0.94	
rs8140265	COMT	22	Male	0.31	386	0.93 (0.64-1.36)	0.71	1.00	0.55 (0.22-1.39)	1.13 (0.52-2.49)	0.88 (0.44-1.74)	1.23 (0.59-2.56)	0.54	0.96	
			Female	0.27	402	1.57 (1.07-2.32)	0.02	0.27	1.30 (0.61-2.39)	2.83 (1.34-5.98)	2.53 (0.96-6.65)	0.76 (0.35-1.67)	0.07	0.34	
rs8137828	COMT	22	Male	0.44	385	1.06 (0.75-1.50)	0.73	1.00	1.54 (0.71-3.36)	0.61 (0.31-1.19)	1.45 (0.76-2.78)	1.00 (0.48-2.07)	0.20	0.70	
			Female	0.50	403	0.81 (0.57-1.16)	0.25	0.85	1.04 (0.51-2.13)	0.65 (0.36-1.15)	0.32 (0.11-0.95)	1.64 (0.74-3.64)	0.06	0.32	
rs2871047	COMT	22	Male	0.05	384	1.79 (0.84-3.81)	0.14	0.85	5.29 (0.95-29.36)	1.32 (0.41-4.28)	1.75 (0.30-10.22)	1.32 (0.25-7.04)	0.60	0.95	
			Female	0.06	400	1.34 (0.62-2.87)	0.46	0.95	1.03 (0.20-5.20)	2.69 (0.77-9.33)	0.74 (0.08-6.63)	0.90 (0.17-4.63)	0.61	0.92	
rs6518592	COMT	22	Male	0.40	386	1.04 (0.62-1.74)	0.89	1.00	0.83 (0.27-2.57)	0.68 (0.26-1.75)	1.92 (0.69-5.35)	1.03 (0.36-2.96)	0.50	0.96	
			Female	0.45	403	0.59 (0.35-0.99)	0.05	0.45	1.10 (0.35-3.41)	0.37 (0.15-0.92)	0.24 (0.06-0.90)	1.10 (0.37-3.23)	0.15	0.56	
rs737865	COMT	22	Male	0.31	386	0.93 (0.57-1.51)	0.76	1.00	0.62 (0.21-1.86)	1.05 (0.43-2.57)	0.72 (0.30-1.76)	1.59 (0.55-4.57)	0.59	0.96	
			Female	0.28	403	1.83 (1.10-3.05)	0.02	0.24	1.36 (0.49-3.79)	3.24 (1.36-7.75)	4.62 (0.92-23.09)	0.72 (0.26-1.93)	0.07	0.34	
rs1544325	COMT	22	Male	0.40	386	1.02 (0.72-1.45)	0.89	1.00	1.17 (0.56-2.47)	0.70 (0.35-1.40)	1.19 (0.63-2.24)	1.14 (0.56-2.33)	0.66	0.95	
			Female	0.46	402	0.78 (0.55-1.12)	0.18	0.85	1.04 (0.50-2.15)	0.60 (0.33-1.09)	0.24 (0.07-0.80)	1.55 (0.75-3.20)	0.03	0.17	
rs174675	COMT	22	Male	0.28	385	1.08 (0.66-1.75)	0.77	1.00	1.40 (0.47-4.17)	1.68 (0.67-4.22)	0.91 (0.37-2.25)	0.60 (0.21-1.73)	0.68	0.95	
			Female	0.27	403	0.89 (0.54-1.48)	0.66	0.92	0.63 (0.21-1.84)	0.67 (0.28-1.58)	2.11 (0.56-7.88)	1.09 (0.40-2.93)	0.44	0.92	

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects															
						Likelihood ratio test			Placebo	Bupropion	Patch	Spray	Test of Interaction											
						SNP OR (95% CI)	Observed P	Adjusted P					SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	Observed P	Adjusted P						
rs2276005	MAPKI	22	Male	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
