

Clearing of Foreign Episomal DNA from Human Cells by CRISPRa-Mediated Activation of Cytidine Deaminases

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Supplementary materials

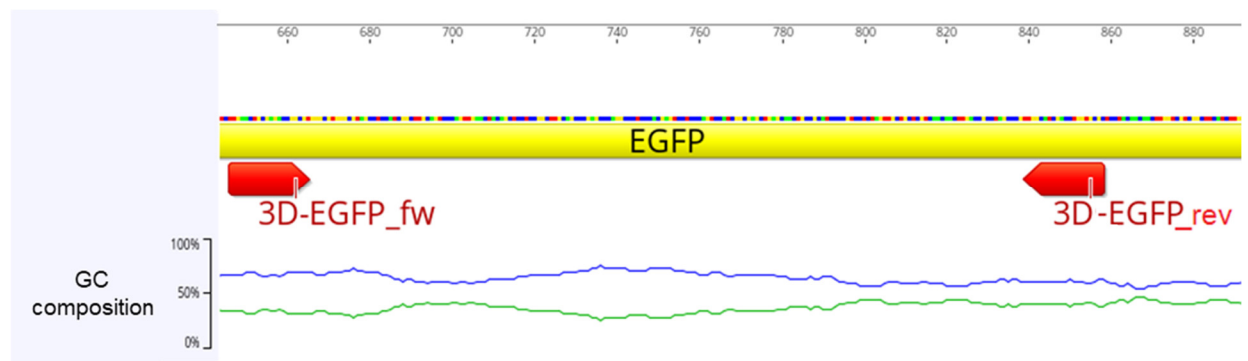


Figure S1. Schematic representation of the GFP (EGFP) locus analyzed by 3D-PCR. Blue line: GC composition; green line: AT composition. 3D-EGFP_fw/3D-EGFP_rev.

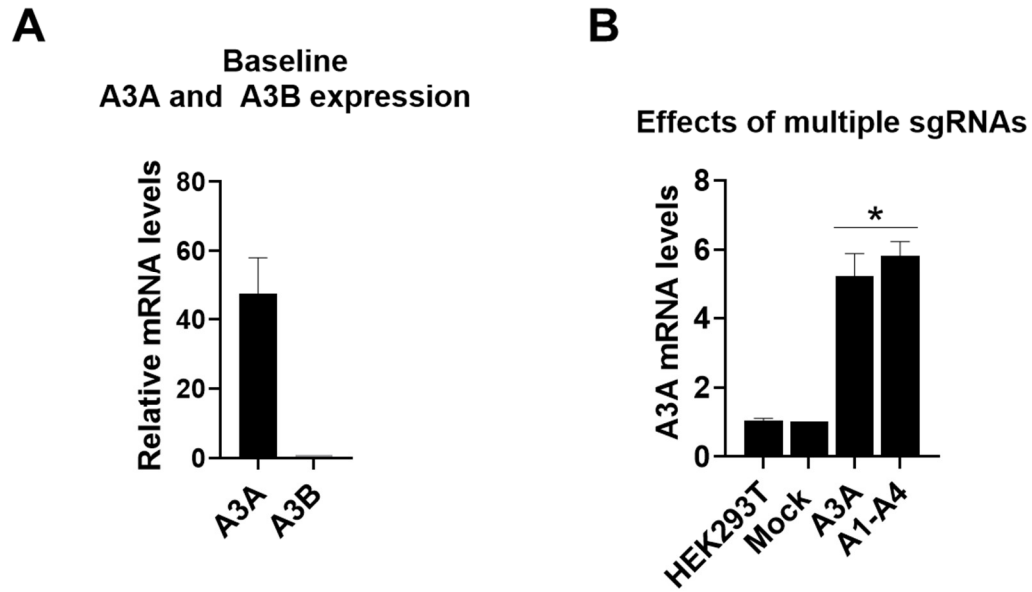


Figure S2. Baseline expression of APOBEC3A/3B and effects of multiple sgRNAs on A3A transactivation. (A) Baseline expression of A3A and A3B mRNAs. (B) Activation of A3A by a single sgRNA A3A (A3A2) or multiple sgRNAs (A3A1-4) using dCas9p300 CRISPRa system. A3A/A3B mRNA levels were normalized to GAPDH mRNA. Asterisks indicate statistically significant differences in means compared to HEK293T and Mock control. * $p < 0.0001$.