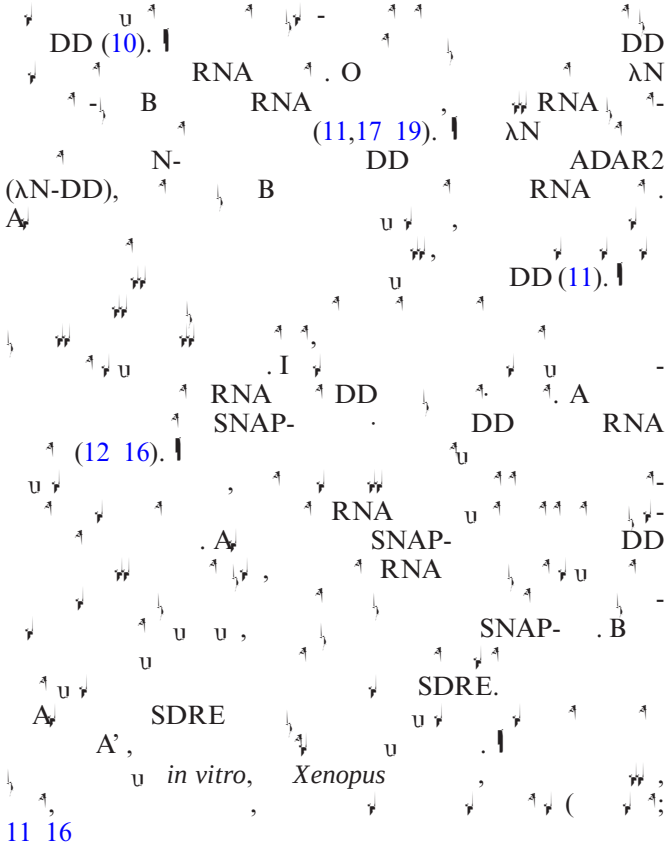

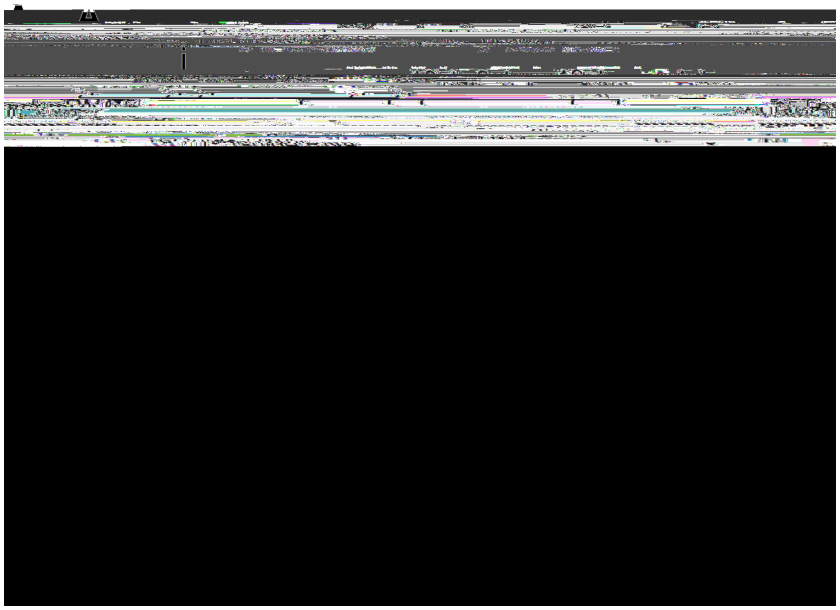

Figure 1. P RNA υ B RNA . (**A**) A SDRE. A ( ) 19 3′ B . O RNA C ( ) A. (**A**) E *in vitro* 20 RNA υ A υ S S3. E - , = 3.

A RNA υ (5). ADAR - . λN , , B RNA , RNA . I υ - (11), υ SDRE . I , υ , - . I , - , λN

