RANDID: DFCI 419479 Prediction: Cholangiocarcinoma Prediction probability: 0.895 Somatic Mut. 3.0 2.5 IDH1 PBRM1 **TP53** 2.0 -SHAP value PIK3CA PBRM₁ 1.5 -ARID1A Age/Sex 1.0 **SBS16** KIF1B^{TP53} **SBS10**b NOTCH2 KIF1B NOTCH2 SB\$10b--0.5

