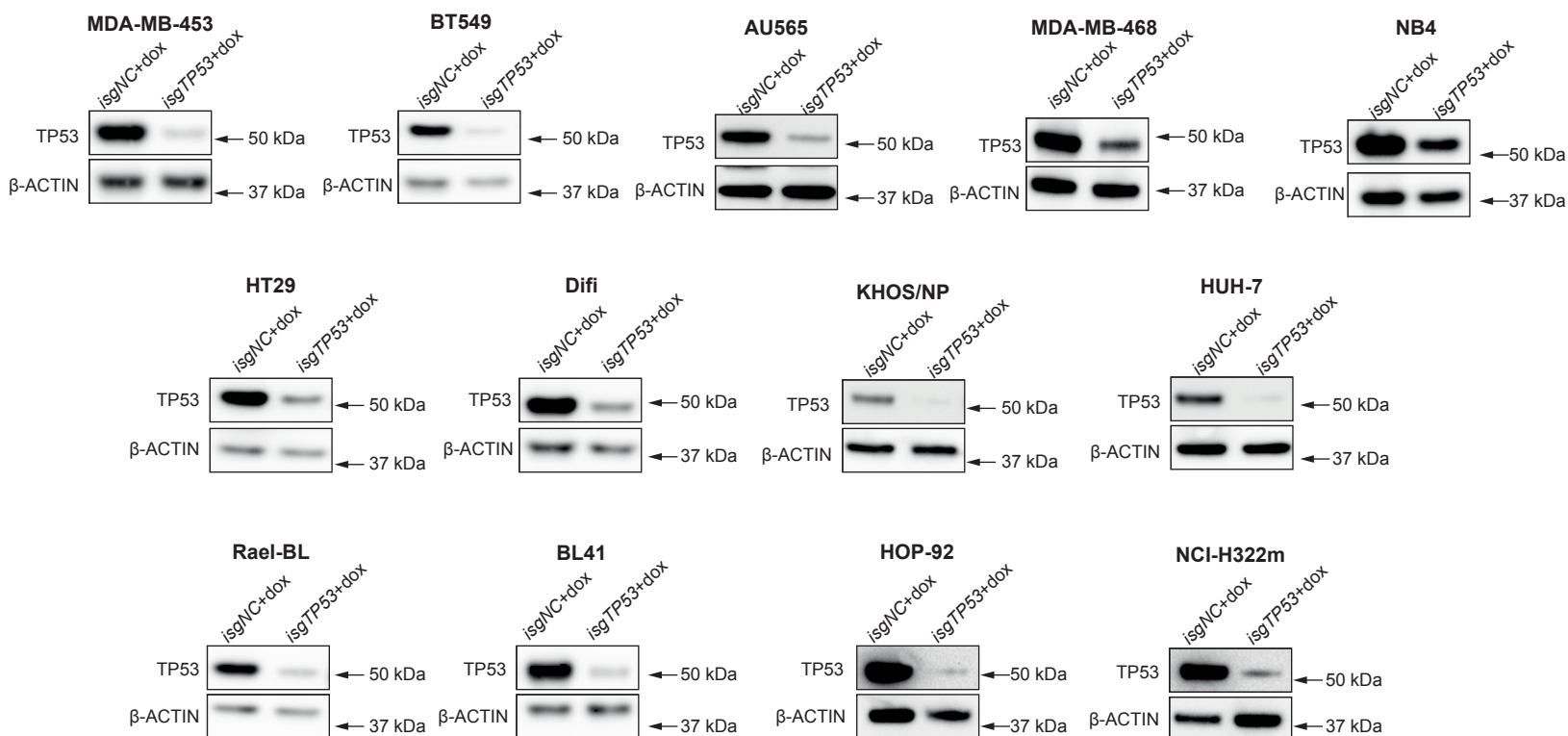
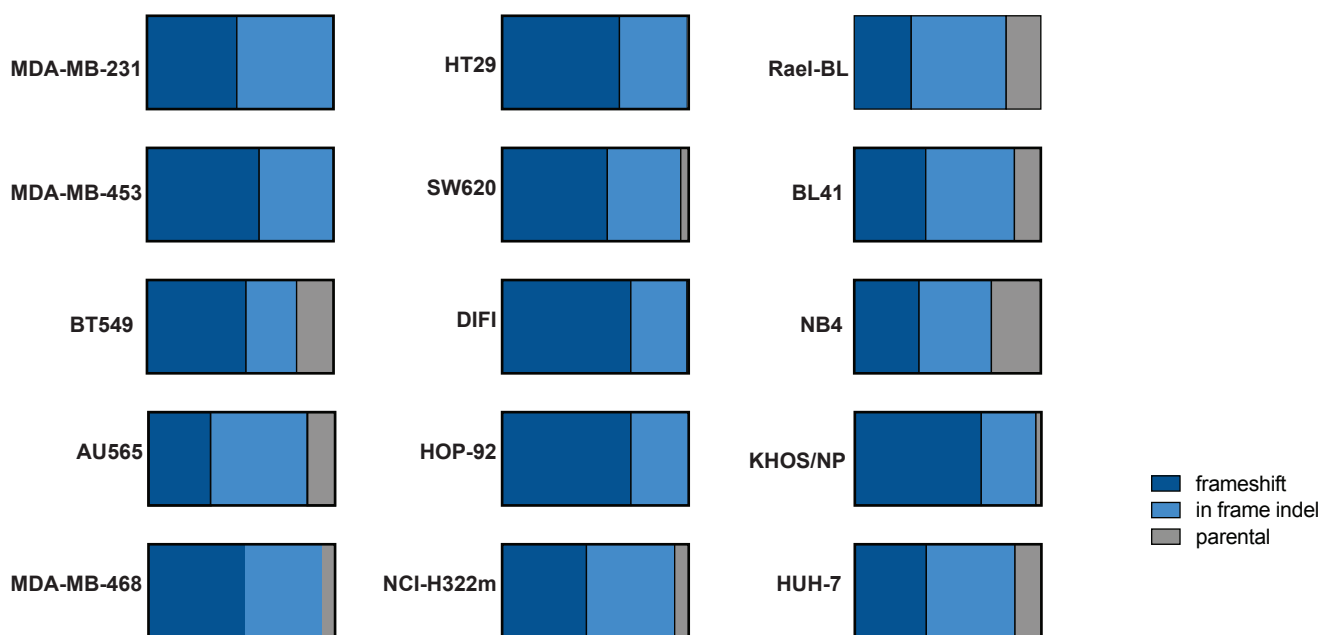


A



B



Supplementary Figure S1. Targeted removal of mutant TP53 in diverse human cancer cell lines.

A. Western blot analysis confirming CRISPR/Cas9-mediated removal of mutant TP53 in the indicated human cancer cell lines, in which a mutant TP53 specific sgRNA (isgTP53) had been induced by treatment with doxycycline for 5 days. Doxycycline mediated induction of a non-targeting sgRNA, isgNC, was used as a negative control. As further negative controls, the cancer cell lines that had been transduced with either the isgTP53 or the isgNC were not treated with doxycycline. Probing for β -ACTIN was used as a protein loading control. Western blots shown are representative of 2 or 3 independent blots (independent experiments). **B.** NGS sequencing confirming the efficient deletion of the mutant TP53 genes from their endogenous loci in the indicated cancer cell lines 5 days after doxycycline mediated induction of the sgRNA targeting the mutant TP53 gene.