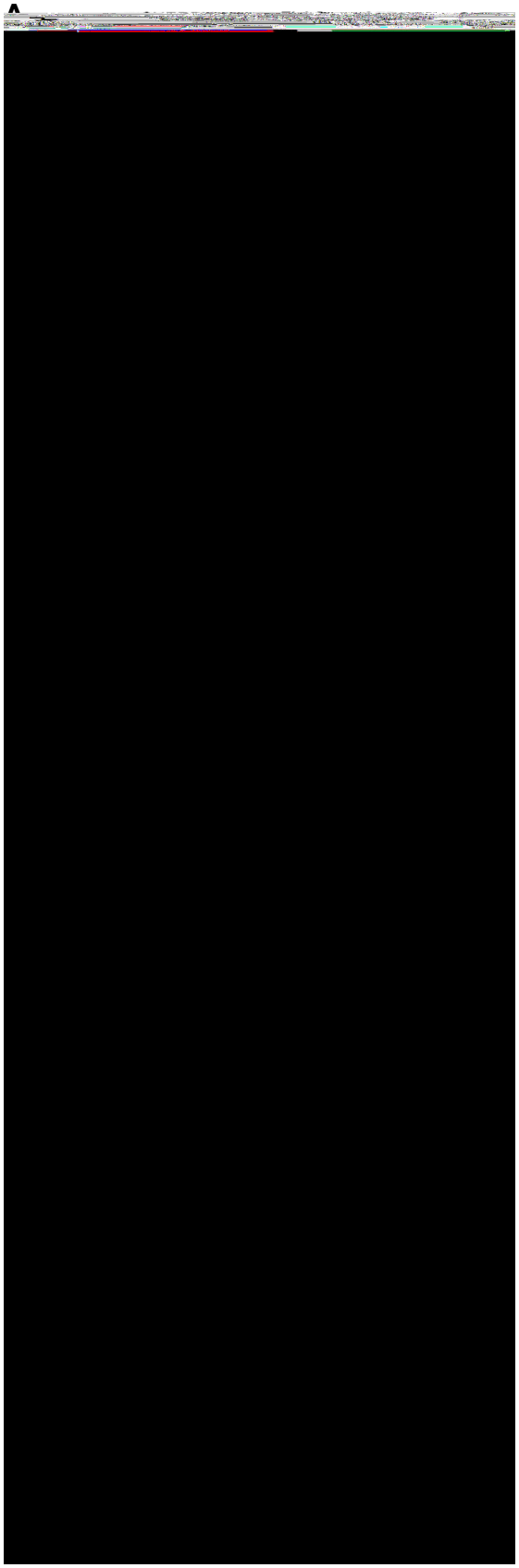

Figure 2. F . (**A**) C -

SDRE.

Multiple λN peptides improve RNA editing ef ciency

SDRE, RNA. O
λN: B (11). -
-
-
λN
B . λN .
λN λN-DD (F 3A) -
1λN-DD 2λN-DD
Pichia pastoris (11,22 24). -
C - GFP 58
RNA *in vitro*
- (F 3A).
λ

