

Supplementary Table S2. Lung Cancer Risk Effect Estimates in INHALE Samples for SNPs Included in the Polygenic Risk Score.

SNP	Whites		Blacks	
	OR (95% CI)	p-value	OR (95% CI)	p-value
chr1:77501822	1.31 (1.00,1.70)	0.0485	1.12 (0.57,2.20)	0.7437
chr1:78277321	1.24 (0.84,1.83)	0.2702	0.94 (0.35,2.52)	0.8949
chr1:154593749	0.87 (0.53,1.42)	0.5825	1.21 (0.34,4.39)	0.7683
chr1:168541843	0.93 (0.71,1.22)	0.6141	0.99 (0.67,1.45)	0.9532
chr2:44962598	0.95 (0.78,1.17)	0.6550	1.22 (0.75,1.96)	0.4192
chr2:139640758	1.17 (0.71,1.91)	0.5453	1.05 (0.78,1.40)	0.7658
chr2:173211033	1.00 (0.85,1.16)	0.9669	1.03 (0.83,1.28)	0.7742
chr4:66968056	1.05 (0.90,1.23)	0.5216	1.02 (0.81,1.27)	0.8876
chr4:163086840	0.92 (0.80,1.06)	0.2277	1.19 (0.99,1.44)	0.0707
chr5:1000041	1.49 (0.90,2.46)	0.1225	0.98 (0.67,1.42)	0.9072
chr5:1249701	0.62 (0.24,1.60)	0.3214	--	--
chr5:1276758	1.16 (1.01,1.33)	0.0374	1.04 (0.85,1.26)	0.7270
chr5:1285917	1.14 (0.53,2.46)	0.7382	3.10 (0.60,16.1)	0.1773
chr5:1287079	1.31 (1.14,1.51)	0.0001	1.09 (0.90,1.33)	0.3832
chr5:1293971	1.21 (1.01,1.44)	0.0361	1.04 (0.73,1.47)	0.8409
chr5:1300154	2.02 (1.10,3.71)	0.0236	2.80 (0.56,14.0)	0.2105
chr5:1321972	0.84 (0.74,0.97)	0.0146	0.88 (0.74,1.06)	0.1788
chr5:90954814	1.01 (0.83,1.22)	0.9279	0.87 (0.63,1.19)	0.3719
chr5:150741896	1.77 (0.95,3.29)	0.0740	2.17 (0.45,10.4)	0.3312
chr6:410848	0.86 (0.74,1.00)	0.0528	0.91 (0.72,1.15)	0.4421
chr6:25885586	1.26 (0.99,1.61)	0.0633	0.90 (0.74,1.09)	0.2769
chr6:28250019	0.87 (0.69,1.10)	0.2541	1.09 (0.84,1.42)	0.5221
chr6:29255716	0.90 (0.68,1.19)	0.4504	1.22 (0.77,1.93)	0.3941
chr6:29510044	0.98 (0.82,1.17)	0.8396	1.02 (0.85,1.22)	0.8224
chr6:29638984	0.97 (0.77,1.23)	0.8157	1.09 (0.62,1.93)	0.7660
chr6:29791973	1.03 (0.88,1.21)	0.6986	0.95 (0.77,1.17)	0.6119
chr6:30106386	1.00 (0.85,1.17)	0.9988	0.90 (0.68,1.19)	0.4508
chr6:30170385	1.05 (0.91,1.20)	0.5178	0.90 (0.75,1.08)	0.2781
chr6:30897052	0.97 (0.85,1.12)	0.6970	0.91 (0.76,1.08)	0.2813
chr6:31100075	1.01 (0.87,1.17)	0.9190	1.04 (0.85,1.28)	0.7047
chr6:31149800	0.91 (0.71,1.17)	0.4637	1.26 (0.96,1.67)	0.1010
chr6:31353652	0.93 (0.77,1.11)	0.4166	0.94 (0.71,1.24)	0.6749
chr6:31466334	0.80 (0.66,0.98)	0.0331	1.10 (0.79,1.54)	0.5664
chr6:31660956	0.96 (0.84,1.11)	0.6054	0.98 (0.75,1.28)	0.8632
chr6:31710997	1.08 (0.79,1.49)	0.6243	1.08 (0.84,1.40)	0.5416
chr6:32367427	0.96 (0.80,1.15)	0.6602	1.02 (0.77,1.34)	0.9160
chr6:32623148	0.96 (0.80,1.16)	0.6681	0.88 (0.67,1.16)	0.3630

