DisGeNET Top pathways by non−permulation

Geneset	stat	num.genes	pval	p.adj	gene.vals
Schizophrenia	−0.04008256	1583	2.406e−07	2.360e−03	CHL1:3 UGT8:8 SLC26A7:9 HERC2:10 MMP16:22 CACNA1B:26
Neoplasm Metastasis	−0.02574858	3052	1.802e−05	5.893e−02	CHL1:3 WWP1:7 UGT8:8 TJP1:14 KDM5B:15 MMP16:22
Tracheoesophageal Fistula	0.19260547	42	1.585e−05	5.893e−02	WRAP53:31 SLX4:66 PCSK5:322 CHD7:569 BRIP1:606 CYBA:694
Neuralgia	−0.13121190	83	3.673e−05	9.009e−02	SCN9A:2 MMP14:113 SLC12A5:125 CXCL13:191 TNF:209 TACR1:250
Alzheimer's Disease	−0.02812130	1616	2.565e−04	3.217e−01	CHL1:3 SLC26A7:9 APOA1:30 BAX:43 VCAM1:50 BLMH:55
Amyloidosis	−0.03974713	696	4.150e−04	3.217e−01	APOA1:30 CYLD:37 VCAM1:50 PDE5A:110 MMP14:113 CLU:166
Autism Spectrum Disorders	−0.04957445	470	2.595e−04	3.217e−01	HERC2:10 LRRN3:16 ATP10A:18 MMP16:22 SIN3A:48 UBE3A:117
Decreased platelet count	0.08764568	138	3.898e−04	3.217e−01	WRAP53:31 SLX4:66 DCLRE1C:232 RAG1:247 CD40LG:306 SARS2:310
Esophageal atresia with or without trach	0.19968069	26	4.262e−04	3.217e−01	SLX4:66 CHD7:569 BRIP1:606 BRCA2:828 FANCG:1092 FANCE:1166
Hepatitis C	−0.04500968	577	2.540e−04	3.217e−01	TJP1:14 APOA1:30 TNFSF10:74 AKR1B1:77 AHSA1:80 IL37:99
Myocardial Ischemia	−0.05486531	368	3.280e−04	3.217e−01	ANK2:4 APOA1:30 BHLHE40:40 VCAM1:50 AKR1B1:77 PDK4:106
Posterior subcapsular cataract	−0.23127738	20	3.437e−04	3.217e−01	HSF4:215 GJA8:235 MIP:476 OAT:516 GJA3:618 EPHA2:732
Severe myopia	−0.10863565	90	3.748e−04	3.217e−01	CNGB3:29 TRPM1:36 PRDM5:70 VIPR2:102 FBN1:182 CACNA2D4:253
Cardiomyopathies, Primary	−0.10789690	80	8.614e−04	4.072e−01	TNF:209 UTS2R:359 IGF1R:539 PDE2A:566 LRP1:751 IL18:762
Bilateral cataracts (disorder)	−0.09697452	103	6.858e−04	4.072e−01	AKR1B1:77 HSF4:215 GJA8:235 FN1:322 BFSP2:362 CRYM:438
Glioblastoma	−0.02631421	1545	7.920e−04	4.072e−01	MMP16:22 APOA1:30 BHLHE40:40 KIF14:41 BAX:43 VCAM1:50
Pain	−0.04856931	407	8.414e−04	4.072e−01	SCN9A:2 COL17A1:62 NPVF:155 CXCL13:191 PCSK6:203 TNF:209
Pyridoxine−responsive sideroblastic anem	0.21060316	21	8.369e−04	4.072e−01	SLX4:66 BRIP1:606 BRCA2:828 FANCG:1092 FANCE:1166 ALAS2:1395
Retinal pigment epithelial atrophy	−0.26469451	14	6.063e−04	4.072e−01	CNGB3:29 PROM1:115 USH2A:129 RS1:333 ELOVL4:414 TRNT1:514
Rheumatoid Arthritis	−0.02734967	1426	7.554e−04	4.072e−01	MMP16:22 N4BP1:25 APOA1:30 CYLD:37 BAX:43 PHTF1:44
