

Supplementary Table 3. Regression analyses of *CHRNA3* and *CHRNA6* polymorphisms with NDSSF2, NDSSF3, NDSSF4 and NDSSF5 in smokers

Phenotype	Gene	Loci	All						Severe ND						Mild ND					
			C/C	C/R	R/R	P	C/C	C/R	R/R	P	C/C	C/R	R/R	P	C/C	C/R	R/R	P		
NDSSF2	<i>CHRNA3</i>	<i>rs13280604</i>	234 (6.06±3.06)	94 (5.45±2.43)	12 (5.83±3.46)	0.11	123 (6.44±3.28)	49 (6.27±2.45)	8 (5.63±3.50)	0.46	111 (5.64±2.76)	45 (4.56±2.08)	4 (6.25±3.86)	0.10						
		<i>rs16891561</i>	235 (6.06±3.06)	93 (5.44±2.44)	12 (5.83±3.46)	0.11	124 (6.44±3.27)	48 (6.27±2.47)	8 (5.63±3.50)	0.47	111 (5.64±2.76)	45 (4.56±2.08)	4 (6.25±3.86)	0.10						
		<i>rs4954</i>	266 (5.99±2.98)	67 (5.48±2.57)	7 (5.71±3.77)	0.24	144 (6.35±3.14)	30 (6.47±2.60)	6 (5.83±4.12)	0.89	122 (5.56±2.73)	37 (4.68±2.29)	1 (5.00)	0.08						
	<i>CHRNA6</i>	<i>rs9298628</i>	223 (6.00±2.99)	105 (5.70±2.79)	12 (5.33±2.87)	0.18	115 (6.30±3.15)	56 (6.57±2.92)	9 (5.67±3.28)	0.96	108 (5.67±2.78)	49 (4.71±2.30)	3 (4.33±0.58)	0.03						
		<i>rs16891604</i>	202 (5.76±2.81)	124 (6.04±3.01)	13 (6.38±3.86)	0.33	103 (6.20±2.99)	72 (6.53±3.12)	5 (7.00±4.53)	0.42	99 (5.29±2.55)	52 (5.37±2.72)	8 (6.00±3.66)	0.58						
		<i>rs10109040</i>	229 (5.99±2.97)	98 (5.66±2.81)	13 (5.69±3.04)	0.27	119 (6.30±3.13)	51 (6.53±2.94)	10 (6.10±3.38)	0.90	110 (5.65±2.76)	47 (4.72±2.35)	3 (4.33±0.58)	0.04						
	NDSSF3	<i>CHRNA3</i>	<i>ht1</i>	65 (5.97±3.02)	152 (5.88±3.01)	123 (5.84±2.77)	0.99	40 (6.28±3.00)	78 (6.72±3.25)	62 (5.95±2.88)	0.51	25 (5.48±3.06)	74 (5.00±2.46)	61 (5.72±2.68)	0.42					
			<i>rs13280604</i>	237 (6.39±2.10)	96 (6.46±2.05)	12 (6.50±1.51)	0.76	122 (6.16±2.21)	49 (6.00±2.13)	8 (6.88±1.55)	0.74	115 (6.63±1.96)	47 (6.94±1.86)	4 (5.75±1.26)	0.89					
			<i>rs16891561</i>	238 (6.38±2.10)	95 (6.48±2.04)	12 (6.50±1.51)	0.68	123 (6.15±2.21)	48 (6.04±2.13)	8 (6.88±1.55)	0.65	115 (6.63±1.96)	47 (6.94±1.86)	4 (5.75±1.26)	0.89					
		<i>CHRNA6</i>	<i>rs4954</i>	269 (6.40±2.10)	69 (6.43±1.97)	7 (6.57±1.99)	0.92	143 (6.16±2.20)	30 (5.93±2.03)	6 (7.00±1.79)	0.76	126 (6.67±1.94)	39 (6.82±1.86)	1 (4.00)	0.84					
<i>rs9298628</i>			225 (6.37±2.10)	107 (6.50±2.05)	13 (6.38±1.66)	0.69	114 (6.14±2.23)	56 (6.04±2.11)	9 (7.00±1.50)	0.61	111 (6.61±1.94)	51 (7.00±1.88)	4 (5.00±1.15)	0.99						
<i>rs16891604</i>			204 (6.38±2.16)	127 (6.41±1.92)	13 (6.85±2.15)	0.55	102 (6.03±2.21)	72 (6.24±2.11)	5 (7.40±1.52)	0.21	102 (6.74±2.05)	55 (6.64±1.61)	8 (6.50±2.51)	0.67						
NDSSF4		<i>CHRNA3</i>	<i>rs10109040</i>	231 (6.38±2.10)	100 (6.47±2.06)	14 (6.50±1.65)	0.69	118 (6.14±2.22)	51 (6.00±2.12)	10 (7.10±1.45)	0.52	113 (6.64±1.93)	49 (6.96±1.89)	4 (5.00±1.15)	0.84					
			<i>ht1</i>	67 (6.18±1.91)	155 (6.74±1.97)	123 (6.13±2.22)	0.44	40 (6.20±1.98)	78 (6.45±2.11)	61 (5.74±2.31)	0.18	27 (6.15±1.83)	77 (7.03±1.78)	62 (6.52±2.07)	0.73					