rs13515	MAPKI	22	Male	0.21	384	0.95 (0.61-1.46)	0.81	0.99	0.77 (0.31-1.92)	1.66 (0.75-3.66)	1.38 (0.64-2.99)	0.20 (0.05-0.77)	0.02	0.08										
			Female	0.18	403	0.75 (0.46-1.21)	0.23	0.64	0.42 (0.12-1.43)	1.42 (0.68-3.00)	0.17 (0.02-1.29)	0.82 (0.33-2.02)	0.07	0.25										
rs1063311	MAPKI	22	Male	0.46	383	0.92 (0.64-1.31)	0.64	0.64	1.24 (0.58-2.68)	0.80 (0.42-1.53)	1.26 (0.65-2.44)	0.49 (0.21-1.14)	0.27	0.45										
			Female	0.43	399	0.72 (0.51-1.04)	0.08	0.31	0.51 (0.24-1.07)	0.98 (0.54-1.77)	0.80 (0.30-2.14)	0.64 (0.32-1.31)	0.57	0.94										
rs5755074	MAPKI	22	Male	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs2266966	MAPKI	22	Male	0.46	386	0.94 (0.66-1.34)	0.74	1.00	1.24 (0.58-2.68)	0.87 (0.46-1.64)	1.26 (0.66-2.43)	0.49 (0.21-1.14)	0.29	0.44										
			Female	0.43	402	0.73 (0.51-1.04)	0.08	0.33	0.54 (0.26-1.12)	0.96 (0.53-1.73)	0.80 (0.30-2.14)	0.64 (0.31-1.31)	0.64	0.93										
rs17759598	MAPKI	22	Male	0.17	385	0.87 (0.55-1.39)	0.57	0.98	0.38 (0.11-1.33)	1.68 (0.75-3.76)	1.33 (0.59-3.01)	0.27 (0.07-1.02)	0.03	0.09										
			Female	0.14	403	0.44 (0.23-0.83)	5.60 × 10 <sup>-3</sup>	1.00	0.35 (0.08-1.53)	0.72 (0.28-1.86)	0.19 (0.02-1.52)	0.39 (0.11-1.37)	0.60	0.96										
rs2298432	MAPKI	22	Male	0.36	386	0.95 (0.67-1.35)	0.79	1.00	0.33 (0.12-0.91)	0.94 (0.50-1.77)	0.86 (0.47-1.59)	2.55 (1.13-5.76)	0.01	0.05										
			Female	0.35	402	1.22 (0.85-1.75)	0.28	0.64	1.59 (0.73-3.44)	1.22 (0.69-2.18)	1.14 (0.45-2.89)	0.99 (0.47-2.09)	0.86	0.97										
rs4821263	MAPKI	22	Male	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs743409	MAPKI	22	Male	0.44	385	1.12 (0.79-1.59)	0.53	0.97	0.37 (0.15-0.94)	1.22 (0.64-2.35)	0.97 (0.52-1.80)	2.95 (1.33-6.54)	5.47 × 10 <sup>-3</sup>	0.03										
			Female	0.47	403	1.19 (0.85-1.66)	0.32	0.63	2.10 (1.02-4.33)	0.81 (0.46-1.42)	1.57 (0.63-3.96)	1.05 (0.55-2.00)	0.18	0.47										
rs2283791	MAPKI	22	Male	0.46	382	0.94 (0.66-1.34)	0.74	1.00	1.24 (0.58-2.65)	0.87 (0.46-1.64)	1.26 (0.65-2.45)	0.49 (0.21-1.13)	0.28	0.44										
			Female	0.43	403	0.74 (0.52-1.06)	0.10	0.37	0.53 (0.25-1.12)	1.00 (0.55-1.81)	0.80 (0.30-2.14)	0.64 (0.31-1.31)	0.57	0.95										
