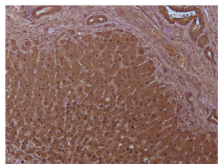
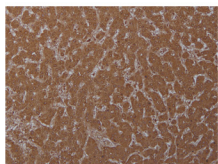


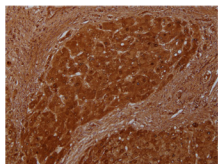
Low Grade Dysplastic Nodule
in Right Hepatic Lobe
LTCDS# D711



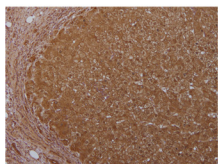
HCC Grade I
in Left Hepatic Lobe
LTCDS# D711



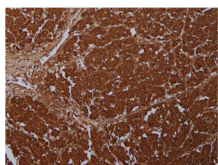
Low Grade HCC arising in Dysplastic
Nodule of Right Hepatic Lobe
LTCDS# D697



HCC; Moderately Differentiated
Grade II
LTCDS# D704



HCC Grade I
LTCDS# D718



HCC; Poorly Differentiated
Grade III
LTCDS# D704

Supplementary Fig. 1.

AEG-1 expression is increased with the grades of HCC: AEG-1 expression was analyzed by immunohistochemistry from 5 different individuals containing different grades of HCC. The first patient (LTCDS# D711) contained low grade dysplastic nodule in the right hepatic lobe and grade 1 HCC in the left hepatic lobe with no vascular invasion. The second patient (LTCDS# D697) contained low grade HCC arising in dysplastic nodule of right hepatic lobe. The third patients (LTCDS# D704) contained four nodules of moderately differentiated HCC (grade II) arising in the background of liver cirrhosis. The fourth patient (LTCDS# D718) contained multiple nodules ranging from Grade I to Grade II HCC with no vascular invasion and no metastatic carcinoma with clinical history of Hepatitis C virus infection. The fifth patient (LTCDS# D728) contained multifocal moderately to poorly differentiated HCC (Grade II-III) with focal areas of vascular invasion.

Gene	Chromosome	Pos	Correl between log(2) expression & AEG1 copy number
1 MTERFD1	8	97.332	0.820709644
2 STK3	8	99.7434	0.785417568
3 PTK2	8	141.9096	0.782937144
4 FAM82B	8	87.5699	0.764001459
5 ZNF7	8	146.0458	0.763166295
6 TERF1	8	74.1023	0.762976213
7 VCPIP1	8	67.7263	0.759458496
8 Sharpin	8	145.2287	0.75579711
9 SIAHBP1	8	144.9726	0.755451215
10 DKFZP434I11	8	95.6024	0.747023509
11 STAU2	8	74.7249	0.746244437
12 MAF1	8	145.2334	0.745060197
13 NCOA2	8	71.24	0.74031467
14 VPS13B	8	100.5261	0.737408027
15 ARMC1	8	66.6911	0.731005635
16 NCOA6IP	8	56.8743	0.728897427
17 RAB2	8	61.6441	0.728182533
18 PHF20L1	8	133.8933	0.722761914
19 MTDH	8	98.767	0.722500022
20 CPNE3	8	87.6183	0.71610805
21 FBXL6	8	145.5515	0.713584783
22 CHRAC1	8	141.5927	0.709773947
23 NDUFB9	8	125.6349	0.708029756
24 ANKRD46	8	101.621	0.704187043
25 COMMD5	8	146.0431	0.700275474
26 EBAG9	8	110.6336	0.698984579
27 PTDSS1	8	97.3792	0.69883097
28 RRS1	8	67.5044	0.698813585
29 EXOSC4	8	145.2066	0.698560403
30 ZNF16	8	146.137	0.69806776
31 ATP6V1C1	8	104.1362	0.695583571
32 CYHR1	8	145.6541	0.694566956
33 kleyblu	8	144.711	0.690319422
34 VPS28	8	145.6216	0.690101047
35 EDD1	8	103.4147	0.687496719
36 PYCRL	8	144.7611	0.686271018
37 SCRIB	8	144.9574	0.686072508
38 SGK1	8	67.8429	0.675761153
39 FLJ20530	8	95.9403	0.672758221
40 TMEM68	8	56.8267	0.671524601
41 C8orf33	8	146.2553	0.670210043
42 MTSS1	8	125.6535	0.668158465
43 LOC401466	8	86.317	0.666186349
44 KIAA0143	8	133.039	0.664224375
45 LOC441383	8	146.1952	0.663324915
46 ADCK5	8	145.5788	0.662498923
47 NFKBIL2	8	145.6336	0.661700114
48 ZNF34	8	145.9729	0.659577013
49 C8orf32	8	124.5215	0.646455776