

**Figure S1. Conditional association testing between SNPs in the *ARHGAP4-NAA10-RENBP* and *TMEM187-IRAK1-MECP2* region.** Five SNPs in the *ARHGAP4-NAA10-RENBP* region and six SNPs in the *TMEM187-IRAK1-MECP2* region were named as group 1 and group 2, respectively. The dashed line represents the significance level of  $P=0.05$ .

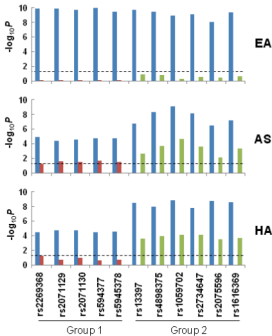
**Figure S2. Conditional association testing among six SLE-associated SNPs in the *TMEM187-IRAK1-MECP2* region.** Pairwisely LD value ( $r^2$ ) of the 6 SLE-associated SNPs are depicted in the upper panel.  $P$  value of other 5 SNPs after conditioning on the SNP shown as "\*" are shown in the lower panel. ND represents that these two SNPs were non-distinguishable in conditional testing.

Type of file: figure

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Filename: FigureS1.tif

- *P* value detected in association test
- *P* value after conditioning on 5 SNPs in group 1
- *P* value after conditioning on 6 SNPs in group 2

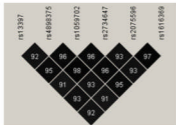


Type of file: figure

Label: S2

Filename: FigureS2.tif

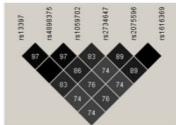
EA



P after conditioning on

	rs13397	rs4898375	rs1059702	rs2734647	rs2075596	rs1616369
rs13397	*	ND	ND	ND	ND	ND
rs4898375	ND	*	ND	ND	ND	ND
rs1059702	ND	ND	*	ND	ND	ND
rs2734647	ND	ND	ND	*	ND	ND
rs2075596	ND	ND	ND	ND	*	ND
rs1616369	ND	ND	ND	ND	ND	*

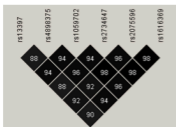
AA



P after conditioning on

	rs13397	rs4898375	rs1059702	rs2734647	rs2075596	rs1616369
rs13397	*	ND	ND	ND	0.94	0.99
rs4898375	ND	*	ND	ND	ND	ND
rs1059702	ND	ND	*	ND	ND	ND
rs2734647	ND	ND	ND	*	ND	ND
rs2075596	0.18	ND	ND	ND	*	ND
rs1616369	0.13	ND	ND	ND	ND	*

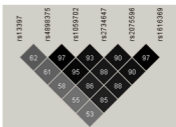
HA



P after conditioning on

	rs13397	rs4898375	rs1059702	rs2734647	rs2075596	rs1616369
rs13397	*	0.038	0.92	0.022	0.32	0.55
rs4898375	0.89	*	0.19	0.73	0.87	0.52
rs1059702	0.27	4.0E-03	*	1.6E-03	0.25	0.27
rs2734647	0.54	0.37	0.085	*	0.66	0.73
rs2075596	0.74	0.026	0.77	0.036	*	ND
rs1616369	0.49	0.011	0.79	0.053	ND	*

AS



P after conditioning on

	rs13397	rs4898375	rs1059702	rs2734647	rs2075596	rs1616369
rs13397	*	0.45	0.53	0.30	0.012	0.20
rs4898375	1.8E-03	*	ND	0.89	0.008	0.021
rs1059702	5.7E-04	ND	*	0.15	5.9E-04	7.5E-04
rs2734647	0.014	0.15	0.94	*	2.6E-04	0.10
rs2075596	0.020	0.47	0.24	0.043	*	ND
rs1616369	0.024	0.55	0.12	0.90	ND	*

Type of file: table

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**Table S1. Allelic association of 173 Xq28 SNPs with SLE in European Americans**

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=3,915)	CTRL (n=3,462)			
G	rs12156710	153150791	<i>L1CAM</i>	T	27.9%	25.3%	6.3E-03	1.12[1.03-1.21]	0.01
I	rs41311376	153150929	<i>L1CAM</i>	A	27.9%	25.2%	3.1E-03	1.13[1.04-1.22]	0.09
I	rs73627240	153151939		T	25.9%	23.4%	2.3E-03	1.14[1.05-1.24]	0.10
I	rs73627241	153152126		T	26.0%	23.4%	2.2E-03	1.14[1.05-1.24]	0.11
I	rs5945168	153152760		T	26.0%	23.5%	2.4E-03	1.14[1.05-1.24]	0.11
I	rs5987175	153153839		T	27.9%	25.2%	2.9E-03	1.13[1.04-1.23]	0.09
I	rs4898455	153154887		G	2.1%	1.8%	0.783	1.04[0.80-1.34]	--
I	rs4898456	153155214		T	26.0%	23.5%	2.8E-03	1.14[1.05-1.23]	0.10
I	rs12380966	153155987		T	2.1%	1.8%	0.748	1.04[0.81-1.35]	--
I	rs5945365	153156390		C	26.0%	23.5%	2.8E-03	1.14[1.05-1.23]	0.10
I	rs7060775	153157066		C	1.4%	1.0%	0.156	1.27[0.91-1.77]	--
G	rs7065317	153157722		A	2.3%	2.1%	0.886	1.02[0.80-1.29]	--
G	rs4898457	153158356		A	28.3%	25.3%	5.4E-04	1.15[1.06-1.25]	0.39
I	rs5945169	153162037		C	26.4%	23.7%	8.7E-04	1.15[1.06-1.25]	0.11
I	rs7052686	153162462		T	28.3%	25.4%	1.1E-03	1.14[1.06-1.24]	0.08
I	rs5945367	153164342		T	28.3%	25.3%	7.0E-04	1.15[1.06-1.25]	0.08
I	rs5945368	153165516		T	26.3%	23.5%	4.7E-04	1.16[1.07-1.26]	0.11
I	rs5945369	153165804		T	26.3%	23.5%	4.4E-04	1.16[1.07-1.26]	0.11
I	rs5945370	153165883		T	26.3%	23.5%	4.4E-04	1.16[1.07-1.26]	0.11
I	rs2872601	153166009		A	26.4%	23.5%	4.0E-04	1.16[1.07-1.26]	0.10
G	rs4898458	153167690		G	29.1%	26.2%	1.2E-03	1.14[1.05-1.23]	0.11
I	rs3761529	153168407	<i>AVPR2</i>	A	28.6%	25.8%	1.7E-03	1.14[1.05-1.23]	0.10
I	rs3761528	153168449	<i>AVPR2</i>	C	29.6%	26.5%	3.9E-04	1.16[1.07-1.25]	0.24
G	rs3761527	153168624	<i>AVPR2</i>	C	32.2%	29.4%	2.5E-03	1.13[1.04-1.22]	0.26
G	rs762655	153169480	<i>AVPR2</i>	C	32.6%	30.0%	6.7E-03	1.11[1.03-1.20]	0.14
G	rs5201	153171993	<i>AVPR2</i>	G	32.6%	29.7%	2.2E-03	1.13[1.04-1.22]	0.09
G	rs2070097	153176254	<i>ARHGAP4</i>	G	42.3%	38.8%	<b>1.1E-04</b>	1.15[1.07-1.24]	0.54
I	X-153180466	153180466	<i>ARHGAP4</i>	T	1.7%	1.6%	0.608	1.08[0.81-1.43]	--
I	X-153180638	153180638	<i>ARHGAP4</i>	A	1.7%	2.1%	0.159	0.83[0.64-1.08]	--
I	X-153184816	153184816	<i>ARHGAP4</i>	A	2.1%	2.4%	0.336	0.88[0.70-1.14]	--
I	rs2269368 <sup>c</sup>	153189819	<i>ARHGAP4</i>	T	18.1%	13.7%	<b>1.3E-10</b>	1.38[1.25-1.52]	0.98
I	rs4243543	153195884	<i>NAA10</i>	A	2.9%	3.2%	0.316	0.90[0.73-1.11]	--
G	rs2071129	153195921	<i>NAA10</i>	G	18.5%	14.1%	<b>1.3E-10</b>	1.38[1.25-1.52]	0.87
I	rs2071130	153196057	<i>NAA10</i>	C	18.1%	13.8%	<b>2.0E-10</b>	1.37[1.25-1.52]	0.99
I	rs2269370	153196429	<i>NAA10</i>	A	18.1%	13.8%	<b>1.7E-10</b>	1.38[1.25-1.52]	0.86
I	rs1557501	153197130	<i>NAA10</i>	T	21.3%	17.4%	<b>1.2E-07</b>	1.28[1.17-1.40]	0.87
I	rs3747308	153200020	<i>NAA10</i>	C	18.2%	13.9%	<b>3.9E-10</b>	1.37[1.24-1.51]	0.84
G	rs5945377	153201293	<i>RENBP</i>	C	18.4%	14.0%	<b>8.4E-11</b>	1.38[1.25-1.52]	0.86
I	rs5945378	153201441	<i>RENBP</i>	G	18.2%	14.0%	<b>3.6E-10</b>	1.37[1.24-1.51]	0.79
I	rs4898463	153203390	<i>RENBP</i>	G	20.7%	17.1%	<b>2.4E-07</b>	1.28[1.16-1.40]	0.72
G	rs2156929	153205370	<i>RENBP</i>	A	5.3%	5.8%	0.228	0.91[0.78-1.06]	--
I	rs78377269	153207037	<i>RENBP</i>	T	2.2%	2.6%	0.268	0.88[0.70-1.11]	--
I	rs2269372	153207545	<i>RENBP</i>	G	22.1%	18.1%	<b>5.6E-08</b>	1.28[1.17-1.40]	0.70
I	rs2269373	153207925	<i>RENBP</i>	A	22.3%	18.2%	<b>6.1E-08</b>	1.28[1.17-1.40]	0.63
I	rs4898465	153208140	<i>RENBP</i>	C	21.9%	17.9%	<b>8.7E-08</b>	1.28[1.17-1.40]	0.46

