

# DisGeNET Top pathways by non-permutation

Geneset	stat	num.genes	pval	p.adj	gene.vals
Rheumatoid Arthritis	0.04294391	1424	1.251e-07	1.227e-03	VCAM1:2 F13B:5 OSMR:8 CXCL13:16 APOA1:19 PHTF1:20
Lupus Erythematosus, Systemic	0.05319530	830	2.891e-07	1.418e-03	VCAM1:2 OSMR:8 SAMHD1:10 CXCL13:16 APOA1:19 TLR8:28
Hepatitis C	0.06119274	576	6.718e-07	2.197e-03	APOA1:19 TJP1:23 TLR8:28 AKR1B1:29 IFNAR1:39 CLU:47
Infection	0.07243139	387	1.179e-06	2.891e-03	VCAM1:2 CXCL13:16 APOA1:19 IFNAR1:39 ENG:55 TNFSF10:94
HIV Infections	0.05674026	617	1.929e-06	3.153e-03	VCAM1:2 SAMHD1:10 CXCL13:16 APOA1:19 TLR8:28 FTO:69
Immune thrombocytopenic purpura	0.11530131	145	1.739e-06	3.153e-03	CXCL13:16 MRC1:72 TNFSF10:94 SELP:102 CX3CR1:147 RHD:196
Rheumatoid Nodule	0.31742712	18	3.136e-06	4.395e-03	VCAM1:2 TLR9:125 MTR:190 SELE:207 TNF:424 IL10:543
Seizures	0.04230758	1060	4.977e-06	6.103e-03	PIGG:38 CLU:47 SCN9A:49 SCN11A:50 ENG:55 RNF213:66
Aortic Aneurysm, Abdominal	0.08676262	225	7.910e-06	8.622e-03	VCAM1:2 APOA1:19 CNTN3:40 EHMT1:97 ICAM2:124 CX3CR1:147
Myocardial Infarction	0.04647535	809	9.459e-06	9.279e-03	VCAM1:2 F13B:5 ANK2:6 APOA1:19 ENG:55 FTO:69
Metastatic Carcinoma	0.24902489	26	1.113e-05	9.928e-03	CLU:47 TNFSF10:94 TP53:307 PGR:460 CDCP1:475 EGFR:477
Mycosis Fungoides	0.12468761	102	1.397e-05	1.142e-02	TLR9:125 UCHL1:214 CD28:238 YY1:261 TP53:307 RHOF:372
Atherosclerosis	0.04265535	925	1.523e-05	1.149e-02	VCAM1:2 CXCL13:16 APOA1:19 AKR1B1:29 CLU:47 ENG:55
Diabetes Mellitus, Insulin-Dependent	0.04690420	729	2.065e-05	1.233e-02	VCAM1:2 APOA1:19 TJP1:23 AKR1B1:29 ITGA4:46 ENG:55
Allergic Reaction	0.18743247	43	2.136e-05	1.233e-02	SELP:102 IL5RA:241 IL16:412 ALB:422 TNF:424 CCR6:544
Encephalitis	0.11219002	121	2.098e-05	1.233e-02	VCAM1:2 IFNAR1:39 MRC1:72 CX3CR1:147 ATP6V0A1:198 TP53:307
Hepatitis	0.08063475	240	1.822e-05	1.233e-02	VCAM1:2 TNFSF10:94 SELP:102 TLR9:125 VIPR1:159 TSLP:167
Lymphoma, Non-Hodgkin	0.05927688	436	2.526e-05	1.304e-02	VCAM1:2 TNFSF10:94 TLR9:125 CX3CR1:147 MTR:190 SELE:207
Graft-vs-Host Disease	0.09315913	173	2.496e-05	1.304e-02	VCAM1:2 TNFSF10:94 CTSH:186 GZMA:251 FLT3:255 PECAM1:280
Malaria	0.06445301	363	2.767e-05	1.357e-02	VCAM1:2 CSMD1:21 IFNAR1:39 CLU:47 DDC:54 P4HB:118
