Diagram, venn diagram

Description automatically generated

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| --- | --- | --- | --- | --- | --- | --- |
| Unique to HepG2/C3A | | |  |  |  |  |
| ABCF1 | | DSP | IARS1 | PNISR | SERPINH1 | ZCCHC17 |
| ACTN1 | | DYNC1H1 | IARS2 | PPAN | SLC3A2 | ZNF207 |
| ACTN4 | | EARS2 | IMPDH2 | PRPF38B | SNRNP200 | ZNF622 |
| ADK | | EEF1G | JMJD6 | PRPF40A | SNRPB2 |  |
| AIMP1 | | EIF3F | KRT18 | PRPF4B | SNRPD3 |  |
| ALDH18A1 | | EIF3I | LBR | PRPF6 | SREK1 |  |
| ALDH6A1 | | EIF5A | LGALS1 | PSMA1 | SRSF10 |  |
| ANP32A | | EIF6 | LONP1 | PSMA6 | SRSF11 |  |
| ARL6IP4 | | EPPK1 | LUC7L3 | PUM1 | SUPT16H |  |
| ATP5F1C | | EPRS1 | LYAR | PUM3 | TARS1 |  |
| BST2 | | EXOSC10 | MARS1 | RANBP2 | TBL2 |  |
| CCT5 | | EZR | MEPCE | RARS1 | TCP1 |  |
| CDK11B | | FAM133B | MRPL18 | RBBP6 | TFRC |  |
| CDKN2AIP | | FDPS | MRPL2 | RBMX2 | THOC2 |  |
| CLUH | | FSCN1 | MRPL20 | RNPS1 | TPT1 |  |
| CNP | | GDI2 | MRPL27 | RPL10 | TRAP1 |  |
| CPNE3 | | GFM1 | MRPL43 | RPL26 | TRIM28 |  |
| CRYZ | | GNL3 | MRPL9 | RPL34 | TRMT1 |  |
| CSRP1 | | GOT2 | MRPS18A | RPL35A | TSFM |  |
| CTNNA1 | | GPATCH8 | MRPS24 | RPL36 | TSN |  |
| CWC22 | | GRN | MRPS27 | RPS17 | TST |  |
| CYFIP1 | | GSPT1 | MTERF4 | RPS18 | TUBA1B |  |
| DARS1 | | H1-0 | MYH10 | RPS21 | TUBB4B |  |
| DDX23 | | H1-5 | NKAP | RPS4X | U2SURP |  |
| DDX28 | | H4C1 | NME1 | RPSA | UBA1 |  |
| DDX31 | | HADHB | NUCKS1 | RRP9 | UBTF |  |
| DDX3X | | HNRNPA1 | PARK7 | RSRC2 | UTP4 |  |
| DDX46 | | HSPA1B | PDCD11 | RTF1 | VIM |  |
| DHX30 | | HSPB1 | PDIA4 | SARS2 | YTHDC1 |  |
| DKC1 | | HTATSF1 | PLEC | SART3 | YWHAZ |  |
| Unique to Huh-7 | | |  |  |  |  |  |
| AATF | CASC3 | | DDX39A | EIF4ENIF1 | GOLGA4 | LSM3 | NAA38 |
| ABT1 | CAST | | DDX42 | EIF4G3 | GPATCH4 | LUC7L | NARS |
| ACO1 | CCDC124 | | DDX43 | EIF5 | GSTP1 | MAK16 | NHP2L1 |
| ADAR | CCDC47 | | DDX47 | ELAC2 | HDGF | MAPRE1 | NIFK |
| AFP | CCDC86 | | DDX49 | EMG1 | HELZ | MEX3A | NIP7 |
| AGO2 | CD3EAP | | DDX51 | EPB41L2 | HELZ2 | MEX3C | NMT1 |
| AKAP1 | CDV3 | | DDX52 | EPS8L3 | HMGB3 | MEX3D | NOC2L |
| AKAP8L | CELF2 | | DDX6 | ERI3 | HNRNPCL1 | MFAP1 | NOC4L |