rs9607272	MAPKI	22	Male	0.25	386	1.00 (0.61-1.62)	0.99	0.99	2.72 (0.89-8.36)	0.46 (0.18-1.21)	0.87 (0.36-2.12)	1.29 (0.46-3.65)	0.11	0.22										
			Female	0.24	403	1.17 (0.70-1.94)	0.55	0.61	0.89 (0.32-2.47)	1.08 (0.46-2.55)	2.29 (0.63-8.34)	1.12 (0.40-3.10)	0.72	0.94										
rs11704205	MAPKI	22	Male	0.45	386	1.07 (0.75-1.51)	0.72	1.00	0.35 (0.14-0.90)	1.14 (0.60-2.18)	0.97 (0.52-1.81)	2.79 (1.23-6.33)	7.26 × 10 <sup>-3</sup>	0.03										
			Female	0.47	403	1.20 (0.86-1.68)	0.29	0.61	2.29 (1.09-4.80)	0.79 (0.45-1.40)	1.57 (0.63-3.96)	1.05 (0.45-2.00)	0.13	0.35										
rs5999550	MAPKI	22	Male	0.45	386	1.07 (0.75-1.51)	0.72	1.00	0.35 (0.14-0.90)	1.14 (0.60-2.18)	0.97 (0.52-1.81)	2.79 (1.23-6.33)	7.26 × 10 <sup>-3</sup>	0.03										
			Female	0.47	403	1.20 (0.86-1.68)	0.29	0.61	2.29 (1.09-4.80)	0.79 (0.45-1.40)	1.57 (0.63-3.96)	1.05 (0.45-2.00)	0.13	0.35										
rs2298434	MAPKI	22	Male	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs9610355	MAPKI	22	Male	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs3788332	MAPKI	22	Male	0.45	386	1.07 (0.75-1.51)	0.72	1.00	0.35 (0.14-0.90)	1.14 (0.60-2.18)	0.97 (0.52-1.81)	2.79 (1.23-6.33)	7.26 × 10 <sup>-3</sup>	0.03										
			Female	0.47	401	1.20 (0.85-1.68)	0.30	0.61	2.38 (1.12-5.02)	0.77 (0.43-1.37)	1.57 (0.63-3.92)	1.05 (0.55-2.00)	0.10	0.29										
rs5999704	MAPKI	22	Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	1.24 × 10 <sup>3</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs1892848	MAPKI	22	Male	0.45	386	1.07 (0.75-1.51)	0.72	1.00	0.35 (0.14-0.90)	1.14 (0.60-2.18)	0.97 (0.52-1.81)	2.79 (1.23-6.33)	7.26 × 10 <sup>-3</sup>	0.03										
			Female	0.47	403	1.20 (0.86-1.68)	0.29	0.61	2.29 (1.09-4.80)	0.79 (0.45-1.40)	1.57 (0.63-3.96)	1.05 (0.45-2.00)	0.13	0.35										
rs9610375	MAPKI	22	Male	0.49	377	0.74 (0.42-1.30)	0.30	0.83	1.17 (0.29-4.71)	1.14 (0.39-3.34)	0.66 (0.25-1.79)	0.32 (0.10-1.05)	0.39	0.45										
			Female	0.48	397	0.55 (0.32-0.93)	0.03	0.14	0.41 (0.14-1.19)	0.62 (0.26-1.52)	0.59 (0.15-2.35)	0.58 (0.21-1.64)	0.94	0.94										
rs5755694	MAPKI	22	Male	0.43	386	1.05 (0.62-1.76)	0.86	0.98	0.31 (0.10-0.93)	1.73 (0.61-4.93)	0.78 (0.30-2.00)	3.30 (0.87-12.45)	0.02	0.08										
