

Supplementary Table 1 Hardy-Weinberg equilibrium testing of CRP genotypes in healthy controls

CRP genotype	Normal n (%)	X^2	p -value
rs1205 (C > T)			
CC	49 (16.17)	1.00	0.32
CT	156 (51.49)		
TT	98 (32.34)		
rs3093077 (A > C)			
AA	208 (68.65)	0.00	0.98
AC	86 (28.38)		
CC	9 (2.97)		
rs3091244 (C > T > A)			
CC	180 (59.41)	0.02	0.89
CT	28 (9.24)		
CA	79 (26.07)		
TT	1 (0.33)		
TA	6 (1.98)		
AA	9 (2.97)		

rs1130864 (G > A)

GG	270 (89.11)	0.00	0.96
GA	32 (10.56)		
AA	1 (0.33)		

rs1800947 (C > G)

CC	273 (90.10)	0.06	0.81
CG	29 (9.57)		
GG	1 (0.33)		

rs2794521 (T > C)

TT	222 (73.27)	0.27	0.60
TC	76 (25.08)		
CC	5 (1.65)		

Supplementary Table 2 Genotype frequencies of combined SNPs of CRP

CRP genotype combination	LN n	Normal n	<i>p</i>-value	CRP genotype combination	LN n	Normal n	<i>p</i>-value
rs1205+rs3093077				rs3091244+rs3093077			
CCCC	7	9	0.503	CCAA	150	179	0.743
CCAC	23	23		CTAA	21	28	
CCAA	23	17		CAAC	80	78	
CTAC	67	63		TAAC	4	6	
CTAA	72	93		AACC	5	8	
TTAA	78	98					
rs1205+rs3091244				rs3091244+rs2794521			
CCCC	15	9	0.721	CCTT	94	121	0.659
CCCT	8	7		CCTC	49	54	
CCCA	18	18		CCCC	11	5	
CCTA	4	6		CTTT	17	23	
CCAA	4	8		CTTC	6	5	
CTCC	62	73		CATT	64	62	

CRP genotype combination	LN n	Normal n	<i>p</i> -value	CRP genotype combination	LN n	Normal n	<i>p</i> -value
CTCT	15	21		CATC	17	17	
CTCA	62	61		TATT	4	6	
TTCC	78	98		AATT	6	9	
rs1205+rs1130864				rs3091244+rs1130864			
CCGG	39	36	0.802	CCGG	154	180	0.869*
CCGA	12	12		CTGA	23	27	
CTGG	124	136		CAGG	81	79	
CTGA	15	20		TAGA	4	5	
TTGG	78	98		AAGG	6	9	
rs1205+rs1800947				rs3091244+rs1800947			
CCCC	53	49	0.823	CCCC	134	156	0.994
CTCC	127	144		CCCG	20	23	
CTCG	12	12		CTCC	23	27	
TTCC	65	80		CACC	70	74	
TTCG	13	17		CACG	5	5	

CRP genotype combination	LN n	Normal n	<i>p</i> -value	CRP genotype combination	LN n	Normal n	<i>p</i> -value
				TACC	4	6	
				AACC	6	9	
rs1205+rs2794521				rs3093077+rs1800947			
CCCC	11	5	0.566	AACC	155	183	0.704
CCCT	25	24		AACG	18	25	
CCTT	17	20		ACCC	83	81	
CTCT	47	52		ACCG	7	5	
CTTT	92	104		CCCC	7	9	
TTTT	78	98					
rs2794521+rs3093077				rs2794521+rs1800947			
TTAA	111	145	0.320	TTCC	169	196	0.310
TTAC	70	69		TTCG	18	25	
TTCC	6	8		TCCC	65	72	
TCAA	51	58		TCCG	7	4	
TCAC	20	17		CCCC	11	5	

