



Supplementary Figure S7 | HDR-, HITI- and oaHDR-mediated gene knock-in in different cell types. **a** Schematic representation of gene targeting by HDR and HITI with mCherry reporter donor in the GFP-correction HEK293 and hESC line. HDR donor (IRESmCherry-HDR-0c) is inserted by HDR (top). HITI donor (IRESmCherry-MC) is inserted by HITI (bottom). **b, c** mCherry knock-in efficiency in HEK293 (**b**) and hES (**c**) cells. *** $P < 0.001$. Data from three independent experiments in Unpaired Student's *t*-test. Data are represented as mean \pm s.e.m. **d** Schematic model of SATI conceptually from our observations in different cell types.