Supporting Information Legends:

**Table S1** Detailed information on these hepatocellular carcinoma (HCC) significant genes and proteins.

**Table S2** Detailed information on eight existing protein-protein interaction databases

**Table S3** Protein-protein interaction information on hepatocellular carcinoma (HCC) significant proteins

**Table S4** Enrichment analysis of candidate hepatocellular carcinoma (HCC) markers on gene ontology (GO) molecular functions and biological processes, and KEGG pathways.