Type	SNP	Position	Gene	Tested allele	Frequency		P	Type	SNP
					SLE (n=3,915)	CTRL (n=3,462)			
I	rs3027869	153211538		A	22.0%	17.9%	<b>5.9E-08</b>	1.28[1.17-1.41]	0.44
I	rs762656	153211652		G	22.4%	18.3%	<b>3.6E-08</b>	1.29[1.18-1.41]	0.71
I	rs2071132	153216036	<i>HCFC1</i>	A	22.5%	18.3%	<b>3.6E-08</b>	1.29[1.18-1.41]	0.71
I	rs3027878	153218365	<i>HCFC1</i>	A	19.5%	14.9%	<b>3.1E-10</b>	1.36[1.24-1.50]	ND
I	rs762653	153218920	<i>HCFC1</i>	A	19.5%	14.9%	<b>2.9E-10</b>	1.36[1.24-1.50]	ND
I	rs2071133	153219665	<i>HCFC1</i>	T	22.2%	18.1%	<b>4.0E-08</b>	1.29[1.18-1.41]	0.48
I	rs1051152	153220360	<i>HCFC1</i>	G	22.6%	18.4%	<b>2.3E-08</b>	1.29[1.18-1.41]	0.77
I	rs730106	153221657	<i>HCFC1</i>	C	22.6%	18.5%	<b>2.5E-08</b>	1.29[1.18-1.41]	0.77
I	rs2071134	153222835	<i>HCFC1</i>	C	19.5%	15.0%	<b>4.1E-10</b>	1.36[1.23-1.49]	ND
I	rs17421	153225634	<i>HCFC1</i>	C	21.8%	17.6%	<b>1.2E-07</b>	1.28[1.17-1.40]	0.22
G	rs632	153226471	<i>HCFC1</i>	C	23.0%	18.8%	<b>3.5E-08</b>	1.28[1.17-1.40]	0.77
I	rs17422	153227426	<i>HCFC1</i>	G	22.6%	18.5%	<b>2.5E-08</b>	1.29[1.18-1.41]	0.67
I	rs59607260	153227770	<i>HCFC1</i>	A	22.2%	18.1%	<b>4.2E-08</b>	1.29[1.18-1.41]	0.48
I	rs2266886	153231352	<i>HCFC1</i>	C	22.5%	18.3%	<b>2.1E-08</b>	1.29[1.18-1.41]	0.60
I	rs80208125	153238220	<i>TMEM187</i>	G	22.4%	18.3%	<b>2.6E-08</b>	1.29[1.18-1.41]	0.57
I	rs6655268	153238288	<i>TMEM187</i>	C	22.5%	18.3%	<b>2.1E-08</b>	1.29[1.18-1.41]	0.58
I	rs2266887	153239587	<i>TMEM187</i>	T	22.4%	18.3%	<b>2.5E-08</b>	1.29[1.18-1.41]	0.56
I	rs2266888	153239720	<i>TMEM187</i>	A	22.1%	18.0%	<b>3.5E-08</b>	1.29[1.18-1.41]	0.43
I	rs4898374	153241386	<i>TMEM187</i>	T	22.0%	18.2%	<b>1.3E-07</b>	1.28[1.17-1.40]	0.42
I	rs61431378	153243136	<i>TMEM187</i>	T	22.0%	18.0%	<b>6.7E-08</b>	1.28[1.17-1.40]	0.36
I	rs57032784	153243138	<i>TMEM187</i>	A	22.0%	18.0%	<b>6.7E-08</b>	1.28[1.17-1.40]	0.36
I	rs5945172	153243315	<i>TMEM187</i>	G	22.3%	18.2%	<b>3.2E-08</b>	1.29[1.18-1.41]	0.54
I	rs12384878	153245128	<i>TMEM187</i>	G	22.0%	18.0%	<b>4.1E-08</b>	1.29[1.18-1.41]	0.42
I	rs113339491	153245217	<i>TMEM187</i>	A	21.9%	17.9%	<b>3.3E-08</b>	1.29[1.18-1.41]	0.48
I	X-153245474	153245474	<i>TMEM187</i>	T	2.1%	2.5%	0.355	0.89[0.71-1.14]	--
I	rs6643653	153246018	<i>TMEM187</i>	G	21.1%	17.4%	<b>3.8E-07</b>	1.27[1.16-1.39]	0.50
I	rs2266890	153247722	<i>TMEM187</i>	T	22.0%	18.0%	<b>3.1E-08</b>	1.29[1.18-1.41]	0.47
I	rs7350355	153247745	<i>TMEM187</i>	G	22.2%	18.2%	<b>2.5E-08</b>	1.29[1.18-1.41]	0.60
I	rs6571303	153247954	<i>TMEM187</i>	T	22.1%	18.0%	<b>2.5E-08</b>	1.29[1.18-1.41]	0.50
G	rs13397	153248248	<i>TMEM187</i>	A	18.8%	14.4%	<b>1.9E-10</b>	1.37[1.24-1.51]	*
I	rs5945173	153250172		A	22.0%	18.0%	<b>3.1E-08</b>	1.29[1.18-1.41]	0.53
I	rs6643808	153252147		C	23.0%	18.8%	<b>2.5E-08</b>	1.29[1.18-1.41]	0.86
I	rs6643809	153252908		C	23.0%	18.8%	<b>1.9E-08</b>	1.29[1.18-1.41]	0.85
I	rs6643656	153254605		G	22.0%	17.9%	<b>3.1E-08</b>	1.29[1.18-1.41]	0.52
I	rs6655269	153256435		A	21.4%	17.3%	<b>9.3E-09</b>	1.31[1.19-1.43]	0.98
I	rs5986947	153256505		C	21.5%	17.4%	<b>6.7E-09</b>	1.31[1.2-1.44]	0.98
I	rs12353692	153260032		G	22.6%	18.4%	<b>1.3E-08</b>	1.3[1.19-1.42]	0.81
I	rs5945384	153260414		C	22.6%	18.4%	<b>1.4E-08</b>	1.3[1.19-1.42]	0.81
I	rs11156610	153260745		C	22.6%	18.5%	<b>1.2E-08</b>	1.3[1.19-1.42]	0.81
I	X-153265345	153265345		G	3.2%	3.5%	0.593	0.94[0.78-1.15]	--
I	rs11795678	153265728		G	22.7%	18.5%	<b>1.0E-08</b>	1.30[1.19-1.42]	0.77
I	rs5986948	153266172		T	22.3%	18.3%	<b>5.3E-08</b>	1.28[1.17-1.40]	0.97
I	rs5945386	153269755		G	22.4%	18.4%	<b>3.8E-08</b>	1.29[1.18-1.41]	0.73
G	rs4898375	153273226		A	19.3%	14.8%	<b>3.9E-10</b>	1.36[1.23-1.49]	*
G	rs633	153274228		C	23.8%	19.8%	<b>1.5E-07</b>	1.26[1.16-1.37]	0.94
I	rs12400188	153275075		G	23.5%	19.5%	<b>1.2E-07</b>	1.26[1.16-1.38]	0.82
G	rs3027898	153275890		C	23.8%	19.9%	<b>3.4E-07</b>	1.25[1.15-1.36]	0.77



Type	SNP	Position	Gene	Tested allele	Frequency		P	Type	SNP
					SLE (n=3,915)	CTRL (n=3,462)			
I	rs731642	153277507	IRAK1	A	23.1%	19.1%	<b>1.0E-07</b>	1.27[1.16-1.39]	0.92
G	rs2239673 <sup>a</sup>	153277889	IRAK1	C	23.6%	19.5%	<b>1.3E-07</b>	1.26[1.16-1.38]	0.96
I	rs763737 <sup>a</sup>	153278307	IRAK1	G	23.5%	19.5%	<b>7.0E-08</b>	1.27[1.16-1.39]	0.99
I	rs1059703	153278829	IRAK1	G	19.5%	15.1%	<b>4.9E-10</b>	1.35[1.23-1.48]	ND
I	rs5945174 <sup>a</sup>	153279858	IRAK1	G	23.5%	19.5%	<b>6.9E-08</b>	1.27[1.16-1.39]	0.98
G	rs7061789 <sup>a</sup>	153280475	IRAK1	G	23.6%	19.5%	<b>1.3E-07</b>	1.26[1.16-1.38]	0.96
G	rs1059702	153284192	IRAK1	A	18.9%	14.6%	<b>1.2E-09</b>	1.35[1.22-1.48]	*
G	rs1059701	153284483	IRAK1	G	24.0%	19.7%	<b>3.9E-08</b>	1.27[1.17-1.39]	0.75
G	rs3027915	153287962	MECP2	G	3.2%	2.8%	0.485	1.08[0.88-1.32]	--
G	rs2734647	153292180	MECP2	T	19.2%	14.9%	<b>7.8E-10</b>	1.35[1.23-1.48]	*
I	rs3850326	153297010	MECP2	C	3.9%	4.2%	0.469	0.94[0.78-1.12]	--
G	rs2075596 <sup>b</sup>	153297392	MECP2	A	18.4%	14.4%	<b>9.0E-09</b>	1.33[1.21-1.46]	*
I	rs3027932	153298434	MECP2	G	3.8%	4.1%	0.576	0.95[0.79-1.14]	--
I	rs3027933 <sup>b</sup>	153298874	MECP2	G	18.5%	14.4%	<b>3.0E-09</b>	1.34[1.22-1.48]	ND
I	rs4898467	153299924	MECP2	G	22.5%	18.6%	<b>1.4E-07</b>	1.27[1.16-1.39]	0.93
I	X-153299971	153299971	MECP2	T	3.6%	3.9%	0.548	0.94[0.79-1.14]	--
I	X-153300033	153300033	MECP2	A	3.6%	3.9%	0.548	0.94[0.79-1.14]	--
I	rs5987194	153301467	MECP2	C	18.6%	14.4%	<b>2.7E-09</b>	1.34[1.22-1.48]	ND
I	rs1734790	153301653	MECP2	C	22.5%	18.6%	<b>1.4E-07</b>	1.27[1.16-1.39]	0.93
I	rs5987195	153301742	MECP2	G	3.6%	3.9%	0.548	0.94[0.78-1.14]	--
I	X-153301853	153301853	MECP2	T	3.1%	3.4%	0.430	0.93[0.76-1.12]	--
I	rs5987196	153301935	MECP2	A	3.6%	3.9%	0.548	0.94[0.78-1.14]	--
I	X-153302636	153302636	MECP2	C	4.4%	4.7%	0.538	0.95[0.80-1.12]	--
G	rs3027935	153304468	MECP2	T	5.8%	6.5%	0.121	0.89[0.77-1.03]	--
I	rs7887323	153305048	MECP2	C	4.4%	4.7%	0.536	0.95[0.80-1.12]	--
I	rs909131	153308227	MECP2	G	23.4%	19.6%	<b>4.1E-07</b>	1.25[1.15-1.37]	0.91
I	rs3027939	153310578	MECP2	G	4.4%	4.8%	0.383	0.93[0.79-1.10]	--
I	rs5987198	153311352	MECP2	A	4.4%	4.8%	0.383	0.93[0.79-1.10]	--
G	rs17435 <sup>b</sup>	153311980	MECP2	T	24.0%	19.8%	<b>3.6E-08</b>	1.28[1.17-1.39]	0.67
G	rs7050901	153314310	MECP2	T	4.1%	4.4%	0.562	0.95[0.80-1.13]	--
I	rs3027944	153316062	MECP2	G	4.5%	4.8%	0.454	0.94[0.79-1.11]	--
G	rs1624766 <sup>b</sup>	153317154	MECP2	C	23.2%	18.9%	<b>5.0E-08</b>	1.28[1.17-1.40]	0.77
I	rs5987199	153319087	MECP2	G	4.5%	4.8%	0.486	0.94[0.80-1.11]	--
I	rs5987200	153319119	MECP2	C	4.5%	4.8%	0.486	0.94[0.80-1.11]	--
I	rs112643842	153319757	MECP2	T	4.5%	4.8%	0.507	0.95[0.80-1.12]	--
I	rs112812100	153319857	MECP2	C	4.5%	4.8%	0.507	0.95[0.80-1.12]	--
I	rs12559567	153321043	MECP2	A	4.5%	4.8%	0.458	0.94[0.79-1.11]	--
G	rs7884370	153322881	MECP2	G	4.6%	4.9%	0.499	0.94[0.80-1.11]	--
G	rs1734787 <sup>b</sup>	153325446	MECP2	C	19.1%	14.7%	<b>6.4E-10</b>	1.35[1.23-1.49]	ND
I	rs1616369	153326464	MECP2	A	19.0%	14.6%	<b>4.2E-10</b>	1.36[1.23-1.49]	*
G	rs5987201	153330042	MECP2	T	4.6%	4.9%	0.500	0.94[0.80-1.11]	--
G	rs34834543	153330719	MECP2	T	4.6%	4.9%	0.499	0.94[0.80-1.11]	--
I	rs1734791 <sup>b</sup>	153330920	MECP2	T	19.2%	14.8%	<b>3.4E-10</b>	1.36[1.23-1.49]	ND
I	rs5986950	153331053	MECP2	G	4.5%	4.8%	0.475	0.94[0.80-1.11]	--
I	rs1734789	153331463	MECP2	G	23.7%	19.6%	<b>6.9E-08</b>	1.27[1.16-1.38]	0.91
I	rs4011489	153332155	MECP2	C	4.5%	4.8%	0.475	0.94[0.80-1.11]	--

