

Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichment	Bonferroni	Benjamini	FDR
GOTERM_CC_DIREC T	extracellular space	33	33.6734694	1.76E-13	CRP, CXCL8, PONT, SERPINE1, HSPB1, MPO, TNF, EGFR, ICAM1, THBD, IGHG1, PLAU, SPP1, CCL2, HMOX1, XDH, CTSD, TGFB1, VCAM1, MMP2, IGFBP3, F2, SELE, MMP9, F3, SOD1, IL1A, CXCL10, COL3A1	98	1347	18224	4.55579292	3.92E-11	3.92E-11	3.48E-11
GOTERM_CC_DIREC T	membrane raft	15	15.3061224	4.38E-12	OPRD1, CAV1, SLC2A4, OPRM1, SELE, TNF, SLC6A3, EGFR, SLC6A4, ICAM1, DPP4, IKBKB, CASP8, CASP3, CTSD	98	206	18224	13.5407173	9.72E-10	4.86E-10	4.31E-10
GOTERM_CC_DIREC T	cytosol	43	43.877551	8.81E-09	GSK3B, CDKN1A, NRK15, PTEN, HSPB1, HTR2A, SLC2A4, RELA, ACACA, SLC6A4, CASP9, IKBKB, PPP3CA, MAPK8, CASP8, CCND1, MYC, CASP3, AKT1, HMOX1, XDH, NQO1, PTPN1, JUN, HSP90AA1, GSTM1, NOS2, CHUK, STAT1, AHSAA1, PRKCA, FOS, MAPK14, SOD1, IL1A, IRF1, IL1B, BCL2, BAX, PIPLC5, PRSS1, CXCL8, PONT, SERPINE1, PTEN, TNF, IGHG1, PLAU, SPP1, CCL2, CTSD, HSP90AA1, TGFB1, MMP1, MMP2, IGFBP3, F2, MMP9, SOD1, IL1A, CXCL10, COL3A1, CXCL11, IL6, IFNG, IL1B	98	3315	18224	2.41214024	1.96E-06	6.52E-07	5.79E-07
GOTERM_CC_DIREC T	extracellular region	27	27.5510204	1.90E-07	CRP, PRSS1, CXCL8, PONT, SERPINE1, PTEN, TNF, IGHG1, PLAU, SPP1, CCL2, CTSD, HSP90AA1, TGFB1, MMP1, MMP2, IGFBP3, F2, MMP9, SOD1, IL1A, CXCL10, COL3A1, CXCL11, IL6, IFNG, IL1B	98	1610	18224	3.11857016	4.21E-05	1.05E-05	9.35E-06
GOTERM_CC_DIREC T	extracellular matrix	11	11.2244898	3.97E-06	COL3A1, HSP90AA1, TGFB1, HSPA5, MMP1, MMP2, SERPINE1, HSPB1, CTSD, F3	98	296	18224	6.91064534	8.81E-04	1.50E-04	1.33E-04
GOTERM_CC_DIREC T	neuron projection	10	10.2040816	4.84E-06	OPRD1, HSP90AA1, CASP8, IFNG, PTEN, FOS, OPRM1, PTGS2, SLC6A3, SLC6A4	98	237	18224	7.84637906	0.001073	1.50E-04	1.33E-04
GOTERM_CC_DIREC T	postsynapse	5	5.10204082	5.13E-06	GABRA2, GSK3B, PPP3CA, AKT1, OPRM1	98	22	18224	42.2634508	0.00113719	1.50E-04	1.33E-04

