

Supplementary Table 5. Summary of significant KEGG pathways (FDR ≤ 0.05) in the HIV/HCV-f versus HIV-mono comparison.

KEGG pathways	Hits	Genes	q-values
Apoptosis	6	CASP6, DDIT3, ITPR3, JUN, NFKBIA, PIK3R2	0.002
Neurotrophin signaling pathway	5	JUN, NFKBIA, PIK3R2, CDC42, RPS6KA2	0.004
Focal adhesion	6	JUN, PIK3R2, CDC42, ITGA6, ITGB7, THBS4	0.004
Pathways in cancer	9	JUN, NFKBIA, PIK3R2, CDC42, ITGA6, CBL, IL23A, NFE2L2, STAT3	0.004
Viral carcinogenesis	6	JUN, NFKBIA, PIK3R2, CDC42, STAT3, YWHAZ	0.004
Hepatitis B	5	JUN, NFKBIA, PIK3R2, STAT3, YWHAZ	0.013
Protein processing in endoplasmic reticulum	5	DDIT3, NFE2L2, CALR, HSPA5, PPP1R15A	0.013
AGE-RAGE signaling pathway in diabetic complications	4	JUN, PIK3R2, CDC42, STAT3	0.014
T cell receptor signaling pathway	4	JUN, NFKBIA, PIK3R2, CDC42	0.014
Chagas disease (American trypanosomiasis)	4	JUN, NFKBIA, PIK3R2, CALR	0.014
Kaposi's sarcoma-associated herpesvirus infection	5	ITPR3, JUN, NFKBIA, PIK3R2, STAT3	0.014
Th17 cell differentiation	4	JUN, NFKBIA, IL23A, STAT3	0.014
Insulin resistance	4	NFKBIA, PIK3R2, RPS6KA2, STAT3	0.014
Epstein-Barr virus infection	5	JUN, NFKBIA, PIK3R2, STAT3, CALR	0.014
Proteoglycans in cancer	5	ITPR3, PIK3R2, CDC42, CBL, STAT3	0.014
Measles	4	JUN, NFKBIA, PIK3R2, STAT3	0.028
Inflammatory bowel disease (IBD)	3	JUN, IL23A, STAT3	0.030
Epithelial cell signaling in Helicobacter pylori infection	3	JUN, NFKBIA, CDC42	0.030
Non-alcoholic fatty liver disease (NAFLD)	4	DDIT3, JUN, PIK3R2, CDC42	0.030
Renal cell carcinoma	3	JUN, PIK3R2, CDC42	0.030
B cell receptor signaling pathway	3	JUN, NFKBIA, PIK3R2	0.031
Hepatitis C	4	NFKBIA, PIK3R2, STAT3, YWHAZ	0.031
Bacterial invasion of epithelial cells	3	PIK3R2, CDC42, CBL	0.031
Pancreatic cancer	3	PIK3R2, CDC42, STAT3	0.031
Chronic myeloid leukemia	3	NFKBIA, PIK3R2, CBL	0.031
Jak-STAT signaling pathway	4	PIK3R2, IL23A, STAT3, IL24	0.031
ECM-receptor interaction	3	ITGA6, ITGB7, THBS4	0.037
ErbB signaling pathway	3	JUN, PIK3R2, CBL	0.039
GnRH signaling pathway	3	ITPR3, JUN, CDC42	0.047
Small cell lung cancer	3	NFKBIA, PIK3R2, ITGA6	0.047
Chemokine signaling pathway	4	NFKBIA, PIK3R2, CDC42, STAT3	0.047

Statistical: FDR, false discovery rate for multiple comparisons using Benjamini and Hochberg procedure. In red, up-regulated genes in HIV/HCV-f group; in green, down-regulated genes in HIV/HCV-f group.

Abbreviations: KEGG, Kyoto Encyclopedia of Genes and Genomes; HIV, human immunodeficiency virus; HCV, hepatitis C virus; HIV/HCV-f, HIV/HCV-coinfected patients 24 weeks after SVR; HIV-mono, HIV-monoinfected patients.