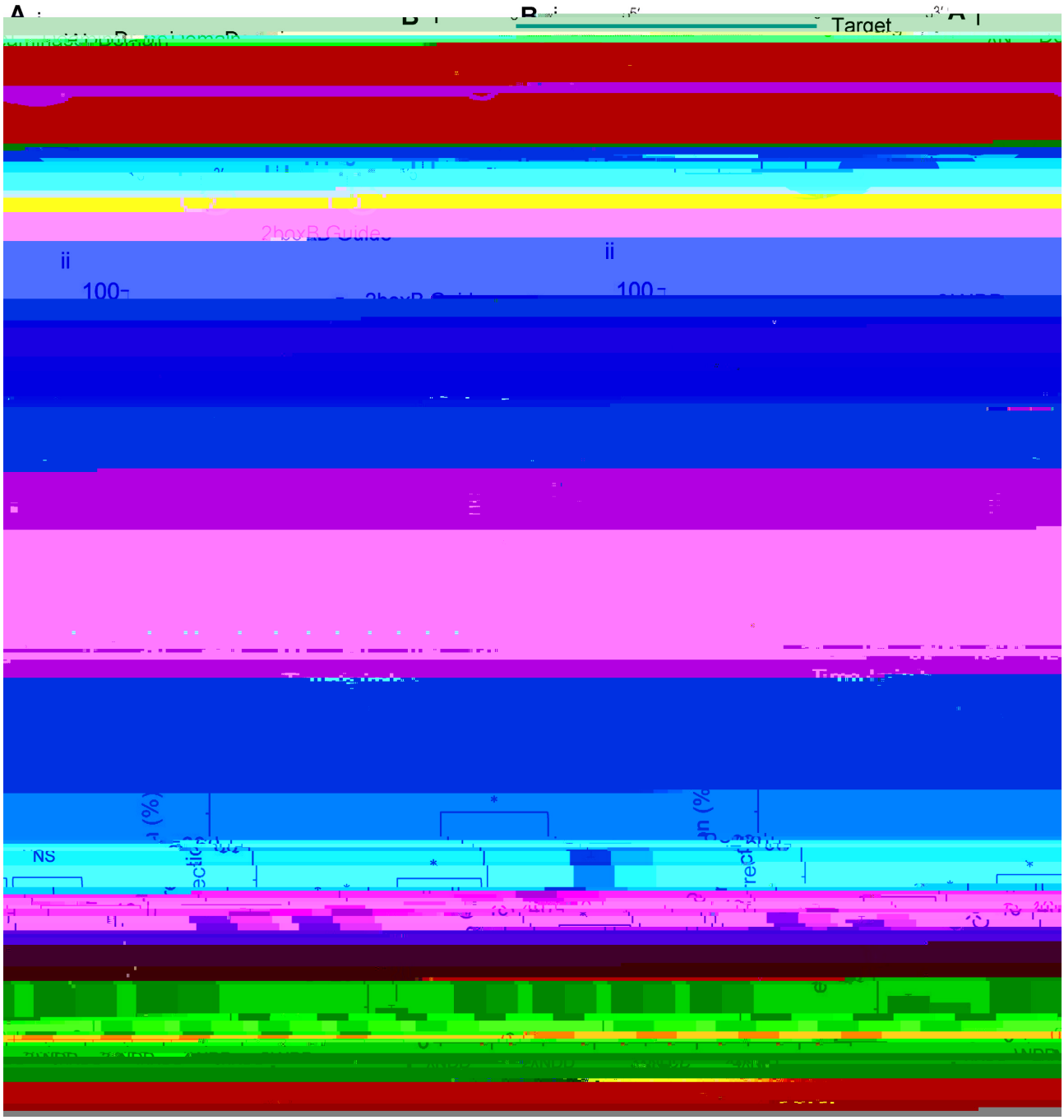

Figure 3. I λN B υ . (**A**) A N- λN'. (**A**) R λN-DD 2λN-DD, *Pichia pastoris*, C - GFP 58 *in vitro* 1 B RNA . R , (M M), k = 0.1 ± 0.02 0.3 ± 0.05 $^{-1}$ λN-DD 2λN-DD, υ . E 35°C. C 1 5λN DD HEK293

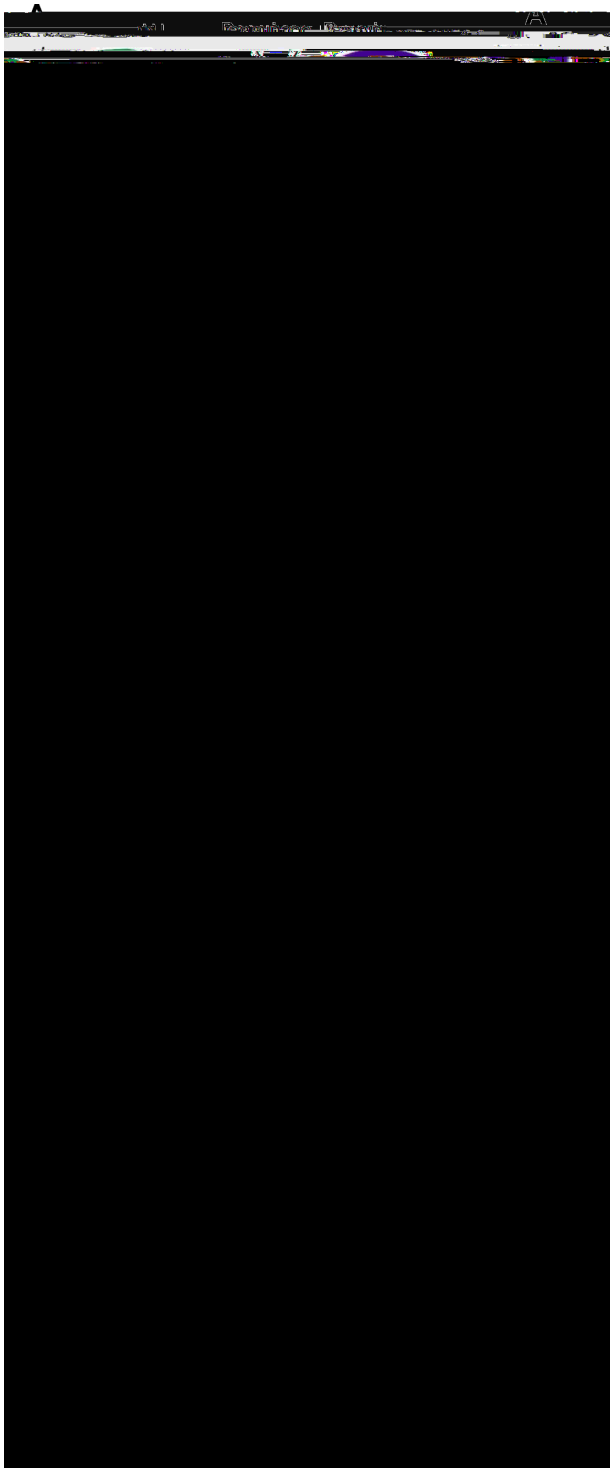

Figure 4. E488Q DD .
(**A**) S E488Q λN-DD 4λN-DD. (**B**) C -
HEK293 υ
SDRE. S = 12 μ . (**C**) Q -