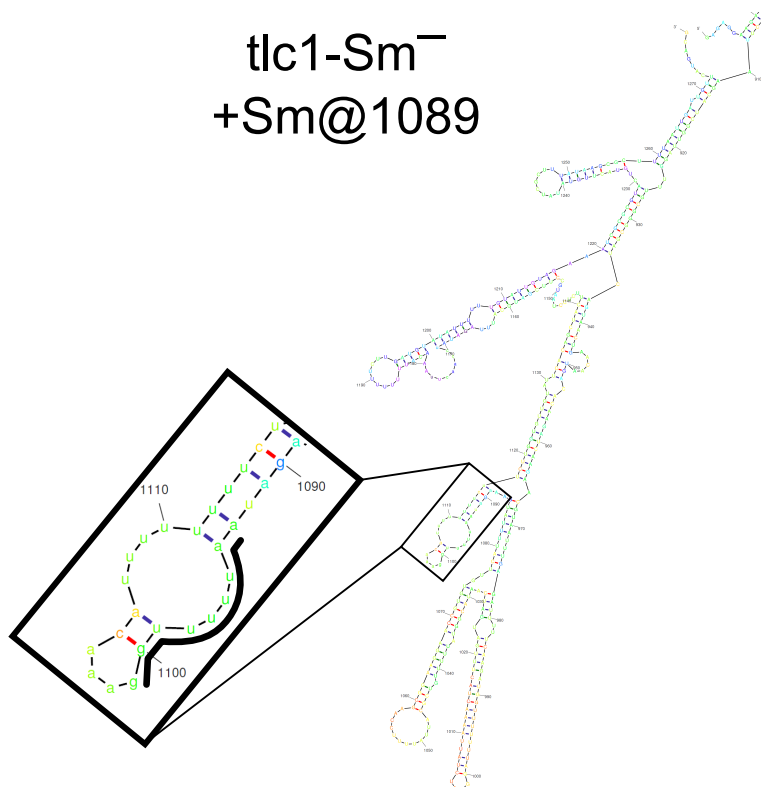
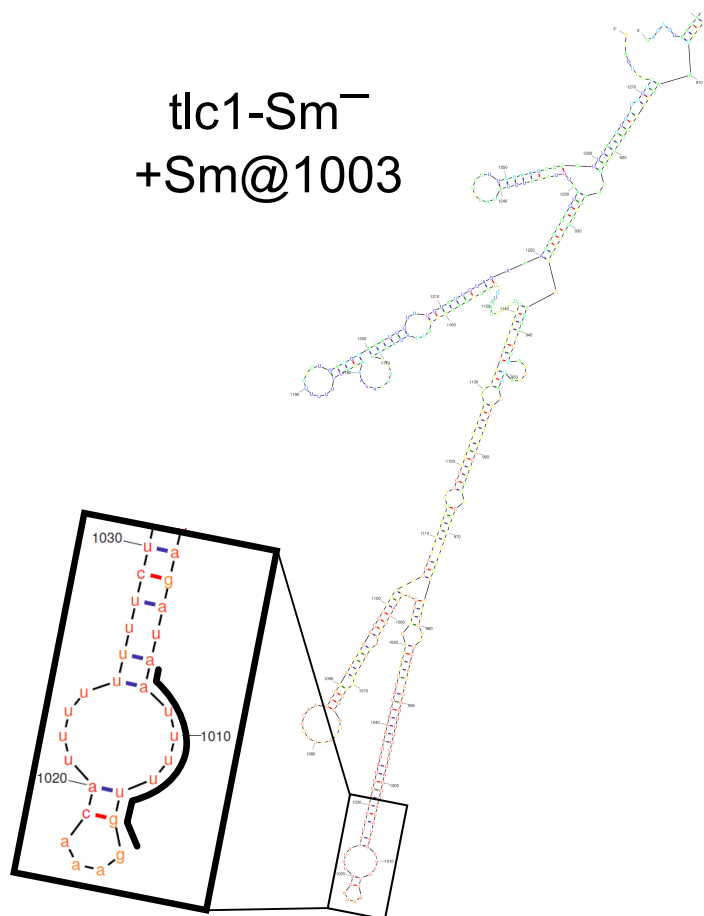


