



SUPPLEMENTARY MATERIAL

corresponding to:

**Lung cancer susceptibility genetic variants
modulate *HOXB2* expression in the lung**

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SUPPLEMENTARY TABLE 1

GENETIC ASSOCIATION OF 104 SNPs LOCATED IN THE FOUR *HOX* GENE CLUSTERS WITH LUNG CANCER

Gene cluster	SNP	Tested allele	Frequency cases	Frequency controls	P value	
HOXA	rs2522828	T	0.08929	0.08355	0.5737	
	rs2428432	T	0.2881	0.254	0.03415	
	rs2465275	A	0.1238	0.1077	0.1594	
	rs7811753	T	0.1202	0.1122	0.4881	
	rs4719884	A	0.2619	0.2627	0.9631	
	rs12533947	G	0.1845	0.185	0.9722	
	rs3757639	A	0.1333	0.13	0.7884	
	rs3757640	C	0.2774	0.2661	0.4864	
	rs983186	G	0.2393	0.2247	0.3438	
	rs2301721	C	0.1571	0.1521	0.7038	
	rs4722665	G	0.2917	0.3051	0.425	
	rs875898	A	0.1738	0.1655	0.5438	
	rs10259620	A	0.231	0.2087	0.1384	
	rs3801776	A	0.269	0.2587	0.5188	
	rs11773804	G	0.4345	0.4195	0.4082	
	rs2237336	T	0.4345	0.4157	0.2998	
	rs3779456	C	0.3845	0.4293	0.01377	
	rs6949451	T	0.5155	0.4695	0.01222	
	rs6970537	A	0.3845	0.4267	0.02009	
	rs7806799	A	0.1	0.09711	0.7909	
	rs6461992	A	0.06429	0.07061	0.4992	
	rs6968828	G	0.425	0.4232	0.9228	
	rs4722670	C	0.09048	0.09095	0.964	
	rs11984297	G	0.03837	0.0277	0.08429	
	rs2189239	T	0.09762	0.07619	0.03028	
	rs10233387	A	0.4905	0.4521	0.03643	
	rs2023843	C	0.07024	0.07043	0.9838	
	rs4722675	A	0.07024	0.07045	0.9817	
	rs929250	G	0.07024	0.07061	0.9683	
	rs3735533	T	0.07143	0.07032	0.9059	
	rs10228276	G	0.2036	0.1679	0.01005	
	rs13243033	T	0.2036	0.168	0.01042	
	HOXB	rs10853100	T	0.5429	0.4927	0.006295
		rs11079828	T	0.475	0.469	0.7454
		rs9905940	A	0.2345	0.2211	0.3782
		rs6504340	A	0.2345	0.2222	0.4189
		rs1042815	C	0.3976	0.3889	0.6247
		rs2229302	T	0.2095	0.19	0.178
		rs999493	C	0.3679	0.3894	0.2285
		rs890432	C	0.3167	0.3023	0.3963
		rs733920	T	0.1226	0.1494	0.03936
		rs2555111	G	0.4845	0.4913	0.7132
		rs2288278	G	0.3202	0.3388	0.2854
		rs9299	G	0.3619	0.3537	0.6405
		rs1529334	C	0.2107	0.1875	0.1067
		rs9221	G	0.06786	0.08786	0.05148
		rs15689	C	0.2869	0.2551	0.04791
rs890431		T	0.07143	0.09236	0.04641	
rs8844		A	0.05	0.05167	0.8371	
rs2303487		G	0.3905	0.3943	0.8304	
rs890435		G	0.3464	0.3651	0.2899	
rs2326017		T	0.2845	0.2993	0.3799	
rs7212669		G	0.07024	0.08921	0.06687	
rs11079833		T	0.04286	0.02863	0.02383	
rs8074700		A	0.2464	0.2679	0.1865	
rs3110608		G	0.1024	0.11	0.5058	
rs3110607		A	0.269	0.2972	0.09239	
rs12941331		T	0.1476	0.1515	0.7707	
rs8081391		A	0.1444	0.1284	0.1974	
rs4793972		C	0.1476	0.1568	0.4917	
rs4793974		C	0.2679	0.2771	0.5753	
rs8064938		A	0.1583	0.1614	0.8187	
rs3809773		T	0.2893	0.2864	0.8629	
rs9652867		T	0.1107	0.09981	0.3247	
rs4793601		C	0.4405	0.4525	0.5092	
rs1054072		C	0.4298	0.4367	0.7038	
rs9899142		T	0.1143	0.1371	0.06814	
rs3809771		G	0.0881	0.07352	0.1324	
rs4793980		A	0.125	0.1341	0.4664	

SUPPLEMENTARY TABLE 1 (CONTINUED)

GENETIC ASSOCIATION OF 104 SNPS LOCATED IN THE FOUR *HOX* GENE CLUSTERS WITH LUNG CANCER

Gene cluster	SNP	Tested allele	Frequency cases	Frequency controls	P value	
HOXC	rs2366144	C	0.3524	0.3514	0.9567	
	rs995901	G	0.1393	0.1538	0.2724	
	rs2366148	G	0.1476	0.1388	0.4897	
	rs4759058	C	0.3024	0.3171	0.389	
	rs1443512	A	0.2298	0.2513	0.174	
	rs1838173	T	0.1345	0.1595	0.06158	
	rs2366150	A	0.3675	0.3606	0.6958	
	rs2366151	G	0.3798	0.366	0.4368	
	rs11614913	T	0.3726	0.3975	0.1665	
	rs4759316	G	0.4595	0.4422	0.3416	
	rs2241820	C	0.425	0.4118	0.4646	
	rs12822416	A	0.1738	0.1679	0.6665	
	rs746423	T	0.1833	0.1693	0.3116	
	rs754133	T	0.3226	0.3514	0.09984	
	rs2630772	T	0.2964	0.2662	0.06362	
	rs4759062	T	0.269	0.2861	0.3033	
	rs1386016	A	0.3774	0.4185	0.02315	
	rs11608918	A	0.2071	0.2098	0.8602	
	rs2067554	T	0.4274	0.3746	0.003109	
	rs11170795	G	0.1	0.09914	0.9377	
	HOXD	rs6752623	A	0.144	0.1614	0.1977
		rs12474905	T	0.194	0.1955	0.9209
		rs3754983	A	0.09405	0.1281	0.004976
		rs847153	T	0.3186	0.3315	0.455
		rs711814	C	0.3024	0.3198	0.3089
		rs847146	G	0.3119	0.3213	0.5839
		rs6709104	A	0.2512	0.2624	0.4879
		rs711819	A	0.2262	0.2214	0.7516
		rs2113563	T	0.3536	0.3447	0.6104
		rs6736786	G	0.4036	0.4174	0.4447
		rs4972806	T	0.3524	0.3727	0.2511
		rs4972504	T	0.319	0.2997	0.2524
rs2301301		C	0.3262	0.3104	0.3522	
rs2072590		T	0.3274	0.307	0.2312	
rs1026032		C	0.256	0.247	0.5709	