| ALDOA | CFL1 | | DDX60L | ETF1 | HSPA5 | MGST1 | NOL6 |
| ALKBH5 | CHTOP | | DHCR7 | EXOSC2 | HUWE1 | MKRN2 | NOL7 |
| ANXA2 | CIRBP | | DHX29 | F11R | IDH1 | MKRN3 | NOL8 |
| APEX1 | CMSS1 | | DHX36 | FADS2 | IFIT5 | MPHOSPH10 | NOP16 |
| APOB | CNN2 | | DHX57 | FAM120C | IPO4 | MRPL1 | NOP9 |
| AQR | CNN3 | | DIMT1 | FAM195A | IREB2 | MRPL11 | NOSIP |
| ASCC3 | CNOT4 | | DLD | FAM98A | ISG20L2 | MRPL15 | NPM3 |
| ATP1A1 | COA6 | | DNTTIP2 | FARSB | ISY1 | MRPL28 | NQO1 |
| ATP2A2 | CPEB3 | | DUS3L | FASTKD1 | KHDRBS3 | MRPL39 | NTPCR |
| ATP5B | CPEB4 | | DUSP11 | FAU | KIAA0430 | MRPL4 | NUDT21 |
| ATXN2 | CPSF4 | | DUSP9 | FEN1 | KIF1C | MRPL41 | NUPL2 |
| BAG4 | CPSF6 | | DYNC2H1 | FIP1L1 | KRI1 | MRPL45 | NXF1 |
| BICC1 | CRKL | | DZIP3 | FKBP3 | KRR1 | MRPS10 | OLA1 |
| BTF3 | CSE1L | | EBP | FN1 | LARP1B | MRPS11 | OTUD4 |
| BZW2 | CSTF2T | | EDC4 | FNDC3A | LAS1L | MRPS18C | PABPC1L |
| C11orf68 | CTTN | | EEF1A1 | FNDC3B | LDHA | MRPS23 | PABPC4L |
| C12orf43 | CYCS | | EIF1B | FXR2 | LGALS3 | MRPS30 | PAFAH1B3 |
| C17orf85 | DARS2 | | EIF2D | FYTTD1 | LLPH | MRPS31 | PAICS |
| C9orf114 | DCAF13 | | EIF2S1 | G3BP2 | LMF2 | MRPS35 | PAIP1 |
| CACYBP | DDX10 | | EIF3H | GGCT | LSM1 | MSI1 | PARP12 |
| CALD1 | DDX18 | | EIF4A2 | GIGYF2 | LSM14A | MSI2 | PATL1 |
| CAND1 | DDX19A | | EIF4E | GLRX3 | LSM14B | MTIF2 | PATZ1 |

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| PAWR | PTCD2 | RPF1 | SKIV2L2 | TMED10 | XPO5 |
| PC | PTDSS1 | RPF2 | SLC25A5 | TMEM214 | XRN1 |
| PCBP3 | PURB | RPL29 | SMG1 | TMPO | YBX2 |
| PDAP1 | PUS7 | RPLP0 | SMNDC1 | TNRC6A | YLPM1 |
| PELP1 | R3HDM2 | RPRD2 | SNRPD2 | TNRC6B | YTHDC2 |
| PGRMC1 | RBFOX2 | RPS10 | SNRPG | TOP3B | YTHDF2 |
| PHF10 | RBM12 | RPS19BP1 | SPATS2 | TPD52L2 | YTHDF3 |
| PHF3 | RBM12B | RPS23 | SPTAN1 | TRIM56 | ZC3H10 |
| PHF5A | RBM15B | RPS27 | SPTBN5 | TRIM71 | ZC3H14 |
| PNO1 | RBM24 | RQCD1 | SRFBP1 | TRMT10A | ZC3H15 |
| PNPT1 | RBM26 | RRP15 | SRPK1 | TRMT1L | ZC3H4 |
| POLDIP3 | RBM27 | RRP1B | SSR1 | TRMT2A | ZC3H7B |
| POLR2A | RBM33 | RRP7A | STAU2 | TRNAU1AP | ZC3H8 |
| POP1 | RBM38 | RRP8 | STRBP | TRUB1 | ZCCHC11 |