Figure S1. *Mfold* software prediction for the secondary structure of NNS-terminated TLC1 (nucleotides 1–1195). The structure is colored using the pnum preset on the *Mfold* RNA web server to reflect the determinedness (i.e., propensity of forming the shown structure) based on free-energy calculations, with redder colors indicating well determined structures and bluer colors indicating poorly determined structures [43]. The 3' end of the RNA structure is enlarged in the inset, and the Sm-binding consensus is outlined in black.

tlc1-Sm⁻
+Sm@1089



tlc1-Sm⁻
+Sm@1003



tlc1-Sm⁻
+Sm@926

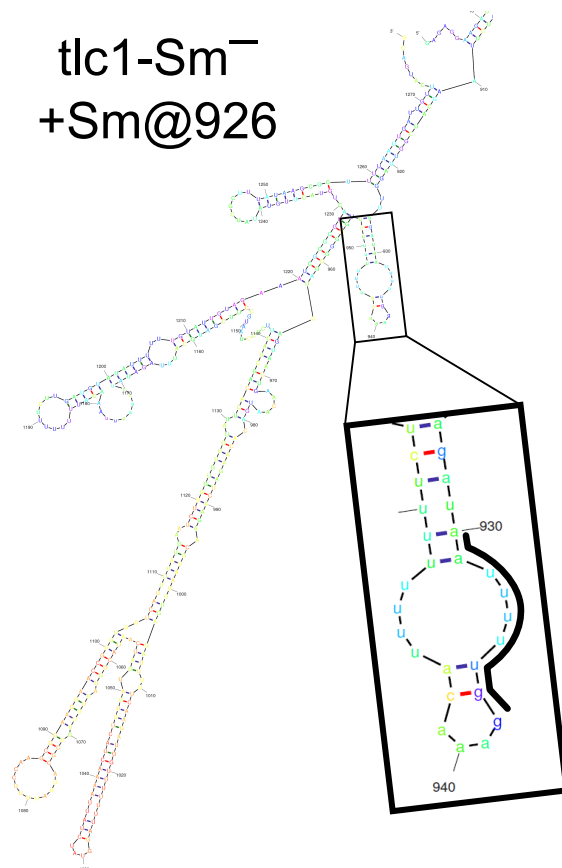


Figure S2. *Mfold* software predictions for the secondary structures of repositioned Sm-binding sites. Secondary structure predictions are shown for poly(A)+ TLC1 RNAs containing repositioned Sm binding sites. Bases are colored by pnum value to reflect determinedness as in Figure S1 [43], and only the distal portion of the terminal arm is shown in each *Mfold* for the sake of simplicity. Enlarged insets in each panel show the 28-nucleotide Sm site used in the repositioning experiments in Figure 3 with the Sm consensus outlined in black.

Table S1: List of plasmids used in this study

Plasmid name	Contents	Origin
pRS414	<i>pTRP1-CEN</i> vector	[47]
pSD107	<i>TLC1</i> in a <i>pTRP1-CEN</i> vector	[48]
pDZ481 (pAS501)	<i>tlc1-Sm⁻</i> in a pSD107 backbone	[5]
pDZ573	Tandem <i>TLC1-TLC1</i> fusion gene in a pSD107 backbone	This study
pDZ574	<i>TLC1-SmCP@211</i> in a pSD107 backbone	This study
pDZ575	<i>TLC1-SmCP@451</i> in a pSD107 backbone	This study
pDZ576	<i>TLC1-SmCP@1024</i> in a pSD107 backbone	This study
pDZ577	<i>TLC1-SmCP@546</i> in a pSD107 backbone	This study
pDZ578	<i>tlc1-Sm⁻CP@211</i> in a pSD107 backbone	This study
pDZ579	<i>tlc1-Sm⁻CP@451</i> in a pSD107 backbone	This study
pDZ580	<i>tlc1-Sm⁻CP@1024</i> in a pSD107 backbone	This study
pDZ581	<i>tlc1-Sm⁻CP@546</i> in a pSD107 backbone	This study
pDZ831	<i>tlc1-Sm⁻+Sm@1089</i> in a pSD107 backbone	This study
pDZ966	<i>tlc1-Sm⁻+Sm@926</i> in a pSD107 backbone	This study
pDZ967	<i>tlc1-Sm⁻+Sm@1003</i> in a pSD107 backbone	This study