

**Table S3: Human liver cancer sample information**

#	diagnosis
1	HCC, T2NXMX, inflammation
2	HCC, T2NCMC, cirrhosis, hepatitis C
3	HCC, T4N0MX
4	HCC, T3NXMX, cirrhosis
5	HCC, T1NXMX
6	HCC, CC
7	HCC, pT1NX, cirrhosis, hepatitis
8	HCC, inflammation
9	HCC, pT3NX, inflammation
10	CC
11	HCC, cirrhosis
12	CC
13	HCC, pT1NX
14	HCC, pNX
15	HCC
16	HCC
17	HCC, cirrhosis, inflammation
18	HCC, necrotic sarcoma, cirrhosis
19	HCC
20	HCC, cirrhosis
21	HCC, cirrhosis
22	HCC, pT3N0, cirrhosis