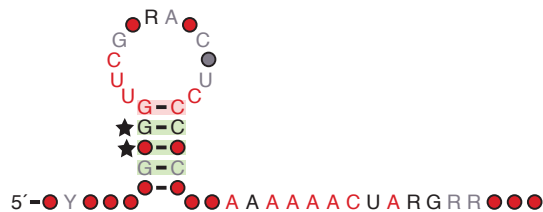
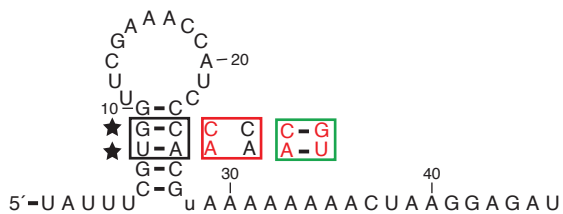


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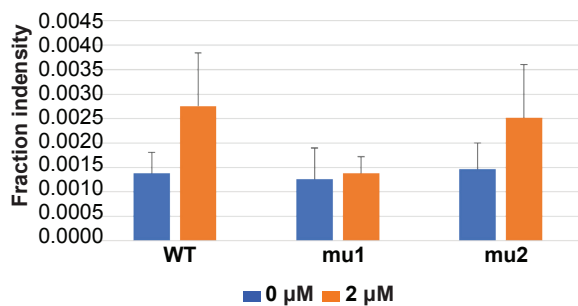


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C

PreQ1-I Riboswitch



B

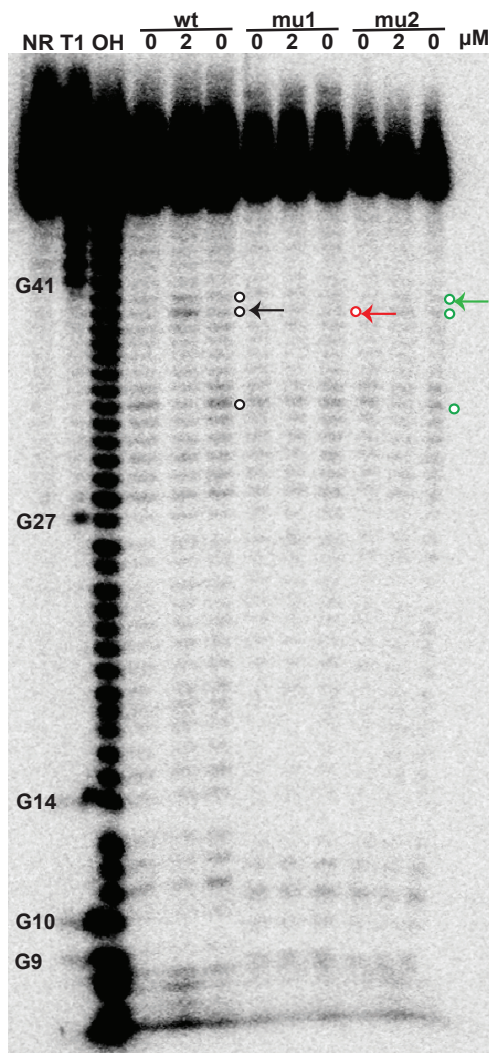


Figure S2. preQ1-I riboswitch. A) top: consensus structure of preQ1-I riboswitch; A) bottom: secondary structure of sequence from *Bacillus manliponensis* strain which was used to test with in-line probing. B) One of the in line probing result. Different color circles mark the difference between three constructs. Different color arrows mark the bands which used to be calculated in fig. s2C. C) show the normalized band intensity change for three different constructs with or without the ligand.