			Female	0.45	403	1.19 (0.69-2.06)	0.52	0.80	4.91 (1.06-22.80)	0.46 (0.19-1.10)	2.09 (0.41-10.60)	1.30 (0.45-3.79)	0.02	0.10										
rs1836867	MAPKI	22	Male	0.43	385	1.05 (0.63-1.77)	0.85	0.98	0.31 (0.10-0.93)	1.73 (0.61-4.93)	0.78 (0.30-2.00)	3.37 (0.89-12.73)	0.02	0.08										
			Female	0.45	402	1.21 (0.70-2.09)	0.49	0.78	4.81 (1.03-22.41)	0.48 (0.20-1.16)	2.09 (0.41-10.58)	1.30 (0.45-3.79)	0.03	0.13										
rs2876981	MAPKI	22	Male	0.42	386	0.74 (0.44-1.24)	0.25	0.78	0.71 (0.23-2.20)	1.03 (0.41-2.60)	0.88 (0.34-2.26)	0.36 (0.12-1.09)	0.52	0.52										
			Female	0.39	403	0.60 (0.36-0.99)	0.05	0.22	0.54 (0.19-1.50)	0.67 (0.29-1.58)	1.17 (0.31-4.39)	0.37 (0.13-1.03)	0.58	0.95										
rs9610470	MAPKI	22	Male	0.26	386	0.92 (0.57-1.50)	0.75	1.00	2.55 (0.83-7.83)	0.41 (0.16-1.08)	0.83 (0.34-2.02)	1.20 (0.42-3.40)	0.09	0.20										
			Female	0.25	403	1.10 (0.66-1.83)	0.71	0.71	0.75 (0.27-2.08)	1.08 (0.46-2.55)	2.03 (0.67-7.38)	1.12 (0.40-3.10)	0.70	0.93										
rs4821401	MAPKI	22	Male	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs5755745	MAPKI	22	Male	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs5999891	MAPKI	22	Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Female	1.24 × 10 <sup>3</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs9612225	GNAZ	22	Male	0.26	383	0.59 (0.35-0.97)	0.04	0.30	0.57 (0.18-1.84)	0.49 (0.19-1.27)	0.55 (0.22-1.40)	0.82 (0.28-2.36)	0.91	0.95										
			Female	0.25	401	1.17 (0.71-1.93)	0.55	0.99	1.23 (0.44-3.41)	0.95 (0.40-2.26)	3.56 (0.87-14.66)	0.79 (0.29-2.12)	0.32	0.87										
rs13054331	GNAZ	22	Male	0.2																				

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction			
						Likelihood ratio test			SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	SNP OR (95% CI)	Observed P	Adjusted P
						SNP OR (95% CI)	Observed P	Adjusted P								
rs2076370	PRKCABP	22	Female	0.33	403	1.09 (0.66-1.81)	0.73	0.78	2.24 (0.77-6.52)	1.26 (0.53-2.96)	0.84 (0.23-3.02)	0.55 (0.20-1.50)	0.27	0.64		
			Male	0.39	380	1.03 (0.62-1.71)	0.91	1.00	0.95 (0.32-2.86)	0.88 (0.34-2.30)	2.26 (0.81-6.31)	0.53 (0.19-1.52)	0.25	0.48		
rs760975	PRKCABP	22	Female	0.38	397	1.21 (0.72-2.05)	0.47	0.74	2.73 (0.73-10.19)	0.77 (0.33-1.80)	0.81 (0.23-2.93)	1.71 (0.59-5.00)	0.32	0.71		