Type	SNP	Position	Gene	Tested allele	Frequency		P	Type	SNP
					SLE (n=3,915)	CTRL (n=3,462)			
I	rs111398632	153334146	MECP2	A	3.7%	4.0%	0.424	0.93[0.77-1.12]	--
I	rs111881122	153334181	MECP2	T	3.7%	4.0%	0.424	0.93[0.77-1.12]	--
I	rs7052196	153334432	MECP2	T	3.7%	4.0%	0.424	0.93[0.77-1.12]	--
I	rs7877644	153338287	MECP2	A	3.7%	4.0%	0.425	0.93[0.77-1.12]	--
I	rs113881950	153340281	MECP2	A	3.7%	4.0%	0.425	0.93[0.77-1.12]	--
I	rs1734792 <sup>b</sup>	153341060	MECP2	A	19.2%	14.8%	<b>3.1E-10</b>	1.36[1.24-1.49]	ND
G	rs11156611	153344174	MECP2	A	4.6%	4.9%	0.450	0.94[0.79-1.11]	--
I	rs113162152	153346888	MECP2	T	3.7%	4.0%	0.436	0.93[0.77-1.12]	--
I	rs5987204	153347588	MECP2	A	3.7%	4.0%	0.436	0.93[0.77-1.12]	--
G	rs2239464 <sup>b</sup>	153348431	MECP2	A	23.1%	19.1%	<b>8.4E-08</b>	1.27[1.16-1.39]	0.79
G	rs5987205	153348586	MECP2	G	3.7%	4.1%	0.279	0.90[0.75-1.09]	--
G	rs5986954	153349295	MECP2	G	3.5%	3.7%	0.283	0.90[0.74-1.09]	--
I	rs5945393	153349428	MECP2	G	22.9%	18.8%	<b>3.5E-08</b>	1.28[1.17-1.40]	0.84
I	rs5986955	153349494	MECP2	G	3.7%	4.0%	0.466	0.93[0.78-1.12]	--
I	rs12390791	153355759	MECP2	A	3.7%	4.0%	0.487	0.94[0.78-1.13]	--
G	rs12390885	153356015	MECP2	A	3.7%	4.1%	0.314	0.91[0.76-1.09]	--
G	rs35609266	153358115	MECP2	T	3.8%	4.1%	0.338	0.91[0.76-1.10]	--
I	rs28458447	153359700	MECP2	C	4.5%	4.7%	0.648	0.96[0.81-1.14]	--
I	rs33976460	153360669	MECP2	A	3.7%	4.0%	0.523	0.94[0.78-1.13]	--
I	rs5987206	153366814		C	19.2%	14.8%	<b>2.5E-10</b>	1.36[1.24-1.50]	ND
I	X-153366830	153366830		C	4.5%	4.7%	0.648	0.96[0.81-1.14]	--
I	rs28781958	153366846		T	4.5%	4.7%	0.648	0.96[0.81-1.14]	--
I	rs28876812	153366850		T	4.5%	4.7%	0.648	0.96[0.81-1.14]	--
I	rs5987207	153366927		C	4.5%	4.7%	0.648	0.96[0.81-1.14]	--
I	rs5986956	153367689		A	3.7%	4.0%	0.523	0.94[0.78-1.13]	--
I	rs111354059	153368909		G	4.5%	4.7%	0.648	0.96[0.81-1.14]	--
I	rs112724831	153368930		G	4.5%	4.7%	0.648	0.96[0.81-1.14]	--
I	rs5987208	153369611		A	3.7%	4.0%	0.523	0.94[0.78-1.13]	--
I	rs5986957	153372505		T	19.2%	14.7%	<b>1.8E-10</b>	1.37[1.24-1.51]	ND
I	rs7058768	153372519		G	3.7%	4.0%	0.523	0.94[0.78-1.13]	--
I	X-153372840	153372840		T	3.7%	4.0%	0.523	0.94[0.78-1.14]	--
I	rs73629109	153373272		G	3.8%	4.0%	0.586	0.95[0.79-1.14]	--
I	rs5987211	153376055		T	4.5%	4.7%	0.648	0.96[0.81-1.14]	--
I	rs2872736	153376436		C	23.7%	19.5%	<b>3.4E-08</b>	1.28[1.17-1.39]	0.89
I	rs5987212	153378375		T	18.2%	14.0%	<b>1.1E-09</b>	1.36[1.23-1.50]	ND

If *P* reached the Bonferroni-corrected significance level of  $2.9 \times 10^{-4}$ , it is highlighted in bold and italic.

Type of file: table

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Filename: TableS2.doc

**Table S2. Allelic association of 157 Xq28 SNPs with SLE in Asians**

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,262)	CTRL (n=1,256)			
I	rs4646265	153137108	<i>L1CAM</i>	G	2.2%	2.9%	0.110	0.75[0.52-1.07]	--
I	rs4243542	153139884	<i>L1CAM</i>	A	2.2%	2.9%	0.110	0.75[0.52-1.07]	--
I	rs6655266	153145787	<i>L1CAM</i>	C	3.1%	3.9%	0.164	0.80[0.59-1.09]	--
I	rs5945360	153146216	<i>L1CAM</i>	G	3.1%	3.9%	0.164	0.80[0.59-1.09]	--
G	rs12156710	153150791	<i>L1CAM</i>	T	73.2%	70.2%	0.022	1.16[1.02-1.31]	0.62
I	rs41311376	153150929	<i>L1CAM</i>	A	75.0%	72.2%	0.040	1.14[1.01-1.30]	0.70
I	rs73627240	153151939		T	71.8%	68.2%	8.9E-03	1.18[1.04-1.33]	0.44
I	rs73627241	153152126		T	71.8%	68.2%	8.9E-03	1.18[1.04-1.33]	0.44
I	rs5945168	153152760		T	71.7%	68.2%	9.5E-03	1.18[1.04-1.33]	0.44
I	rs5987175	153153839		T	75.0%	72.3%	0.040	1.14[1.01-1.30]	0.74
I	rs4898455	153154887		G	3.3%	4.2%	0.086	0.77[0.57-1.04]	--
I	rs4898456	153155214		T	71.7%	68.2%	0.010	1.17[1.04-1.33]	0.43
I	rs12380966	153155987		T	3.3%	4.2%	0.086	0.77[0.57-1.04]	--
I	rs5945365	153156390		C	71.7%	68.2%	0.010	1.17[1.04-1.33]	0.40
I	rs7060775	153157066		C	3.3%	4.2%	0.086	0.77[0.57-1.04]	--
G	rs7065317	153157722		A	3.3%	4.3%	0.065	0.76[0.56-1.02]	--
G	rs4898457	153158356		A	74.5%	71.5%	0.025	1.16[1.02-1.31]	0.55
I	rs5945169	153162037		C	71.8%	68.0%	6.0E-03	1.19[1.05-1.34]	0.31
I	rs7052686	153162462		T	74.8%	71.9%	0.027	1.15[1.02-1.31]	0.69
I	rs7886319	153162986		G	74.9%	72.0%	0.031	1.15[1.01-1.31]	0.71
I	rs5987179	153163197		G	74.9%	72.0%	0.031	1.15[1.01-1.31]	0.71
I	rs5945367	153164342		T	74.8%	71.9%	0.030	1.15[1.01-1.31]	0.66
I	rs5945368	153165516		T	71.5%	67.7%	6.6E-03	1.18[1.05-1.34]	0.33
I	rs5945369	153165804		T	71.5%	67.7%	6.6E-03	1.18[1.05-1.34]	0.33
I	rs5945370	153165883		T	71.5%	67.7%	6.8E-03	1.18[1.05-1.34]	0.32
I	rs2872601	153166009		A	71.5%	67.7%	6.8E-03	1.18[1.05-1.34]	0.32
G	rs4898458	153167690		G	74.7%	72.0%	0.044	1.14[1.00-1.29]	0.49
I	rs12559136	153168154	<i>AVPR2</i>	A	3.1%	4.0%	0.082	0.76[0.56-1.04]	--
I	rs3761529	153168407	<i>AVPR2</i>	A	74.9%	72.0%	0.035	1.15[1.01-1.30]	0.66
I	rs3761528	153168449	<i>AVPR2</i>	C	74.9%	72.0%	0.035	1.15[1.01-1.30]	0.66
G	rs3761527	153168624	<i>AVPR2</i>	C	74.8%	72.0%	0.039	1.14[1.01-1.30]	0.63
G	rs762655	153169480	<i>AVPR2</i>	C	75.4%	72.7%	0.044	1.14[1.00-1.30]	0.69
G	rs5201	153171993	<i>AVPR2</i>	G	74.5%	71.8%	0.046	1.14[1.00-1.29]	0.60
G	rs2070097	153176254	<i>ARHGAP4</i>	G	75.4%	72.2%	0.014	1.18[1.03-1.34]	0.91
I	rs7881421	153176959	<i>ARHGAP4</i>	T	25.2%	28.5%	0.019	0.85[0.75-0.97]	0.91
I	rs4898460	153179936	<i>ARHGAP4</i>	A	24.0%	26.8%	0.038	0.87[0.76-0.99]	0.85
I	rs2301144	153180755	<i>ARHGAP4</i>	C	2.4%	3.5%	0.025	0.68[0.49-0.95]	0.96
I	rs5987181	153182563	<i>ARHGAP4</i>	A	23.8%	26.8%	0.026	0.86[0.75-0.98]	0.91
I	X-153188515	153188515	<i>ARHGAP4</i>	T	2.2%	2.8%	0.178	0.78[0.55-1.12]	--
I	rs2269368 <sup>c</sup>	153189819	<i>ARHGAP4</i>	T	71.6%	65.6%	<b>1.3E-05</b>	1.32[1.17-1.49]	0.06
I	X-153191293	153191293	<i>ARHGAP4</i>	T	1.9%	2.7%	0.074	0.71[0.49-1.03]	--
I	rs2071128	153195393	<i>NAA10</i>	A	71.5%	65.8%	<b>3.6E-05</b>	1.30[1.15-1.47]	0.03
I	rs4243543	153195884	<i>NAA10</i>	A	3.3%	3.8%	0.254	0.84[0.62-1.14]	--
G	rs2071129	153195921	<i>NAA10</i>	G	71.4%	65.9%	<b>4.1E-05</b>	1.29[1.14-1.46]	0.02
I	rs2071130	153196057	<i>NAA10</i>	C	71.7%	66.1%	<b>2.7E-05</b>	1.30[1.15-1.47]	0.03

