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Letter to the Editor: New NMR Assignment

^{1}H, ^{13}C, and ^{15}N NMR assignment of the master Rep protein nuclease domain from the Nanovirus FBNYV

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Nanoviruses are plant viruses with multipartite circular ssDNA genomes that require the viral-encoded master Rep (M-Rep) protein for replication initiation and termination (Gronenborn, 2004). The nuclease activity of M-Rep resides on the N-terminal domain while the oligomerization region remains to be determined. As a first step to characterize these activities, two different polypeptides corresponding to residues 2–95 and 1–117 (preceded by a 21 aminoacids polyhistidine tag, Tag^{21}-M-Rep) of M-Rep (GenBank Y11405) of the nanovirus *Faba Bean Necrotic Yellows Virus* (FBNYV) were produced in U-^{15}N and U-(^{15}N,^{13}C) labelled form. The commonly used complete battery of 2-, 3-, and 4-D spectra (Campos-Olivas et al., 2002) were collected for M-$Rep^{2–95}$ and a subset of these for Tag^{21}-M-$Rep^{1–117}$ in order to transfer the assignment. Almost complete NMR assignment for each protein was obtained and is reported here. The BMRB access numbers are 7112 and 7218 for M-$Rep^{2–95}$ and Tag^{21}-M-$Rep^{1–117}$, respectively.

References: Gronenborn (2004) *Vet. Microbiol.* **98**, 103–109; Campos-Olivas et al. (2002) *J. Biomol. NMR*, **24**, 73–74.

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