

Appendix

Widespread mono- and oligo-adenylation direct maturation versus degradation decisions during human small non-coding RNA biogenesis

Cody Ocheltree, Blake Skrable, Anastasia Pimentel, Timothy Nicholson-Shaw, Suzanne R. Lee and Jens Lykke-Andersen*

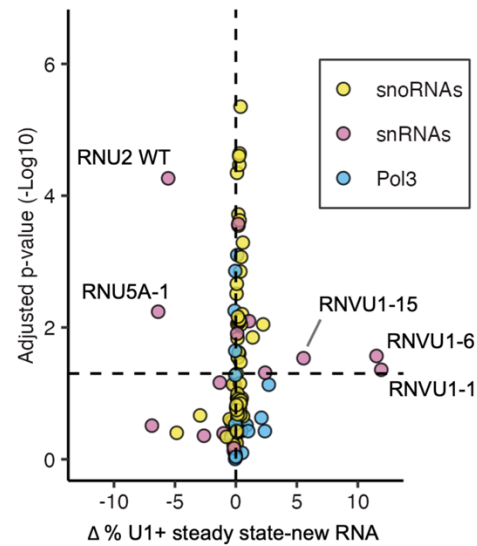
Correspondence authors: Jens Lykke-Andersen

Email: jlykkeandersen@ucsd.edu

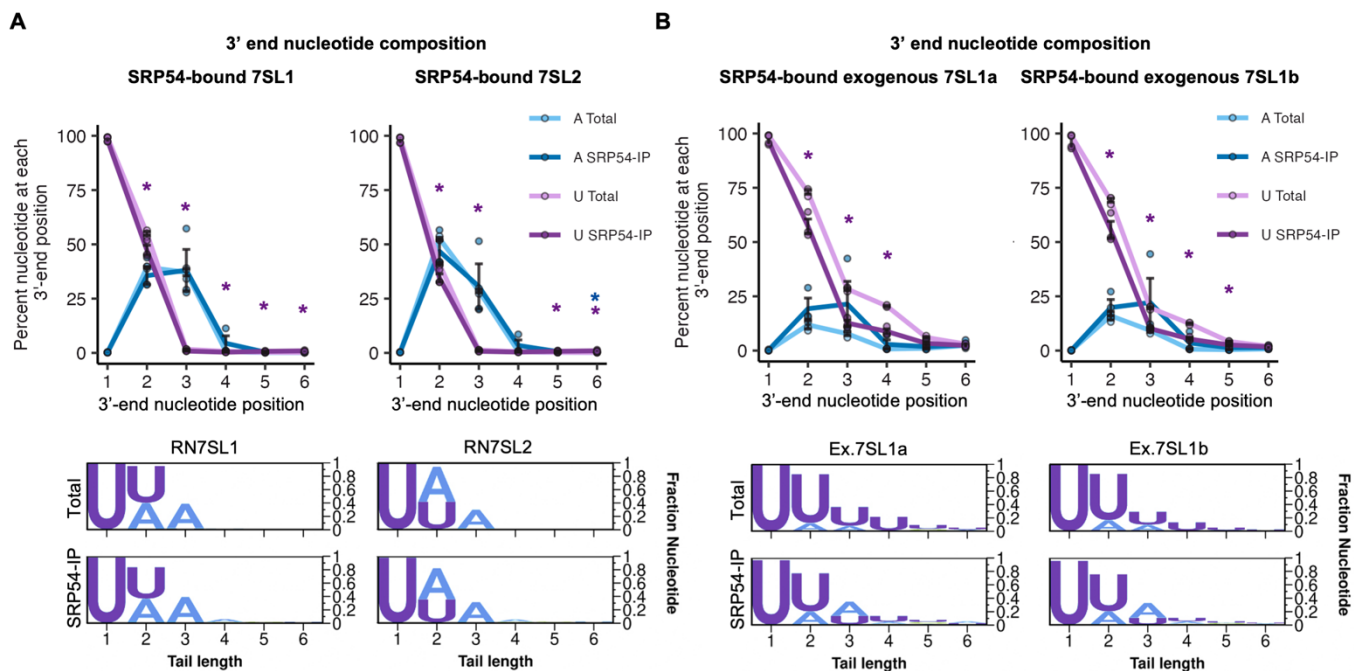
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sncRNA post-transcriptional U-tail dynamics



Appendix Figure S1: Change in newly transcribed and steady state sncRNA U tails. The difference in U-tails from steady state to newly transcribed conditions plotted against $-\text{Log}_{10}$ p-values (n=3 biological replicates for each condition). The horizontal dashed line represents $p=0.05$.



Appendix Figure S2: SRP54-associated 7SL RNAs are de-enriched for 3'-uridines. (A) 3' end nucleotide compositions of steady state versus SRP54-associated endogenous 7SL RNAs shown as line plots (top) and logo plots (bottom). Nucleotide positions are shown relative to the first nucleotide of the 7SL termination sequence, defined as position +1. Data is represented as mean +/- SEM and p-values between IP and input groups were determined by two-sample two-tailed t-tests, with $p < 0.05$ indicated by asterisks ($n = 3$ biological replicates for each condition). Purple lines and asterisks represent U-tails, and blue lines/asterisks represent A-tails. **(B)** Same analysis as panel A, but monitoring exogenous 7SL1 RNAs.