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,262)	CTRL (n=1,256)			
I	rs2071131	153196345	<i>NAA10</i>	A	71.5%	65.7%	<b>2.4E-05</b>	1.31[1.15-1.48]	0.11
I	rs2269370	153196429	<i>NAA10</i>	A	71.7%	65.8%	<b>1.3E-05</b>	1.32[1.16-1.49]	0.13
I	rs1557501	153197130	<i>NAA10</i>	T	75.3%	70.3%	<b>1.4E-04</b>	1.29[1.13-1.47]	0.53
G	rs4898373	153198128	<i>NAA10</i>	C	2.7%	3.4%	0.098	0.76[0.55-1.05]	--
I	rs3747308	153200020	<i>NAA10</i>	C	71.8%	66.1%	<b>1.8E-05</b>	1.31[1.16-1.48]	0.03
G	rs5945377	153201293	<i>RENBP</i>	C	71.8%	66.0%	<b>1.7E-05</b>	1.31[1.16-1.48]	0.02
I	rs5945378	153201441	<i>RENBP</i>	G	71.8%	66.1%	<b>2.0E-05</b>	1.31[1.16-1.48]	0.03
I	rs4898463	153203390	<i>RENBP</i>	G	75.5%	70.4%	<b>1.3E-04</b>	1.29[1.13-1.47]	0.54
G	rs2156929	153205370	<i>RENBP</i>	A	3.7%	4.5%	0.128	0.80[0.60-1.07]	--
I	rs73640842	153206902	<i>RENBP</i>	A	2.6%	3.3%	0.113	0.76[0.54-1.07]	--
G	rs2269371	153207025	<i>RENBP</i>	C	2.6%	3.3%	0.098	0.75[0.54-1.05]	--
I	rs2269372	153207545	<i>RENBP</i>	G	81.6%	75.1%	<b>1.0E-07</b>	1.47[1.27-1.69]	0.47
I	rs2269373	153207925	<i>RENBP</i>	A	81.6%	75.1%	<b>1.0E-07</b>	1.47[1.27-1.69]	0.47
I	rs4898465	153208140	<i>RENBP</i>	C	81.6%	75.1%	<b>1.2E-07</b>	1.47[1.27-1.69]	0.47
I	rs3027869	153211538		A	81.5%	74.6%	<b>2.8E-08</b>	1.49[1.29-1.71]	0.45
I	rs762656	153211652		G	81.5%	74.6%	<b>2.8E-08</b>	1.49[1.29-1.71]	0.45
I	X-153211712	153211712		C	2.2%	2.2%	0.850	0.96[0.65-1.42]	--
G	rs3027871	153212440		A	33.8%	31.5%	0.092	1.11[0.98-1.25]	--
I	rs2071132	153216036	<i>HCFC1</i>	A	80.9%	74.0%	<b>1.3E-08</b>	1.49[1.30-1.71]	0.47
I	rs3027878	153218365	<i>HCFC1</i>	A	79.9%	73.1%	<b>2.6E-08</b>	1.47[1.29-1.69]	0.62
I	rs762653	153218920	<i>HCFC1</i>	A	79.9%	73.1%	<b>3.6E-08</b>	1.47[1.28-1.68]	0.66
I	rs2071133	153219665	<i>HCFC1</i>	T	80.9%	74.0%	<b>1.8E-08</b>	1.49[1.29-1.70]	0.60
I	rs1051152	153220360	<i>HCFC1</i>	G	80.9%	74.0%	<b>1.8E-08</b>	1.49[1.29-1.70]	0.60
I	rs730106	153221657	<i>HCFC1</i>	C	80.9%	74.0%	<b>1.6E-08</b>	1.49[1.30-1.71]	0.60
I	rs2071134	153222835	<i>HCFC1</i>	C	79.9%	73.1%	<b>3.2E-08</b>	1.47[1.28-1.68]	0.66
I	rs17421	153225634	<i>HCFC1</i>	C	80.9%	73.9%	<b>8.6E-09</b>	1.50[1.31-1.72]	0.47
G	rs632	153226471	<i>HCFC1</i>	C	80.7%	73.8%	<b>1.7E-08</b>	1.48[1.29-1.70]	0.55
I	rs17422	153227426	<i>HCFC1</i>	G	80.9%	73.8%	<b>7.3E-09</b>	1.50[1.31-1.72]	0.42
I	rs59607260	153227770	<i>HCFC1</i>	A	80.9%	73.8%	<b>7.3E-09</b>	1.50[1.31-1.72]	0.42
G	rs5945380	153230941	<i>HCFC1</i>	T	7.9%	11.0%	<b>1.8E-04</b>	0.68[0.56-0.83]	0.38
I	rs2266886	153231352	<i>HCFC1</i>	C	80.9%	73.8%	<b>7.1E-09</b>	1.50[1.31-1.72]	0.40
I	rs80208125	153238220	<i>TMEM187</i>	G	80.9%	73.8%	<b>5.1E-09</b>	1.51[1.31-1.73]	0.39
I	rs6655268	153238288	<i>TMEM187</i>	C	80.9%	73.8%	<b>5.1E-09</b>	1.51[1.31-1.73]	0.39
I	rs2266887	153239587	<i>TMEM187</i>	T	80.9%	73.8%	<b>5.6E-09</b>	1.50[1.31-1.73]	0.41
I	rs2266888	153239720	<i>TMEM187</i>	A	80.8%	73.8%	<b>6.2E-09</b>	1.50[1.31-1.72]	0.44
G	rs4898374	153241386	<i>TMEM187</i>	T	80.9%	73.5%	<b>1.2E-09</b>	1.53[1.34-1.76]	0.32
I	rs61431378	153243136	<i>TMEM187</i>	T	80.8%	73.8%	<b>5.8E-09</b>	1.50[1.31-1.73]	0.46
I	rs57032784	153243138	<i>TMEM187</i>	A	80.8%	73.8%	<b>5.8E-09</b>	1.50[1.31-1.73]	0.46
I	rs5945172	153243315	<i>TMEM187</i>	G	80.8%	73.8%	<b>5.8E-09</b>	1.50[1.31-1.73]	0.46
I	rs12384878	153245128	<i>TMEM187</i>	G	80.8%	73.7%	<b>6.0E-09</b>	1.50[1.31-1.73]	0.45
I	rs113339491	153245217	<i>TMEM187</i>	A	80.8%	73.7%	<b>6.0E-09</b>	1.50[1.31-1.73]	0.45
I	X-153245250	153245250	<i>TMEM187</i>	T	2.0%	2.7%	0.107	0.73[0.50-1.07]	--
I	rs6643653	153246018	<i>TMEM187</i>	G	81.9%	74.9%	<b>1.5E-08</b>	1.51[1.31-1.73]	0.50
I	rs2266890	153247722	<i>TMEM187</i>	T	76.8%	70.3%	<b>5.4E-07</b>	1.40[1.23-1.59]	0.30
I	rs7350355	153247745	<i>TMEM187</i>	G	76.8%	70.2%	<b>5.0E-07</b>	1.40[1.23-1.59]	0.29
I	rs6571303	153247954	<i>TMEM187</i>	T	76.7%	70.2%	<b>6.9E-07</b>	1.39[1.22-1.59]	0.31
G	rs13397	153248248	<i>TMEM187</i>	A	73.2%	66.3%	<b>1.8E-07</b>	1.39[1.23-1.58]	*

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,262)	CTRL (n=1,256)			
I	rs5945173	153250172		A	76.6%	70.2%	<b>9.0E-07</b>	1.39[1.22-1.58]	0.31
I	rs6643808	153252147		C	76.8%	70.6%	<b>1.8E-06</b>	1.38[1.21-1.57]	0.35
I	rs6643809	153252908		C	76.9%	70.6%	<b>1.5E-06</b>	1.38[1.21-1.57]	0.34
I	rs6655269	153256435		A	75.7%	68.9%	<b>6.4E-07</b>	1.39[1.22-1.59]	ND
I	rs5986947	153256505		C	75.7%	68.9%	<b>6.4E-07</b>	1.39[1.22-1.59]	ND
I	rs12353692	153260032		G	77.7%	71.4%	<b>1.4E-06</b>	1.39[1.22-1.59]	0.25
I	rs5945384	153260414		C	77.7%	71.4%	<b>1.3E-06</b>	1.39[1.22-1.59]	0.25
I	rs11156610	153260745		C	77.7%	71.4%	<b>1.3E-06</b>	1.39[1.22-1.59]	0.25
I	X-153264541	153264541		T	3.6%	3.0%	0.162	1.25[0.91-1.71]	--
I	rs11795678	153265728		G	84.3%	76.7%	<b>1.8E-10</b>	1.62[1.39-1.87]	ND
I	rs5986948	153266172		T	84.3%	76.7%	<b>1.8E-10</b>	1.62[1.39-1.87]	ND
I	rs5945386	153269755		G	84.1%	76.8%	<b>4.6E-10</b>	1.60[1.38-1.85]	ND
I	X-153271528	153271528		A	4.6%	3.9%	0.202	1.20[0.91-1.59]	--
G	rs4898375	153273226		A	82.1%	75.2%	<b>5.2E-09</b>	1.52[1.32-1.75]	*
G	rs633	153274228		C	83.5%	76.6%	<b>2.6E-09</b>	1.55[1.34-1.79]	0.34
I	rs12400188	153275075		G	83.7%	76.6%	<b>1.7E-09</b>	1.56[1.35-1.80]	0.30
G	rs3027898	153275890		C	83.4%	76.4%	<b>2.3E-09</b>	1.55[1.34-1.79]	0.28
I	rs731642	153277507	<i>IRAK1</i>	A	83.6%	76.4%	<b>8.7E-10</b>	1.58[1.36-1.82]	ND
G	rs2239673 <sup>a</sup>	153277889	<i>IRAK1</i>	C	83.5%	76.4%	<b>1.3E-09</b>	1.57[1.35-1.81]	0.35
I	rs763737 <sup>a</sup>	153278307	<i>IRAK1</i>	G	83.7%	76.7%	<b>1.5E-09</b>	1.56[1.35-1.81]	0.29
I	rs1059703	153278829	<i>IRAK1</i>	G	82.6%	75.7%	<b>4.3E-09</b>	1.53[1.33-1.77]	ND
I	rs5945174 <sup>a</sup>	153279858	<i>IRAK1</i>	G	83.8%	76.7%	<b>1.1E-09</b>	1.57[1.36-1.82]	0.29
G	rs7061789 <sup>a</sup>	153280475	<i>IRAK1</i>	G	83.9%	77.3%	<b>1.0E-08</b>	1.53[1.32-1.77]	0.22
G	rs1059702	153284192	<i>IRAK1</i>	A	82.1%	74.9%	<b>8.2E-10</b>	1.56[1.35-1.79]	*
G	rs1059701	153284483	<i>IRAK1</i>	G	83.4%	76.4%	<b>2.5E-09</b>	1.55[1.34-1.79]	0.24
G	rs2734647	153292180	<i>MECP2</i>	T	81.3%	74.5%	<b>7.9E-09</b>	1.51[1.32-1.74]	*
G	rs3813458	153293415	<i>MECP2</i>	C	4.8%	4.1%	0.171	1.21[0.92-1.59]	--
G	rs2075596 <sup>b</sup>	153297392	<i>MECP2</i>	A	81.6%	75.6%	<b>3.0E-07</b>	1.44[1.25-1.66]	*
G	rs2075597	153297636	<i>MECP2</i>	C	7.6%	11.2%	<b>2.9E-05</b>	0.65[0.53-0.80]	0.22
I	rs3027933 <sup>b</sup>	153298874	<i>MECP2</i>	G	81.8%	75.6%	<b>1.8E-07</b>	1.45[1.26-1.67]	ND
I	rs4898467	153299924	<i>MECP2</i>	G	83.0%	76.7%	<b>8.0E-08</b>	1.48[1.28-1.71]	ND
I	rs5987194	153301467	<i>MECP2</i>	C	81.6%	75.4%	<b>2.4E-07</b>	1.45[1.26-1.67]	ND
I	rs1734790	153301653	<i>MECP2</i>	C	82.6%	76.4%	<b>1.5E-07</b>	1.47[1.27-1.70]	ND
G	rs3027935	153304468	<i>MECP2</i>	T	1.0%	0.9%	0.807	1.07[0.61-1.90]	--
I	rs909131	153308227	<i>MECP2</i>	G	82.9%	76.3%	<b>3.6E-08</b>	1.50[1.30-1.73]	ND
G	rs17435 <sup>b</sup>	153311980	<i>MECP2</i>	T	82.4%	75.3%	<b>2.7E-09</b>	1.53[1.33-1.76]	ND
G	rs7050901	153314310	<i>MECP2</i>	T	1.0%	1.0%	0.930	1.03[0.58-1.80]	--
G	rs1624766 <sup>b</sup>	153317154	<i>MECP2</i>	C	82.2%	76.5%	<b>1.5E-06</b>	1.42[1.23-1.64]	ND
G	rs7884370	153322881	<i>MECP2</i>	G	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
G	rs1734787 <sup>b</sup>	153325446	<i>MECP2</i>	C	82.3%	75.6%	<b>1.6E-08</b>	1.50[1.31-1.73]	ND
I	rs1616369	153326464	<i>MECP2</i>	A	82.5%	76.1%	<b>6.8E-08</b>	1.48[1.28-1.71]	*
G	rs5987201	153330042	<i>MECP2</i>	T	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
G	rs34834543	153330719	<i>MECP2</i>	T	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs1734791 <sup>b</sup>	153330920	<i>MECP2</i>	T	82.4%	76.0%	<b>5.7E-08</b>	1.49[1.29-1.71]	ND
I	rs5986950	153331053	<i>MECP2</i>	G	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs1734789	153331463	<i>MECP2</i>	G	83.5%	77.0%	<b>3.3E-08</b>	1.51[1.30-1.74]	ND