| PPHLN1 | RBM42 | RSL24D1 | STX7 | TRUB2 | ZCCHC6 |
| PPIA | RBM45 | RTN4 | SUGP1 | TSNAX | ZCCHC8 |
| PPIE | RBM47 | SAMD4B | SUMO1 | TSR1 | ZCCHC9 |
| PPIF | RBM4B | SAP18 | SUPT6H | TXN | ZCRB1 |
| PPIL4 | RBM8A | SARNP | SUPV3L1 | TXNDC5 | ZFP36L2 |
| PRDX1 | RBMS1 | SCAF11 | SYNE1 | UBE2L3 | ZNF598 |
| PRDX3 | RBMS2 | SCAF8 | TACO1 | UBE2O | ZNF638 |
| PRKAR2A | RBMS3 | SCAMP2 | TAGLN2 | UNK | ZNFX1 |
| PRKRA | RBPMS | SDAD1 | TBRG4 | UPF3B |  |
| PRMT1 | RC3H1 | SEC61A1 | TCERG1 | URB2 |  |
| PRPF3 | RC3H2 | SEC61B | TDRD3 | USP36 |  |
| PRPF31 | RCC2 | SECISBP2 | TECR | UTP18 |  |
| PRRC2A | RDX | SECISBP2L | TFB2M | UTP3 |  |
| PRRC2B | REXO4 | SF1 | THUMPD1 | VIL1 |  |
| PSMB1 | RNF10 | SF3B2 | TLN1 | WBP11 |  |
| PTBP2 | RNMTL1 | SF3B4 | TMA16 | WIBG |  |

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| Shared |  |  |  |  |  |  |
| A1CF | CHERP | EIF3D | FXR1 | HNRNPM | LRPPRC | NMD3 |
| AARS | CKAP4 | EIF3E | G3BP1 | HNRNPR | LRRC47 | NOC3L |
| ACIN1 | CLTC | EIF3G | GANAB | HNRNPU | LRRC59 | NOL11 |
| AHNAK | CNBP | EIF3J | GAR1 | HNRNPUL1 | MAP4 | NOLC1 |
| AKAP8 | CNOT1 | EIF3L | GCN1L1 | HNRNPUL2 | MATR3 | NOM1 |
| ALYREF | CPSF7 | EIF4A1 | GEMIN5 | HSD17B10 | MBNL3 | NONO |
| ANKRD17 | CS | EIF4A3 | GNB2L1 | HSP90AA1 | MDH2 | NOP14 |
| API5 | CSDE1 | EIF4B | GNL2 | HSP90AB1 | MKI67 | NOP2 |
| ATP5A1 | CSTF2 | EIF4G1 | GNL3L | HSP90B1 | MOV10 | NOP56 |
| ATXN2L | DAZAP1 | EIF4G2 | GRSF1 | HSPA8 | MRPL13 | NOP58 |
| BCLAF1 | DDX1 | EIF4H | GTPBP4 | HSPA9 | MRPL3 | NPM1 |
| BMS1 | DDX17 | EIF5B | HABP4 | HSPD1 | MRPL37 | NSA2 |
| BRIX1 | DDX21 | ELAVL1 | HDLBP | HSPE1 | MRPL42 | NSUN2 |
| BYSL | DDX24 | ENO1 | HEATR1 | IGF2BP1 | MRPL44 | NSUN5 |
| BZW1 | DDX27 | ERAL1 | HMGB1 | IGF2BP2 | MRPS5 | NUFIP2 |
| C14orf166 | DDX5 | ESF1 | HMGB2 | IGF2BP3 | MRPS7 | P4HB |
| C1orf35 | DDX50 | ESRP2 | HNRNPA0 | ILF2 | MRPS9 | PA2G4 |
| C7orf55-LUC7L2 | DDX54 | EWSR1 | HNRNPA2B1 | ILF3 | MRTO4 | PABPC1 |
| CALR | DDX56 | FAM120A | HNRNPA3 | IPO5 | MTDH | PABPC4 |
| CANX | DEK | FASN | HNRNPAB | KHDRBS1 | MTHFSD | PABPN1 |
| CAPRIN1 | DHX15 | FASTKD2 | HNRNPC | KHSRP | MTPAP | PARP1 |
| CCAR1 | DHX8 | FASTKD5 | HNRNPD | KPNA2 | MYBBP1A | PCBP1 |
