

Supplementary Table 1: Sample size for subgroup analysis in Table 3

	Total Sample Size		Family History of Lung Cancer in 1st Degree Relative		Family History of Lung Cancer in Father		Family History of Lung Cancer in Mother		Family History of Lung Cancer in Sibling	
	Case	Control	Affected Cases	Affected Controls	Affected Cases	Affected Controls	Affected Cases	Affected Controls	Affected Cases	Affected Controls
Overall	243380	23305	3705	1894	1456	958	734	412	1859	655
Proband Gender										
Male	13833	12529	1893	985	760	515	341	211	970	325
Female	10547	10776	1812	909	696	443	393	201	889	330
Proband Ethnicity										
White	20069	19303	3204	1673	1270	850	643	365	1598	581
Black/African American	1304	1691	143	92	52	41	29	21	72	36
Asian	1656	1282	201	85	81	43	35	19	98	25
Proband Histology										
Small cell carcinoma	2358	23305	321	1894	140	958	54	412	160	655
Non-small cell carcinoma	18616	23305	2939	1894	1134	958	579	412	1493	655
Squamous cell carcinoma	5781	23305	813	1894	308	958	127	412	446	655
Large cell carcinoma	1099	23305	183	1894	81	958	35	412	85	655
Adenocarcinoma	9285	23305	1510	1894	572	958	333	412	735	655
BAC	896	23305	127	1894	45	958	29	412	69	655
Non-small cell carcinoma, nos	1555	23305	306	1894	128	958	55	412	158	655
Carcinoma	1797	23305	254	1894	105	958	62	412	107	655
Carcinoid	347	23305	38	1894	13	958	11	412	17	655
Others/missing	1262	23305	153	1894	64	958	28	412	82	655
Proband Smoking Status										
Never Smokers	3301	8497	383	654	144	323	85	156	177	217
Ever Smokers	20961	14160	3319	1237	1311	633	648	256	1681	437
Former Smokers	7940	7836	1167	699	433	343	212	148	643	257
Current Smokers	9877	5287	1395	422	622	239	305	88	596	124
Proband Age at Onset										
<50	3175	5100	392	252	232	169	126	76	68	20
50+	21205	18205	3313	1642	1224	789	608	336	1791	635