			<i>rs13280604</i>	237 (5.52±2.27)	95 (5.45±2.28)	12 (5.75±1.91)	0.54	122 (5.98±2.20)	49 (6.22±2.34)	8 (5.50±2.07)	0.80	115 (5.03±2.25)	46 (4.63±1.91)	4 (6.25±1.71)	0.58					
		<i>CHRNA6</i>	<i>rs16891561</i>	238 (5.52±2.26)	94 (5.45±2.29)	12 (5.75±1.91)	0.54	123 (5.98±2.19)	48 (6.23±2.36)	8 (5.50±2.07)	0.79	115 (5.03±2.25)	46 (4.63±1.91)	4 (6.25±1.71)	0.58					
	<i>rs4954</i>		269 (5.45±2.25)	68 (5.74±2.26)	7 (5.71±2.29)	0.41	143 (5.88±2.19)	30 (6.83±2.23)	6 (5.50±2.43)	0.25	126 (4.95±2.23)	38 (4.87±1.91)	1 (7.00)	0.96						
	<i>rs9298628</i>		225 (5.52±2.27)	106 (5.44±2.28)	13 (5.77±1.88)	0.52	114 (5.96±2.23)	56 (6.27±2.27)	9 (5.44±1.94)	0.97	111 (5.08±2.23)	50 (4.52±1.93)	4 (6.50±1.73)	0.35						
	NDSSF5	<i>CHRNA3</i>	<i>rs16891604</i>	203 (5.61±2.30)	127 (5.43±2.21)	13 (4.92±2.02)	0.12	102 (6.24±2.28)	72 (5.71±2.18)	5 (6.40±1.14)	0.13	101 (4.97±2.15)	55 (5.05±2.21)	8 (4.00±1.93)	0.54					
			<i>rs10109040</i>	231 (5.53±2.28)	99 (5.44±2.26)	14 (5.64±1.86)	0.54	118 (5.98±2.25)	51 (6.27±2.22)	10 (5.30±1.89)	0.82	113 (5.05±2.22)	48 (4.56±1.96)	4 (6.50±1.73)	0.50					
			<i>ht1</i>	67 (5.43±1.95)	154 (5.40±2.36)	123 (5.68±2.28)	0.08	40 (5.83±1.89)	78 (6.00±2.36)	61 (6.20±2.26)	0.21	27 (4.85±1.92)	76 (4.79±2.21)	62 (5.18±2.19)	0.26					
		<i>CHRNA6</i>	<i>rs13280604</i>	236 (5.95±2.05)	95 (6.02±1.97)	12 (6.00±2.09)	0.80	122 (6.41±1.94)	49 (6.57±2.03)	8 (7.00±1.60)	0.39	114 (5.46±2.05)	46 (5.43±1.73)	4 (4.00±1.41)	0.54					
<i>rs16891561</i>			237 (5.96±2.05)	94 (6.00±1.97)	12 (6.00±2.09)	0.86	123 (6.42±1.94)	48 (6.54±2.04)	8 (7.00±1.60)	0.45	114 (5.46±2.05)	46 (5.43±1.73)	4 (4.00±1.41)	0.54						
<i>rs4954</i>			268 (5.95±2.04)	68 (6.01±1.91)	7 (6.29±2.50)	0.57	143 (6.39±1.94)	30 (6.80±2.02)	6 (7.00±1.79)	0.23	125 (5.45±2.05)	38 (5.39±1.59)	1 (2.00)	0.60						
CHRNA6		<i>rs9298628</i>	<i>rs16891604</i>	224 (5.94±2.06)	106 (5.99±1.94)	13 (6.31±2.06)	0.69	114 (6.39±1.98)	56 (6.57±1.95)	9 (7.11±1.54)	0.28	110 (5.48±2.06)	50 (5.34±1.72)	4 (4.50±2.08)	0.53					
			<i>rs16891604</i>	203 (5.88±2.02)	126 (6.10±2.06)	13 (6.15±1.82)	0.35	102 (6.47±1.91)	72 (6.46±2.07)	5 (7.00±0.71)	0.82	101 (5.29±1.96)	54 (5.63±1.97)	8 (5.63±2.13)	0.31					
			<i>rs10109040</i>	230 (5.93±2.05)	99 (6.00±1.97)	14 (6.43±2.03)	0.53	118 (6.36±1.97)	51 (6.63±1.97)	10 (7.20±1.48)	0.16	112 (5.48±2.04)	48 (5.33±1.75)	4 (4.50±2.08)	0.50					
		<i>ht1</i>	67 (6.24±1.80)	153 (5.97±2.12)	123 (5.83±2.01)	0.25	40 (6.78±1.78)	78 (6.47±2.03)	61 (6.30±1.95)	0.23	27 (5.44±1.55)	75 (5.44±2.10)	62 (5.37±1.97)	0.72						

C/C, C/R, and R/R represent major homozygotes, heterozygotes and minor homozygotes, respectively. Pa, Pb, and Pc mean the p-values of co-dominant, dominant and recessive model, respectively. P means p-value of codominant model, ND: nicotine dependence, CHRN: cholinergic nicotinic receptor, NDSS: Nicotine Dependence Syndrome Scale