GOTERM_CC_DIREC T	mitochond rion	22	22.4489796	5.40E-06	GSK3B, HSPA5, MMP2, PTEN, PRKCA, MAPK14, MPO, ELK1, SIRT1, ACACA, SOD1, CASP9, PPP3CA, MAPK8, CASP8, MYC, CYP1A1, BCL2, BAX, CYP1B1, AKT1, TP53	98	1331	18224	3.07370552	0.00119792	1.50E-04	1.33E-04
GOTERM_CC_DIREC T	external side of plasma membrane	9	9.18367347	1.81E-05	CXCL10, IL6, IGHG1, VCAM1, IFNG, SLC2A4, TNF, LDLR, ICAM1	98	213	18224	7.8574303	0.00400902	4.46E-04	3.96E-04
GOTERM_CC_DIREC T	caveola	6	6.12244898	2.47E-05	CAV1, INSR, HMOX1, HTR2A, PTGS2, SELE	98	65	18224	17.1654631	0.00546894	5.01E-04	4.44E-04
GOTERM_CC_DIREC T	perinuclear region of cytoplasm	14	14.2857143	2.48E-05	GSK3B, CDKN1A, HSP90AA1, NOS2, STAT1, CAV1, PRKCA, SLC2A4, SELE, EGFR, SPP1, CCL2, HMOX1, PPARG	98	621	18224	4.19231654	0.00549486	5.01E-04	4.44E-04
GOTERM_CC_DIREC T	cell surface	13	13.2653061	3.03E-05	HSP90AA1, TGFB1, VCAM1, HSPA5, F3, TNF, SLC6A3, EGFR, ICAM1, DPP4, THBD, PLAU, OFRD1, CHRMT5, GSK3B, SERPINE1, PTEN, HSPB1, ADRB1, ADRB2, HTR2A, SLC2A4, TNF, SLC6A3, EGFR, SLC6A4, ICAM1, DPP4, THBD, PLAU, CASP3, AKT1, HMOX1, DRD1, LDLR, GABRA2, PTPN1, MGAM, HSP90AA1, TGFB1, VCAM1, HSPA5, CAV1, MMP2, INSP, PRKCA, DPPM1, F2, SELE	98	542	18224	4.46027562	0.00671261	5.27E-04	4.67E-04
GOTERM_CC_DIREC T	plasma membrane	41	41.8367347	3.08E-05	CDKN1A, NRT13, NRT12, PTEN, AHR, ELK1, RELA, PPP3CA, MAPK8, CASP8, RXRA, CCND1, MYC, CASP3, AKT1, JUN, HSP90AA1, CHUK, STAT1, PRKCA, FOS, MAPK14, ESR1, SIRT1, SOD1, IRF1, BIRC5, PPARG, PPARA, TP53, PPARD	98	4121	18224	1.85011563	0.00682148	5.27E-04	4.67E-04
GOTERM_CC_DIREC T	nucleoplasm	31	31.6326531	7.60E-05	CDKN1A, NRT13, NRT12, PTEN, AHR, ELK1, RELA, PPP3CA, MAPK8, CASP8, RXRA, CCND1, MYC, CASP3, AKT1, JUN, HSP90AA1, CHUK, STAT1, PRKCA, FOS, MAPK14, ESR1, SIRT1, SOD1, IRF1, BIRC5, PPARG, PPARA, TP53, PPARD	98	2784	18224	2.0706662	0.01673375	0.00114018	0.00101178

GOTERM_CC_DIREC T	nuclear chromatin	8	8.16326531	7.70E-05	RXRA, STAT1, IRF1, ESR1, SIRT1, TP53, RELA, PPARD	98	193	18224	7.70815269	0.01695793	0.00114018	0.00101178
GOTERM_CC_DIREC T	extracellular exosome	30	30.6122449	2.28E-04	CRP, PRSST, PONT, SERPINE1, HSPB1, SLC2A4, MPO, ACACA, ICAM1, DPP4, IGHG1, PLAU, SPP1, CTSD, NQO1, MGAM, HSP90AA1, VCAM1, HSPA5, IGFBP3, INSR, AHSA1, PRKCA, MAPK14, F2, MMP9, F3, SOD1, IL1B, RXA	98	2811	18224	1.98462309	0.04938233	0.00316485	0.00280844
GOTERM_CC_DIREC T	neuronal cell body	9	9.18367347	2.78E-04	GABRA2, NQO1, GSK3B, HSP90AA1, TGFB1, HTR2A, ELK1, SLC6A3, SOD1	98	315	18224	5.31311953	0.05980455	0.003627	0.00321855
GOTERM_CC_DIREC T	nucleus	46	46.9387755	3.75E-04	PTEN, HSPB1, AHR, ADRB2, PTGS2, MPO, ELK1, RELA, EGFR, CASP9, IKBKB, PPP3CA, MAPK8, RXRA, CCND1, MYC, CASP3, AKT1, HMOX1, DRD1, JUN, HSP90AA1, TGFB1, NOS2, HSPA5, STAT1, MMP2, IGFBP3, FOS, MAPK14, ESR1, SIRT1, SOD1, IRF1, BCL2, BAX, BIRC5, PPAPC, PPAP2A, TD52, PPARD	98	5415	18224	1.57970867	0.07982918	0.00462113	0.00410073
GOTERM_CC_DIREC T	endoplasmic reticulum	13	13.2653061	0.001466	PTPN1, VCAM1, HSPA5, CAV1, AHSA1, PRKCA, FOS, OPRM1, PTGS2, BCL2, BAX, HMOX1,	98	828	18224	2.91964902	0.27790031	0.01712386	0.0151955
GOTERM_CC_DIREC T	axon terminus	4	4.08163265	0.002125	OPRD1, CHRM3, CCL2, ELK1	98	48	18224	15.4965986	0.37646937	0.02359276	0.02093592
GOTERM_CC_DIREC T	apical plasma membrane	7	7.14285714	0.004623	DPP4, HSP90AA1, MGAM, CAV1, PTEN, ADRB2, EGFR	98	291	18224	4.47324497	0.64251471	0.04707054	0.04176981
GOTERM_CC_DIREC T	receptor complex	5	5.10204082	0.004731	RXRA, INSR, ADRB2, LDLR, EGFR	98	127	18224	7.3212277	0.65103429	0.04707054	0.04176981
GOTERM_CC_DIREC T	focal adhesion	8	8.16326531	0.004877	DPP4, HSPA5, PLAU, CAV1, HSPB1, OPRM1, EGFR, ICAM1	98	391	18224	3.80479148	0.66218974	0.04707054	0.04176981