			Male	0.38	381	0.89 (0.54-1.47)	0.65	0.98	0.83 (0.27-2.56)	0.92 (0.35-2.39)	1.76 (0.66-4.71)	0.38 (0.13-1.15)	0.23	0.46		
rs7289911	PRKCABP	22	Female	0.39	402	1.27 (0.75-2.14)	0.37	0.77	2.35 (0.63-8.82)	0.75 (0.32-1.75)	1.05 (0.28-3.96)	1.96 (0.68-5.68)	0.37	0.78		
			Male	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
rs2012859	PRKCABP	22	Female	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			Male	0.30	384	1.28 (0.79-2.08)	0.32	0.87	1.74 (0.57-5.33)	1.39 (0.56-3.45)	1.22 (0.50-3.00)	0.93 (0.33-2.62)	0.87	0.87		
rs2076371	PRKCABP	22	Female	0.29	403	0.58 (0.35-0.97)	0.03	0.22	0.31 (0.10-0.95)	0.66 (0.28-1.54)	0.87 (0.24-3.11)	0.67 (0.25-1.80)	0.62	0.93		
			Male	0.28	385	0.97 (0.65-1.43)	0.87	1.00	0.60 (0.23-1.58)	0.96 (0.48-1.92)	1.98 (0.94-4.16)	0.58 (0.23-1.45)	0.12	0.32		
rs1004764	PRKCABP	22	Female	0.28	403	1.41 (0.94-2.11)	0.10	0.44	1.88 (0.85-4.17)	0.97 (0.48-1.97)	1.25 (0.47-3.33)	1.92 (0.83-4.41)	0.53	0.92		
			Male	0.39	386	1.00 (0.60-1.64)	0.99	0.99	0.92 (0.30-2.75)	0.86 (0.33-2.23)	2.51 (0.90-6.97)	0.43 (0.15-1.25)	0.11	0.30		
rs2076372	PRKCABP	22	Female	0.38	402	1.32 (0.78-2.23)	0.30	0.69	2.41 (0.64-9.04)	0.81 (0.35-1.88)	1.12 (0.30-4.20)	1.97 (0.68-5.68)	0.43	0.84		
			Male	0.28	386	1.28 (0.79-2.09)	0.31	0.88	1.90 (0.62-5.80)	1.87 (0.75-4.64)	1.06 (0.44-2.59)	0.72 (0.25-2.06)	0.47	0.69		
rs18135665	PRKCABP	22	Female	0.25	401	0.53 (0.31-0.89)	0.02	0.11	0.13 (0.03-0.60)	0.98 (0.42-2.31)	0.29 (0.06-1.47)	0.73 (0.27-1.99)	0.06	0.20		
			Male	0.20	354	0.95 (0.56-1.62)	0.86	1.00	0.71 (0.20-2.58)	0.73 (0.26-2.03)	0.81 (0.31-2.09)	2.07 (0.68-6.31)	0.48	0.70		
rs5756908	PRKCABP	22	Female	0.21	379	1.38 (0.82-2.32)	0.23	0.68	2.18 (0.77-6.13)	1.48 (0.62-3.54)	1.55 (0.40-5.91)	0.69 (0.22-2.15)	0.51	0.92		
			Male	0.50	386	1.14 (0.65-2.03)	0.64	0.99	2.39 (0.49-11.55)	1.38 (0.50-3.79)	0.63 (0.22-1.77)	1.11 (0.32-3.88)	0.51	0.69		
rs2267366	PRKCABP	22	Female	0.48	403	0.80 (0.46-1.39)	0.42	0.81	0.84 (0.28-2.50)	1.16 (0.42-3.24)	0.74 (0.19-2.81)	0.50 (0.17-1.46)	0.73	0.96		
			Male	0.13	386	1.03 (0.62-1.71)	0.92	0.99	0.61 (0.16-2.28)	0.53 (0.20-1.41)	0.73 (0.25-2.12)	5.32 (1.80-15.74)	6.33 × 10 <sup>-3</sup>	0.03		
