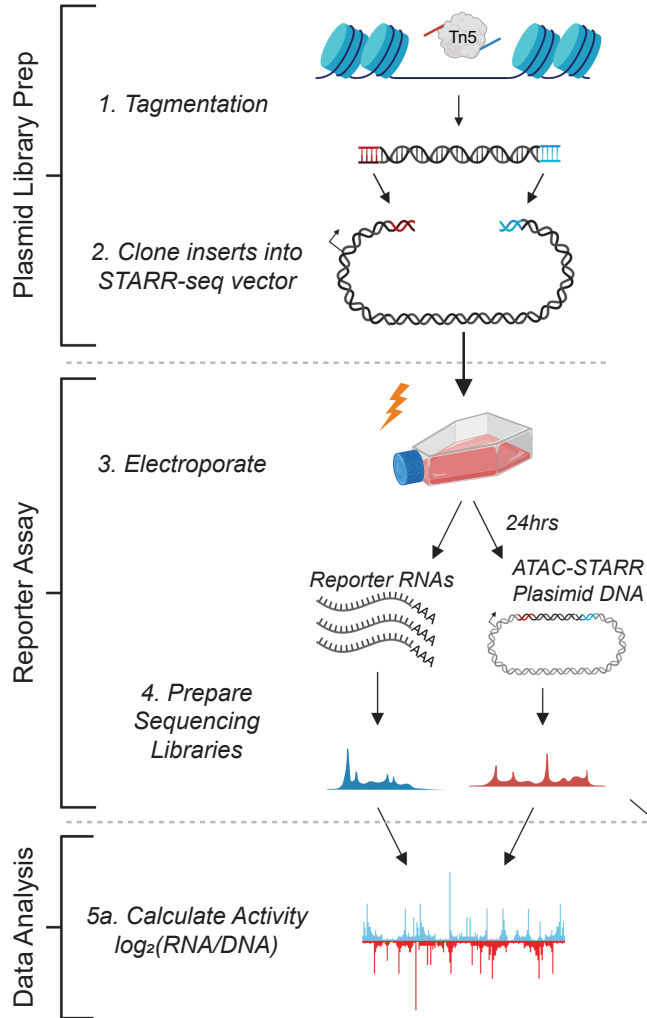


B

Experimental Design



1. Tagmentation

2. Clone inserts into STARR-seq vector

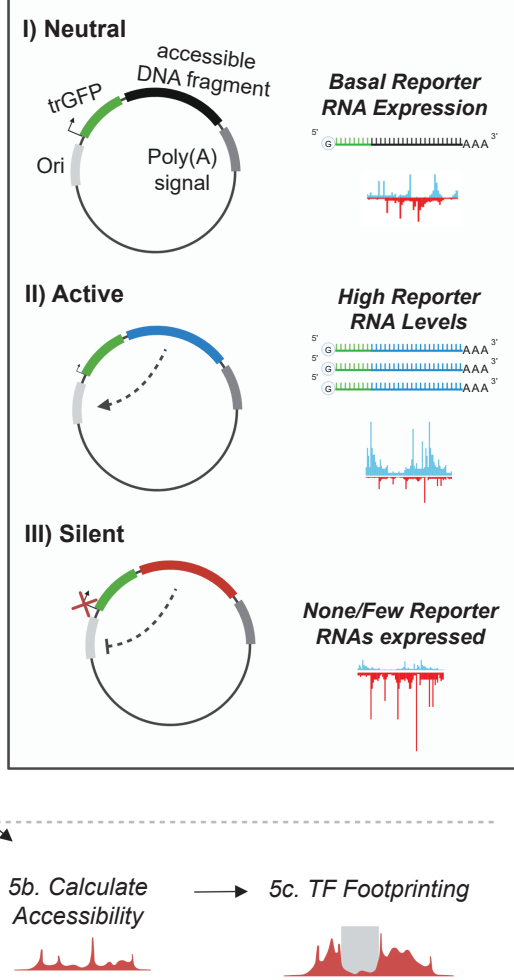
3. Electroporate

4. Prepare Sequencing Libraries

5a. Calculate Activity
 $\log_2(RNA/DNA)$

B

Plasmid Design & Expected Outcomes



I) Neutral

accessible
DNA fragment

Ori

Poly(A)
signal

Basal Reporter RNA Expression

II) Active

**High Reporter
RNA Levels**

III) Silent

**None/Few Reporter
RNAs expressed**

5b. Calculate Accessibility

5c. TF Footprinting