chr6:32789960	1.04 (0.89,1.23)	0.6006	1.03 (0.83,1.27)	0.8139
chr6:32815309	0.96 (0.81,1.13)	0.6064	0.92 (0.73,1.16)	0.4790
chr6:71674838	1.09 (0.29,4.07)	0.8971	1.85 (0.11,30.6)	0.6677
chr7:130983859	0.97 (0.84,1.11)	0.6229	1.00 (0.83,1.20)	0.9964
chr8:27487202	1.03 (0.48,2.21)	0.9491	1.81 (0.22,14.7)	0.5792
chr8:27539570	1.15 (0.90,1.46)	0.2592	0.96 (0.71,1.31)	0.8035
chr8:32552592	0.86 (0.71,1.04)	0.1184	1.15 (0.91,1.45)	0.2432
chr9:17934122	0.83 (0.65,1.06)	0.1298	0.97 (0.59,1.59)	0.8965
chr9:22083405	0.99 (0.86,1.14)	0.9010	1.11 (0.93,1.33)	0.2647
chr9:133410109	0.40 (0.18,0.87)	0.0210	--	--
chr9:133638697	0.94 (0.82,1.08)	0.4063	0.94 (0.79,1.12)	0.5052
chr10:100251945	1.07 (0.76,1.50)	0.7015	0.89 (0.63,1.26)	0.5055
chr10:100912491	0.83 (0.57,1.21)	0.3380	0.39 (0.08,1.91)	0.2459
chr10:103927874	0.96 (0.77,1.20)	0.7303	0.87 (0.67,1.14)	0.3132
chr11:57482553	0.94 (0.66,1.34)	0.7146	1.89 (0.55,6.51)	0.3108
chr11:116128039	1.03 (0.45,2.34)	0.9494	--	--
chr11:118254910	1.14 (0.99,1.30)	0.0624	1.09 (0.90,1.31)	0.3864
chr12:889653	0.90 (0.76,1.06)	0.2170	1.00 (0.76,1.30)	0.9758
chr12:926876	0.99 (0.68,1.43)	0.9501	1.77 (0.63,4.96)	0.2801
chr13:32398489	0.60 (0.28,1.28)	0.1845	1.22 (0.19,7.86)	0.8348
chr13:83706928	1.43 (1.02,2.01)	0.0396	0.93 (0.70,1.22)	0.5920
chr15:43469998	0.96 (0.77,1.19)	0.6866	0.85 (0.70,1.03)	0.1034
chr15:49084427	0.77 (0.63,0.93)	0.0061	1.15 (0.76,1.75)	0.5128
chr15:70139434	1.17 (1.02,1.35)	0.0236	1.17 (0.97,1.41)	0.0959
chr15:74763478	1.07 (0.69,1.67)	0.7603	0.60 (0.27,1.31)	0.1988
chr15:78533575	1.18 (0.95,1.47)	0.1432	1.56 (0.72,3.36)	0.2567
chr15:78588410	1.16 (0.74,1.84)	0.5133	1.55 (0.39,6.11)	0.5347
chr15:78617056	0.82 (0.52,1.28)	0.3821	2.27 (0.54,9.62)	0.2647
chr15:78689081	0.59 (0.33,1.08)	0.0853	0.74 (0.26,2.05)	0.5571
chr15:78694883	0.86 (0.68,1.10)	0.2265	1.00 (0.76,1.32)	0.9828
chr15:78766388	0.82 (0.52,1.30)	0.3982	0.80 (0.32,2.01)	0.6397
chr15:78797392	1.28 (1.10,1.50)	0.0019	0.86 (0.64,1.17)	0.3452
chr15:78818441	1.34 (1.11,1.62)	0.0019	1.65 (0.91,2.97)	0.0966
chr15:78906418	5.99 (0.64,56.4)	0.1177	--	--
chr16:26969325	1.96 (0.21,18.7)	0.5588	0.37 (0.07,2.02)	0.2509
chr17:72303817	1.02 (0.87,1.20)	0.7886	0.99 (0.76,1.29)	0.9591
chr17:74942005	0.81 (0.67,0.97)	0.0212	1.02 (0.67,1.55)	0.9347
chr18:23161171	1.08 (0.72,1.62)	0.7006	1.29 (0.40,4.14)	0.6678
chr19:40701301	0.72 (0.50,1.05)	0.0875	0.18 (0.02,1.47)	0.1101
chr19:40833083	1.09 (0.91,1.31)	0.3595	0.97 (0.73,1.30)	0.8620
chr19:40906287	0.82 (0.46,1.47)	0.5089	1.45 (0.23,9.16)	0.6895

chr20:63895952	1.10 (0.85, 1.42)	0.4900	1.02 (0.75, 1.40)	0.8952
chr22:28725099	0.77 (0.30, 1.99)	0.5887	--	--

ORs are adjusted for age, sex, pack years, family history of lung cancer, history of COPD and the top five PCs. SNPs with ORs significant at $\alpha=0.05$ are in bold.