GOTERM_CC_DIREC T	protein complex	8	8.16326531	0.006448	CDKN1A, HSP90AA1, MYC, CAV1, AKT1, PTGS2, TP53, SOD1	98	412	18224	3.61085794	0.76212497	0.05964064	0.05292435
GOTERM_CC_DIREC T	lysosome	6	6.12244898	0.007185	IL1B, ADRB2, MPO, CTSD, LDLR, SOD1	98	226	18224	4.93696948	0.79825112	0.06379897	0.0566144
GOTERM_CC_DIREC T	integral component of plasma membrane	16	16.3265306	0.007676	OPRD1, CHRM3, CAV1, INSR, ADRB1, SLC2A4, ADRB2, HTR2A, OPRM1, TNF, SLC6A3, SLC6A4, ICAM1, THBD, DRD1,	98	1415	18224	2.10271868	0.81925627	0.06554235	0.05816145
GOTERM_CC_DIREC T	blood microparticle	5	5.10204082	0.00885	PRSS1, IGHG1, TGFB1, PON1, F2	98	152	18224	6.11707841	0.86102821	0.0727681	0.06457349
GOTERM_CC_DIREC T	organelle membrane	4	4.08163265	0.011222	CYP1A1, CYP1B1, CYP3A4, PTGS2	98	87	18224	8.54984753	0.91835821	0.08897605	0.07895623
GOTERM_CC_DIREC T	basolateral plasma membrane	5	5.10204082	0.015658	CHRM3, HSP90AA1, CAV1, LDLR, EGFR	98	180	18224	5.16553288	0.96991344	0.11704825	0.10386714
GOTERM_CC_DIREC T	cytoplasm	39	39.7959184	0.016319	OPRD1, USK3B, NR113, PTEN, HSPB1, AHR, CYP3A4, PTGS2, SLC6A3, RELA, ACACA, EGFR, IKBKB, PPP3CA, CASP8, CCND1, CASP3, AKT1, NQO1, HSP90AA1, TGFB1, GSTM1, NOS2, CHUK, STAT1, AHSA1, PRKCA, MAPK14, ESR1, SIRT1, SOD1, IL6, IFNG, IRF1, BCL2, BAX, PIPG5, TP53, NFE2L2	98	5222	18224	1.38881811	0.97407759	0.11704825	0.10386714
GOTERM_CC_DIREC T	endoplasmic reticulum	11	11.2244898	0.016345	HSPA5, CAV1, BCL2, CYP1A1, BAX, CYP1B1, HMOX1, DRD1, CYP3A4, PTGS2, EGFR	98	862	18224	2.37302903	0.97422824	0.11704825	0.10386714
GOTERM_CC_DIREC T	cytoplasmic side of plasma membrane	3	3.06122449	0.021027	IKBKB, CHUK, PTEN	98	42	18224	13.2827988	0.99106433	0.14587281	0.1294457
GOTERM_CC_DIREC T	axon	5	5.10204082	0.030855	GABRA2, TGFB1, STAT1, HTR2A, SLC6A3	98	222	18224	4.1882699	0.99904874	0.20757042	0.18419537

GOTERM_CC_DIREC T	dendrite	6	6.12244898	0.033335	GABRA2, CHRM3, STAT1, CCL2, HTR2A, ELK1	98	335	18224	3.33061224	0.99946139	0.20813939	0.18470027
GOTERM_CC_DIREC T	endocytic vesicle	3	3.06122449	0.033543	DPP4, CCL2, EGFR	98	54	18224	10.3310658	0.99948647	0.20813939	0.18470027
GOTERM_CC_DIREC T	early endosome	5	5.10204082	0.034008	PTPN1, VCAM1, ADRB1, ADRB2, LDLR	98	229	18224	4.06024419	0.99953857	0.20813939	0.18470027
GOTERM_CC_DIREC T	clathrin-coated pit	3	3.06122449	0.03469	SLC2A4, SELE, LDLR	98	55	18224	10.1432282	0.99960551	0.20813939	0.18470027
GOTERM_CC_DIREC T	death-inducing signaling complex	2	2.04081633	0.036675	CASP8, CASP3	98	7	18224	53.1311953	0.9997502	0.21425809	0.19012993
GOTERM_CC_DIREC T	pore complex	2	2.04081633	0.046907	BCL2, BAX	98	9	18224	41.324263	0.99997666	0.26384982	0.23413701
GOTERM_CC_DIREC T	myelin sheath	4	4.08163265	0.047541	HSP90AA1, HSPA5, BCL2, SOD1	98	152	18224	4.89366273	0.99997987	0.26384982	0.23413701