rs5905613	MAOA	X	Female	0.16	403	0.70 (0.42-1.17)	0.16	0.61	0.86 (0.33-2.29)	0.76 (0.34-1.70)	0.47 (0.07-3.33)	0.56 (0.19-1.63)	0.90	0.90		
			Male	0.30	386	1.29 (0.77-2.17)	0.33	0.95	1.09 (0.34-3.55)	1.09 (0.41-2.92)	1.24 (0.47-3.27)	1.93 (0.67-5.58)	0.86	1.00		
rs4824657	MAOA	X	Female	0.27	403	0.87 (0.58-1.30)	0.49	1.00	0.67 (0.28-1.60)	0.81 (0.40-1.64)	0.61 (0.20-1.87)	1.39 (0.67-2.92)	0.50	0.92		
			Male	0.30	370	1.21 (0.71-2.07)	0.48	0.99	0.83 (0.23-2.94)	1.03 (0.46-2.93)	1.25 (0.47-3.30)	1.86 (0.64-5.35)	0.78	0.98		
rs3788862	MAOA	X	Female	0.27	387	0.91 (0.61-1.36)	0.63	1.00	0.68 (0.29-1.61)	0.89 (0.45-1.79)	0.49 (0.14-1.73)	1.60 (0.74-3.43)	0.32	0.86		
			Male	0.30	385	1.27 (0.76-2.14)	0.36	0.97	1.07 (0.33-3.50)	1.09 (0.41-2.92)	1.24 (0.47-3.27)	1.83 (0.64-5.26)	0.89	1.00		
rs5906883	MAOA	X	Female	0.27	403	0.88 (0.59-1.32)	0.55	1.00	0.66 (0.27-1.56)	0.79 (0.39-1.59)	0.58 (0.19-1.79)	1.65 (0.77-3.53)	0.29	0.85		
			Male	0.30	386	1.26 (0.75-2.11)	0.39	0.98	1.02 (0.31-3.30)	1.09 (0.41-2.92)	1.24 (0.47-3.27)	1.83 (0.64-5.26)	0.88	1.00		
rs1465108	MAOA	X	Female	0.28	403	0.92 (0.63-1.49)	0.67	1.00	0.64 (0.27-1.53)	0.81 (0.40-1.64)	0.77 (0.26-2.26)	1.56 (0.74-3.27)	0.41	0.93		
			Male	0.30	386	1.26 (0.75-2.11)	0.39	0.98	1.02 (0.31-3.30)	1.09 (0.41-2.92)	1.24 (0.47-3.27)	1.83 (0.64-5.26)	0.88	1.00		
rs5906957	MAOA	X	Female	0.28	403	0.91 (0.61-1.35)	0.64	1.00	0.64 (0.27-1.53)	0.79 (0.39-1.59)	0.77 (0.26-2.26)	1.56 (0.74-3.27)	0.40	0.92		
			Male	0.26	385	1.38 (0.81-2.36)	0.25	0.89	1.54 (0.46-5.11)	0.79 (0.28-2.28)	1.48 (0.54-4.16)	2.14 (0.74-6.21)	0.61	0.95		
rs909525	MAOA	X	Female	0.23	403	0.99 (0.66-1.49)	0.97	0.97	0.70 (0.29-1.69)	0.97 (0.46-2.05)	0.95 (0.34-2.69)	1.39 (0.67-2.90)	0.70	0.89		
			Male	0.35	386	1.60 (0.97-2.63)	0.07	0.48	1.20 (0.39-3.72)	1.48 (0.59-3.74)	1.30 (0.50-3.33)	2.97 (1.02-8.65)	0.61	0.95		
rs2283725	MAOA	X	Female	0.31	403	0.89 (0.61-1.31)	0.56	1.00	0.83 (0.38-1.79)	0.67 (0.34-1.31)	0.89 (0.32-2.47)	1.38 (0.67-2.85)	0.54	0.89		
			Male	0.35	386	1.60 (0.97-2.63)	0.07	0.48	1.20 (0.39-3.72)	1.48 (0.59-3.74)	1.30 (0.50-3.33)	2.97 (1.02-8.65)	0.61	0.95		
rs3027399	MAOA	X	Female	0.31	403	0.89 (0.61-1.30)	0.54	1.00	0.83 (0.38-1.79)	0.67 (0.34-1.31)	0.89 (0.32-2.47)	1.33 (0.65-2.70)	0.58	0.92		
