

DisGeNET Top pathways by non-permutation

Geneset	stat	num.genes	pval	p.adj	gene.vals
Schizophrenia	−0.04247106	1625	2.945e−08	2.889e−04	HERC2:1 CHL1:3 APOA1:12 UGT8:17 LTN1:19 SLC26A7:32
Neoplasm Metastasis	−0.02857344	3142	1.395e−06	6.841e−03	CHL1:3 KDM5B:7 WWP1:9 APOA1:12 TJP1:14 UGT8:17
Bilateral cataracts (disorder)	−0.13051022	104	4.395e−06	1.437e−02	AKR1B1:43 TDRD7:99 HSF4:143 STOM:334 COL4A1:340 CRYM:632
Alzheimer's Disease	−0.03370734	1666	8.683e−06	1.879e−02	CHL1:3 APOA1:12 VCAM1:21 SLC26A7:32 BLMH:37 F13B:40
Hepatitis C	−0.05359554	596	9.577e−06	1.879e−02	APOA1:12 TJP1:14 AKR1B1:43 CLU:88 TNFSF10:97 GGTL3:123
Glioblastoma	−0.03352049	1597	1.401e−05	2.291e−02	APOA1:12 VCAM1:21 KIF14:29 AKR1B1:43 ZNF131:46 MMP16:48
Neuroblastoma	−0.03429693	1452	2.001e−05	2.804e−02	HERC2:1 ANK2:2 CHL1:3 LRRN3:4 KDM5B:7 VCAM1:21
Central neuroblastoma	−0.03391847	1413	3.076e−05	3.772e−02	HERC2:1 ANK2:2 CHL1:3 LRRN3:4 KDM5B:7 VCAM1:21
Rheumatoid Arthritis	−0.03319175	1456	3.591e−05	3.914e−02	APOA1:12 PHTF1:20 VCAM1:21 N4BP1:34 F13B:40 MMP16:48
Autism Spectrum Disorders	−0.05413200	483	5.274e−05	4.466e−02	HERC2:1 LRRN3:4 ATP10A:31 MMP16:48 CSMD1:54 EHMT1:61
Autistic Disorder	−0.04813064	615	5.463e−05	4.466e−02	CHL1:3 CNTN3:13 ZNF277:23 ATP10A:31 EHMT1:61 TUBGCP5:98
Neuralgia	−0.12838207	83	5.380e−05	4.466e−02	SCN9A:8 CXCL13:50 SLC12A5:91 GRM2:209 TNF:248 SCN11A:308
Thyroid Neoplasm	−0.05720790	417	6.869e−05	5.184e−02	TJP1:14 BAX:84 CLU:88 TNFSF10:97 SELP:130 PROM1:131
Diabetes Mellitus, Insulin-Dependent	−0.04200998	744	1.166e−04	7.625e−02	APOA1:12 TJP1:14 VCAM1:21 CAMSAP2:35 AKR1B1:43 EHMT1:61
Epilepsy, Cryptogenic	−0.14317178	61	1.114e−04	7.625e−02	SLC12A5:91 VDAC2:142 UBE3A:156 SCN2A:265 ALB:373 GABRB3:618
Amyloidosis	−0.04259303	707	1.367e−04	8.382e−02	APOA1:12 VCAM1:21 CYLD:81 CLU:88 HSPB1:96 OSMR:132
Epilepsy, Temporal Lobe	−0.08515318	164	1.745e−04	8.708e−02	SLC12A5:91 TNFSF10:97 VDAC2:142 PAG1:169 GRM2:209 CRH:212
Aura	−0.14122645	59	1.775e−04	8.708e−02	SLC12A5:91 VDAC2:142 UBE3A:156 SCN2A:265 ALB:373 GABRB3:618
Awakening Epilepsy	−0.14122645	59	1.775e−04	8.708e−02	SLC12A5:91 VDAC2:142 UBE3A:156 SCN2A:265 ALB:373 GABRB3:618