CRP genotype combination	LN n	Normal n	<i>p</i> -value	CRP genotype combination	LN n	Normal n	<i>p</i> -value
CCAA	11	5					
rs3093077+rs1130864				rs2794521+rs1130864			
AAGG	150	180	0.763	TTGG	164	194	0.438
AAGA	21	27		TTGA	21	27	
ACGG	84	81		TCGG	66	71	
ACGA	6	5		TCGA	6	5	
CCGG	7	9		CCGG	11	5	
1130864+1800947							
GGCC	216	241	0.995				
GGCG	25	28					
GACC	27	31					

Fisher's exact test; unmarked, Pearson's chi-squared test. Combinations with people less than 5 in both groups were not included.

Supplementary Table 3 Association of rs1205 with clinical, laboratory and renal pathological indexes of LN patients

	CC	CT	TT	<i>p</i> -value (CC <i>vs</i> TT)	<i>p</i> -value (TT <i>vs</i> CT)
Clinical Indexes					
Number of patients	45	119	70		
Age (mean±SD) (years)	32.58±10.11	33.20±11.97	32±13.38	0.516	0.532
Gender (male/female)	5/40	23/96	12/58	0.399	0.709
Number of fever (non-infection) (%)	11(24.4)	23(19.3)	18(25.7)	0.827	0.285
Number of malar rash (%)	14(31.1)	30(25.2)	25(35.7)	0.553	0.12
Number of photosensitivity (%)	7(15.5)	13(10.9)	11(15.7)	0.943	0.325
Number of alopecia (%)	7(15.5)	18(15.1)	10(14.3)	0.888	0.896
Number of oral ulcer (%)	7(15.5)	8(6.7)	7(10.0)	0.397	0.409
Number of arthritis (%)	10(22.2)	29(24.3)	20(28.6)	0.408	0.497
Number of serositis (%)	7(15.5)	12(10.1)	5(7.1)	0.161	0.518
Number of neurologic disorder (%)	3(6.67)	5(4.2)	3(4.3)	0.594	0.967
Number of anemia (%)	32(71.1)	74(62.2)	44(62.8)	0.322	0.732

Number of leucocytopenia (%)	18(40.0)	32(26.9)	23(32.8)	0.383	0.482
Number of thrombocytopenia (%)	6(13.3)	21(17.6)	14(20.0)	0.384	0.499
Number of hematuria (%)	37(82.2)	89(74.8)	54(77.1)	0.242	0.519
Number of leukocyturia (non-infection) (%)	21(46.7)	57(47.9)	30(42.8)	0.858	0.395
Number of nephrotic syndrome (%)	26(57.7)	56(47.1)	32(45.7)	0.187	0.479
ARF	5(11.1)	16(13.4)	6(8.6)	0.808	0.267
SLEDAI (median; inter-quartile range)	14(12-26)	17(13-21)	16(14-18)	0.715	0.159

Laboratory Indexes

Number of patients	45	109	70		
Hemoglobin (g/L) (mean±SD)	99.69±23.29	110.25±25.58	105.37±25.91	0.134	0.232
Urine protein (g/24 hours)	4.39(1.67-7.52)	3.26(1.80-6.00)	3.43(1.67-6.82)	0.717	0.45
Coombs test	13(28.9)	22(20.2)	12(17.1)	0.773	0.261
Serum creatinine (mmol/dL)	80(60.9-123.5)	81(62.5-112.75)	79.50(64.25-116.25)	0.905	0.974
C3	0.411(0.301-0.589)	0.46(0.34-0.59)	0.42(0.28-0.56)	0.926	0.133
CRP	2(0.24-6.00)	2.11(1.00-4.41)	2.5(1-5.40)	0.776	0.609
Number of positive ANA (%)	40(88.9)	101(92.7)	63(90.0)	0.808	0.718