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,262)	CTRL (n=1,256)			
I	rs4011489	153332155	MECP2	C	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs111398632	153334146	MECP2	A	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs111881122	153334181	MECP2	T	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs7052196	153334432	MECP2	T	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs7877644	153338287	MECP2	A	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs113881950	153340281	MECP2	A	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs1734792 <sup>b</sup>	153341060	MECP2	A	82.3%	75.7%	<b>3.8E-08</b>	1.50[1.30-1.73]	ND
G	rs11156611	153344174	MECP2	A	1.0%	1.0%	0.958	0.99[0.57-1.70]	--
I	rs113162152	153346888	MECP2	T	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs5987204	153347588	MECP2	A	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
G	rs2239464 <sup>b</sup>	153348431	MECP2	A	83.2%	76.8%	<b>5.3E-08</b>	1.49[1.29-1.72]	ND
G	rs5987205	153348586	MECP2	G	1.0%	1.0%	0.922	1.03[0.59-1.81]	--
G	rs5986954	153349295	MECP2	G	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs5945393	153349428	MECP2	G	83.4%	76.9%	<b>2.3E-08</b>	1.51[1.31-1.74]	ND
I	rs5986955	153349494	MECP2	G	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
I	rs12390791	153355759	MECP2	A	1.0%	1.0%	0.923	1.03[0.59-1.80]	--
G	rs12390885	153356015	MECP2	A	1.0%	1.0%	0.926	1.03[0.59-1.80]	--
G	rs35609266	153358115	MECP2	T	1.0%	1.0%	0.934	1.02[0.58-1.80]	--
I	rs2872736	153376436		C	83.3%	76.7%	<b>3.0E-08</b>	1.51[1.31-1.75]	ND

If *P* reached the Bonferroni-corrected significance level of  $2.9 \times 10^{-4}$ , it is highlighted in bold and italic.

Type of file: table

Label: S3

Filename: TableS3.doc



**Table S3. Allelic association of 136 Xq28 SNPs with SLE in Hispanics enriched for the Amerindian-European admixture**

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,487)	CTRL (n=807)			
I	rs4646264	153140354	<i>L1CAM</i>	G	5.6%	4.7%	0.423	1.13[0.84-1.51]	--
I	rs7055451	153142315	<i>L1CAM</i>	C	5.6%	4.7%	0.423	1.13[0.84-1.51]	--
I	rs5945360	153146216	<i>L1CAM</i>	G	7.2%	6.4%	0.662	1.06[0.82-1.37]	--
I	rs5945362	153147267	<i>L1CAM</i>	T	6.2%	4.8%	0.163	1.23[0.92-1.64]	--
G	rs12156710	153150791	<i>L1CAM</i>	T	59.1%	52.0%	6.4E-03	1.19[1.05-1.35]	0.61
I	rs5987175	153153839		T	61.1%	54.9%	0.039	1.15[1.01-1.31]	0.23
I	rs4898455	153154887		G	7.2%	6.4%	0.671	1.06[0.82-1.36]	--
I	rs7060775	153157066		C	7.5%	6.7%	0.813	1.03[0.81-1.32]	--
G	rs7065317	153157722		A	7.6%	7.0%	0.902	1.02[0.80-1.29]	--
G	rs4898457	153158356		A	61.3%	54.8%	0.022	1.16[1.02-1.32]	0.46
I	rs5945169	153162037		C	54.2%	48.5%	0.043	1.14[1.01-1.30]	0.04
I	rs7052686	153162462		T	61.6%	55.0%	0.026	1.16[1.02-1.32]	0.42
I	rs7886319	153162986		G	61.5%	54.7%	0.019	1.17[1.03-1.33]	0.49
I	rs5987179	153163197		G	61.5%	54.7%	0.020	1.17[1.03-1.33]	0.50
I	rs5945367	153164342		T	61.7%	55.0%	0.025	1.16[1.02-1.32]	0.46
G	rs4898458	153167690		G	61.6%	54.4%	5.0E-03	1.20[1.06-1.37]	0.67
I	rs12559136	153168154	<i>AVPR2</i>	A	6.2%	4.8%	0.174	1.22[0.92-1.62]	--
I	rs3761528	153168449	<i>AVPR2</i>	C	63.1%	56.0%	7.4E-03	1.19[1.05-1.36]	0.55
G	rs3761527	153168624	<i>AVPR2</i>	C	64.9%	58.3%	0.015	1.18[1.03-1.34]	0.56
G	rs762655	153169480	<i>AVPR2</i>	C	65.2%	58.8%	0.021	1.17[1.02-1.33]	0.48
G	rs5201	153171993	<i>AVPR2</i>	G	65.3%	58.7%	0.017	1.17[1.03-1.34]	0.52
I	rs5202	153172059	<i>AVPR2</i>	T	6.3%	4.9%	0.187	1.21[0.91-1.61]	--
G	rs2070097	153176254	<i>ARHGAP4</i>	G	68.1%	62.4%	0.044	1.15[1.00-1.31]	0.02
I	X-153188515	153188515	<i>ARHGAP4</i>	T	4.6%	3.2%	0.233	1.23[0.88-1.71]	--
I	rs2269368 <sup>c</sup>	153189819	<i>ARHGAP4</i>	T	52.3%	42.5%	<b>3.4E-05</b>	1.32[1.16-1.50]	0.05
I	X-153191293	153191293	<i>ARHGAP4</i>	T	2.8%	1.8%	0.164	1.36[0.88-2.11]	--
I	rs2269369	153192433		A	13.2%	8.7%	1.9E-03	1.39[1.13-1.71]	0.28
I	rs2071128	153195393	<i>NAA10</i>	A	49.3%	37.8%	<b>8.7E-08</b>	1.44[1.26-1.65]	0.38
I	rs4243543	153195884	<i>NAA10</i>	A	5.3%	5.2%	0.508	0.91[0.69-1.20]	--
G	rs2071129	153195921	<i>NAA10</i>	G	52.5%	42.8%	<b>1.9E-05</b>	1.32[1.16-1.50]	0.19
I	rs2071130	153196057	<i>NAA10</i>	C	52.6%	42.8%	<b>1.9E-05</b>	1.32[1.16-1.51]	0.11
I	rs2071131	153196345	<i>NAA10</i>	A	49.3%	37.7%	<b>5.5E-08</b>	1.45[1.27-1.66]	0.32
G	rs4898373	153198128	<i>NAA10</i>	C	4.6%	3.5%	0.384	1.15[0.84-1.60]	--
G	rs5945377	153201293	<i>RENBP</i>	C	53.3%	43.6%	<b>3.2E-05</b>	1.31[1.16-1.49]	0.22
I	rs5945378	153201441	<i>RENBP</i>	G	53.5%	43.9%	<b>2.9E-05</b>	1.32[1.16-1.50]	0.19
G	rs2156929	153205370	<i>RENBP</i>	A	6.3%	7.0%	0.105	0.81[0.64-1.04]	--
I	rs73640842	153206902	<i>RENBP</i>	A	5.5%	4.4%	0.496	1.11[0.83-1.48]	--
G	rs2269371	153207025	<i>RENBP</i>	C	5.7%	4.7%	0.695	1.06[0.80-1.41]	--
I	rs78377269	153207037	<i>RENBP</i>	T	0.7%	1.7%	5.0E-03	0.43[0.23-0.77]	0.04
G	rs3027871	153212440		A	13.5%	9.3%	4.1E-03	1.35[1.10-1.65]	0.43
I	X-153217701	153217701	<i>HCFC1</i>	A	0.7%	1.7%	4.8E-03	0.42[0.23-0.77]	0.04
I	rs12388844	153228607	<i>HCFC1</i>	T	3.6%	4.9%	0.023	0.69[0.50-0.95]	0.29
I	rs12392452	153229913	<i>HCFC1</i>	G	3.6%	5.0%	0.018	0.68[0.50-0.94]	0.25
G	rs5945380	153230941	<i>HCFC1</i>	T	1.2%	1.6%	0.147	0.68[0.40-1.15]	0.27
G	rs4898374	153241386	<i>TMEM187</i>	T	56.4%	43.9%	<b>5.6E-09</b>	1.48[1.30-1.69]	0.03

