

Assignment of ^1H , ^{13}C , and ^{15}N resonances for SF2 RNA recognition motif 2

Aura M. Tintaru · Guillaume M. Hautbergue ·
Andrea M. Hounslow · Lu-Yun Lian ·
Stuart A. Wilson · C. Jeremy Craven

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SF2/ASF is a canonical serine and arginine (SR) rich splicing factor which is involved in constitutive and alternative splicing, mRNA export, stability and translation (Sanford et al. 2005). It consists of two RNA recognition motifs (RRM) linked to a C-terminal domain rich in arginine and serine. RRM1 contains the expected RNP-1 and RNP-2 motifs commonly found in this protein fold. In contrast, RRM2 lacks key aromatic residues within the RNP-1 and RNP-2 motifs which normally facilitate interaction with RNA. However, RRM2 binds RNA and contributes to RNA recognition and splice site selection by the full length protein.

Here we report the resonance assignments for RRM2 (amino acids 107–215), BMRB accession code 7301. These data provide the basis for a detailed analysis of the interaction between SF2 RRM2 and RNA.

Reference

Sanford JR, Ellis J, Caceres JF (2005) Multiple roles of arginine/serine-rich splicing factors in RNA processing. *Biochem Soc Trans* 33:443–446

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A. M. Tintaru · G. M. Hautbergue · A. M. Hounslow ·
S. A. Wilson (✉) · C. J. Craven (✉)
Department of Molecular Biology and Biotechnology,
University of Sheffield, Firth Court, Western Bank, S10 2TN
Sheffield, UK
e-mail: stuart.wilson@sheffield.ac.uk

C. J. Craven
e-mail: c.j.craven@sheffield.ac.uk

L.-Y. Lian
School of Biological Sciences, Biosciences Building,
University of Liverpool, P.O. Box 147,
L69 7ZB Liverpool, UK