

Supplementary Data S1 Association between each SNP related to SLE and risk of lung cancer and subtypes

	Exposure		Outcome	id.exposure	id.outcome	sample size	SNP	B	SE	P
1	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs10028805	1.45E-01	1.52E-01	3.41E-01
2	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs10774625	-5.97E-01	2.54E-01	1.88E-02
3	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs10911628	1.60E-01	8.91E-02	7.19E-02
4	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs11073328	3.16E-02	6.59E-02	6.32E-01
5	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs11644034	2.23E-01	1.43E-01	1.19E-01
6	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs11697848	6.23E-02	8.76E-02	4.77E-01
7	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs1170426	-4.01E-02	1.75E-01	8.19E-01
8	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs1270942	1.03E-01	5.92E-02	8.11E-02
9	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs12802200	-2.65E-01	1.83E-01	1.48E-01
10	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs17321999	-3.09E-01	1.99E-01	1.21E-01
11	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs17603856	4.36E-01	2.40E-01	6.99E-02
12	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs2070197	6.08E-03	6.89E-02	9.30E-01
13	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs2111485	1.77E-01	2.26E-01	4.34E-01
14	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs2286672	2.24E-01	2.34E-01	3.38E-01

15	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs2289583	2.35E-02	1.73E-01	8.92E-01
16	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs2736340	7.51E-02	1.00E-01	4.54E-01
17	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs3024505	-1.45E-01	2.33E-01	5.34E-01
18	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs34572943	-1.36E-01	7.89E-02	8.46E-02
19	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs3768792	-1.48E-02	1.82E-01	9.35E-01
20	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs3794060	1.01E-01	1.52E-01	5.04E-01
21	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs4917014	-3.25E-01	1.46E-01	2.66E-02
22	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs4948496	2.81E-01	2.16E-01	1.93E-01
23	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs597325	-3.40E-02	1.62E-01	8.34E-01
24	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs6762714	1.01E-01	2.15E-01	6.37E-01
25	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs6932056	-1.23E-01	1.26E-01	3.28E-01
26	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs704840	-3.24E-03	1.52E-01	9.83E-01
27	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs7726414	-8.97E-02	3.43E-01	7.94E-01
28	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs8023715	-3.06E-02	7.86E-02	6.97E-01
29	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs849142	-2.24E-01	1.51E-01	1.36E-01
30	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs9311676	-8.26E-01	1.83E-01	6.53E-01

	erythematosus							2	1	1
31	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs9652601	-5.15E-02	1.63E-01	7.53E-01
32	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	rs9782955	1.66E-01	2.06E-01	4.20E-01
33	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	All - Inverse variance weighted	1.29E-02	2.46E-02	5.99E-01
34	Systemic erythematosus	lupus	Lung adenocarcinoma    id:965	Ei3Vlp	965	18336	All - MR Egger	4.01E-02	4.34E-02	3.64E-01
35	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs10028805	7.14E-02	1.01E-01	4.78E-01
36	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs10774625	-1.13E-01	1.54E-01	4.63E-01
37	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs10911628	7.81E-02	5.74E-02	1.74E-01
38	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs11073328	2.09E-03	4.24E-02	9.61E-01
39	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs11644034	1.38E-02	9.53E-02	8.85E-01
40	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs11697848	9.21E-02	5.95E-02	1.22E-01
41	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs1170426	-2.52E-02	1.15E-01	8.27E-01
42	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs1270942	2.15E-01	4.10E-02	1.55E-07
43	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs12802200	-8.92E-02	1.16E-01	4.43E-01
44	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs17321999	-7.18E-02	1.25E-01	5.66E-01
45	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs17603856	2.20E-01	1.60E-01	1.68E-01