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,487)	CTRL (n=807)			
I	X-153245250	153245250	<i>TMEM187</i>	T	3.0%	1.8%	0.069	1.50[0.97-2.33]	--
G	rs13397	153248248	<i>TMEM187</i>	A	50.1%	38.0%	<b>3.0E-09</b>	1.48[1.30-1.69]	*
G	rs4898375	153273226		A	52.3%	40.3%	<b>1.2E-08</b>	1.46[1.28-1.67]	*
G	rs633	153274228		C	56.8%	46.2%	<b>1.3E-06</b>	1.37[1.21-1.56]	0.53
I	rs12400188	153275075		G	56.9%	46.4%	<b>2.3E-06</b>	1.37[1.20-1.55]	0.42
G	rs3027898	153275890		C	56.5%	46.3%	<b>5.5E-06</b>	1.35[1.19-1.54]	0.43
I	rs731642	153277507	<i>IRAK1</i>	A	55.5%	44.8%	<b>1.9E-06</b>	1.37[1.21-1.57]	0.34
G	rs2239673 <sup>a</sup>	153277889	<i>IRAK1</i>	C	56.4%	46.3%	<b>7.3E-06</b>	1.34[1.18-1.53]	0.46
I	rs763737 <sup>a</sup>	153278307	<i>IRAK1</i>	G	56.9%	46.5%	<b>2.5E-06</b>	1.36[1.20-1.55]	0.57
I	rs1059703	153278829	<i>IRAK1</i>	G	54.7%	43.5%	<b>2.8E-07</b>	1.41[1.24-1.60]	0.73
G	rs3027906	153278971	<i>IRAK1</i>	A	0.9%	1.4%	0.069	0.58[0.33-1.04]	--
I	rs5945174 <sup>a</sup>	153279858	<i>IRAK1</i>	G	56.9%	46.5%	<b>3.4E-06</b>	1.36[1.19-1.55]	0.53
G	rs7061789 <sup>a</sup>	153280475	<i>IRAK1</i>	G	56.8%	46.7%	<b>6.8E-06</b>	1.34[1.18-1.53]	0.28
G	rs1059702	153284192	<i>IRAK1</i>	A	51.0%	38.7%	<b>1.5E-09</b>	1.49[1.31-1.70]	*
G	rs1059701	153284483	<i>IRAK1</i>	G	58.2%	49.0%	<b>9.0E-05</b>	1.30[1.14-1.48]	0.09
G	rs3027915	153287962	<i>MECP2</i>	G	1.4%	2.4%	0.115	0.69[0.43-1.10]	--
I	rs2734643	153291187	<i>MECP2</i>	T	1.4%	2.3%	0.024	0.58[0.37-0.93]	0.14
G	rs2734647	153292180	<i>MECP2</i>	T	51.3%	39.4%	<b>1.7E-08</b>	1.46[1.28-1.66]	*
I	rs3027925	153295191	<i>MECP2</i>	T	1.1%	1.7%	0.016	0.52[0.31-0.89]	ND
G	rs2075596 <sup>b</sup>	153297392	<i>MECP2</i>	A	49.7%	37.4%	<b>1.8E-09</b>	1.50[1.31-1.71]	*
G	rs2075597	153297636	<i>MECP2</i>	C	5.1%	3.9%	0.248	1.20[0.88-1.64]	--
I	rs3027932	153298434	<i>MECP2</i>	G	4.9%	7.6%	<b>7.9E-05</b>	0.60[0.46-0.77]	0.07
I	rs12557066	153299520	<i>MECP2</i>	G	1.1%	1.7%	0.016	0.52[0.31-0.88]	ND
I	rs4898467	153299924	<i>MECP2</i>	G	56.1%	46.5%	<b>9.0E-05</b>	1.30[1.14-1.48]	0.03
I	X-153299971	153299971	<i>MECP2</i>	T	3.5%	5.1%	2.0E-03	0.62[0.46-0.84]	0.28
I	X-153300033	153300033	<i>MECP2</i>	A	3.5%	5.1%	2.0E-03	0.62[0.46-0.84]	0.28
I	rs1734790	153301653	<i>MECP2</i>	C	56.1%	46.5%	<b>9.0E-05</b>	1.30[1.14-1.48]	0.02
I	rs5987195	153301742	<i>MECP2</i>	G	3.5%	5.1%	2.0E-03	0.62[0.46-0.84]	0.28
I	rs5987196	153301935	<i>MECP2</i>	A	3.5%	5.1%	2.0E-03	0.62[0.46-0.84]	0.28
I	X-153302636	153302636	<i>MECP2</i>	C	4.8%	6.7%	2.6E-03	0.66[0.51-0.87]	0.37
G	rs3027935	153304468	<i>MECP2</i>	T	5.2%	7.5%	8.8E-04	0.65[0.51-0.84]	0.27
I	rs7887323	153305048	<i>MECP2</i>	C	4.1%	5.5%	0.015	0.70[0.52-0.93]	0.83
I	X-153306558	153306558	<i>MECP2</i>	G	1.1%	1.6%	0.024	0.54[0.32-0.92]	ND
I	rs3027937	153306660	<i>MECP2</i>	A	1.4%	2.2%	0.038	0.61[0.38-0.97]	0.13
I	rs909131	153308227	<i>MECP2</i>	G	56.6%	46.8%	<b>3.8E-05</b>	1.32[1.16-1.50]	0.14
I	rs3027939	153310578	<i>MECP2</i>	G	4.2%	5.6%	0.010	0.69[0.52-0.92]	0.68
I	rs5987198	153311352	<i>MECP2</i>	A	4.2%	5.6%	0.010	0.69[0.52-0.92]	0.68
G	rs17435 <sup>b</sup>	153311980	<i>MECP2</i>	T	56.5%	47.5%	<b>1.8E-04</b>	1.28[1.13-1.46]	0.02
G	rs7050901	153314310	<i>MECP2</i>	T	2.4%	3.1%	0.168	0.77[0.53-1.12]	--
G	rs7059306	153314990	<i>MECP2</i>	A	1.4%	2.3%	0.034	0.61[0.38-0.96]	0.12
I	rs3027944	153316062	<i>MECP2</i>	G	4.2%	5.7%	8.3E-03	0.68[0.52-0.91]	0.62
G	rs1624766 <sup>b</sup>	153317154	<i>MECP2</i>	C	55.6%	45.6%	<b>9.9E-06</b>	1.35[1.18-1.54]	0.34
I	X-153317715	153317715	<i>MECP2</i>	T	98.9%	98.3%	0.016	1.92[1.13-3.26]	ND
I	rs5987199	153319087	<i>MECP2</i>	G	4.2%	5.7%	9.9E-03	0.69[0.52-0.91]	0.67
I	rs5987200	153319119	<i>MECP2</i>	C	4.2%	5.7%	9.9E-03	0.69[0.52-0.91]	0.67
I	rs112643842	153319757	<i>MECP2</i>	T	4.2%	5.7%	9.9E-03	0.69[0.52-0.91]	0.67

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,487)	CTRL (n=807)			
I	rs112812100	153319857	MECP2	C	4.2%	5.7%	9.8E-03	0.69[0.52-0.91]	0.66
I	rs12559567	153321043	MECP2	A	4.2%	5.7%	9.8E-03	0.69[0.52-0.91]	0.66
G	rs7884370	153322881	MECP2	G	4.4%	6.0%	7.8E-03	0.69[0.52-0.91]	0.71
G	rs1734787 <sup>b</sup>	153325446	MECP2	C	50.2%	38.1%	<b>4.0E-09</b>	1.48[1.30-1.69]	ND
I	rs1616369	153326464	MECP2	A	50.1%	37.8%	<b>2.9E-09</b>	1.49[1.30-1.69]	*
G	rs5987201	153330042	MECP2	T	4.2%	5.7%	0.010	0.69[0.52-0.92]	0.68
G	rs34834543	153330719	MECP2	T	4.2%	5.7%	1.0E-02	0.69[0.52-0.92]	0.68
I	rs1734791 <sup>b</sup>	153330920	MECP2	T	51.6%	40.1%	<b>7.8E-08</b>	1.43[1.26-1.63]	0.14
I	rs5986950	153331053	MECP2	G	4.1%	5.6%	0.012	0.69[0.52-0.92]	0.68
I	rs1734789	153331463	MECP2	G	56.4%	47.0%	<b>7.6E-05</b>	1.30[1.14-1.48]	0.08
I	rs4011489	153332155	MECP2	C	4.1%	5.6%	0.010	0.69[0.52-0.91]	0.68
I	rs111398632	153334146	MECP2	A	3.6%	5.3%	1.6E-03	0.62[0.46-0.83]	0.28
I	rs111881122	153334181	MECP2	T	3.6%	5.3%	1.6E-03	0.62[0.46-0.83]	0.28
I	rs7052196	153334432	MECP2	T	3.6%	5.3%	1.6E-03	0.62[0.46-0.83]	0.28
I	rs7877644	153338287	MECP2	A	3.6%	5.4%	1.5E-03	0.62[0.46-0.83]	0.24
I	rs113881950	153340281	MECP2	A	3.6%	5.4%	1.4E-03	0.62[0.46-0.83]	0.24
I	rs1734792 <sup>b</sup>	153341060	MECP2	A	51.6%	40.1%	<b>4.4E-08</b>	1.44[1.26-1.64]	0.14
I	rs4898376	153343006	MECP2	T	43.3%	52.5%	<b>1.0E-04</b>	0.77[0.68-0.88]	0.08
G	rs11156611	153344174	MECP2	A	4.3%	5.8%	9.2E-03	0.69[0.52-0.91]	0.71
I	rs113162152	153346888	MECP2	T	3.6%	5.6%	4.5E-04	0.59[0.44-0.79]	0.17
I	rs5987204	153347588	MECP2	A	3.6%	5.5%	6.0E-04	0.60[0.44-0.80]	0.19
G	rs2239464 <sup>b</sup>	153348431	MECP2	A	55.7%	46.5%	<b>1.2E-04</b>	1.29[1.13-1.46]	0.03
G	rs5987205	153348586	MECP2	G	3.8%	5.7%	1.3E-03	0.62[0.47-0.83]	0.29
G	rs5986954	153349295	MECP2	G	3.6%	4.9%	9.3E-03	0.67[0.49-0.90]	0.36
I	rs5945393	153349428	MECP2	G	55.3%	45.8%	<b>5.1E-05</b>	1.31[1.15-1.49]	0.08
I	rs5986955	153349494	MECP2	G	3.6%	5.6%	6.8E-04	0.60[0.45-0.81]	0.21
I	rs12390791	153355759	MECP2	A	3.6%	5.6%	6.8E-04	0.60[0.45-0.81]	0.21
G	rs12390885	153356015	MECP2	A	3.8%	5.6%	1.7E-03	0.63[0.47-0.84]	0.30
G	rs35609266	153358115	MECP2	T	3.9%	5.6%	2.0E-03	0.63[0.48-0.85]	0.43
I	rs28458447	153359700	MECP2	C	4.1%	5.8%	3.9E-03	0.66[0.50-0.88]	0.55
I	rs33976460	153360669	MECP2	A	3.6%	5.6%	6.7E-04	0.60[0.45-0.81]	0.24
I	rs5987206	153366814		C	51.7%	40.1%	<b>4.0E-08</b>	1.44[1.27-1.64]	0.14
I	rs28781958	153366846		T	4.1%	5.8%	3.9E-03	0.66[0.50-0.88]	0.55
I	rs28876812	153366850		T	4.1%	5.8%	3.9E-03	0.66[0.50-0.88]	0.55
I	rs5987207	153366927		C	4.1%	5.8%	3.9E-03	0.66[0.50-0.88]	0.55
I	rs5986956	153367689		A	3.6%	5.6%	6.7E-04	0.60[0.45-0.81]	0.24
I	rs111354059	153368909		G	4.1%	5.8%	3.9E-03	0.66[0.50-0.88]	0.55
I	rs112724831	153368930		G	4.1%	5.8%	3.9E-03	0.66[0.50-0.88]	0.55
I	rs5987208	153369611		A	3.6%	5.6%	6.7E-04	0.60[0.45-0.81]	0.24
I	rs5986957	153372505		T	50.2%	37.6%	<b>9.9E-10</b>	1.51[1.32-1.72]	ND
I	rs7058768	153372519		G	3.6%	5.6%	6.7E-04	0.60[0.45-0.81]	0.24
I	X-153372840	153372840		T	3.6%	5.6%	6.7E-04	0.60[0.45-0.81]	0.24
I	rs73629109	153373272		G	3.7%	5.7%	5.2E-04	0.60[0.45-0.80]	0.23
I	rs5987211	153376055		T	4.1%	5.8%	3.9E-03	0.66[0.50-0.88]	0.55
I	rs2872736	153376436		C	56.1%	46.6%	<b>5.3E-05</b>	1.31[1.15-1.48]	0.09

