The plasticity of a structural motif in RNA: structural polymorphism of a kink turn as a function of its environment

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SUPPLEMENTARY INFORMATION

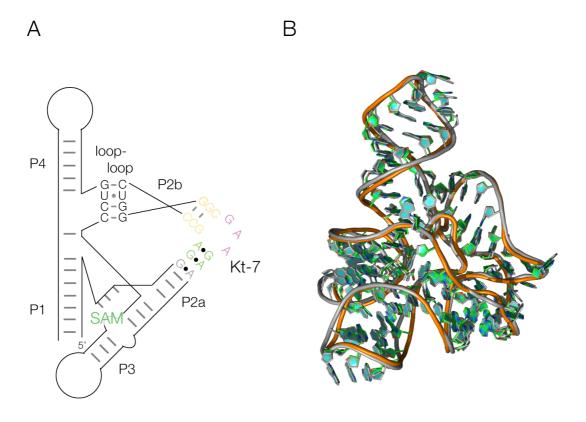


Figure S1. The crystal structure of the SAM-I riboswitch containing Kt-7.A. Schematic showing the secondary structure of the SAM-I riboswitch. The position and sequence of the Kt-7 is shown, and the SAM ligand is shown in green.B. Overlay of the SAM-I riboswitch containing Kt-7 (colored) superimposed with that of the unmodified riboswitch (grey).

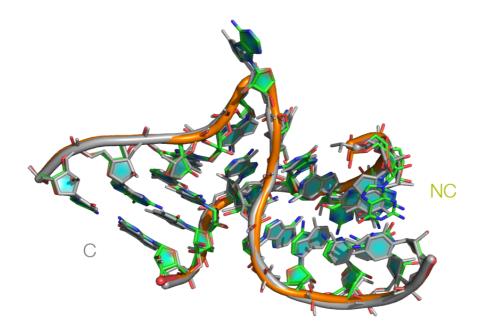
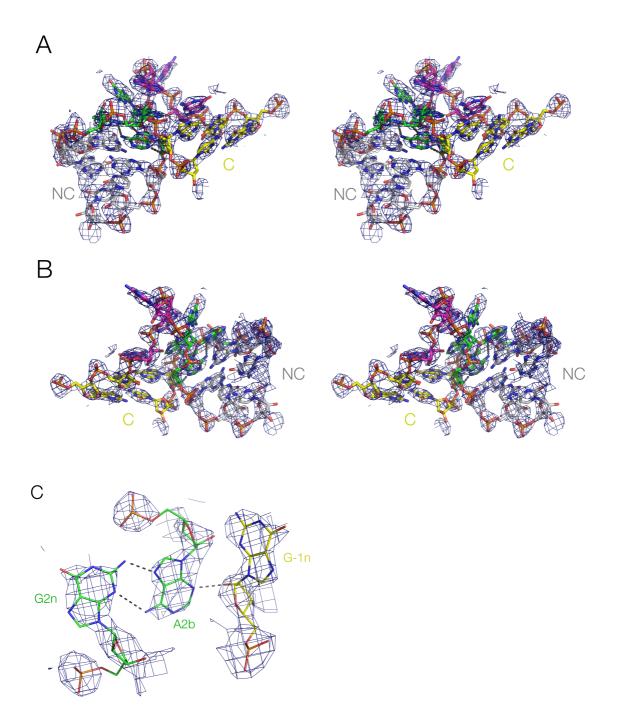
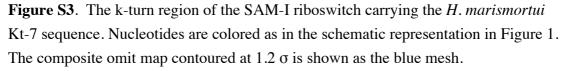


Figure S2. An overlay of the k-turn region of the SAM-I riboswitch carrying the *H*. *marismortui* Kt-7 sequence (colored) and that of the unmodified riboswitch (grey) PDB code 3GX5.





A, **B**. Parallel-eye stereoscopic views of the k-turn seen from the non-bulged strand and the bulged strand sides respectively.

C. A detail focussing on the G2n•A2b pair and the interaction with the O2' of G-1n.