

# DisGeNET Top pathways by non-permutation

Geneset	stat	num.genes	pval	p.adj	gene.vals
Lupus Erythematosus, Systemic	0.04895403	832	2.280e-06	2.237e-02	SLCO6A1:11 ABCC1:42 TCF19:54 CR2:63 BTNL2:100 CASP8:112
Erythrokeratoderma	-0.21498079	38	4.570e-06	2.242e-02	DSP:3 KRT17:33 DSG2:124 FAM83G:129 CARD14:190 TRPV3:225
Palmoplantar Keratosis	-0.13889148	85	9.840e-06	3.218e-02	PLEC:2 DSP:3 TGM1:5 ABCA12:7 PKP1:21 KRT17:33
Left ventricular noncompaction cardiomyo	-0.23447347	28	1.763e-05	4.323e-02	PLEC:2 DSP:3 MYH7B:9 TNNT2:61 PRDM16:322 MUL1:680
Rheumatoid Arthritis	0.03354492	1429	3.539e-05	6.944e-02	ZFYVE9:2 SLCO6A1:11 LRPPRC:15 MEFV:18 ZNF302:19 TCF19:54
Lymphoma, Non-Hodgkin	0.05697980	438	4.944e-05	7.797e-02	SLCO6A1:11 ABCC1:42 CYP17A1:58 CR2:63 CASP8:112 GLB1:131
Epidermolysis Bullosa Simplex	-0.26714495	19	5.564e-05	7.797e-02	PLEC:2 KRT80:10 ITGB4:16 KRT17:33 TGM5:43 KRT14:269
Gastric Cardia Carcinoma	0.30712240	14	6.938e-05	8.031e-02	SLCO6A1:11 CDKN2A:199 MDM2:320 CYP1A1:732 TPT1:815 TLR4:993
Immune thrombocytopenic purpura	0.09533994	145	7.692e-05	8.031e-02	RHD:55 CR2:63 HLA-DOA:73 FAS:168 PECAM1:176 MBD4:241
Substance-Related Disorders	-0.10745298	113	8.186e-05	8.031e-02	MYO5C:42 SYNE1:77 CADPS2:125 QSOX1:142 ANK3:179 HSPA12A:183
Parakeratosis	-0.29155198	15	9.264e-05	8.262e-02	DSP:3 CARD14:190 TRPV3:225 NIPAL4:334 IL23A:483 RHBDF2:732
FANCONI ANEMIA, COMPLEMENTATION GROUP A	0.07720042	209	1.262e-04	8.841e-02	MEFV:18 FANCM:24 BRCA2:26 ATAD5:105 CASP8:112 SLX4:117
Leprosy	0.11016493	102	1.238e-04	8.841e-02	BTNL2:100 CASP8:112 VCAM1:195 LRRK2:297 SLC26A3:586 IL23R:602
Mitochondrial Diseases	0.06080608	344	1.168e-04	8.841e-02	LRPPRC:15 TMEM126B:39 FASTKD2:61 ERCC6L2:94 GGTLC3:114 NDUFB4:150
Chromosome Breakage	0.17651681	39	1.375e-04	8.994e-02	FANCM:24 BRCA2:26 SLX4:117 BRIP1:359 ATM:812 FANCA:957
Hashimoto Disease	0.08922423	151	1.600e-04	9.231e-02	HLA-DOA:73 CASP8:112 SCARB1:130 ECD:165 FAS:168 MET:317
Peritonitis	0.10910122	101	1.551e-04	9.231e-02	SLCO6A1:11 MEFV:18 ABCC1:42 FAS:168 VCAM1:195 OSMR:358
Mixed cryoglobulinemia	0.19094885	32	1.863e-04	1.015e-01	CR2:63 TSLP:341 ITGAX:556 CXCL13:577 IFNG:1261 TNF:1447
Arthritis, Infectious	0.35738076	9	2.052e-04	1.018e-01	MEFV:18 TREM1:1089 IFNG:1261 TNF:1447 ITGA2:1526 CXCL10:1766
