

Letter to the Editor

Resonance assignments of the complex between TraN and the C-terminal domain of TraO from the conjugative plasmid pKM101

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Type IV secretion systems (T4SS) are sophisticated machines that deliver macromolecules across the cell envelope of Gram-negative bacteria and mediate conjugation (Christie *et al.*, 2005). T4SS in *E. coli* is comprised of 12 proteins termed VirB1-11 and VirD4. The C-terminal domain of VirB9 forms a stable complex with full length VirB7. Here we report the NMR resonance assignments of the complex between the homologues from the pKM101 T4SS system for VirB7 (TraN) and the C-terminal domain of VirB9 (TraO). 2D/3D NMR experiments were used to obtain near complete sequence specific backbone resonance assignments of uniformly ^{13}C , ^{15}N -labelled TraN/unlabelled TraO or ^{13}C , ^{15}N -labelled TraO/unlabelled TraN. 100% of TraN and over 97% of TraO aliphatic side chain resonances were assigned. BMRB deposit: accession number 6936.

Reference: Christie *et al.* (2005) *Annu. Rev. Microbiol.*, **59**, 451–485.

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