

Term	Genes	FDR
hsa05200:Pathways in cancer	E2F3, PDGFB, MMP9, STAT5B, FGF16, MITF, FOXO1, NFKB1, PTEN, TGFB2, CTNNB1, CDC42, WNT1, ACVR1B, FOS, CDKN2A, CASP9, RHOA, MYC, EGFR, CTBP2, RELA, TP53, FADD, CDK6, STK4, CCND1, HIF1A, JUN, VEGFA, WNT5A, FGFR3, CDH1, TPM3, IGF1R, LAMB3, BCL2, AXIN2, TRAF6, APC, MAP2K1, TGFBR1, MET, SMAD3, ITGA2, IGF1, RAF1, FZD3, STAT1, CDKN1A, CDKN1B, HDAC1, BAX, MTOR, IKBKB	2.53E-15
hsa05220:Chronic myeloid leukemia	E2F3, CTBP2, MAP2K1, TGFBR1, RELA, STAT5B, TP53, SMAD3, RAF1, CDK6, NFKB1, TGFB2, ACVR1B, CCND1, CDKN1A, CDKN2A, CDKN1B, HDAC1, SHC1, IKBKB, MYC	4.18E-08
hsa05210:Colorectal cancer	EGFR, MAP2K1, TGFBR1, MET, TP53, SMAD3, RAF1, FZD3, CTNNB1, TGFB2, ACVR1B, FOS, IGF1R, CCND1, CASP9, JUN, BAX, BCL2, AXIN2, MYC, APC	3.91E-07
hsa05212:Pancreatic cancer	EGFR, E2F3, MAP2K1, RELA, TGFBR1, TP53, SMAD3, RAF1, CDK6, NFKB1, STAT1, TGFB2, CDC42, ACVR1B, CCND1, CDKN2A, CASP9, VEGFA, IKBKB	1.33E-06
hsa05215:Prostate cancer	EGFR, E2F3, MAP2K1, PDGFB, RELA, TP53, FOXO1, IGF1, RAF1, NFKB1, PTEN, CTNNB1, IGF1R, CCND1, CDKN1A, CDKN1B, CASP9, BCL2, MTOR, IKBKB	7.92E-06
hsa05219:Bladder cancer	, FGFR3, MAP2K1, MMP9, TP53, RAF1, CDH1, KN1A, CDKN2A, VEGFA, THBS1, MYC	1.77E-05
hsa05218:Melanoma	EGFR, E2F3, PDGFB, MAP2K1, FGF16, MET, MITF, TP53, IGF1, RAF1, CDK6, CDH1, PTEN, IGF1R, CCND1, CDKN1A, CDKN2A	5.75E-05
hsa05214:Glioma	EGFR, E2F3, PDGFB, MAP2K1, TP53, IGF1, RAF1, CDK6, PTEN, IGF1R, CCND1, CDKN1A, CDKN2A, SHC1, MTOR, CALM1	6.97E-05
hsa04722:Neurotrophin signaling pathway	IRAK2, IRAK1, IRS2, MAP2K1, RELA, TP53, RAF1, NFKB1, IRS1, NTRK3, CDC42, BDNF, JUN, BAX, BCL2, YWHAQ, RHOA, SHC1, TRAF6, IKBKB, CALM1	4.46E-04
hsa04110:Cell cycle	E2F3, E2F5, TP53, SMAD3, TTK, CDK6, WEE1, TGFB2, CDC25B, CDKN1C, CCND1, CDKN1A, CDKN2A, CDKN1B, HDAC1, CCND2, PLK1, YWHAQ, MYC, CCNA2	0.002
hsa04510:Focal adhesion	PDGFB, ITGB4, PTEN, CTNNB1, IGF1R, CDC42, LAMB3, BCL2, RHOA, SHC1, PAK1, THBS1, EGFR, MAP2K1, ROCK2, MET, ITGA2, IGF1, RAF1, CCND1, CCND2, ITGA5, JUN, VEGFA, RELN,	0.002

	COL1A1	
hsa05213:Endometrial cancer	EGFR, CCND1, CASP9, MAP2K1, TP53, RAF1, CDH1, AXIN2, MYC, PTEN, CTNNB1, APC	0.014
hsa05222:Small cell lung cancer	E2F3, RELA, TP53, ITGA2, CDK6, NFKB1, PTEN, CCND1, LAMB3, CDKN1B, CASP9, BCL2, TRAF6, IKBKB, MYC	0.018
hsa04350:TGF-beta signaling pathway	E2F5, ROCK2, TGFBR1, SMAD5, BMPR2, SMAD3, LEFTY1, TGFB2, ACVR1B, SP1, LEFTY2, RHOA, THBS1, MYC, ACVR1	0.027
hsa04310:Wnt signaling pathway	WNT5A, CTBP2, ROCK2, BTRC, TP53, SMAD3, FZD3, CTNNB1, WNT1, CCND1, DKK1, CCND2, JUN, RHOA, NFATC4, PRKACB, PPP3CA, AXIN2, MYC, APC	0.037
hsa04115:p53 signaling pathway	TP53, IGF1, CDK6, PTEN, CCND1, CDKN1A, TNFRSF10B, CDKN2A, CASP9, SERPINB5, CCND2, BAX, THBS1	0.041
hsa04010:MAPK signaling pathway	FGFR3, PDGFB, FGF16, HSPA1A, NFKB1, SRF, TGFB2, FOS, ACVR1B, CDC42, BDNF, NFATC4, PRKACB, PAK1, PPP3CA, TRAF6, MYC, EGFR, MAP2K1, RELA, TGFBR1, MAP2K4, TP53, RAF1, STK4, CDC25B, JUN, IKBKB	0.047