

supplementary table 3

Enrichment analysis of KEGG pathway (part)

Cluster	Description	pvalue	geneID
blue	Autophagy-animal	1.218301316 4782E-07	AKT3/ATG12/ATG2B/ATG3/ATG5/ATG9 A/BCL2L1/BECN1/BNIP3/CAMKK2/CT SD/EIF2S1/HIF1A/ITPR1/KRAS/LAMP2 /MAP2K2/MAP3K7/MAPK3/NRAS/PIK3 C3/PIK3CA/PIK3R1/PPP2CA/PPP2CB/P RKAA1/PRKACB/PTEN/RAB1A/RB1CC 1/RHEB/RPS6KB1/RRAGD/RRAS/SH3G LB1/TANK/TBK1/TSC2/ULK2
greenyellow	Oxidative phosphorylation	1.205751363 03187E-11	COX7A2/NDUFA4/NDUFA8/NDUFAB1/ NDUFB1/NDUFB2/NDUFB4/NDUFB8/N DUFC1/NDUFS3/NDUFS6/UQCRCF1/U QCRQ
grey	ECM-receptor interaction	0.000286418 592072073	CD44/COL4A1/COL6A1/COL6A3/GP1B A/ITGA2B/ITGB3/LAMA1/LAMA3/LA MA4/LAMA5/SDC4/THBS1
magenta	Ribosome	1.974126967 75556E-77	FAU/RPL10A/RPL10L/RPL11/RPL12/RP L14/RPL15/RPL19/RPL22/RPL23A/RPL2 4/RPL27/RPL27A/RPL29/RPL3/RPL30/R PL31/RPL32/RPL34/RPL35/RPL35A/RP L36AL/RPL37/RPL37A/RPL38/RPL39/R PL41/RPL6/RPL7/RPL8/RPL9/RPLP0/RP S10/RPS11/RPS12/RPS14/RPS15A/RPS1 6/RPS17/RPS18/RPS19/RPS21/RPS23/RP S24/RPS25/RPS27/RPS27A/RPS27L/RPS 28/RPS29/RPS3/RPS4X/RPS6/RPS7/RPS 8
pink	Neuroactive ligand-receptor interaction	1.789038094 80975E-14	ADRA1D/ADRB3/CHRNA4/CNR1/COR T/CRHR1/CRHR2/CSH1/DRD2/DRD4/G ABRB2/GABRG2/GALR3/GH2/GHRHR/ GHSR/GIPR/GLP2R/GNRH2/GRID2/GRI K5/GRIN1/GRIN2D/GRPR/HCRT/HCRT R1/HRH3/HTR1B/KISS1/LTB4R2/NPBW R2/OPRD1/OPRL1/OXT/OXTR/P2RX2/P 2RX3/PPY/PRLH/PRSS2/PRSS3/PYY/SS TR2/SSTR3/TAAR2/TAAR5/TACR2/TBX A2R/TSHB
pink	Calcium signaling pathway	0.001235779 0149814	ADRA1D/ADRB3/CACNA1B/CACNA1 C/CACNA1E/CACNA1H/FGF3/GRIN1/G RIN2D/GRPR/HRC/LTB4R2/MST1/NOS

			1/NOS3/NTRK2/OXTR/P2RX2/P2RX3/T ACR2/TBXA2R
tan	Th1 and Th2 cell differentiation	2.170644375 65144E-07	CD247/CD3D/HLA-DMB/IL2RB/JAK3/R UNX3/STAT4/ZAP70