If *P* reached the Bonferroni-corrected significance level of  $2.9 \times 10^{-4}$ , it is highlighted in bold and italic.

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Filename: TableS4.doc

**Table S4. Allelic association of 157 Xq28 SNPs with SLE in subjects with African ancestry**

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,674)	CTRL (n=1,920)			
I	X-153148723	153148723	<i>L1CAM</i>	A	3.2%	3.2%	0.865	1.03[0.77-1.36]	--
I	rs6655267	153149809	<i>L1CAM</i>	G	30.8%	30.3%	0.581	1.03[0.92-1.15]	--
G	rs12156710	153150791	<i>L1CAM</i>	T	56.5%	56.7%	0.631	0.98[0.88-1.08]	--
I	rs41311376	153150929	<i>L1CAM</i>	A	56.7%	56.8%	0.704	0.98[0.89-1.09]	--
I	rs5987175	153153839		T	88.2%	87.9%	0.876	1.01[0.87-1.18]	--
I	rs7060775	153157066		C	20.6%	20.3%	0.841	1.01[0.89-1.15]	--
G	rs7065317	153157722		A	21.1%	20.9%	0.910	1.01[0.89-1.14]	--
G	rs4898457	153158356		A	86.1%	86.4%	0.632	0.97[0.83-1.12]	--
I	rs7052686	153162462		T	88.3%	87.9%	0.705	1.03[0.88-1.21]	--
G	rs4898458	153167690		G	75.6%	75.0%	0.866	1.01[0.90-1.14]	--
I	X-153168207	153168207	<i>AVPR2</i>	G	95.0%	96.1%	<b>0.037</b>	0.77[0.60-0.98]	0.02
I	rs3761528	153168449	<i>AVPR2</i>	C	87.8%	87.5%	0.918	1.01[0.86-1.18]	--
G	rs3761527	153168624	<i>AVPR2</i>	C	80.8%	81.1%	0.652	0.97[0.85-1.10]	--
G	rs762655	153169480	<i>AVPR2</i>	C	81.0%	81.4%	0.589	0.97[0.85-1.10]	--
G	rs5201	153171993	<i>AVPR2</i>	G	86.8%	86.9%	0.617	0.96[0.83-1.12]	--
G	rs2070097	153176254	<i>ARHGAP4</i>	G	86.4%	86.9%	0.539	0.96[0.83-1.11]	--
G	rs2071129	153195921	<i>NAA10</i>	G	48.0%	47.5%	0.818	1.01[0.92-1.12]	--
I	rs2071130	153196057	<i>NAA10</i>	C	48.6%	48.1%	0.773	1.02[0.92-1.12]	--
I	X-153196182	153196182	<i>NAA10</i>	T	10.7%	10.4%	0.827	1.02[0.86-1.20]	--
G	rs4898373	153198128	<i>NAA10</i>	C	2.9%	2.4%	0.431	1.13[0.83-1.55]	--
I	X-153200016	153200016	<i>NAA10</i>	T	11.9%	11.6%	0.827	1.02[0.87-1.19]	--
G	rs5945377	153201293	<i>RENBP</i>	C	60.0%	60.6%	0.465	0.96[0.87-1.07]	--
G	rs2156929	153205370	<i>RENBP</i>	A	9.2%	9.8%	0.584	0.95[0.80-1.13]	--
I	rs73640842	153206902	<i>RENBP</i>	A	14.4%	14.1%	0.875	1.01[0.88-1.17]	--
G	rs2269371	153207025	<i>RENBP</i>	C	14.6%	14.3%	0.890	1.01[0.88-1.17]	--
I	rs78377269	153207037	<i>RENBP</i>	T	4.5%	4.5%	0.749	1.04[0.81-1.33]	--
I	rs3027869	153211538		A	12.8%	11.3%	0.058	1.16[1.00-1.36]	0.93
I	rs7882027	153211607		T	10.8%	10.7%	0.938	0.99[0.84-1.17]	--
I	rs762656	153211652		G	70.2%	71.3%	0.292	0.94[0.84-1.05]	--
I	rs7889328	153211887		A	10.8%	10.7%	0.938	0.99[0.84-1.17]	--
I	rs7889967	153212344		A	10.8%	10.7%	0.929	0.99[0.84-1.17]	--
I	X-153215345	153215345	<i>HCFC1</i>	A	10.9%	10.7%	0.925	0.99[0.84-1.17]	--
I	rs2071132	153216036	<i>HCFC1</i>	A	70.6%	71.5%	0.423	0.96[0.85-1.07]	--
I	rs1051153	153218362	<i>HCFC1</i>	T	10.8%	10.7%	0.904	0.99[0.84-1.17]	--
I	rs1051152	153220360	<i>HCFC1</i>	G	70.2%	71.0%	0.491	0.96[0.86-1.07]	--
I	rs730106	153221657	<i>HCFC1</i>	C	70.2%	71.0%	0.491	0.96[0.86-1.07]	--
I	rs1051151	153222483	<i>HCFC1</i>	T	10.8%	10.7%	0.924	0.99[0.84-1.17]	--
I	X-153224956	153224956	<i>HCFC1</i>	A	1.4%	1.7%	0.371	0.83[0.54-1.25]	--
G	rs632	153226471	<i>HCFC1</i>	C	70.1%	70.6%	0.649	0.97[0.87-1.09]	--
I	rs17422	153227426	<i>HCFC1</i>	G	70.2%	70.8%	0.567	0.97[0.87-1.08]	--
I	rs2266886	153231352	<i>HCFC1</i>	C	70.2%	70.8%	0.564	0.97[0.87-1.08]	--
I	rs80208125	153238220	<i>TMEM187</i>	G	70.4%	70.9%	0.631	0.97[0.87-1.09]	--
I	X-153239504	153239504	<i>TMEM187</i>	T	3.9%	4.1%	0.681	0.95[0.73-1.23]	--
I	rs2266887	153239587	<i>TMEM187</i>	T	70.4%	71.1%	0.595	0.97[0.87-1.08]	--
I	rs2266888	153239720	<i>TMEM187</i>	A	18.1%	16.8%	0.098	1.12[0.98-1.28]	--

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,674)	CTRL (n=1,920)			
G	rs4898374	153241386	<i>TMEM187</i>	T	18.1%	17.0%	0.184	1.09[0.96-1.25]	--
I	X-153243038	153243038	<i>TMEM187</i>	A	10.7%	10.6%	0.934	0.99[0.84-1.17]	--
I	X-153243238	153243238	<i>TMEM187</i>	T	8.6%	8.6%	0.932	0.99[0.83-1.19]	--
I	rs12384878	153245128	<i>TMEM187</i>	G	18.0%	16.5%	0.066	1.13[0.99-1.29]	--
I	rs6643653	153246018	<i>TMEM187</i>	G	13.2%	11.2%	<b>9.2E-03</b>	1.23[1.05-1.43]	0.49
I	X-153246410	153246410	<i>TMEM187</i>	A	10.3%	9.9%	0.771	1.03[0.87-1.21]	--
I	rs2266890	153247722	<i>TMEM187</i>	T	12.9%	10.9%	<b>0.012</b>	1.22[1.05-1.43]	0.42
I	rs6571303	153247954	<i>TMEM187</i>	T	12.7%	10.9%	<b>0.015</b>	1.22[1.04-1.42]	0.46
G	rs13397	153248248	<i>TMEM187</i>	A	5.7%	4.1%	<b>4.2E-03</b>	1.41[1.12-1.79]	*
I	rs5945173	153250172		A	12.7%	10.9%	<b>0.019</b>	1.21[1.03-1.41]	0.47
I	X-153254913	153254913		A	1.3%	1.7%	0.357	0.82[0.54-1.25]	--
I	X-153265639	153265639		G	3.0%	2.8%	0.646	1.07[0.80-1.45]	--
I	X-153267758	153267758		A	11.7%	11.6%	0.920	1.01[0.86-1.18]	--
I	rs58685547	153269286		G	6.0%	6.5%	0.433	0.92[0.74-1.14]	--
I	X-153271114	153271114		A	3.1%	2.9%	0.668	1.07[0.79-1.43]	--
I	X-153272635	153272635		A	13.6%	13.5%	0.908	1.01[0.87-1.17]	--
G	rs4898375	153273226		A	6.1%	4.3%	<b>1.7E-03</b>	1.44[1.15-1.82]	*
G	rs633	153274228		C	42.4%	42.2%	0.950	1.00[0.91-1.11]	--
I	rs12400188	153275075		G	42.3%	42.1%	0.998	1.00[0.90-1.11]	--
G	rs3027898	153275890		C	43.5%	43.5%	0.948	1.00[0.90-1.10]	--
I	rs3027899	153276357	<i>IRAK1</i>	T	2.6%	2.4%	0.504	1.11[0.81-1.53]	--
I	rs3027900	153277168	<i>IRAK1</i>	T	2.0%	2.3%	0.487	0.89[0.63-1.25]	--
I	rs3027902	153277471	<i>IRAK1</i>	T	14.7%	14.1%	0.500	1.05[0.91-1.21]	--
I	rs3027903	153277750	<i>IRAK1</i>	A	4.7%	4.8%	0.985	1.00[0.79-1.27]	--
G	rs2239673 <sup>a</sup>	153277889	<i>IRAK1</i>	C	43.4%	43.2%	0.976	1.00[0.90-1.10]	--
I	rs763737 <sup>a</sup>	153278307	<i>IRAK1</i>	G	43.6%	43.5%	0.999	1.00[0.90-1.11]	--
I	X-153278421	153278421	<i>IRAK1</i>	T	2.0%	2.3%	0.487	0.89[0.63-1.25]	--
G	rs3027906	153278971	<i>IRAK1</i>	A	14.6%	14.3%	0.770	1.02[0.89-1.18]	--
I	rs5945174 <sup>a</sup>	153279858	<i>IRAK1</i>	G	43.9%	43.8%	0.945	1.00[0.91-1.11]	--
G	rs7061789 <sup>a</sup>	153280475	<i>IRAK1</i>	G	44.4%	44.9%	0.650	0.98[0.88-1.08]	--
I	X-153280591	153280591	<i>IRAK1</i>	A	1.1%	1.2%	0.622	0.89[0.56-1.42]	--
G	rs10127175	153284172	<i>IRAK1</i>	T	5.5%	5.9%	0.425	0.92[0.74-1.14]	--
G	rs1059702	153284192	<i>IRAK1</i>	A	5.9%	4.1%	<b>1.0E-03</b>	1.48[1.17-1.87]	*
G	rs11465830	153284198	<i>IRAK1</i>	T	4.7%	4.6%	0.950	0.99[0.78-1.26]	--
G	rs1059701	153284483	<i>IRAK1</i>	G	72.0%	72.0%	0.879	0.99[0.89-1.11]	--
I	rs7877076	153285629		T	1.1%	1.2%	0.648	0.90[0.56-1.43]	--
I	X-153285683	153285683		A	3.1%	3.0%	0.812	1.04[0.77-1.39]	--
I	X-153286083	153286083		G	94.1%	93.9%	0.603	1.06[0.86-1.31]	--
G	rs2734647	153292180	<i>MECP2</i>	T	6.5%	4.7%	<b>1.7E-03</b>	1.42[1.14-1.78]	*
I	rs3027921	153293161	<i>MECP2</i>	T	1.3%	1.4%	0.986	1.00[0.65-1.55]	--
I	rs2734645	153294376	<i>MECP2</i>	T	13.2%	12.2%	0.271	1.09[0.94-1.27]	--
I	X-153295310	153295310	<i>MECP2</i>	G	3.1%	3.0%	0.748	1.05[0.78-1.41]	--
G	rs2075596 <sup>b</sup>	153297392	<i>MECP2</i>	A	6.8%	4.9%	<b>9.8E-04</b>	1.45[1.16-1.80]	*
I	X-153300033	153300033	<i>MECP2</i>	A	16.6%	17.5%	0.247	0.92[0.81-1.06]	--
I	rs5987195	153301742	<i>MECP2</i>	G	16.7%	17.5%	0.243	0.92[0.81-1.06]	--
I	rs5987196	153301935	<i>MECP2</i>	A	16.7%	17.5%	0.243	0.92[0.81-1.06]	--
G	rs3027935	153304468	<i>MECP2</i>	T	20.7%	21.9%	0.141	0.91[0.81-1.03]	--

