Supplementary Table 1

Smoking trajectories regressed on ADHD Symptoms, rs13280604/rs892413, and their interaction terms among non-Hispanic White subsample

	Non-Use vs. Use						*Number of Smoked*					
	Intercept		Slope		Quad		Intercept		Slope		Quad	
Model	*Est.*	*SE*	*Est.*	*SE*	*Est.*	*SE*	*Est.*	*SE*	*Est.*	*SE*	*Est.*	*SE*
#1												
Intercept	*NA*		-16.36*	7.16	7.65*	3.29	-0.30	1.08	0.35	2.64	0.04	1.42
HI	-0.20	0.27	0.32	0.99	-0.18	0.53	-0.09	0.08	0.48**	0.16	-0.28**	0.08
IN	0.15	0.23	-0.72	1.00	0.36	0.55	0.19*	0.08	-0.37**	0.14	0.21**	0.07
AA	-0.58	0.76	2.12	1.24	-1.10	0.66	-0.53	0.28	1.00	0.59	-0.54	0.27
AC	-0.44	1.78	-2.86	4.91	1.38	2.18	-0.12	0.40	0.16	0.99	-0.15	0.49
#2												
Intercept	*NA*		-17.50**	6.10	8.25**	2.88	-0.36	1.45	0.32	3.02	0.06	1.58
AA * HI	-2.71*	1.30	11.32	7.14	-12.19	6.95	0.02	0.23	-0.47	0.48	0.28	0.24
AC * HI	-2.31	1.21	10.49	6.88	-11.55	6.87	-0.06	0.21	-0.25	0.45	0.15	0.22
AA * IN	2.89	1.48	-26.95*	11.55	54.84	22.20	-0.95***	0.25	1.40*	0.54	-0.61**	0.23
AC * IN	2.47	1.45	-25.85*	11.53	53.97	22.20	-0.74**	0.27	1.18*	0.54	-0.50*	0.24
#3												
Intercept	*NA*		-19.79*	8.56	9.78*	4.24	-0.66	1.07	0.60	2.50	0.05	1.26
HI	-0.15	0.21	0.28	0.72	-0.16	0.39	-0.11	0.07	0.56**	0.16	-0.32***	0.07
IN	0.08	0.16	-0.46	0.69	0.20	0.40	0.21**	0.06	-0.34**	0.12	0.16**	0.06
AA	-0.43	0.81	6.60	5.05	-3.72	2.56	-0.50*	0.23	1.48*	0.63	-0.91**	0.33
AC	-0.80	0.89	7.23	4.66	-3.77	2.35	0.13	0.20	0.63	0.71	-0.48	0.41
#4												
Intercept	*NA*		-14.29	14.07	-29.09	23.57	0.75	1.23	0.31	3.14	0.25	1.70
AA * HI	1.55	1.89	-8.48	9.35	4.57	4.89	0.64*	0.28	-0.16	0.46	0.28	0.22
AC * HI	3.02	1.96	-12.17	9.51	6.51	4.98	0.72*	0.30	-0.10	0.47	0.32	0.23
AA * IN	-1.51	2.23	0.74	12.68	28.12	18.12	-0.11	0.34	-0.08	0.55	-0.06	0.22
AC * IN	-2.58	2.34	3.88	12.90	26.27	18.24	-0.27	0.34	0.02	0.53	-0.15	0.21

Note. Models 1 and 2 were results for SNP rs13280604 ($n = 534$) whereas models 3 and 4 ($n = 566$) were SNP rs892413. HI= Hyperactive-Impulsive symptoms. IN= Inattentive symptoms.* $p < .05$ ** $p < .01$ *** $p < .001$

Supplementary Table 2

Post hoc probing of interactions of rs13280604 variants at high and low levels of ADHD symptoms for non-Hispanic White subsample (*n* = 534)

	Non-Use vs. Use						**_Number of Smoked_**					
	Intercept		Slope		Quad		Intercept		Slope		Quad	
Condition	b	95% CI	b	95% CI	b	95% CI	b	95% CI	b	95% CI	b	95% CI
HI-High												
Intercept		NA	-18.43	-38.39, 1.53	8.88	-0.87, 18.64	0.42	-2.64, 3.47	0.85	-6.00, 7.71	-0.47	-3.85, 2.92
AA	-1.43	-5.70, 2.84	5.43	-7.48, 18.34	-2.97	-9.12, 3.18	-1.15	-2.69, 0.39	2.14	-1.59, 5.87	-0.89	-2.59, 0.81
AG	-0.65	-5.49, 4.19	3.26	-8.43, 14.95	-1.80	-6.96, 3.36	0.29	-1.45, 2.02	1.19	-2.58, 4.96	-0.41	-2.18, 1.37
HI-Low												
Intercept		NA	-24.78**	-40.89, -8.67	11.45**	3.14, 19.77	-0.57	-2.84, 1.69	-0.10	-5.31, 5.10	0.44	-2.29, 3.16
AA	-0.08	-2.68, 2.52	8.80	-2.29, 19.89	-4.09	-11.01, 2.84	-0.37	-0.97, 0.23	0.34	-1.02, 1.71	-0.32	-1.03, 0.39
AG	0.18	-2.77, 3.13	7.29	-2.79, 17.36	-3.25	-9.20, 2.69	-0.02	-0.99, 0.95	-0.47	-2.72, 1.77	0.18	-1.04, 1.39
IN-High												
Intercept		NA	-24.54**	-41.30, -7.78	10.87*	2.49, 19.25	2.55*	0.11, 4.99	-2.41	-8.09, 3.27	1.18	-1.58, 3.94
AA	-1.94	-4.49, 0.62	8.11	-2.89, 19.10	-3.08	-9.22, 3.06	-2.58*	-4.05, -1.12	3.49*	0.45, 6.53	-1.52*	-2.79, -0.25
AG	-1.58	-4.93, 1.78	7.02	-3.48, 17.52	-2.72	-8.41, 2.98	-1.19	-2.46, 0.07	2.45	-0.40, 5.31	-0.97	-2.29, 0.35
IN-Low												
Intercept		NA	-14.32	-30.45, 1.80	7.23	-0.44, 14.90	-1.48	-4.82, 1.87	2.45	-5.07, 9.97	-0.95	-5.10, 3.19
AA	1.71	-0.57, 3.99	1.78	-8.27, 11.83	-1.60	-6.72, 3.53	0.83	-0.04, 1.70	-0.62	-2.38, 1.15	0.18	-0.66, 1.02
AG	2.84	-0.66, 6.34	-1.64	-13.29, 10.01	0.42	-5.14, 5.98	1.47*	0.04, 2.90	-1.52	-4.04, 1.01	0.68	-0.49, 1.86

* $p < .05$ ** $p < .01$ *** $p < .001$.