

TABLE 2 Top 20 pathways of KEGG enrichment analysis in the treatment of liver fibrosis by XYHXF. Genes associated with pathways were shown in this table.

Code	Name of pathway	Gene	Number of gene	P vaule
hsa04933	AGE-RAGE signaling pathway in diabetic complications	CCND1/CDK4/PIK3CB/PRKCB/MAPK8/PIK3CA/MMP2/MAPK1/MAPK14/ICAM1/STAT3/IL1B/CASP3/AGTR1/MAPK3/IL6/BCL2/TNF/PRKCA/BAX/JUN/RELA/AKT1/STAT1/SELE/VCAM1/VEGFA/F3/CCL2/CXCL8/NOS3/THBD/SERPINE1/COL1A1/IL1A/COL3A1/EDN1/PRKCD/FN1	39	3.58E-37
hsa05161	Hepatitis B	CDK2/CCNE1/PIK3CB/JAK3/PRKCB/MAPK8/PIK3CA/MMP9/MAPK1/MAPK14/CCNA2/GRB2/STAT3/SRC/CASP3/MAPK3/IL6/BCL2/TNF/PRKCA/IKBKB/BAX/CASP9/JUN/CASP8/RELA/AKT1/STAT1/FOS/CDKN1A/RB1/TP53/ELK1/NFKBIA/RAF1/MYC/CXCL8/BIRC5/CHUK/E2F1/E2F2/PCNA/FASLG/CYCS	44	4.59E-34
hsa05215	Prostate cancer	AR/CCND1/CDK2/CCNE1/PIK3CB/HSP90AA1/PDGFRB/MTOR/FGFR1/PIK3CA/MDM2/MMP3/MMP9/EGFR/MAPK1/GRB2/PLAT/MAPK3/BCL2/IKBKB/CASP9/RELA/AKT1/GSTP1/PLAU/GSK3B/CDKN1A/EGF/RB1/TP53/NFKBIA/RAF1/ERBB2/CHUK/E2F1/E2F2	36	2.17E-33
hsa05418	Fluid shear stress and atherosclerosis	KDR/PIK3CB/HSP90AA1/MAPK8/PIK3CA/MMP9/MMP2/MAPK14/KEAP1/ICAM1/IL1B/SRC/PLAT/PRKAA2/BCL2/TNF/IKBKB/JUN/RELA/AKT1/HMOX1/SELE/VCAM1/GSTP1/GSTM1/GSTM2/VEGFA/FOS/TP53/CAV1/CCL2/NOS3/THBD/IFNG/IL1A/NFE2L2/NQO1/CHUK/EDN1	39	9.00E-31
hsa04151	PI3K-Akt signaling pathway	KDR/CCND1/CDK4/CDK2/CCNE1/PIK3CB/JAK3/HSP90AA1/FLT1/PDGFRB/KIT/MTOR/FGFR1/F2R/PIK3CA/MDM2/EGFR/RXRA/MAPK1/BCL2L1/ITGB1/ITGA5/ITGA4/GRB2/MAPK3/IL6/PRKAA2/MCL1/BCL2/PRKCA/IKBKB/BRCA1/CASP9/RELA/AKT1/INSR/GSK3B/VEGFA/CDKN1A/EGF/TP53/RAF1/ERBB2/MYC/NOS3/IL2/COL1A1/CHUK/SPP1/IGF2/ERBB3/IL4/MET/FASLG/FN1	55	3.80E-29
hsa05163	Human cytomegalovir	CCND1/CDK4/PIK3CB/PRKCB/MTOR/PIK3CA/MDM2/EGFR/MAPK1/MAPK14/HLA-A/CXCR4/GRB2/STAT3/IL1B/SRC/CASP3/PTGS2/MAPK3/IL6/TNF/PRKCA/IKBKB/BAX/	44	1.70E-27