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,674)	CTRL (n=1,920)			
I	rs7887323	153305048	MECP2	C	22.1%	23.7%	0.096	0.90[0.80-1.02]	--
I	rs3027936	153305844	MECP2	T	13.5%	12.7%	0.423	1.06[0.91-1.24]	--
I	rs3027937	153306660	MECP2	A	17.0%	17.4%	0.731	0.98[0.85-1.12]	--
G	rs3027938	153307687	MECP2	G	6.8%	7.7%	0.144	0.87[0.71-1.05]	--
I	rs909131	153308227	MECP2	G	59.3%	59.5%	0.775	0.98[0.89-1.09]	--
I	X-153309238	153309238	MECP2	T	3.4%	3.3%	0.779	1.04[0.78-1.38]	--
I	rs3027939	153310578	MECP2	G	21.6%	23.4%	0.062	0.89[0.79-1.01]	--
I	rs5987198	153311352	MECP2	A	21.6%	23.3%	0.065	0.89[0.79-1.01]	--
G	rs17435 <sup>b</sup>	153311980	MECP2	T	61.4%	61.8%	0.522	0.97[0.87-1.07]	--
G	rs7050901	153314310	MECP2	T	12.7%	14.0%	0.108	0.89[0.76-1.03]	--
G	rs7059306	153314990	MECP2	A	17.5%	17.8%	0.763	0.98[0.86-1.12]	--
I	rs3027944	153316062	MECP2	G	21.7%	23.4%	0.063	0.89[0.79-1.01]	--
I	rs5987199	153319087	MECP2	G	21.7%	23.5%	0.063	0.89[0.79-1.01]	--
I	rs5987200	153319119	MECP2	C	21.7%	23.5%	0.063	0.89[0.79-1.01]	--
I	rs112643842	153319757	MECP2	T	18.5%	20.3%	<b>0.050</b>	0.88[0.77-1.00]	0.11
I	rs112812100	153319857	MECP2	C	21.7%	23.4%	0.066	0.89[0.79-1.01]	--
G	rs7884370	153322881	MECP2	G	21.8%	23.5%	0.076	0.90[0.80-1.01]	--
G	rs1734787 <sup>b</sup>	153325446	MECP2	C	10.5%	8.9%	<b>0.021</b>	1.22[1.03-1.45]	0.91
I	rs1616369	153326464	MECP2	A	6.7%	4.7%	<b>4.0E-04</b>	1.50[1.20-1.88]	*
I	X-153326736	153326736	MECP2	C	13.6%	12.9%	0.449	1.06[0.91-1.23]	--
G	rs5987201	153330042	MECP2	T	20.5%	22.0%	0.078	0.90[0.79-1.01]	--
G	rs34834543	153330719	MECP2	T	20.5%	22.1%	0.074	0.90[0.79-1.01]	--
I	rs1734791 <sup>b</sup>	153330920	MECP2	T	28.2%	27.0%	0.210	1.08[0.96-1.21]	--
I	rs5986950	153331053	MECP2	G	18.2%	19.6%	0.082	0.89[0.79-1.01]	--
I	rs1734789	153331463	MECP2	G	62.8%	63.3%	0.492	0.96[0.87-1.07]	--
I	rs4011489	153332155	MECP2	C	18.2%	19.5%	0.086	0.89[0.79-1.02]	--
I	X-153333544	153333544	MECP2	A	2.9%	3.9%	<b>0.026</b>	0.73[0.55-0.96]	0.04
I	X-153333964	153333964	MECP2	C	13.6%	12.9%	0.446	1.06[0.91-1.23]	--
I	rs111398632	153334146	MECP2	A	18.1%	19.5%	0.082	0.89[0.79-1.01]	--
I	rs111881122	153334181	MECP2	T	18.1%	19.5%	0.082	0.89[0.79-1.01]	--
I	rs7052196	153334432	MECP2	T	18.1%	19.5%	0.082	0.89[0.79-1.01]	--
I	X-153334755	153334755	MECP2	C	3.3%	3.3%	0.861	1.03[0.77-1.36]	--
I	rs7877644	153338287	MECP2	A	18.0%	19.1%	0.177	0.91[0.80-1.04]	--
I	rs113881950	153340281	MECP2	A	19.4%	21.0%	0.071	0.89[0.79-1.01]	--
I	rs1734792 <sup>b</sup>	153341060	MECP2	A	24.6%	23.1%	0.134	1.10[0.97-1.24]	--
I	X-153341464	153341464	MECP2	C	7.2%	7.2%	0.995	1.00[0.82-1.22]	--
G	rs11156611	153344174	MECP2	A	19.4%	21.0%	0.079	0.89[0.79-1.01]	--
I	rs113162152	153346888	MECP2	T	19.2%	20.9%	0.061	0.89[0.78-1.01]	--
I	X-153347054	153347054	MECP2	G	3.3%	3.3%	0.858	1.03[0.77-1.36]	--
I	rs5987204	153347588	MECP2	A	19.2%	20.9%	0.061	0.89[0.78-1.01]	--
G	rs2239464 <sup>b</sup>	153348431	MECP2	A	54.9%	55.6%	0.517	0.97[0.87-1.07]	--
G	rs5987205	153348586	MECP2	G	19.3%	20.9%	0.071	0.89[0.79-1.01]	--
I	rs17091232	153348682	MECP2	C	6.6%	7.4%	0.207	0.88[0.72-1.07]	--
G	rs5986954	153349295	MECP2	G	17.5%	18.3%	0.132	0.90[0.79-1.03]	--
I	rs5945393	153349428	MECP2	G	47.2%	47.5%	0.665	0.98[0.88-1.08]	--
I	rs5986955	153349494	MECP2	G	17.9%	18.9%	0.180	0.92[0.80-1.04]	--
I	rs12011603	153354062	MECP2	T	3.4%	3.5%	0.826	0.97[0.74-1.28]	--

Type	SNP	Position	Gene	Tested allele	Frequency		P	OR	P <sub>c</sub>
					SLE (n=1,674)	CTRL (n=1,920)			
I	rs12390791	153355759	<i>MECP2</i>	A	19.3%	20.9%	0.065	0.89[0.79-1.01]	--
G	rs12390885	153356015	<i>MECP2</i>	A	19.3%	21.0%	0.066	0.89[0.79-1.01]	--
G	rs35609266	153358115	<i>MECP2</i>	T	21.3%	23.0%	0.078	0.90[0.80-1.01]	--
I	rs28458447	153359700	<i>MECP2</i>	C	19.0%	20.7%	0.065	0.89[0.78-1.01]	--
I	rs33976460	153360669	<i>MECP2</i>	A	17.6%	18.7%	0.159	0.91[0.80-1.04]	--
I	rs7050893	153363595		T	2.9%	3.9%	<b>0.025</b>	0.73[0.55-0.96]	0.04
G	rs10126881	153365761		G	6.6%	6.7%	0.801	0.97[0.80-1.19]	--
I	X-153366830	153366830		C	17.6%	18.7%	0.159	0.91[0.80-1.04]	--
I	rs28781958	153366846		T	17.6%	18.7%	0.159	0.91[0.80-1.04]	--
I	rs28876812	153366850		T	17.6%	18.7%	0.159	0.91[0.80-1.04]	--
I	rs5987207	153366927		C	17.6%	18.7%	0.159	0.91[0.80-1.04]	--
I	rs5986956	153367689		A	17.6%	18.7%	0.159	0.91[0.80-1.04]	--
I	rs111354059	153368909		G	19.0%	20.7%	0.065	0.89[0.78-1.01]	--
I	rs112724831	153368930		G	19.0%	20.7%	0.065	0.89[0.78-1.01]	--
I	rs5987208	153369611		A	17.6%	18.7%	0.159	0.91[0.80-1.04]	--
I	rs7058768	153372519		G	19.0%	20.7%	0.065	0.89[0.78-1.01]	--
I	X-153372840	153372840		T	16.7%	17.8%	0.138	0.90[0.79-1.03]	--
I	rs5987211	153376055		T	17.8%	19.6%	<b>0.048</b>	0.88[0.77-1.00]	0.11

If  $P < 0.05$ , it is highlighted in bold and italic.



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**Table S6. Samples used in previous studies**

	Sawalha et al [6]		Jacob et al [7]	
	Case	Control	Case	Control
EA	684	966	2001	2153
AS	609	706	572	517
AA	0	0	691	386
HA	0	0	514	164