Supplemental Figure S6 Gene editing results using the CRISPR/Cas9 system. (A, B, C) Gene editing efficiencies (produced indels) for the target genes PLK1 (A), KIF11 (B), and INCENP (C) produced with two different solid-phase (SP) transfections (either simultaneously co-transfected recombinant Cas9 endonuclease with gRNA or an all-in-one cDNA) on the two cell lines HeLa and HEK293T (lanes 2-5). The first lane shows the uncut PCR product (same product as in lane 2, without T7E1 endonuclease). The transfections were performed in 384-multiwell plates. Cells were lysed 48 hours post transfection, followed by PCR target amplification and genomic cleavage detection assay. (D) Gene editing efficiencies for the depicted target genes, produced in HeLa cells after lentiviral transduction of the CRISPR constructs (lanes 2, 4 and 6). Lanes 1, 3 and 5 show the respective uncut PCR products (without T7E1 endonuclease). The transductions were performed in 384-multiwell plates. Cells were lysed 48 hours post transduction, followed by PCR target amplification and genomic cleavage detection assay. (E) Gene editing efficiencies for the depicted target genes, produced in HeLa and HEK293T cells after liquid-phase (LP) transfection of simultaneously co-transfected recombinant Cas9 endonuclease with gRNA. The transfections were performed in 96-multiwell plates. Cells were lysed 48 hours post transfection, followed by PCR target amplification and genomic cleavage detection assay.