

## Supplementary Table and Figure Legends

**Supplementary Table S1.** Primers used in this study.

**Supplementary Table S2.** Validation of the Cpf1 target binding sites by the T7EN I cleavage assay.

**Supplementary Table S3.** Comparison between the CRISPR-offfinder tool and other CRISPR design tools.

**Supplementary Figure S1.** Evaluation of the cleavage efficiency of 17-, 18-, 19- and 20-nt sgRNAs targeted to the AR gene using the TIDE method.

