

Supplementary Material Table S1 Characterization of human hepatic cell lines

Cell line	Cell type	Morphology ¹	Mutated genes ²	Number of chromosomes	Number of articles (PubMed)	References
SK-Hep-1	Adenocarcinoma	Epithelial	CDKN2A, BRAF	56-64	602	[1,2]
Huh6	Hepatoblastoma	Epithelial	CTNNB1, TP53	NA	212	[3–5]
HCC.1.1	Hepatocellular Carcinoma	Epithelial	NA	Gains: 7, 8, 12q, and 20p and losses: 4, 6, 13q and 8, 9p	2	[6,7]
HCC.2					2	
HCC.1.2					2	
HCC.3					1	[6]
Hep3B	Hepatocellular Carcinoma	Epithelial	AXIN1, RB1	≈60	2,994	[3,8]
HLE	Hepatocellular Carcinoma	Epithelial	TERT, TP53	NA	369	[14,15]
Huh7	Hepatocellular Carcinoma	Epithelial	KDR, POLD3, TERT, TP53	55-63	6,463	[3,9–11]
MHCC97H	Hepatocellular Carcinoma	Epithelial	BRD7, KEAP1, TP53	59-65	157	[9,12]

PLC.PRF5	Hepatocellular Carcinoma	Epithelial	CDKN2A, TP53, TSC2	50-60	33	[9,13,14]
SNU182	Hepatocellular Carcinoma	Epithelial	TP53	50-56	41	[15–17]
SNU354			ARID2, AXIN1, TERT	NA	18	[9,18]
SNU368			ARID1A, AXIN1, TERT, TP53	78-84	13	[9,15,19]
SNU387			NRAS, TERT, TP53	≈67	57	[19–21]
SNU398			CTNNB1, TP53	57-62	80	[9,15,19]
SNU423			TERT, TP53	≈79	33	[9,19,20,22]
SNU475				58-66	45	[15,19,20]
SNU739			ARID1B, TERT, TP53	NA	5	[9,19]
SNU761			TP53	NA	13	[9]
SNU878			TSC2, TP53	NA	2	[9,19]
SNU886			TERT, TP53	NA	3	

MT-CHC01	Intrahepatic cholangiocarcinoma	Epithelial	KRAS	52-77	4	[12,23]
THLE-2	Normal	Epithelial	No mutations	near diploid	74	[24]
THLE-3					39	
HepaRG	Hepatocellular Carcinoma	Epithelial-	PLIN2, ANXA1, H2AFY, SNX1, GCHFR, APO	46	880	[25–27]
TFK-1	Cholangiocarcinoma	Epithelial cells growing as monolayers	TP53	≈72 (64-81)	102	[28]
SNU449	Hepatocellular Carcinoma	Epithelial, diffusely spreading cells	ARID1A, AXIN1, TP53	57-63	139	[9,15,19,29]
HepG2	Hepatoblastoma	Epithelial	CTNNB1	50-60	34,021	[30,31]
JHH1	Hepatocellular Carcinoma	Epithelial	CREBBP	NA	13	[32,33]
JHH2			CDKN2A, TERT, TP53	NA	8	[9,33]
JHH4			ACVR2A, TERT, TP53	74	16	[5,34]

JHH5			AXIN1, TP53, TERT	NA	5	[9,20]
JHH6			TP53, TERT	NA	25	
JHH7				NA	23	
Li7	Hepatocellular Carcinoma	Epithelial	TERT	NA	26	[9,35]
Mahlavu	Hepatocellular Carcinoma	Fibroblastoid	PIK3CA, TP53	NA	100	[36,37]
Fa2N-4	Normal,	Hepatocytes	NA	NA	21	[38]
B1	Hepatocellular Carcinoma	NA	TP53,	NA	1	[39]
HLF	Hepatocellular Carcinoma	NA	TERT, TP53	NA	323	[23,40]
Huh1	Hepatocellular Carcinoma	NA	AXIN1, TP53	NA	57	[3,41]
LX-2	Normal	Stellate	HSC/MFB, FN1, collagen type IV, collagen type I, various TGF- β receptors, vimentin, desmin, α -smooth	55-78	801	[42,43]

LSEC line	Normal	Sinusoidal	muscle actin, CTGF, and p21	NA	2	[44]
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1-information according to ATCC (<https://www.atcc.org/>) and Expasy Cellosaurus (<https://web.expasy.org/cellosaurus/>) ; 2 – information according to Expasy Cellosaurus (<https://web.expasy.org/cellosaurus/>), NA – no find data in ATCC (<https://www.atcc.org/>) and Expasy Cellosaurus (<https://web.expasy.org/cellosaurus/>), PubMed (<https://pubmed.ncbi.nlm.nih.gov/>) – accessed on 29 November 2021.

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