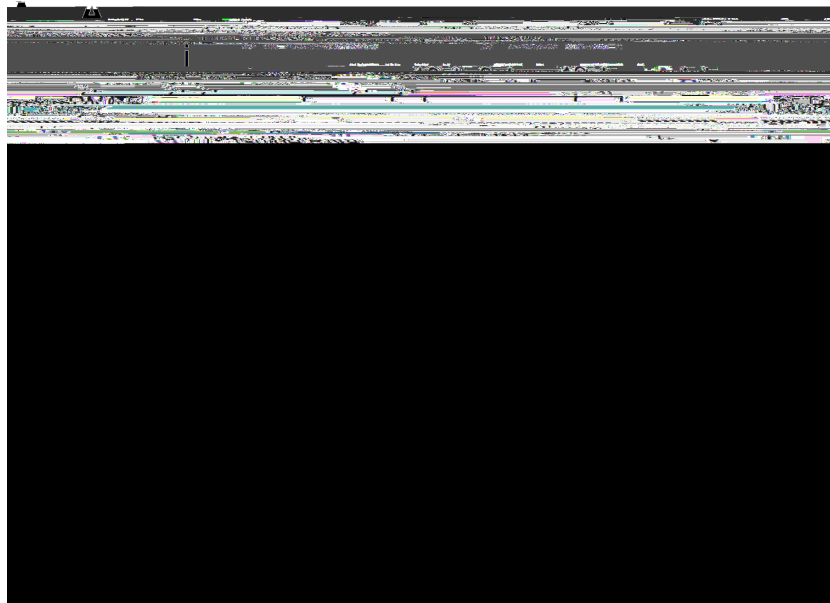




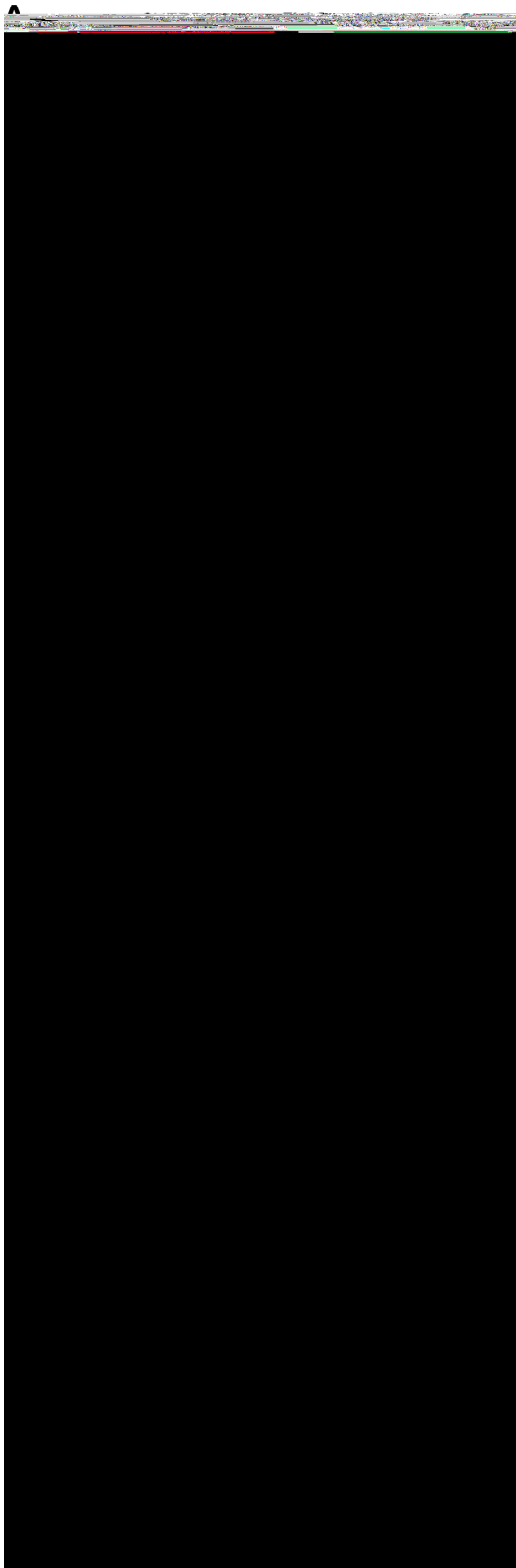
DD (10). RNA O DD  
B RNA (11,17 19). RNA λN  
N- DD ADAR2  
(λN-DD), B RNA  
A DD (11).  
RNA DD A  
SNAP- DD RNA  
(12 16). RNA DD  
A SNAP- DD  
RNA SNAP- DD  
SNAP- B  
SDRE.  
A SDRE.  
A<sup>2</sup>, in vitro, Xenopus  
11 16





