

Description of Additional Supplementary Files

Supplementary Data 1 – The RNA scaffold sequences used to design each origami, the full RNA sequences used in folding, and their corresponding DNA template sequences.

Supplementary Data 2 – The DNA primer sequences used to amplify the DNA templates in Supplementary Data 1.

Supplementary Data 3 – The DNA staple sequences used to fold each origami object.

Supplementary Data 4 – For each A-form origami probed with DMS-MaPseq, the resultant DMS reactivity of each nucleotide in the scaffold sequence and the feature assignments.