

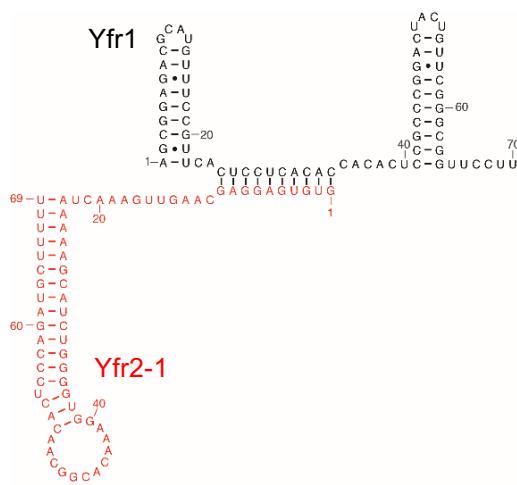
# Figure S4

A

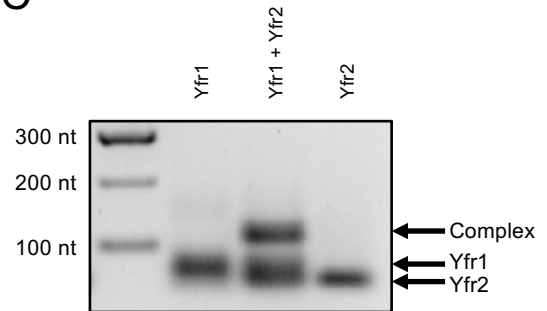
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Yfr2_1 --GUGUGAGGAGCAAGUUGAAACUAAAAAGCAUCUGGGGUGGAAACACGGCAACACUCCAGAUGC UUUUU----- 69
Yfr2_2 GUGUGUGAGGAGCAAGU UAAAAUAAAAAGCGUCUGGGGUGGAAACACGGCAACACUCCAGGCUCUUUU----- 71
Yfr2_3 GUGUGUGAGGAGCAAGU UAAAAUAAAAAGCGUCUGGGGUGGAAACACGGCAACACUCCAGGCUCUUUU----- 72
Yfr2_4 --GUGUGAGGAGCAAGUUGAAAUUA-AGAGCGCUUAGAGUGGAAACACGGU AACACUUCUGAGCGCUUUUUAAUUU 73
          ***** ** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
  
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B



C



**Figure S4. Interaction between Yfr1 and Yfr2.** (A) Clustal Omega alignment of the four Yfr2 RNAs encoded in the genome of *Nostoc* sp. PCC 7120. The region predicted to interact with Yfr1 is shaded in orange. (B) Secondary structures of Yfr1 (black) and Yfr2-1 (red) and their interaction as predicted by RNAfold. (C) EMSA showing the interaction between *in vitro* transcribed Yfr1 and Yfr2. Equimolar amounts of Yfr1 and Yfr2 were combined and subjected to electrophoresis as described in the Material and Methods.