Thyroid Neoplasm	−0.04865778	403	8.718e−04	4.072e−01	TJP1:14 BAX:43 TNFSF10:74 PDE5A:110 MMP14:113 PROM1:115
Cataract, Central Saccular, With Sutural	−0.39043566	6	9.262e−04	4.130e−01	GJA8:235 BFSP2:362 MIP:476 CRYBA1:913 CRYBB2:1169 CRYGS:6981
Epilepsy, Cryptogenic	−0.12421949	57	1.190e−03	4.169e−01	UBE3A:117 SLC12A5:125 VDAC2:165 GPX1:223 CHRM2:245 SCN2A:311
Aura	−0.12548490	56	1.172e−03	4.169e−01	UBE3A:117 SLC12A5:125 VDAC2:165 GPX1:223 CHRM2:245 SCN2A:311
Awakening Epilepsy	−0.12548490	56	1.172e−03	4.169e−01	UBE3A:117 SLC12A5:125 VDAC2:165 GPX1:223 CHRM2:245 SCN2A:311
Carcinoma	−0.07158539	174	1.161e−03	4.169e−01	URI1:81 PDS5B:163 PLK2:186 ACTRT1:290 FN1:322 IL6ST:378
Diabetic peripheral neuropathy	−0.22153215	18	1.140e−03	4.169e−01	SCN9A:2 AKR1B1:77 NOS1AP:128 SREBF1:135 HSPB1:199 TNF:209
HIV Infections	−0.03882183	618	1.115e−03	4.169e−01	APOA1:30 CYLD:37 SAMHD1:42 BAX:43 VCAM1:50 TNFSF10:74
Myocardial Diseases, Secondary	−0.10416628	78	1.489e−03	4.867e−01	TNF:209 UTS2R:359 IGF1R:539 PDE2A:566 LRP1:751 TNNT2:821
Thromboangiitis Obliterans	−0.14480737	40	1.538e−03	4.867e−01	VCAM1:50 TNF:209 FOXP1:338 CSF1:375 PTPRC:529 SELE:828
Tumor Progression	−0.02408753	1676	1.472e−03	4.867e−01	CHL1:3 KDM5B:15 MMP16:22 APOA1:30 CYLD:37 BHLHE40:40
Aortic Aneurysm, Abdominal	−0.06034075	225	1.889e−03	5.158e−01	CNTN3:23 APOA1:30 VCAM1:50 MMP14:113 EHMT1:143 FBN1:182
Malignant lymphoma, lymphocytic, interme	−0.05408212	282	1.868e−03	5.158e−01	BAX:43 TNFSF10:74 CDKN2C:173 TNF:209 CCNE1:234 CD79A:300
Channelopathies	−0.13105908	47	1.893e−03	5.158e−01	SCN9A:2 ANK2:4 CNGB3:29 RYR2:121 FST:237 KCNA4:243
Mental disorders	−0.05437592	280	1.830e−03	5.158e−01	MYT1:127 NOS1AP:128 CSMD1:178 LMX1B:207 CALB1:219 CHRM2:245
Retinal pigment epithelial mottling	−0.32011298	8	1.717e−03	5.158e−01	CNGB3:29 PROM1:115 CACNA2D4:253 ELOVL4:414 ERCC8:652 ABCA4:6981
Panhypogammaglobulinemia	0.28051245	10	2.130e−03	5.647e−01	JAK3:135 DCLRE1C:232 RAG1:247 CIITA:329 RAG2:2169 BTK:2573
Rough bone trabeculation	0.22848803	15	2.187e−03	5.647e−01	WRAP53:31 AMER1:114 TNFRSF11B:1028 TINF2:1466 TNFRSF11A:1690 SLC29A3:1726
Chromosome Breakage	0.14032827	39	2.438e−03	5.979e−01	SLX4:66 CD40LG:306 BRIP1:606 BRCA1:653 BRCA2:828 LIG4:935
Chronic colitis	−0.19616549	20	2.394e−03	5.979e−01	TNF:209 PON1:227 TACR1:250 TSLP:344 TP53:858 NR5A2:1021