Number of positive anti-dsDNA (%)	30(66.7)	75(68.8)	38(54.3)	0.199	0.093
Number of positive anti-Sm (%)	11(24.4)	29(26.6)	19(27.1)	0.714	0.389
Number of positive anti-SSA (%)	26(57.8)	44(40.4)	25(35.7)	0.025	0.693
Number of positive anti-SSB (%)	6(13.3)	17(15.6)	3(4.3)	0.086	0.024
Number of positive anti-RNP (%)	14(31.1)	38(62.4)	27(38.6)	0.394	0.523
Number of positive anti-cardiolipin (%)	1(2.22)	4(3.7)	6(8.6)	0.294	0.186
Number of positive ANCA (%)	3(6.67)	0(0)	4(5.7)	0.961	0.006

Renal Pathological Indexes

Number of biopsies	45	109	70		
AI score	7(6-8)	7(5-8)	7(4-9)	0.693	0.827
Endocapillary hypercellularity	2(2-2)	2(1-3)	3(1-3)	0.694	0.798
Cellular crescents	1(0-1)	0(0-2)	2(0-2)	0.892	0.512
Karyorrhexis/fibrinoid necrosis	3(2-3)	0(0-0)	0(0-2)	0.061	0.05
Subendothelial hyaline deposits	1(1-1)	1(0-2)	1(0-1)	0.893	0.873
Interstitial inflammation	1(1-1)	1(1-1)	1(1-1)	0.844	0.74
Glomerular leukocyte infiltration	1(1-1)	0(0-1)	1(1-1)	1	0.032

CI score	2(1-3)	1(0-1)	2(0-2)	0.679	0.35
Glomerular sclerosis	0(0-3)	0(0-0)	0(0-1)	0.722	0.103
Fibrous crescents	3(0-3)	0(0-0)	0(0-0)	0.253	0.715
Tubular atrophy	1(1-1)	1(1-1)	1(1-1)	1	1
Interstitial fibrosis	1(1-1)	1(0-1)	1(1-1)	0.844	0.803
IgA deposited in renal tissue	2(1-3)	2(1-2)	2(1-3)	0.55	0.115
IgG deposited in renal tissue	2(1-2)	2(1-3)	2(1-2)	0.987	0.501
IgM deposited in renal tissue	2(1-2)	1(1-2)	1(1-2)	0.031	0.09
C3 deposited in renal tissue	2(2-3)	2(1-3)	2(2-3)	0.977	0.506
C1q deposited in renal tissue	2(1-3)	2(1-3)	2(1-2)	0.211	0.159

P < 0.05, bold values refer to the significant value between the two groups.

Supplementary Table 4 Association of rs3091244 with clinical, laboratory and renal pathological indexes of LN patients

	CC	CT	CA	<i>p</i> -value (CC <i>vs</i> CT)	<i>p</i> -value (CC <i>vs</i> CA)
Clinical Indexes					
Number of patients	135	20	69		
Age (mean±SD) (years)	32±12.65	32.05±12.65	32±11.17	0.58	0.689
Gender (male/female)	22/113	43/907	15/54	0.925	0.435
Number of fever (non-infection) (%)	31(22.96)	7(35)	11(15.94)	0.165	0.22
Number of malar rash (%)	44(32.59)	5(25)	17(24.63)	0.608	0.2
Number of photosensitivity (%)	18(13.33)	2(10)	8(11.59)	0.759	0.695
Number of alopecia (%)	22(16.29)	6(30)	5(7.24)	0.092	0.065
Number of oral ulcer (%)	15(11.11)	5(25)	2(2.89)	0.057	0.042
Number of arthritis (%)	31(22.96)	7(35)	16(23.19)	0.165	0.983
Number of serositis (%)	13(9.63)	5(25)	5(7.25)	0.04	0.549
Number of neurologic disorder (%)	8(5.93)	1(5)	2(2.89)	0.927	0.332
Number of anemia (%)	84(62.22)	13(65)	45(65.22)	0.905	0.675

