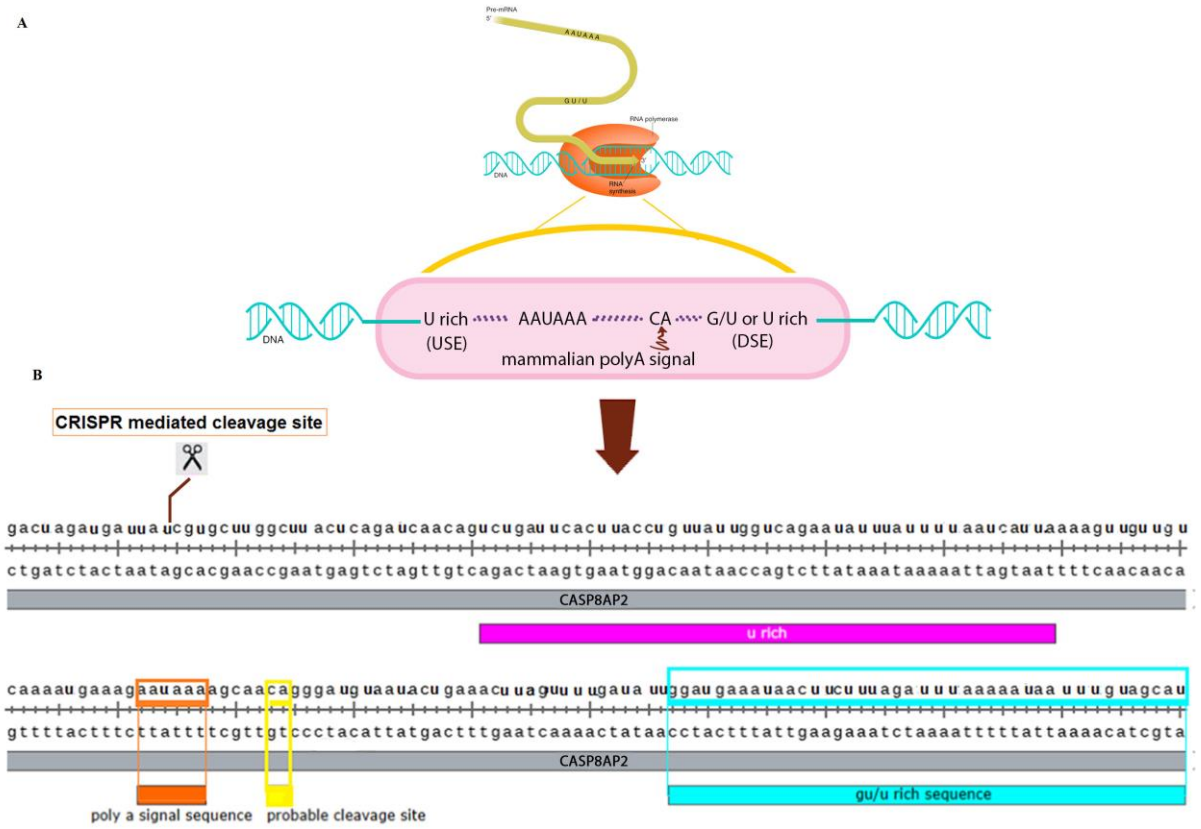

Figure S1: Targeting strategy using CRISPR system on the 3'UTR of *CASP8AP2* gene.

A) Schematic representation of the 3'UTR context and structure. B) Design of gRNAs for CRISPR-Cas9 mediated cleavage. The gRNAs target the 3'UTR of *CASP8AP2* gene, resulting in the removal of a non-coding fragment containing the poly(A) signal sequence. The HITI strategy is then used to insert an EGFP reporter cassette at the cleavage site.

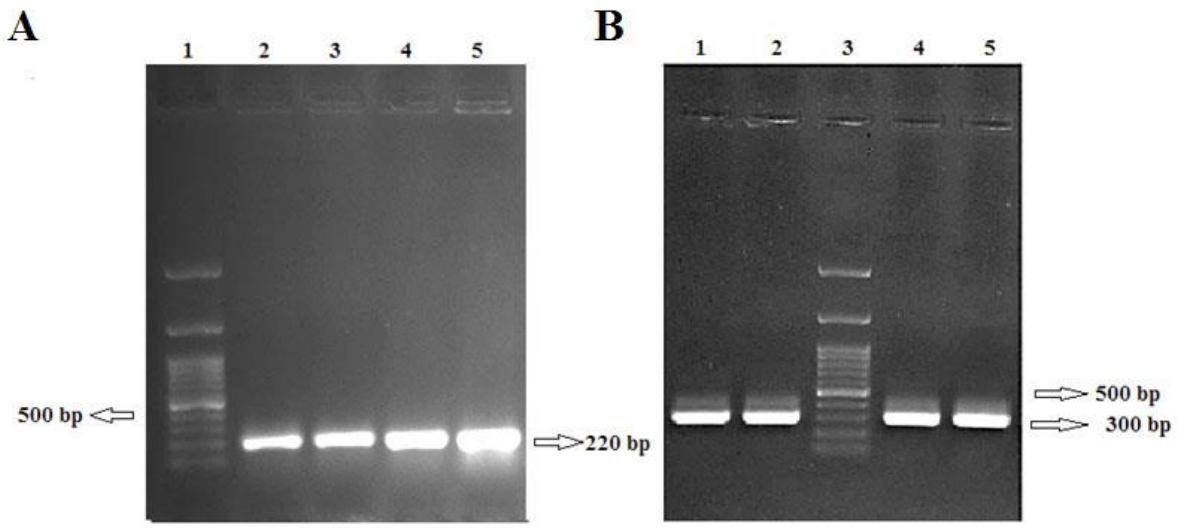

Figure S2: PCR validation of gRNA cloning in PX459 (220 bp) and PX460-1 (300 bp) plasmids. A) PX459, B) PX460-1. Lanes: 1: 100 bp ladder, 2, 4: gRNAs, 3, 5: gRNAs with PAM.