

## Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Expressed somatic mutations in the multi-regional sampled HCC dataset

File Name: Supplementary Data 2

Description: HCC regional neo-epitopes and putative immunogenicity

File Name: Supplementary Data 3

Description: ITH signature

File Name: Supplementary Data 4

Description: Differentially expressed genes across single cell sequencing clusters

File Name: Supplementary Data 5

Description: Percentage of HCC cells with predicted transcription factors "on" as per SCENIC analysis