Number of leucocytopenia (%)	44(32.59)	9(45)	16(23.19)	0.054	0.209
Number of thrombocytopenia (%)	30(22.22)	2(10)	8(11.59)	0.444	0.178
Number of hematuria (%)	107(79.26)	15(75)	49(71.01)	0.917	0.435
Number of leukocyturia (non-infection) (%)	62(45.93)	8(40)	31(44.93)	0.796	0.922
Number of nephrotic syndrome (%)	65(48.15)	9(45)	36(73.47)	0.976	0.447
ARF	17(12.59)	0(0)	10(14.49)	0.112	0.625
SLEDAI (median; inter-quartile range)	16(14-21)	14(13-21)	16(13-21)	0.506	0.657

Laboratory Indexes

Number of patients	135	20	69		
Hemoglobin (g/L) (mean±SD)	108±26.96	107.1±26.96	103±23.29	0.772	0.43
Urine protein (g/24 hours)	3.47(1.94-6.30)	3.20(1.12-6.65)	3.22(1.56-6.43)	0.568	0.549
Coombs test	26(19.26)	3(15)	16(23.19)	0.405	0.877
Serum creatinine (mmol/dL)	78.3(63.25-112.75)	80.80(67.2-111.0)	82.6(65.0-135.6)	0.864	0.474
C3	0.43(0.29-0.60)	0.44(0.36-0.62)	0.45(0.33-0.57)	0.549	0.802
CRP	2.11(0.63-5.01)	1.99(1.56-3.78)	2.84(1.00-4.40)	0.912	0.675
Number of positive ANA (%)	120(88.89)	19(95)	57(82.61)	0.963	0.609

Number of positive anti-dsDNA (%)	80(59.26)	14(70)	48(69.57)	0.572	0.054
Number of positive anti-Sm (%)	35(25.92)	3(15)	20(28.98)	0.269	0.143
Number of positive anti-SSA (%)	46(34.07)	13(65)	30(43.48)	0.019	0.14
Number of positive anti-SSB (%)	8(5.92)	8(40)	8(11.59)	<0.001	0.139
Number of positive anti-RNP (%)	50(37.04)	7(35)	18(26.08)	0.651	0.132
Number of positive anti-cardiolipin (%)	10(7.41)	0(0)	1(1.45)	0.165	0.067
Number of positive ANCA (%)	7(5.19)	0(0)	2(2.89)	0.26	0.419

Renal Pathological Indexes

Number of biopsies	135	20	69		
AI score	6(4-8)	6(0-10)	7(6-9)	0.892	0.035
Endocapillary hypercellularity	2(1-3)	2(2-2)	3(2-3)	0.831	0.234
Cellular crescents	2(0-2)	6(6-6)	0(0-0)	0.063	0.037
Karyorrhexis/fibrinoid necrosis	0(0-2)	2(2-2)	0(0-2)	0.2	0.782
Subendothelial hyaline deposits	1(0-2)	1(1-1)	1(0-2)	0.944	1
Interstitial inflammation	1(1-1)	1(1-1)	1(1-1)	1	0.324
Glomerular leukocyte infiltration	1(0-1)	1(1-1)	1(0-1)	0.715	0.902

CI score	1(0-2)	1(0-2)	2(0-3)	0.695	0.228
Glomerular sclerosis	0(0-1)	0(0-0)	0(0-1)	0.544	0.717
Fibrous crescents	0(0-0)	0(0-0)	0(0-0)	0.627	0.936
Tubular atrophy	1(1-1)	1(1-1)	1(1-1)	1	1
Interstitial fibrosis	1(1-1)	1(1-1)	1(1-1)	0.87	0.72
IgA deposited in renal tissue	2(1-2)	2(1-3)	2(1-2)	0.549	0.975
IgG deposited in renal tissue	2(1-2)	2(2-3)	2(1-2)	0.095	0.701
IgM deposited in renal tissue	1(1-2)	2(1-2)	2(1-2)	0.018	0.019
C3 deposited in renal tissue	2(2-3)	2(2-3)	3(2-3)	0.578	0.174
C1q deposited in renal tissue	2(1-2)	2(1-3)	2(1-3)	0.283	0.261

P < 0.05, bold values refer to the significant value between the two groups.

