

Supplementary Table 1. Association of known IgAN susceptibility loci with serum Gd-IgA1 levels in the joint analysis of the discovery cohorts (total N=1,195): The association results were adjusted for age, total IgA, case-control status, ancestry, and cohort membership.

Chr	SNP	IgAN risk allele	Frequency	Effect on Gd-IgA1	StdErr	P-value	Genes in Locus
1	rs17019602	G	0.80	0.02	0.04	0.60 (NS)	<i>VAV3</i>
1	rs6677604	G	0.09	0.06	0.06	0.28 (NS)	<i>CFHR3-CFHR1</i> deletion
6	rs7763262	C	0.26	0.03	0.04	0.40 (NS)	<i>HLA-DR-HLA-DQ</i>
6	rs9275224	G	0.40	0.04	0.03	0.14 (NS)	<i>HLA-DR-HLA-DQ</i>
6	rs2856717	G	0.25	0.05	0.03	0.17 (NS)	<i>HLA-DR-HLA-DQ</i>
6	rs9275596	T	0.21	0.04	0.04	0.21 (NS)	<i>HLA-DR-HLA-DQ</i>
6	rs2071543	G	0.18	-0.08	0.04	0.03 (NS)	<i>TAP2-PSMB9</i>
6	rs1883414	G	0.22	0.01	0.04	0.74 (NS)	<i>HLA-DP</i>
8	rs2738048	T	0.29	0.02	0.03	0.49 (NS)	<i>DEFA</i>
8	rs10086568	A	0.70	0.01	0.03	0.83 (NS)	<i>DEFA</i>
9	rs4077515	T	0.68	0.05	0.03	0.11 (NS)	<i>CARD9</i>
16	rs11150612	A	0.30	0.01	0.03	0.76 (NS)	<i>ITGAM-ITGAX</i>
16	rs11574637	T	0.17	0.02	0.12	0.84 (NS)	<i>ITGAM-ITGAX</i>
17	rs3803800	A	0.68	0.00	0.03	0.91 (NS)	<i>TNFSF13</i>
22	rs2412971	G	0.36	0.01	0.03	0.85 (NS)	<i>HORMAD2, LIF, OSM</i>