Degenerative polyarthritis	−0.03897887	830	1.680e−04	8.708e−02	SCN9A:8 APOA1:12 VCAM1:21 CXCL13:50 CALCR:65 DDR2:87
Seminoma	−0.08253845	173	1.875e−04	8.760e−02	BAX:84 CLU:88 GGTL3:123 PROM1:131 TNF:248 GH1:328
Allergic Reaction	−0.16168183	44	2.083e−04	9.087e−02	SELP:130 TNF:248 MTHFR:280 ALB:373 IL5RA:491 IL18:605
Liver carcinoma	−0.02275491	2819	2.157e−04	9.087e−02	KDM5B:7 WWP1:9 APOA1:12 TJP1:14 VCAM1:21 E2F5:26
Mammary Neoplasms	−0.02593267	1999	2.223e−04	9.087e−02	HERC2:1 KDM5B:7 WWP1:9 CNTN3:13 TJP1:14 PPP1R12B:16
Malignant lymphoma, lymphocytic, interme	−0.06309278	289	2.392e−04	9.327e−02	BAX:84 TNFSF10:97 MRC1:144 CCNE1:154 PAG1:169 TNF:248
insulinoma	−0.08661366	151	2.472e−04	9.327e−02	EHMT1:61 HSPD1:136 MRC1:144 KCNH4:153 ATF6:183 YY1:266
Lymphoma, T-Cell, Cutaneous	−0.07268804	213	2.681e−04	9.507e−02	BAX:84 TNFSF10:97 TNF:248 TP53:435 IL2:570 CD80:595
Rheumatoid Nodule	−0.24732135	18	2.810e−04	9.507e−02	VCAM1:21 TLR9:231 TNF:248 MTR:443 SELE:476 IL2:570
Tumor Progression	−0.02711649	1730	2.773e−04	9.507e−02	CHL1:3 KDM5B:7 APOA1:12 VCAM1:21 KIF14:29 AKR1B1:43
Neurodegenerative Disorders	−0.04176275	652	3.189e−04	1.009e−01	APOA1:12 BLMH:37 CXCL13:50 TRPM7:75 GDAP1:77 BAX:84
Seizures	−0.03293590	1088	3.169e−04	1.009e−01	SCN9A:8 UGT8:17 PIGG:22 SEC24D:38 NSD2:62 CLU:88
HIV Infections	−0.04191193	639	3.463e−04	1.062e−01	APOA1:12 VCAM1:21 SAMHD1:27 CXCL13:50 CYLD:81 BAX:84
Other cataract	−0.19795018	27	3.719e−04	1.106e−01	AKR1B1:43 GSR:536 IL18:605 MAP2K1:699 CRYBA4:742 GJA3:867
Presenile dementia	−0.05842118	314	3.969e−04	1.145e−01	APOA1:12 VCAM1:21 BLMH:37 TRPM7:75 BAX:84 CLU:88
Pain, Postoperative	−0.22165933	21	4.385e−04	1.197e−01	SCN9A:8 TNF:248 SCN11A:308 CRHR1:431 TRPV1:752 ABCB1:1103
Myocardial Ischemia	−0.05318471	375	4.391e−04	1.197e−01	ANK2:2 APOA1:12 VCAM1:21 AKR1B1:43 HSPB1:96 BHLHE40:112
Cholecystolithiasis	0.12492887	65	5.011e−04	1.263e−01	ABCB4:155 MYO10:260 ABCB11:342 ABCC3:362 APOBEC1:519 ABCG5:659
Epilepsy	−0.03190427	1082	5.022e−04	1.263e−01	ANK2:2 SCN9A:8 UGT8:17 PIGG:22 CAMSAP2:35 NSD2:62
Glioma	−0.02564981	1779	5.019e−04	1.263e−01	CHL1:3 TJP1:14 VCAM1:21 SAMHD1:27 KIF14:29 AKR1B1:43
Visual seizure	−0.07285112	191	5.368e−04	1.317e−01	CLU:88 SLC12A5:91 VDAC2:142 SLC38A3:175 CRH:212 TNF:248