Organic Mental Disorders, Substance-Indu	-0.10377925	106	2.282e-04	1.018e-01	MYO5C:42 SYNE1:77 CADPS2:125 QSOX1:142 HSPA12A:183 CSRNP3:328
Hepatitis	0.06958968	240	2.168e-04	1.018e-01	SLCO6A1:11 SLCO1B1:40 CASP8:112 VCAN:146 FAS:168 PECAM1:176
Prescription Drug Abuse	-0.10377925	106	2.282e-04	1.018e-01	MYO5C:42 SYNE1:77 CADPS2:125 QSOX1:142 HSPA12A:183 CSRNP3:328
Alveolar Bone Loss	0.20052169	27	3.117e-04	1.133e-01	C1S:514 TLR4:993 IFNG:1261 C1R:1280 MFGE8:1367 CXCR2:1384
Hypotrichosis	-0.14609368	51	3.101e-04	1.133e-01	TGM1:5 ABCA12:7 PKP1:21 DSC3:78 EDAR:170 TRPV3:225
Pancytopenia	0.10485544	100	2.972e-04	1.133e-01	FANCM:24 ERCC6L2:94 SLX4:117 GLB1:131 ACD:231 TNFRSF8:330
Primary microcephaly	0.10354354	103	2.888e-04	1.133e-01	FANCM:24 BRCA2:26 SLX4:117 CENPE:124 CKAP2L:266 CEP135:345
Substance Dependence	-0.09338232	126	3.030e-04	1.133e-01	MYO5C:42 SYNE1:77 CADPS2:125 QSOX1:142 HTR1B:169 HSPA12A:183
Drug Use Disorders	-0.09804830	109	4.148e-04	1.356e-01	MYO5C:42 SYNE1:77 CADPS2:125 QSOX1:142 HSPA12A:183 CSRNP3:328
Fabry Disease	0.16155846	40	4.096e-04	1.356e-01	MEFV:18 GLB1:131 VCAM1:195 SI:206 CTH:435 CHDH:487
Substance abuse problem	-0.08798086	137	3.886e-04	1.356e-01	MYO5C:42 SYNE1:77 CADPS2:125 QSOX1:142 HTR1B:169 ANK3:179
Drug Dependence	-0.08078952	160	4.359e-04	1.361e-01	PER2:30 MYO5C:42 SYNE1:77 CADPS2:125 QSOX1:142 HTR1B:169
Helminthiasis	0.21597059	22	4.551e-04	1.361e-01	AGXT:272 TNFRSF8:330 ITGAX:556 IL33:714 SPZ1:755 FOXP3:891
Inflammation	0.05446447	355	4.580e-04	1.361e-01	MEFV:18 TREML2:38 EGF:89 F11:93 IL4R:121 FAS:168
Chronic Periodontitis	0.09554857	111	5.173e-04	1.371e-01	SLAMF7:10 LRPPRC:15 IL4R:121 CDKN2A:199 ELANE:348 PYCARD:631
Drug habituation	-0.09013988	126	4.879e-04	1.371e-01	MYO5C:42 SYNE1:77 CADPS2:125 QSOX1:142 HSPA12A:183 CSRNP3:328
Malignant neoplasm of vulva	0.18988749	28	5.077e-04	1.371e-01	CDKN2A:199 CCNB1:583 IL18R1:619 SPZ1:755 TP53:1078 CA9:1269
Trachoma	0.22500000	20	4.962e-04	1.371e-01	IL18R1:619 FOXP3:891 IL10RA:1012 IFNG:1261 LYVE1:1339 TNF:1447
Aplastic Anemia	0.09322358	115	5.666e-04	1.425e-01	SLCO6A1:11 EGF:89 FAS:168 THBD:177 TET2:198 ACD:231
Malaria	0.05301622	364	5.550e-04	1.425e-01	SLCO6A1:11 BRCA2:26 ABCC1:42 IFNAR1:66 IL17RE:87 EGF:89
Lymphoma	0.03202122	1048	5.859e-04	1.437e-01	SLCO6A1:11 MEFV:18 BRCA2:26 ABCC1:42 CYP17A1:58 CR2:63