

**Supplementary methods 3.** Analysis of the cell populations defined by the ALDEFLUOR and CD44CD24lin- phenotypes in the UM2 tumor. The ALDEFLUOR-positive population in UM2 showed a considerably higher fluorescence compared to the other tumors (Supplementary Fig. 3). This required compensation and different gate setup for the analysis of the markers CD44CD24lin, as shown in the flow chart on the left side of the figure .