Supplementary Table 5 Association of rs1130864 with clinical, laboratory and renal pathological indexes of LN patients

	CC	CT	<i>p</i> -value (CC <i>vs</i> CT)
Clinical Indexes			
Number of patients	208	24	
Age (mean±SD) (years)	33.59±12.40	32.58±11.46	0.769
Gender (male/female)	39/169	43/11	0.711
Number of fever (non-infection) (%)	43(20.7)	7(29.2)	0.254
Number of malar rash (%)	62(29.8)	7(29.2)	0.914
Number of photosensitivity (%)	27(12.9)	4(16.7)	0.528
Number of alopecia (%)	27(12.9)	6(16.7)	0.078
Number of oral ulcer (%)	17(8.2)	5(20.8)	0.031
Number of arthritis (%)	48(23.1)	9(37.5)	0.077
Number of serositis (%)	19(9.1)	5(20.8)	0.068
Number of neurologic disorder (%)	10(4.8)	1(4.2)	0.937
Number of anemia (%)	132(63.5)	16(66.7)	0.91
Number of leucocytopenia (%)	63(30.2)	10(41.7)	0.227

Number of thrombocytopenia (%)	38(18.3)	2(8.3)	0.464
Number of hematuria (%)	160(76.9)	18(75)	0.97
Number of leukocyturia (non-infection) (%)	95(45.7)	10(41.6)	0.822
Number of nephrotic syndrome (%)	3(1.44)	13(54.2)	0.847
ARF	27(12.9)	0(0)	0.075
SLEDAI (median; inter-quartile range)	16(13-21)	14(13-19)	0.578

Laboratory Indexes

Number of patients	208	24	
Hemoglobin (g/L) (mean±SD)	106.26±26.73	107.33±22.81	0.99
Urine protein (g/24 hours)	3.45(1.71-6.32)	3.34(1.64-7.40)	0.851
Coombs test	44(33.0)	4(16.7)	0.55
Serum creatinine (mmol/dL)	80.49(64-116.5)	79.5(59.8-111)	0.687
C3	0.438(0.298-0.581)	0.428(0.366-0.560)	0.74
CRP	2.49(1-4.84)	1.85(0.84-2.68)	0.341
Number of positive ANA (%)	180(51.9)	22(91.7)	0.781
Number of positive anti-dsDNA (%)	131(62.9)	16(66.7)	0.896

Number of positive anti-Sm (%)	56(26.9)	3(12.5)	0.097
Number of positive anti-SSA (%)	78(37.5)	15(62.5)	0.027
Number of positive anti-SSB (%)	16(7.7)	8(33.3)	<0.001
Number of positive anti-RNP (%)	70(33.6)	9(37.5)	0.845
Number of positive anti-cardiolipin (%)	11(5.3)	0(0)	0.215
Number of positive ANCA (%)	8(3.8)	0(0)	0.303

Renal Pathological Indexes

Number of biopsies	208	24	
AI score	7(5-9)	6(0-10)	0.677
Endocapillary hypercellularity	2(1-3)	2(2-2)	0.778
Cellular crescents	0(0-2)	6(6-6)	0.05
Karyorrhexis/fibrinoid necrosis	0(0-2)	2(2-2)	0.204
Subendothelial hyaline deposits	1(0-1)	1(1-1)	0.911
Interstitial inflammation	1(1-1)	1(1-1)	1
Glomerular leukocyte infiltration	1(0-1)	1(1-1)	0.681
CI score	2(0-2)	1(0-2)	0.771

