

Supplementary Figure 1. $\lambda N/BoxB$ tethering assay in stably transduced CH12F3 cells. (a) The stable cell lines were generated by the sequential transduction of 5× BoxB-reporter and λN -AID or λN alone. The CH12F3 cells were first infected by lentivirus containing the expression unit of 5× BoxB-reporter, after puromycin selection for 2 days, the lentiviral form of λN -AID or λN alone was further applied and selected with hygromycin for another 3 days. The two selected cell lines were further passaged twice and then genomic DNA was collected for PCR amplification and Sanger sequencing. (b) The mutation frequency observed in the BoxB region upon transduction with λN alone or λN -AID. The mutation frequency was calculated from 15 sequenced clones. (c) Summary of the sequenced clones and mutation spectrum as shown in (b).