

Gene Name	Class III			Class IV			Class V		
	FC	BH p value	Percent change	FC	BH p value	Percent change	FC	BH p value	
ISG15	3.42	6.38E-07	16.37	3.98	1.64E-11	-27.78	2.47	0.000124	
MX1	2.97	3.99E-08	16.16	3.45	6.79E-13	-34.01	1.96	9.79E-05	
C1QB	2.95	1.14E-07	-4.41	2.82	1.88E-10	-51.53	1.43	0.00391	
C1QA	2.70	1.94E-07	-8.52	2.47	1.06E-09	-48.52	1.39	0.00325	
CD163	2.65	4.47E-06	9.81	2.91	7.90E-10	-42.26	1.53	0.00471	
IFI27	2.57	3.81E-08	12.45	2.89	6.79E-13	-38.52	1.58	0.000124	
OAS3	2.53	1.61E-06	17.00	2.96	4.60E-11	-36.36	1.61	0.00124	
STAT1	2.52	3.49E-08	8.73	2.74	6.79E-13	-36.90	1.59	9.79E-05	
IFIT1	2.20	2.24E-05	11.82	2.46	5.54E-09	-40.45	1.31	0.00843	
IFITM1	2.01	7.45E-08	11.44	2.24	2.89E-12	-35.32	1.30	0.000124	
MX2	1.96	1.38E-05	36.22	2.67	3.29E-11	-22.45	1.52	0.00056	
DDX58	1.95	7.78E-06	23.59	2.41	1.32E-10	-30.77	1.35	0.00144	
CYBB	1.94	1.76E-07	10.31	2.14	1.41E-11	-10.82	1.73	6.08E-06	
SIGLEC1	1.90	1.38E-05	26.32	2.40	1.88E-10	-45.26	1.04	0.0122	
LCP1	1.90	0.000168	5.79	2.01	2.47E-07	-41.58	1.11	0.0187	
CD53	1.89	2.26E-06	5.29	1.99	7.90E-10	-21.16	1.49	0.000124	
BST2	1.81	6.01E-06	-4.97	1.72	3.03E-08	-39.78	1.09	0.00415	
PSMB9	1.66	4.87E-08	6.63	1.77	5.18E-12	-37.95	1.03	0.000148	
CTSS	1.62	0.00227	16.67	1.89	2.29E-06	-27.78	1.17	0.0191	
IFI35	1.47	0.00227	22.45	1.80	9.42E-07	-19.73	1.18	0.0106	
HLA-A	1.47	2.82E-06	18.37	1.74	7.82E-11	-44.08	0.82	0.00487	
IRF7	1.45	0.0106	73.10	2.51	2.24E-08	-4.14	1.39	0.00983	
HLA-B	1.44	1.15E-05	2.78	1.48	1.34E-08	-39.86	0.87	0.00544	
ITGB2	1.43	0.00209	0.70	1.44	1.84E-05	-29.37	1.01	0.0201	
CEBPB	1.38	0.000498	15.22	1.59	2.47E-07	-28.99	0.98	0.0106	
CD14	1.38	0.0019	18.12	1.63	1.15E-06	-3.62	1.33	0.00239	
PSMB8	1.31	3.49E-08	9.92	1.44	6.79E-13	-36.49	0.83	9.79E-05	
TAP2	1.29	0.00206	51.94	1.96	8.22E-09	-31.09	0.89	0.0223	
FCGR2A	1.27	0.00344	11.02	1.41	9.80E-06	-22.36	0.99	0.017	
IFI16	1.21	0.000378	40.50	1.70	1.79E-09	-6.61	1.13	0.000715	
HLA-DMB	1.19	0.00254	-7.56	1.10	8.83E-05	-10.08	1.07	0.00517	
CCL2	1.18	0.0412	54.24	1.82	7.72E-06	21.19	1.43	0.00768	
PTPRC	1.13	0.0198	39.82	1.58	6.39E-06	0.00	1.13	0.0122	
C1S	1.09	0.00919	36.70	1.49	1.67E-06	35.78	1.48	0.000297	
IFIH1	1.07	0.0348	88.79	2.02	1.48E-07	-13.93	0.92	0.0457	
TLR4	1.06	0.0248	17.92	1.25	0.000108	-16.89	0.88	0.0408	
CD74	1.06	0.00221	24.53	1.32	5.79E-07	-26.51	0.78	0.0167	
CCL5	1.03	0.0473	21.36	1.25	0.000269	10.68	1.14	0.0155	
ITGAL	0.98	0.00926	-2.85	0.96	0.000254	-26.25	0.73	0.039	
HLA-DPB1	0.96	0.0106	-25.03	0.72	0.00388	-15.16	0.82	0.0193	
HLA-E	0.96	6.13E-06	-9.15	0.87	8.33E-08	-50.00	0.48	0.0143	
C1R	0.93	0.00292	31.75	1.22	4.04E-07	29.59	1.20	0.000124	
F13A1	0.87	0.0375	78.37	1.55	4.94E-07	12.89	0.98	0.0106	
SERPING1	0.82	7.28E-05	29.27	1.06	9.22E-10	-14.15	0.70	0.000558	
APOL1	0.80	0.000378	50.38	1.20	4.23E-10	24.19	0.99	4.52E-05	
HLA-DRA	0.78	0.0106	28.21	1.00	6.39E-06	-11.28	0.69	0.0155	
STAT2	0.69	0.000378	49.93	1.03	5.01E-10	-17.47	0.57	0.0029	
IFNGR1	0.68	0.0151	40.53	0.96	3.31E-06	1.17	0.69	0.00983	
TAPBP	0.63	0.0119	53.55	0.97	4.04E-07	8.37	0.69	0.00471	
NFKBIA	0.62	0.00191	-18.61	0.50	0.00026	-36.41	0.39	0.034	
IFITM2	0.45	0.0214	92.44	0.87	1.79E-08	64.67	0.74	0.000124	
JAK1	0.39	0.00824	21.12	0.48	9.17E-06	-7.38	0.36	0.00988	

**Supplemental Table 2: 52 Genes statistically significant in all lupus nephritis (LN) classes.** Fold change (FC) and Benjamini-Hochberg (BH) adjusted p values obtained for each LN class relative to thin basement membrane disease samples. Genes are ordered from highest to lowest FC based on values obtained from Class III LN. Percentage change (%) from Class III FC is shown for Class IV and V LN.