			Male	0.02	369	NA	NA	NA	NA	NA	NA	NA	NA	NA		
rs2205718	MAOA	X	Female	0.08	403	0.74 (0.36-1.54)	0.41	1.00	0.42 (0.09-2.00)	0.81 (0.24-2.67)	0.52 (0.06-4.52)	1.50 (0.36-6.27)	0.67	0.95		
			Male	0.31	386	1.19 (0.71-1.99)	0.52	0.99	1.53 (0.49-4.78)	0.76 (0.28-2.08)	1.14 (0.43-3.01)	1.68 (0.59-4.82)	0.71	0.98		
rs2072743	MAOA	X	Female	0.29	403	0.94 (0.63-1.40)	0.76	1.00	0.73 (0.21-1.67)	0.91 (0.46-1.79)	0.83 (0.27-2.57)	1.29 (0.61-2.70)	0.78	0.83		
			Male	0.36	384	1.36 (0.83-2.25)	0.23	0.87	1.01 (0.31-3.29)	1.07 (0.42-2.71)	1.13 (0.44-2.89)	3.03 (1.04-8.82)	0.41	0.78		
rs979606	MAOA	X	Female	0.33	403	0.89 (0.61-1.31)	0.56	1.00	0.98 (0.47-2.04)	0.72 (0.38-1.40)	0.93 (0.32-2.74)	1.05 (0.52-2.12)	0.88	0.88		
			Male	0.31	385	1.18 (0.70-1.97)	0.54	0.99	1.53 (0.49-4.78)	0.74 (0.27-2.08)	1.14 (0.43-3.00)	1.68 (0.59-4.82)	0.69	0.97		
rs3027409	MAOA	X	Female	0.29	403	0.94 (0.63-1.40)	0.76	1.00	0.73 (0.21-1.67)	0.91 (0.46-1.79)	0.83 (0.27-2.57)	1.29 (0.61-2.70)	0.78	0.83		
			Male	0.05	386	2.09 (0.79-5.53)	0.15	0.77	2.91 (0.55-15.53)	0.98 (0.09-10.33)	5.79 (1.04-32.27)	0.20	0.53			
rs2064070	MAOA	X	Female	0.04	403	0.74 (0.27-2.01)	0.54	1.00	2.40 (0.64-8.97)	NA	1.69 (0.17-16.86)	NA	0.03	0.18		
			Male	0.31	384	1.30 (0.78-2.18)	0.32	0.95	1.50 (0.48-4.69)	0.83 (0.30-2.27)	1.46 (0.56-3.81)	1.69 (0.59-4.83)	0.77	0.99		
rs609257	MAOA	X	Female	0.30	402	1.03 (0.70-1.51)	0.89	1.00	0.72 (0.31-1.64)	0.93 (0.48-1.80)	0.83 (0.27-2.57)	1.65 (0.83-3.28)	0.43	0.94		
			Male	0.44	386	1.13 (0.70-1.85)	0.61	0.99	0.95 (0.31-2.91)	0.82 (0.33-2.01)	1.13 (0.46-2.78)	2.09 (0.73-6.05)	0.58	0.94		
rs3027415	MAOA	X	Female	0.40	403	0.97 (0.68-1.37)	0.85	1.00	0.88 (0.44-1.77)	0.62 (0.33-1.17)	0.95 (0.36-2.54)	1.78 (0.91-3.48)	0.15	0.63		
			Male	0.21	386	0.77 (0.42-1.43)	0.40	0.98	0.58 (0.12-2.60)	0.74 (0.24-2.26)	0.99 (0.34-2.85)	0.69 (0.18-2.72)	0.95	0.97		
rs3027416	MAOA	X	Female	0.24	401	1.06 (0.69-1.62)	0.79	1.00	1.31 (0.56-3.11)	0.74 (0.35-1.55)	1.88 (0.65-5.39)	0.99 (0.42-2.35)	0.51	0.92		
			Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
rs3027421	MAOB	X	Female	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