Glomerular sclerosis	0(0-1)	0(0-0)	0.54
Fibrous crescents	0(0-0)	0(0-0)	0.639
Tubular atrophy	1(1-1)	1(1-1)	0.941
Interstitial fibrosis	1(1-1)	1(1-1)	0.84
IgA deposited in renal tissue	2(1-2)	2(1-3)	0.717
IgG deposited in renal tissue	2(1-2)	2(1-3)	0.257
IgM deposited in renal tissue	1(1-2)	2(1-2)	0.156
C3 deposited in renal tissue	3(2-3)	2(2-3)	0.276
C1q deposited in renal tissue	2(1-2)	2(1-3)	0.452

P < 0.05, bold values refer to the significant value between the two groups.

Supplementary Table 6 Association of rs2794521 with clinical, laboratory and renal pathological indexes of LN patients

	TT	TC	CC	<i>p</i> -value (TT <i>vs</i> TC)	<i>p</i> -value (TT <i>vs</i> CC)
Clinical Indexes					
Number of patients	187	73	8		
Age (mean±SD) (years)	32.00±12.37	32.45±11.51	30.75±12.75	0.293	0.381
Gender (male/female)	31/129	10/55	0/8	0.673	0.378
Number of fever (non-infection) (%)	38(20.3)	11(15.1)	3(37.5)	0.2	0.423
Number of malar rash (%)	47(25.1)	18(24.6)	4(50)	0.634	0.259
Number of photosensitivity (%)	21(11.2)	10(13.7)	0(0)	0.748	0.261
Number of alopecia (%)	24(12.8)	10(13.7)	1(12.5)	0.955	0.808
Number of oral ulcer (%)	13(6.9)	6(4.1)	3(37.5)	0.86	0.008
Number of arthritis (%)	48(25.7)	9(12.3)	2(25)	0.007	0.704
Number of serositis (%)	14(7.5)	7(9.6)	3(37.5)	0.7	0.011
Number of neurologic disorder (%)	4(2.1)	7(9.6)	0(0)	0.012	0.643
Number of anemia (%)	105(56.1)	39(53.4)	6(75)	0.18	0.616

Number of leucocytopenia (%)	51(27.3)	17(23.2)	5(62.5)	0.633	0.294
Number of thrombocytopenia (%)	25(13.4)	12(16.4)	3(37.5)	0.679	0.241
Number of hematuria (%)	117(62.3)	55(75.3)	8(100)	0.326	0.494
Number of leukocyturia (non-infection) (%)	71(37.9)	34(46.5)	2(25)	0.377	0.217
Number of nephrotic syndrome (%)	72(38.5)	42(57.5)	1(12.5)	0.046	0.292
ARF	16(8.5)	9(12.3)	2(25)	0.61	0.415
SLEDAI (median; inter-quartile range)	16(14-20)	17(12-24)	14(14-28)	0.415	0.805

Laboratory Indexes

Number of patients	187	73	8		
Hemoglobin (g/L) (mean±SD)	105.75±24.34	109.68±28.07	97.50±24.67	0.236	0.295
Urine protein (g/24 hours)	3.18(1.51-6.30)	2.61(2.31-8.29)	1.69(1.34-4.64)	0.05	0.203
Coombs test	35(18.7)	12(16.4)	3(37.5)	0.392	0.745
Serum creatinine (mmol/dL)	79.75(61.25-113.75)	83.5(67.25-125.17)	89.50.(20-729.3525)	0.172	0.819
C3	0.44(0.30-0.57)	0.42(0.32-0.61)	0.368(0.224-0.651)	0.776	0.417
CRP	2.49(1.00-4.65)	1.98(0.47-4.94)	0.685(0.06-30.24)	0.737	0.353
Number of positive ANA (%)	141(75.4)	55(75.3)	8(100)	0.216	0.56