Malaria, Falciparum	0.14546031	67	3.900e-05	1.739e-02	TLR9:125 SELE:207 IFNGR1:265 PECAM1:280 TNF:424 IL10:543
Inflammation	0.06395535	355	3.876e-05	1.739e-02	VCAM1:2 APOA1:19 CLU:47 KYNU:78 TNFSF10:94 SELP:102
Peritonitis	0.11865988	100	4.241e-05	1.809e-02	VCAM1:2 OSMR:8 MRC1:72 MERTK:126 TMEM67:136 CX3CR1:147
Hepatitis B, Chronic	0.09079500	169	4.885e-05	1.916e-02	APOA1:19 IFNAR1:39 TNFSF10:94 TLR9:125 SELE:207 TCF19:244
Pre-Eclampsia	0.10352483	129	5.078e-05	1.916e-02	VCAM1:2 ITGA4:46 CLU:47 ENG:55 SELP:102 CRH:128
Virus Diseases	0.04683624	660	4.969e-05	1.916e-02	VCAM1:2 SAMHD1:10 TLR8:28 AKR1B1:29 IFNAR1:39 MRC1:72
Anti-Basement Membrane Glomerulonephriti	0.21223782	30	5.772e-05	2.088e-02	ITGA4:46 CLU:47 SELP:102 CX3CR1:147 CD80:335 TNF:424
Hypersensitivity	0.09780612	142	5.961e-05	2.088e-02	AKR1B1:29 SELP:102 CRHR1:134 TSLP:167 HSPD1:201 IL5RA:241
Neuroblastoma	0.03278480	1399	6.219e-05	2.104e-02	HERC2:1 VCAM1:2 ANK2:6 CHL1:11 LRRN3:12 CXCL13:16
Hepatitis C, Chronic	0.06938966	281	6.779e-05	2.217e-02	TLR8:28 IFNAR1:39 ENG:55 P4HB:118 SCARB1:137 CX3CR1:147
Lichen Planus, Oral	0.16937965	46	7.125e-05	2.255e-02	VCAM1:2 ITGA4:46 TSLP:167 SELE:207 TP53:307 TNF:424
Arteriosclerosis	0.03948100	892	8.253e-05	2.396e-02	VCAM1:2 CXCL13:16 APOA1:19 AKR1B1:29 CLU:47 ENG:55
Degenerative polyarthritis	0.04110600	817	8.304e-05	2.396e-02	VCAM1:2 CXCL13:16 APOA1:19 ITGA4:46 CLU:47 SCN9A:49
Lymphoproliferative Disorders	0.08787473	170	8.084e-05	2.396e-02	CXCL13:16 MRC1:72 TNFSF10:94 CD28:238 YY1:261 PECAM1:280
Liver Failure, Acute	0.11660549	95	8.782e-05	2.461e-02	CX3CR1:147 CYP2E1:229 MET:272 AFM:420 ALB:422 TNF:424
Central neuroblastoma	0.03230408	1359	9.789e-05	2.527e-02	HERC2:1 VCAM1:2 ANK2:6 CHL1:11 LRRN3:12 CXCL13:16
Choriocarcinoma	0.07322551	242	9.318e-05	2.527e-02	ENG:55 CRH:128 HSPB1:183 TP53:307 ABCC1:353 TNF:424
early pregnancy	0.10831100	109	9.618e-05	2.527e-02	KDM5B:32 CRH:128 SLC43A2:188 RHD:196 CD28:238 TP53:307
Periodontitis, Juvenile	0.12854198	76	1.088e-04	2.738e-02	VCAM1:2 SELE:207 TP53:307 TNF:424 BRINP3:429 IL10:543
Arthritis, Adjuvant-Induced	0.17875773	38	1.382e-04	3.102e-02	DNASE2:354 ALB:422 TNF:424 EGFR:477 IL10:543 IL33:657