



**Figure S1.** Confirmation of *EGFRvIII* (A) and *TMPRSS2-ERG* (B) fusion detected by the OCAv1 in solid tumor samples using TaqMan qRT-PCR fusion assays. Relative expression of fusion transcripts was quantified by the  $\Delta\Delta C_t$  method using *GAPDH* as a reference and a negative sample without fusions as the calibrator and is shown as fold changes (A) or  $\log_{10}(\text{fold change})$  (B). Replicates of experiments were performed when sufficient RNA was available.