	us infection	CASP9/CASP8/RELA/AKT1/GSK3B/VEGFA/CDKN1A/RB1/TP53/ELK1/NFKBIA/RAF1/MYC/CCL2/CXCL8/CHUK/E2F1/E2F2/FASLG/CYCS		
hsa05160	Hepatitis C	NR1H3/CCND1/CDK4/CDK2/PIK3CB/PIK3CA/EGFR/PPARA/RXRA/MAPK1/GRB2/STAT3/CASP3/CD81/MAPK3/TNF/IKBKB/BAX/CASP9/CASP8/RELA/AKT1/STAT1/GSK3B/CDKN1A/EGF/RB1/TP53/NFKBIA/RAF1/MYC/IFNG/CXCL10/CHUK/E2F1/E2F2/FASLG/CYCS	38	2.30E-27
hsa05169	Epstein-Barr virus infection	CCND1/CDK4/CDK2/CCNE1/PIK3CB/JAK3/MAPK8/PIK3CA/MDM2/MAPK14/ITGAL/ICAM1/HLA-A/HLA-DRB1/CCNA2/STAT3/HDAC2/HDAC1/CASP3/IL6/BCL2/TNF/IKBKB/BAX/CASP9/JUN/CASP8/RELA/AKT1/STAT1/PSMD3/CDKN1A/RB1/TP53/NFKBIA/MYC/CXCL10/CHUK/E2F1/E2F2/CYCS	41	2.80E-26
hsa05205	Proteoglycans in cancer	ESR1/KDR/CCND1/PIK3CB/PRKCB/MTOR/FGFR1/PIK3CA/MDM2/MMP9/MMP2/EGFR/MAPK1/MAPK14/ITGB1/ITGA5/GRB2/STAT3/SRC/CASP3/PTPN11/MAPK3/TNF/PRKCA/AKT1/PLAU/VEGFA/CDKN1A/TP53/ELK1/RAF1/HIF1A/ERBB2/CAV1/MYC/COL1A1/IGF2/ERBB3/MET/FASLG/FN1	41	5.17E-26
hsa05167	Kaposi sarcoma-associated herpesvirus infection	CCND1/CDK4/PIK3CB/PIK3CA/EGFR/PPARA/RXRA/MAPK1/GRB2/STAT3/PTGS2/MAPK3/IL6/IKBKB/BAX/CASP9/JUN/CASP8/RELA/AKT1/STAT1/GSK3B/VEGFA/FOS/CDKN1A/RB1/TP53/NFKBIA/RAF1/HIF1A/MYC/CXCL8/CXCL2/CHUK/E2F1/E2F2/CYCS	40	5.25E-26
hsa05222	Small cell lung cancer	CCND1/CDK4/CDK2/CCNE1/PIK3CB/PIK3CA/RXRA/RARB/BCL2L1/ITGB1/XIAP/CASP3/PTGS2/NOS2/BCL2/IKBKB/BAX/CASP9/RELA/AKT1/CDKN1A/RB1/TP53/NFKBIA/MYC/CHUK/E2F1/E2F2/FN1/CYCS	30	6.16E-26
hsa05223	Non-small cell lung cancer	CCND1/CDK4/PIK3CB/JAK3/PRKCB/PIK3CA/EGFR/RXRA/RARB/MAPK1/GRB2/STAT3/MAPK3/PRKCA/BAX/CASP9/AKT1/CDKN1A/EGF/RB1/TP53/RAF1/ERBB2/RASSF1/E2F1/E2F2/ME	27	2.60E-25
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hsa05219	Bladder cancer	CCND1/CDK4/MDM2/MMP9/MMP1/MMP2/EGFR/MAPK1/SRC/MAPK3/VEGFA/CDKN1A/EGF/RB1/TP53/RAF1/ERBB2/MYC/CXCL8/RASSF1/E2F1/E2F2	22	4.10E-25
hsa05212	Pancreatic cancer	CCND1/CDK4/PIK3CB/MAPK8/MTOR/PIK3CA/EGFR/MAPK1/BCL2L1/STAT3/MAPK3/IKBKB/BAX/CASP9/RELA/AKT1/STAT1/VEGFA/CDKN1A/EGF/RB1/TP53/RAF1/ERBB2/CHUK/E2F1/E2F2	27	1.44E-24
hsa04668	TNF signaling pathway	PIK3CB/MAPK8/PIK3CA/MMP3/MMP9/MAPK1/MAPK14/ICAM1/IL1B/CASP3/PTGS2/MAPK3/IL6/TNF/IKBKB/JUN/CASP8/RELA/AKT1/SELE/VCAM1/FOS/NFKBIA/CCL2/CXCL2/CXCL10/CHUK/IRF1/CASP7/EDN1	30	4.22E-23
hsa01522	Endocrine resistance	ESR1/CCND1/CDK4/PIK3CB/MAPK8/MTOR/PIK3CA/MDM2/MMP9/MMP2/EGFR/MAPK1/MAPK14/GRB2/SRC/MAPK3/BCL2/BAX/JUN/AKT1/FOS/CDKN1A/RB1/TP53/RAF1/ERBB2/E2F1/E2F2	28	1.84E-22
hsa05220	Chronic myeloid leukemia	CCND1/CDK4/PIK3CB/PIK3CA/MDM2/MAPK1/BCL2L1/GRB2/HDAC2/HDAC1/PTPN11/MAPK3/IKBKB/BAX/RELA/AKT1/CDKN1A/RB1/TP53/NFKBIA/RAF1/MYC/CHUK/E2F1/E2F2	25	7.57E-22
hsa05166	Human T-cell leukemia virus 1 infection	CCND1/CDK4/CDK2/CCNE1/PIK3CB/JAK3/MAPK8/PIK3CA/MMP7/MAPK1/BCL2L1/ITGAL/ICAM1/TERT/HLA-A/HLA-DRB1/CCNA2/XIAP/MAPK3/IL6/TNF/IKBKB/TSP0/BAX/JUN/RELA/AKT1/FOS/CDKN1A/RB1/TP53/ELK1/NFKBIA/MYC/IL2/CHUK/E2F1/E2F2	38	8.62E-22
hsa04657	IL-17 signaling pathway	HSP90AA1/MAPK8/MMP3/MMP9/MMP1/MAPK1/MAPK14/IL1B/CASP3/PTGS2/MAPK3/IL6/TNF/IKBKB/JUN/CASP8/RELA/GSK3B/FOS/NFKBIA/CCL2/CXCL8/IFNG/CXCL2/CXCL10/CHUK/IL4	27	9.38E-22
hsa04625	C-type lectin receptor signaling pathway	PIK3CB/MAPK8/PIK3CA/MDM2/MAPK1/MAPK14/CASP1/IL1B/SRC/PTGS2/PTPN11/MAPK3/IL6/NLRP3/TNF/IKBKB/JUN/CASP8/RELA/AKT1/STAT1/IL10/NFKBIA/RAF1/IL2/CHUK/IRF1/PRKCD	28	1.12E-21