## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1 Description: Bulk RNA-seq for ABC-Myc liver cancer model.

File Name: Supplementary Data 2 Description: Single cell cluster summary stats.

File Name: Supplementary Data 3 Description: Cluster 7 against other tumor clusters.

File Name: Supplementary Data 4 Description: Cluster 16 against other tumor clusters.

File Name: Supplementary Data 5 Description: Murine HB NEJF10 CRISPR screen.

File Name: Supplementary Data 6 Description: Targets with inhibitors available.

File Name: Supplementary Data 7 Description: Murine HB NEJF1 CRISPR screen.

File Name: Supplementary Data 8 Description: Murine HB NEJF6 CRISPR screen.

File Name: Supplementary Data 9 Description: Venn for NEJF1, NEJF6, NEJF10 CRISPR screen.

File Name: Supplementary Data 10 Description: DepMap Huh6.

File Name: Supplementary Data 11 Description: Venn for essential genes in Huh6 and NEJF1, NEJF6, NEJF10.

File Name: Supplementary Data 12 Description: IC20 doxorubicin CRISPR screen in NEJF10.

File Name: Supplementary Data 13 Description: IC90 doxorubicin CRISPR screen in NEJF10.