

## **SUPPLYMENTRY TABLES**

**Supplementary File S1: The list of differentially expressed genes between preneoplastic lesions and HCC.**

**Supplementary Table S1: Functional enrichment result of up-regulated protein coding gene in HCC samples**

**Supplementary Table S2: Functional enrichment result of down-regulated protein coding gene in HCC samples**

**Supplementary Table S3: Functional enrichment result of the module containing LINC01419 and AK021443**

**Supplementary Table S4: Functional enrichment result of the AF070632-centered subnetwork**