Supplementary Fig. 1 Sequences and secondary structures of stem-loop IV and its sub-fragments used for the NMR studies. (A) Tet43-full (43 nucleotides). (B) Tet43-top (28 nucleotides). (C) Tet43-bot (31 nucleotides). Overlapped regions for the two fragments are identified by dashed green lines. For improving transcription efficiency, two G-C base pairs were added to tet43-top, and one G-C base pair was added to tet43-bot. The tet43-bot RNA is capped by an additional C-G base pair and a stable UUCG tetraloop. (D) Superposition of $^1$H-$^1$C HMQC spectra of the tet43-full (blue) with the smaller constructs tet43-top (red) and tet43-bot (cyan) (adenine C2-H2 only).