

Supplementary Table 1 List of hepatocellular carcinoma (HCC) dataset information.

Gene	Expression	Data source	HCC tissue			Non-HCC tissue			<i>P</i> value
Omnibus platform			Number	Mean	SD	Number	Mean	SD	
GPL11154	GSE63863	163	2.30	1.15	140	1.69	0.73	< 0.001	
	GSE65485								
	GSE73708								
	GSE81550								
	GSE87592								
	GSE174608								
	GSE114564								
	GSE148355								
	GSE69164								
GPL14951	GSE57727	93	6.79	0.53	18	6.89	0.80	0.510	
	GSE98617								
GPL16043	GSE74656	25	1.40	0.55	25	1.22	0.57	0.267	
	GSE113996								
GPL16791	GSE104310	79	4.09	1.61	78	3.71	1.22	0.103	

	GSE63018								
	GSE77509								
	GSE94660								
	GSE97214								
	GSE112221								
GPL21047	GSE101728	10	3.63	0.13	10	3.50	0.057	0.015	
	GSE98269								
GPL5175	GSE12941	48	3.05	0.08	48	3.05	0.05	0.784	
	GSE84005								
GPL570	GSE101685	844	3.33	0.40	528	3.08	0.30	< 0.001	
	GSE102079								
	GSE107170								
	GSE112790								
	GSE121248								
	GSE17548								
	GSE19665								
	GSE29721								
	GSE33006								

	GSE41804							
	GSE45436							
	GSE6222							
	GSE62232							
	GSE6764							
	GSE84402							
GPL571	GSE14323	96	2.53	0.08	131	2.53	0.07	0.814
	GSE14520							
	GSE17967							
	GSE9839							
GPL6244	GSE45050	66	3.74	0.09	75	3.72	0.07	0.314
	GSE64041							
GPL6480	GSE117361	83	2.90	0.14	82	2.88	0.14	0.334
	GSE54236							
GPL6947	GSE87630	104	3.12	0.18	97	2.97	0.12	< 0.001
	GSE89377							
GPL9052	GSE25599	60	4.67	1.35	60	3.59	1.26	< 0.001
	GSE77314							

GPL5474	GSE10143	80	12.84	0.74	307	10.58	1.62	< 0.001
GPL15491	GSE114783	10	10.45	0.76	26	10.07	1.22	0.377
GPL20115	GSE115018	12	-1.44	0.06	12	-2.06	0.22	0.004
GPL20795	GSE124535	35	3.32	1.03	35	2.87	0.57	0.027
GPL20301	GSE125469	3	3.66	1.30	3	3.30	0.11	0.712
GPL3921	GSE14520	225	2.25	0.11	220	2.22	0.08	0.008
GPL23126	GSE166163	3	5.16	0.11	3	5.10	0.67	0.900
GPL18461	GSE20140	35	7.90	0.59	34	7.64	0.29	0.029
GPL6793	GSE22058	100	7.99	0.57	97	7.55	0.26	< 0.001
GPL10553	GSE22405	24	2.60	0.06	24	2.62	0.06	0.379
GPL10687	GSE25097	268	2.40	0.08	289	2.34	0.03	< 0.001
GPL10999	GSE33294	3	2.91	1.69	3	2.01	0.15	0.486
GPL4133	GSE46408	6	7.49	0.60	6	7.65	0.55	0.648
GPL13369	GSE46444	88	6.73	0.76	48	6.98	0.84	0.077
GPL14550	GSE50579	67	3.46	0.17	10	3.46	0.12	0.952
GPL16955	GSE54238	26	8.83	0.70	30	8.42	0.52	0.015
GPL9115	GSE55048	4	3.90	0.44	4	2.36	0.42	0.015
GPL15433	GSE56545	21	3.25	0.17	21	3.02	0.14	0.012

GPL16699	GSE57555	5	-0.04	0.14	5	-0.06	0.01	0.684
GPL18451	GSE59259	8	11.86	0.80	8	11.23	0.30	0.067
GPL96	GSE60502	18	5.39	1.14	18	4.74	0.85	0.067
GPL13667	GSE63898	228	5.15	0.51	168	4.86	0.36	< 0.001
GPL17077	GSE67764	3	0.14	1.32	6	-0.69	0.26	0.199
GPL17586	GSE76311	62	2.93	0.05	59	2.92	0.02	0.112
TCGA_GTEEx_liver	-	371	4.36	1.2066	276	3.72	1.02	< 0.001
E_MTAB_4171	-	15	13.57	0.82	15	11.95	0.61	< 0.001
E_MTAB_8887	-	23	8.33	1.83	17	7.25	0.99	0.037

HCC: Hepatocellular carcinoma.