**Figure 1.** P RNA A (A) E 19 in vitro 3' B RNA B (A) A RNA C S (SDRE. I) S3.E

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



↓ ↑

. I

u

**Figure 2.** F<sub>v</sub>

↓ ↑

↓ ↑

↓ ↑

↓ ↑

↓ ↑

↓ ↑

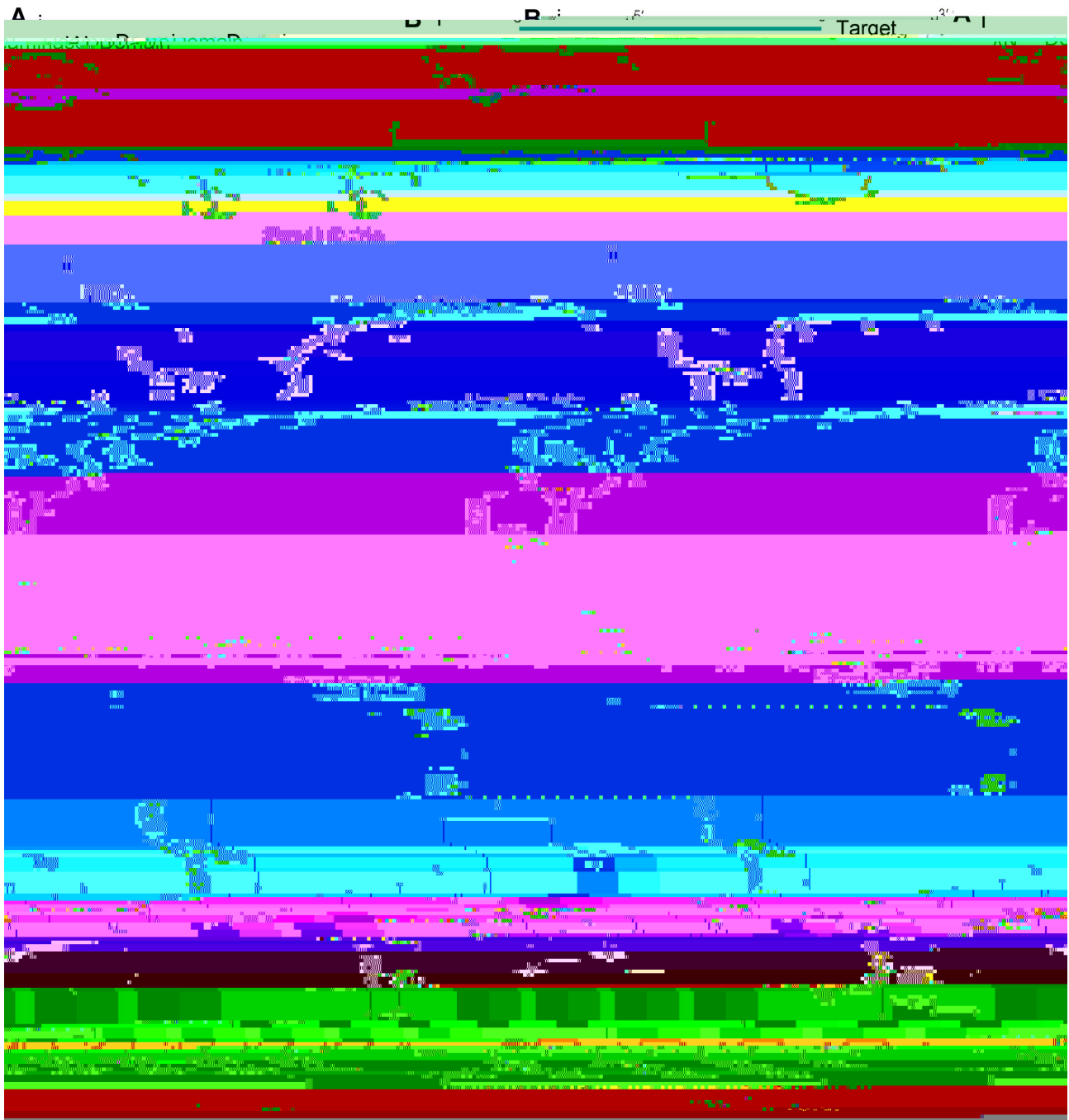
↓ ↑

(A) C -

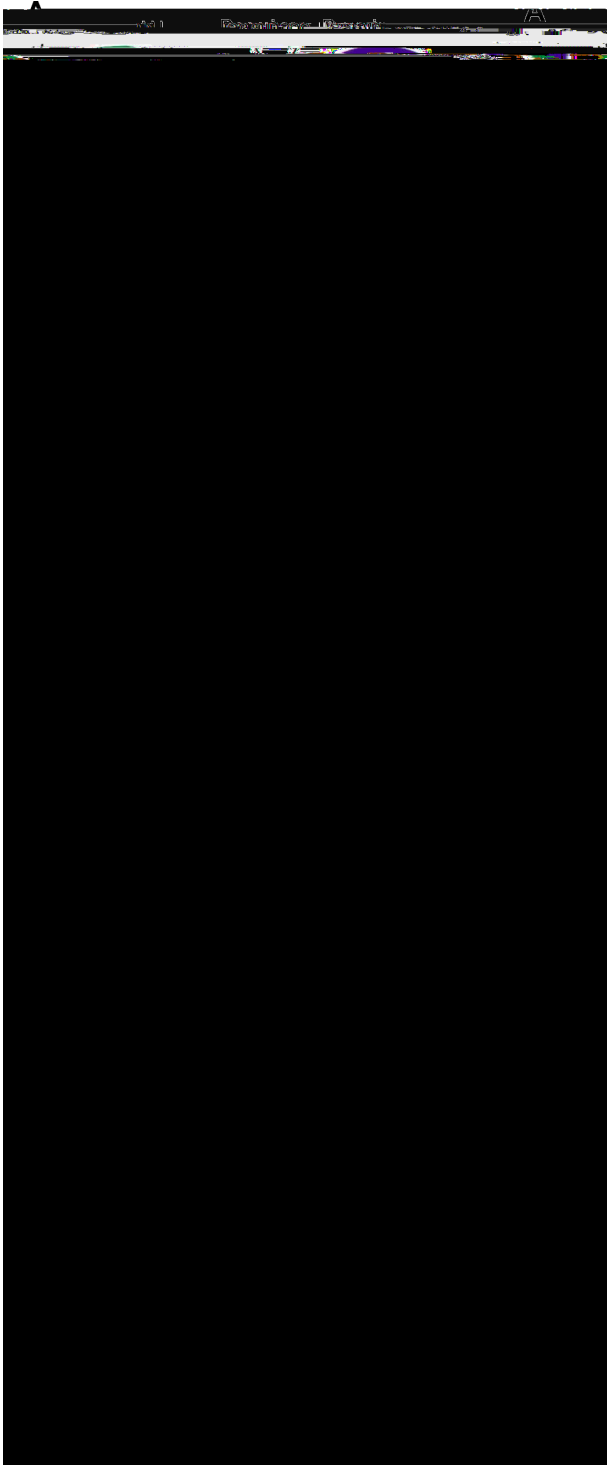
SDRE. ↓

### Multiple λN peptides improve RNA editing efficiency

↓ u SDRE, RNA. O  
λN: B (11).  
B. λN λN.  
λN λN-DD (F 3A)  
1λN-DD 2λN-DD<sub>u</sub>  
*Pichia pastoris* (11,22 24). ↓  
RNA *in vitro* (F 3A). ↓  
λ



**Figure 3.** I  $\lambda$ N-DD,  $2\lambda$ N-DD,  $\lambda$ N, B, u, (A) A, C, - GFP, 58, *in vitro*, N-,  $\lambda$ N', (A) R,  $\lambda$ N-DD,  $2\lambda$ N-DD, B RNA, R, E, 35°C, C, M, M, 1  $\lambda$ N, DD, HEK293T



**Figure 4.** E488Q HEK293T cells were transfected with the indicated plasmids and analyzed by SDS-PAGE and immunoblotting with anti-E488Q antibody. (A) Schematic of the E488Q protein structure. (B) Immunoblotting analysis of E488Q protein levels in HEK293T cells transfected with the indicated plasmids. (C) Immunoblotting analysis of E488Q protein levels in HEK293T cells transfected with the indicated plasmids. The molecular weight marker is 12 kDa.