Number of positive anti-dsDNA (%)	100(53.4)	43(58.9)	6(75)	0.727	0.68
Number of positive anti-Sm (%)	42(22.5)	15(20.5)	2(25)	0.647	0.655
Number of positive anti-SSA (%)	66(35.3)	24(32.9)	5(62.5)	0.415	0.348
Number of positive anti-SSB (%)	19(10.2)	7(9.6)	0(0)	0.748	0.274
Number of positive anti-RNP (%)	56(29.9)	21(28.8)	2(25)	0.546	0.431
Number of positive anti-cardiolipin (%)	6(3.2)	5(6.8)	0(0)	0.249	0.539
Number of positive ANCA (%)	5(2.6)	2(2.7)	1(12.5)	0.847	0.251

Renal Pathological Indexes

Number of biopsies	187	73	8		
AI score	7(4-9)	7(5-8)	6(3-7)	0.918	0.354
Endocapillary hypercellularity	2(1-3)	2(1-3)		0.855	
Cellular crescents	0(0-2)	0(0-1)		1	
Karyorrhexis/fibrinoid necrosis	0(0-2)	0(0-1)		0.469	
Subendothelial hyaline deposits	1(0-1)	1(0-3)		0.423	
Interstitial inflammation	1(0-1)	1(0-1)		0.181	
Glomerular leukocyte infiltration	0(0-1)	0(0-0)		0.039	

CI score	2(0-2)	1(0-2)	1(0-2)	0.581	0.974
Glomerular sclerosis	0(0-1)	0(0-0)		0.094	
Fibrous crescents	0(0-0)	0(0-2)		0.019	
Tubular atrophy	1(1-1)	1(0-2)		1	
Interstitial fibrosis	1(1-1)	1(0-2)		0.799	
IgA deposited in renal tissue	2(1-3)	2(1-2)	2(1-2)	0.61	0.911
IgG deposited in renal tissue	2(1-2)	2(1-3)	1(1-3)	0.313	0.971
IgM deposited in renal tissue	1(1-2)	1(0-2)	2(2-2)	0.583	0.102
C3 deposited in renal tissue	2(2-3)	2(2-3)	2(2-3)	0.777	0.932
C1q deposited in renal tissue	2(1-2)	2(1-3)	2(1-3)	0.824	0.508

P < 0.05, bold values refer to the significant value between the two groups.

Supplementary Table 7 Hardy-Weinberg equilibrium testing of CFH genotypes in healthy controls

CFH genotype	Normal n (%)	X^2	<i>p</i> -value
rs1061170 (T > C)			
TT	258 (85.15)	1.95	0.16
TC	45 (14.85)		
CC	0 (0.00)		
rs482934 (A > C)			
AA	258 (85.15)	1.95	0.16
AC	45 (14.85)		
CC	0 (0.00)		
rs1061147 (C > A)			
CC	257 (84.82)	2.04	0.15
CA	46 (15.18)		
AA	0 (0.00)		

Supplementary Table 8 Association of rs1061170 with clinical, laboratory and renal pathological indexes of LN patients

	TT	CT	<i>p</i> -value (TT <i>vs</i> CT)
Clinical Indexes			
Number of patients	212	22	
Age (mean±SD) (years)	33.69±12.15	31.5(24.5-37.2)	0.65
Gender (male/female)	34/178	44/27	0.151
Number of fever (non-infection) (%)	47(22.17)	5(22.73)	0.918
Number of malar rash (%)	63(29.72)	7(31.82)	0.806
Number of photosensitivity (%)	28(13.21)	3(13.63)	0.93
Number of alopecia (%)	31(14.62)	5(22.73)	0.295
Number of oral ulcer (%)	23(10.84)	0(0)	0.106
Number of arthritis (%)	55(25.94)	4(18.18)	0.446
Number of serositis (%)	18(8.49)	6(27.27)	0.005
Number of neurologic disorder (%)	10(4.71)	1(4.54)	0.985
Number of anemia (%)	137(64.62)	13(59.09)	0.008
Number of leucocytopenia (%)	63(29.72)	10(45.45)	0.401