rs3027431	MAOB	X	Female	0.01	403	1.96 (0.34-11.29)	0.47	1.00	NA	NA	NA	NA	NA	0.27	NA	
			Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs12558036	MAOB	X	Female	0.01	403	1.33 (0.26-6.91)	0.74	1.00	NA	NA	NA	NA	NA	NA	NA	
			Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs1040398	MAOB	X	Female	0.01	403	1.96 (0.34-11.29)	0.47	1.00	NA	NA	NA	NA	NA	NA	NA	
			Male	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
rs1799836	MAOB	X	Female	0.01	403	1.96 (0.34-11.29)	0.47	1.00	1.23 (0.12-12.63)	NA	NA	NA	NA	0.27	NA	
			Male	0.44	386	1.09 (0.67-1.78)	0.73	0.99	0.80 (0.26-2.44)	0.71 (0.29-1.76)	1.17 (0.47-2.93)	2.38 (0.80-7.04)	0.35	0.70		
rs10521432	MAOB	X	Female	0.48	403	0.92 (0.65-1.32)	0.67	1.00	1.14 (0.56-2.30)	0.67 (0.36-1.24)	2.75 (0.93-8.14)	0.70 (0.34-1.42)	0.10	0.49		
			Male	0.27	386	1.03 (0.60-1.77)	0.91	0.91	0.75 (0.19-2.98)	0.74 (0.28-1.94)	1.15 (0.42-3.16)	1.78 (0.60-5.25)	0.65	0.96		
rs7888450	MAOB	X	Female	0.30	402	0.98 (0.66-1.46)	0.92	0.99	1.55 (0.72-3.34)	0.60 (0.29-1.22)	1.75 (0.56-5.48)	0.88 (0.40-1.98)	0.22	0.76		
			Male	0.00	NA	NA										

SNP	Gene Region	Chromosome	Gender	MAF	N	Marginal Effect			Treatment Stratified Effects				Test of Interaction	
						SNP OR (95% CI)	Observed P	Adjusted P	Placebo SNP OR (95% CI)	Bupropion SNP OR (95% CI)	Patch SNP OR (95% CI)	Spray SNP OR (95% CI)	Observed P	Adjusted P
rs5945185	FLNA	X	Female	0.10	374	0.66 (0.34-1.29)	0.21	0.50	0.73 (0.16-3.31)	0.83 (0.31-2.21)	NA	1.07 (0.31-3.74)	0.13	0.33
			Male	0.20	349	0.67 (0.34-1.34)	0.25	0.56	0.22 (0.03-1.82)	1.47 (0.51-4.27)	0.64 (0.16-2.47)	0.30 (0.04-2.48)	0.25	0.42
rs1064816	FLNA	X	Female	0.23	378	0.91 (0.60-1.39)	0.67	0.71	1.46 (0.67-3.19)	0.67 (0.32-1.42)	0.97 (0.34-2.76)	0.78 (0.31-1.95)	0.54	0.54
			Male	0.22	236	1.33 (0.40-4.44)	0.65	0.88	NA	2.40 (0.49-11.80)	1.20 (0.11-12.60)	NA	0.50	0.50
rs17428	FLNA	X	Female	0.24	383	0.89 (0.58-1.36)	0.59	0.85	0.60 (0.24-1.54)	0.91 (0.48-1.71)	0.54 (0.14-2.10)	1.65 (0.67-4.06)	0.39	0.70
			Male	0.19	354	0.68 (0.34-1.35)	0.26	0.55	0.25 (0.03-2.08)	1.51 (0.52-4.37)	0.58 (0.15-2.22)	0.29 (0.04-2.47)	0.27	0.43
			Female	0.22	379	0.93 (0.61-1.42)	0.73	0.73	1.55 (0.70-3.45)	0.69 (0.33-1.45)	0.97 (0.34-2.76)	0.78 (0.31-1.95)	0.51	0.52