

Table S5. Potential HCC-specific gene signature restricted only to human HCC.

Comparison of genes within the up-regulated HCC-specific zebrafish enriched genes (supplementary material Table S4) as identified by GSEA cross-species analysis of different human tumor data sets yielded a subset list of 48 genes. These genes were enriched only in human HCC.

No.	Gene Symbol	Gene Name
1	ANGPT1	Angiopoietin 1
2	APOM	Apolipoprotein M
3	ARRB2	Arrestin, beta 2
4	CACNA1D	Calcium channel, voltage-dependent, L type, alpha 1D subunit
5	CCL21	Chemokine (C-C motif) ligand 21
6	CDC42EP4	CDC42 effector protein (Rho GTPase binding) 4
7	CDIPT	CDP-diacylglycerol--inositol 3-phosphatidyltransferase
8	EIF4A2	Eukaryotic translation initiation factor 4A2
9	FBXO11	F-box protein 11
10	GBF1	Golgi brefeldin A resistant guanine nucleotide exchange factor 1
11	GPR34	G protein-coupled receptor 34
12	HS6ST1	Heparan sulfate 6-O-sulfotransferase 1
13	MDM4	Mdm4 p53 binding protein homolog (mouse)
14	MOBKL1A	MOB1, Mps One Binder kinase activator-like 1A (yeast)
15	MR1	Major histocompatibility complex, class I-related
16	NPM1	Nucleophosmin (nucleolar phosphoprotein B23, numatrin)
17	PPP1CB	Protein phosphatase 1, catalytic subunit, beta isozyme
18	RAB3GAP2	RAB3 GTPase activating protein subunit 2 (non-catalytic)
19	RHOT1	Ras homolog gene family, member T1
20	RPL10A	Ribosomal protein L10a
21	RPL13	Ribosomal protein L13
22	RPL18	Ribosomal protein L18
23	RPL19	Ribosomal protein L19
24	RPL23A	Ribosomal protein L23a
25	RPL30	Ribosomal protein L30
26	RPL35	Ribosomal protein L35
27	RPL4	Ribosomal protein L4
28	RPL5	Ribosomal protein L5
29	RPL7	Ribosomal protein L7
30	RPL7A	Ribosomal protein L7a
31	RPL8	Ribosomal protein L8
32	RPL9	Ribosomal protein L9
33	RPS10	Ribosomal protein S10
34	RPS11	Ribosomal protein S11
35	RPS18	Ribosomal protein S18
36	RPS2	Ribosomal protein S2
37	RPS21	Ribosomal protein S21
38	RPS3	Ribosomal protein S3
39	RPS5	Ribosomal protein S5

40	RPS7	Ribosomal protein S7
41	RPS8	Ribosomal protein S8
42	SLC25A3	Solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3
43	STAT5B	Signal transducer and activator of transcription 5B
44	STMN1	Stathmin 1
45	TBX2	T-box 2
46	TTN	Titin
47	UBE2D2	Ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)
48	VAV3	Vav 3 guanine nucleotide exchange factor