Number of thrombocytopenia (%)	36(16.98)	5(22.73)	0.734
Number of hematuria (%)	163(76.89)	18(81.82)	0.973
Number of leukocyturia (non-infection) (%)	97(45.75)	11(50)	0.719
Number of nephrotic syndrome (%)	105(49.53)	10(45.45)	0.561
ARF	23(10.85)	4(18.18)	0.441
SLEDAI (median; inter-quartile range)	16(13-21)	18(15-21)	0.348

Laboratory Indexes

Number of patients	212	22	
Hemoglobin (g/L) (mean±SD)	105.73±25.73	112.50±23.78	0.295
Urine protein (g/24 hours)	3.45(1.85-6.58)	2.26(0.42-4.41)	0.017
Coombs test	45(21.23)	5(22.72)	0.977
Serum creatinine (mmol/dL)	80.80(64-114)	74.50(58.25-170.50)	0.85
C3	0.43(0.29-0.58)	0.49(0.36-0.61)	0.422
CRP	2.34(1.00-4.93)	1.67(1.46-2.88)	0.487
Number of positive ANA (%)	183(86.32)	22(100)	0.252
Number of positive anti-dsDNA (%)	136(64.15)	13(59.09)	0.307

Number of positive anti-Sm (%)	52(24.52)	8(36.36)	0.213
Number of positive anti-SSA (%)	85(40.09)	10(45.45)	0.899
Number of positive anti-SSB (%)	24(11.32)	2(9.09)	0.649
Number of positive anti-RNP (%)	72(33.96)	7(31.82)	0.601
Number of positive anti-cardiolipin (%)	10(4.72)	1(4.54)	0.996
Number of positive ANCA (%)	6(2.83)	3(13.63)	0.003

Renal Pathological Indexes

Number of biopsies	212	22	
AI score	7(5-9)	6(3-7)	0.155
Endocapillary hypercellularity	3(1-3)	1(1-3)	0.251
Cellular crescents	1(0-2)	0(0-2)	0.663
Karyorrhexis/fibrinoid necrosis	0(0-2)	0(0-0)	0.297
Subendothelial hyaline deposits	1(0-2)	0(0-1)	0.088
Interstitial inflammation	1(1-1)	1(1-1)	0.359
Glomerular leukocyte infiltration	1(0-1)	1(0-3)	0.892
CI score	1(0-2)	2(1-3)	0.083

Glomerular sclerosis	0(0-0)	0(0-1)	0.193
Fibrous crescents	0(0-0)	0(0-0)	0.201
Tubular atrophy	1(1-1)	1(1-1)	0.303
Interstitial fibrosis	1(1-1)	1(1-1)	0.75
IgA deposited in renal tissue	2(1-2)	2(0-3)	0.77
IgG deposited in renal tissue	2(1-2)	2(1-2)	0.565
IgM deposited in renal tissue	1(1-2)	1(0-2)	0.207
C3 deposited in renal tissue	2(2-3)	3(2-3)	0.808
C1q deposited in renal tissue	2(1-2)	2(1-2)	0.711

P < 0.05, bold values refer to the significant value between the two groups.

Supplementary Table 9 Pairwise Linkage Disequilibrium analysis of CRP and CFH SNPs in healthy controls

D' (r²)	rs1061147	rs482934	rs1061170
rs3093077	0.120 (0.006)	0.102 (0.004)	0.102 (0.004)
rs1205	0.108 (0.001)	0.017 (0.000)	0.095 (0.001)
rs1130864	0.873 (0.004)	0.855 (0.003)	0.855 (0.003)
rs1800947	0.328 (0.000)	0.288 (0.000)	0.288 (0.000)
rs3091244	0.114 (0.002)	0.095 (0.001)	0.095 (0.001)
rs2794521	0.163 (0.000)	0.402 (0.002)	0.272 (0.001)