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CONTENTS

(*continued*)

Cover Illustration: Manganese riboswitch from Xanthmonas oryzae *(PDB id: 6N2V; Suddala KC, Price IR, Dandpat SS, Janeček M, Kührová P, Šponer J, Banáš P, Ke A, Walter NG. 2019. Local-to-global signal transduction at the core of a Mn^{2+} sensing riboswitch.* Nat Commun ***10****: 4304). Bacterial manganese riboswitches control the expression of Mn^{2+} homeostasis genes. Using FRET, it was shown that an extended 4-way-junction samples transient docked states in the presence of Mg^{2+} but can only dock stably upon addition of submillimolar Mn^{2+}. RNA backbone is displayed as a red ribbon; block bases use NDB colors: A—red, C—yellow, G—green, U—cyan. Bound cations are shown as spheres: Mg^{2+}—orange, Mn^{2+}—purple, Sr^{2+}—yellow. Cover image provided by the Nucleic Acid Database (ndbserver.rutgers.edu). Image generated using DSSR and PyMOL (Lu XJ. 2020.* Nucleic Acids Res ***48****: e74).*

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