

**Molecular signatures of intrarenal complement receptors *C3AR1* and *C5AR1*
correlate with renal outcome in human lupus nephritis**

Supplemental material

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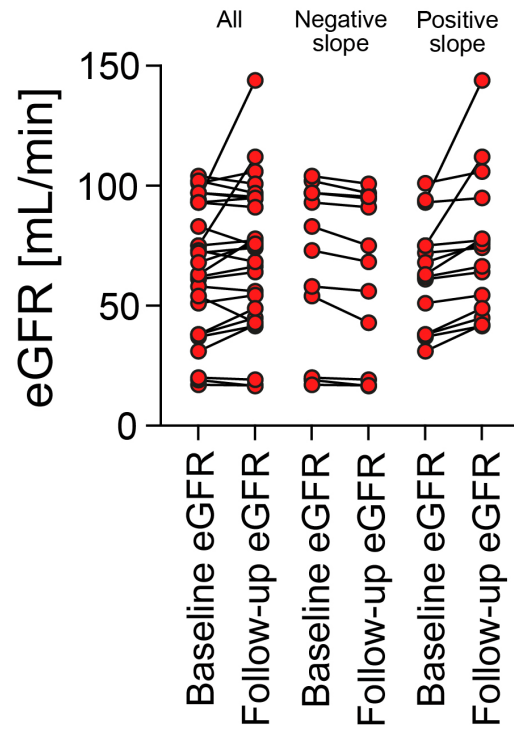
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Supplemental Figure 1

Baseline and follow-up eGFR are shown calculated based on eGFR slope.

Parameter	Value
Female – no. (%)	18 (75)
Age – years	35.6±14.1
Serum creatinine – mg/dL	1.1 (0.9 to 1.6)
Proteinuria – g/24 hours	1.8 (0.8 to 4.2)
Baseline GFR – mL/min/1.73 m ²	62.3±26.7
GFR slope – mL/min/1.73 m ² per year	2.6 (-2.0 to 7.6)

Categorical variables are presented as frequency and percentage, mean±SD are shown for normally distributed values, and median (IQR) for non-normally distributed values.

Supplemental Table 2. Included samples for glomerular mRNA expression levels of complement components with available data for lupus nephritis class and GFR slope.		
Sample name	Lupus nephritis class	GFR slope per year
LN402_Glom	Class IV	4.958448515
LN404_Glom	Class II	49.96546067
LN405_Glom	Class II	-1.612261619
LN406_Glom	Class IV	4.459519742
LN407_Glom	Class IV	3.086092528
LN408_Glom	Class IV	-0.210183092
LN409_Glom	Class II	37.10504736
LN410_Glom	Class IV	4.621487095
LN411_Glom	Class IV	-1.880480943
LN412_Glom	Class IV	6.955256086
LN413_Glom	Class IV	-2.377861108
LN414_Glom	Class II	3.488368579
LN418_Glom	Class IV	-0.776793162
LN419_Glom	Class IV	11.07525153
LN440_Glom	Class IV	-4.744832513
LN442_Glom	Class II	-11.01588705
LN445_Glom	Class IV	10.95524633
LN450_Glom	Class III	2.127400855
LN462_Glom	Class III	14.98655473
LN463_Glom	Class III	-7.985578763
LN464_Glom	Class III	-2.284700347
LN465_Glom	Class III	7.789398888
LN466_Glom	Class II	1.894894043
LN467_Glom	Class III	-1.998540763

Supplemental Table 3. Included samples for tubulointerstitial mRNA expression levels of complement components with available data for GFR slope and lupus nephritis class.

Sample name	Lupus nephritis class	GFR slope per year
LN302_Tub	Class IV	4.958448515
LN304_Tub	Class II	49.96546067
LN305_Tub	Class II	-1.612261619
LN306_Tub	Class IV	4.459519742
LN307_Tub	Class IV	3.086092528
LN308_Tub	Class IV	-0.210183092
LN309_Tub	Class II	37.10504736
LN310_Tub	Class IV	4.621487095
LN311_Tub	Class IV	-1.880480943
LN312_Tub	Class IV	6.955256086
LN313_Tub	Class IV	-2.377861108
LN314_Tub	Class II	3.488368579
LN318_Tub	Class IV	-0.776793162
LN319_Tub	Class IV	11.07525153
LN338_Tub	Class IV	-4.744832513
LN340_Tub	Class II	-11.01588705
LN343_Tub	Class IV	10.95524633
LN348_Tub	Class III	2.127400855
LN357_Tub	Class III	14.98655473
LN358_Tub	Class III	-7.985578763
LN359_Tub	Class III	-2.284700347
LN360_Tub	Class III	7.789398888
LN361_Tub	Class II	1.894894043
LN362_Tub	Class III	-1.998540763

Supplemental Table 4. Whole dataset extracted from Nephroseq.		
Sample name	C3AR1 mRNA expression	C5AR1 mRNA expression
Leiden473_Glom	0.61396	-1.46453
Leiden468_Glom	0.52662	-1.69722
Leiden469_Glom	0.21036	-1.38802
Leiden470_Glom	1.29588	-1.24024
Leiden471_Glom	0.54459	-1.41709
Leiden472_Glom	0.5122	-1.37474
Leiden474_Glom	0.3861	-1.4127
Leiden475_Glom	0.67133	-1.58303
Stanford476_Glom	1.05271	-1.15377
Stanford478_Glom	0.19263	-1.62955
Stanford479_Glom	0.48709	-1.64992
Stanford480_Glom	0.26018	-1.48632
Stanford481_Glom	0.42058	-1.56896
Stanford482_Glom	0.33961	-1.51348
LN401_Glom	3.13379	-0.8477
LN402_Glom	3.38915	0.1869
LN404_Glom	1.17996	-1.21
LN405_Glom	2.74917	-0.96293
LN406_Glom	4.55495	1.58669
LN407_Glom	3.26936	-0.36811
LN408_Glom	2.61459	-1.17231
LN409_Glom	4.41662	0.36897
LN410_Glom	4.1042	-0.51599
LN411_Glom	3.24863	-1.13088
LN412_Glom	3.95408	-0.12674
LN413_Glom	1.4784	-1.35356
LN414_Glom	2.51199	-1.17229
LN418_Glom	2.63892	-0.93359
LN419_Glom	2.40726	-1.25433
LN423_Glom	0.20629	-1.53207
LN430_Glom	3.43504	-0.00928
LN438_Glom	3.01978	-0.91925
LN440_Glom	3.64878	0.3311
LN442_Glom	0.94653	-1.55184
LN444_Glom	2.94764	-0.98229
LN445_Glom	4.28181	0.37248
LN448_Glom	2.72485	-0.97585
LN450_Glom	3.05389	-0.29732
LN451_Glom	1.99539	-1.40069
LN454_Glom	3.28459	-0.55439
LN462_Glom	4.32296	1.0502
LN463_Glom	2.82516	-0.62067
LN464_Glom	2.55747	-0.92211
LN465_Glom	3.73304	0.11056
LN466_Glom	2.49566	-0.47735
LN467_Glom	3.16919	-0.51849