| CCAR2 | DHX9 | FBL | HNRNPDL | KPNB1 | MYH9 | PCBP2 |
| CCDC9 | EBNA1BP2 | FKBP4 | HNRNPF | KTN1 | NAA15 | PCBP4 |
| CCT3 | EDF1 | FLNA | HNRNPH1 | LARP1 | NAP1L1 | PDIA3 |
| CCT4 | EEF2 | FLNB | HNRNPH2 | LARP4 | NAP1L4 | PEBP1 |
| CCT6A | EFTUD2 | FTSJ3 | HNRNPH3 | LARP4B | NAT10 | PEG10 |
| CEBPZ | EIF2S2 | FUBP1 | HNRNPK | LARP7 | NCL | PES1 |
| CELF1 | EIF3A | FUBP3 | HNRNPL | LIN28B | NHP2 | PFN1 |
| CHD2 | EIF3B | FUS | HNRNPLL | LRP1 | NKRF | PKM |

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| PNN | RBM34 | RPL35 | RPS9 | SRP72 | TIAL1 | YTHDF1 |
| POLR2B | RBM39 | RPL37A | RRBP1 | SRPR | TNPO1 | YWHAE |
| POLRMT | RBM4 | RPL4 | RRP1 | SRRM1 | TOP1 | ZC3H11A |
| PPIB | RBM5 | RPL5 | RRP12 | SRRM2 | TOP2A | ZC3H18 |
| PPIG | RBM6 | RPL6 | RRP36 | SRRT | TRA2A | ZC3H7A |
| PRKDC | RBMX | RPL7 | RRS1 | SRSF1 | TRA2B | ZC3HAV1 |
| PRPF8 | RBMXL1 | RPL7A | RSL1D1 | SRSF2 | TRIM25 | ZCCHC3 |
| PRRC2C | RPL10A | RPL7L1 | RTCB | SRSF3 | TRMT10C | ZFR |
| PSPC1 | RPL11 | RPL8 | SAFB | SRSF4 | TUFM | ZNF326 |
| PTBP1 | RPL12 | RPN1 | SAFB2 | SRSF5 | U2AF1 | ZRANB2 |
| PTBP3 | RPL13 | RPS11 | SARS | SRSF6 | U2AF2 |  |
| PTCD3 | RPL13A | RPS12 | SBDS | SRSF7 | UBAP2 |  |
| PUF60 | RPL14 | RPS13 | SEC63 | SRSF9 | UBAP2L |  |
| PUM2 | RPL15 | RPS14 | SERBP1 | SSB | UPF1 |  |
| PURA | RPL17-C18orf32 | RPS15 | SF3A1 | SSBP1 | URB1 |  |
| PUS1 | RPL18 | RPS15A | SF3A2 | SSRP1 | USP10 |  |
| PWP2 | RPL18A | RPS16 | SF3A3 | STAU1 | UTP14A |  |
| QKI | RPL19 | RPS19 | SF3B1 | STRAP | UTP15 |  |
| R3HDM1 | RPL21 | RPS2 | SF3B14 | SUB1 | UTP20 |  |
| RALY | RPL22 | RPS20 | SFPQ | SUCLG1 | VCP |  |
| RAN | RPL23 | RPS24 | SLIRP | SUGP2 | WDR3 |  |
| RAVER1 | RPL23A | RPS25 | SLTM | SUMO2 | WDR33 |  |
| RBM10 | RPL24 | RPS26 | SND1 | SUPT5H | WDR43 |  |
| RBM14 | RPL27 | RPS28 | SNRNP70 | SURF6 | WDR75 |  |
| RBM15 | RPL27A | RPS3 | SNRPA | SYNCRIP | XRCC5 |  |
| RBM19 | RPL28 | RPS3A | SON | TAF15 | XRCC6 |  |
| RBM22 | RPL3 | RPS5 | SPATS2L | TARDBP | XRN2 |  |
| RBM25 | RPL30 | RPS6 | SPEN | TCOF1 | YARS |  |
| RBM28 | RPL31 | RPS7 | SPTBN1 | THRAP3 | YBX1 |  |
| RBM3 | RPL32 | RPS8 | SRP14 | TIA1 | YBX3 |  |