46	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs2070197	7.11E-02	4.60E-02	1.22E-01
47	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs2111485	3.13E-01	1.49E-01	3.50E-02
48	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs2286672	2.85E-01	1.52E-01	6.08E-02
49	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs2289583	2.19E-02	1.12E-01	8.45E-01
50	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs2736340	1.07E-01	6.60E-02	1.05E-01
51	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs3024505	-4.23E-02	1.54E-01	7.84E-01
52	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs34572943	-9.65E-02	5.42E-02	7.52E-02
53	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs3768792	4.43E-02	1.19E-01	7.11E-01
54	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs3794060	5.59E-02	9.73E-02	5.65E-01
55	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs4917014	-1.14E-01	9.96E-02	2.50E-01
56	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs4948496	-5.06E-02	1.34E-01	7.06E-01
57	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs597325	-9.68E-02	1.06E-01	3.63E-01
58	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs6762714	5.00E-02	1.39E-01	7.20E-01
59	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs6932056	-2.90E-02	8.77E-02	7.41E-01
60	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs704840	-3.61E-02	9.79E-02	7.13E-01
61	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs7726414	1.24E-01	2.29E-01	5.90E-01

	erythematosus							1	1	1
62	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs8023715	-2.20E-02	5.26E-02	6.76E-01
63	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs849142	-3.20E-02	1.02E-01	7.54E-01
64	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs9311676	-7.48E-02	1.21E-01	5.35E-01
65	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs9652601	-1.23E-01	1.06E-01	2.46E-01
66	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	rs9782955	1.67E-01	1.35E-01	2.17E-01
67	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	All - Inverse variance weighted	4.00E-02	1.84E-02	2.95E-02
68	Systemic erythematosus	lupus	Lung cancer    id:966	Ei3Vlp	966	27209	All - MR Egger	7.73E-02	3.18E-02	2.13E-02
69	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs10028805	4.09E-02	1.56E-01	7.93E-01
70	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs10774625	-3.13E-01	2.42E-01	1.95E-01
71	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs10911628	5.30E-02	8.74E-02	5.45E-01
72	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs11073328	5.75E-02	6.69E-02	3.90E-01
73	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs11644034	-1.81E-01	1.52E-01	2.33E-01
74	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs11697848	7.04E-02	9.03E-02	4.35E-01
75	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs1170426	1.03E-02	1.77E-01	9.54E-01
76	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs1270942	3.02E-01	6.76E-02	8.16E-06

77	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs12802200	-1.49E-03	1.76E-01	9.93E-01
78	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs17321999	-6.52E-02	1.92E-01	7.34E-01
79	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs17603856	-1.73E-01	2.57E-01	5.00E-01
80	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs2070197	8.16E-02	7.08E-02	2.49E-01
81	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs2111485	5.75E-01	2.36E-01	1.48E-02
82	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs2286672	2.95E-01	2.30E-01	2.00E-01
83	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs2289583	2.72E-01	1.78E-01	1.25E-01
84	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs2736340	1.07E-01	1.01E-01	2.91E-01
85	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs3024505	4.98E-02	2.38E-01	8.34E-01
86	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs34572943	-1.30E-01	8.17E-02	1.13E-01
87	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs3768792	-3.17E-02	1.79E-01	8.59E-01
88	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs3794060	6.13E-02	1.48E-01	6.79E-01
89	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs4917014	-6.68E-02	1.54E-01	6.64E-01
90	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs4948496	-4.88E-01	1.95E-01	1.24E-02
91	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs597325	-4.79E-02	1.62E-01	7.68E-01
92	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs6762714	8.07E-01	2.13E-01	7.05E-01

	erythematosus		id:967					2	1	1
93	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs6932056	2.21E-01	1.52E-01	1.44E-01
94	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs704840	8.67E-03	1.51E-01	9.54E-01
95	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs7726414	4.28E-01	3.58E-01	2.31E-01
96	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs8023715	8.58E-03	8.13E-02	9.16E-01
97	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs849142	-4.04E-02	1.56E-01	7.95E-01
98	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs9311676	1.91E-01	1.78E-01	2.82E-01
99	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs9652601	-2.26E-01	1.59E-01	1.54E-01
100	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	rs9782955	2.47E-01	2.05E-01	2.28E-01
101	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	All - Inverse variance weighted	5.60E-02	2.80E-02	4.51E-02
102	Systemic erythematosus	lupus	Squamous cell lung cancer    id:967	Ei3Vlp	967	18313	All - MR Egger	1.21E-01	4.83E-02	1.78E-02

SNP, single nucleotide polymorphism; B, beta; SE, standard error; P, P value; id, identification. Data citation: Wang Y. 2014; International Lung Cancer Consortium; <http://ilcco.iarc.fr/>; doi: 10.1038/ng.3002