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Supporting information for article:

The structure of MP-4 from *Mucuna pruriens* at 2.22 Å resolution

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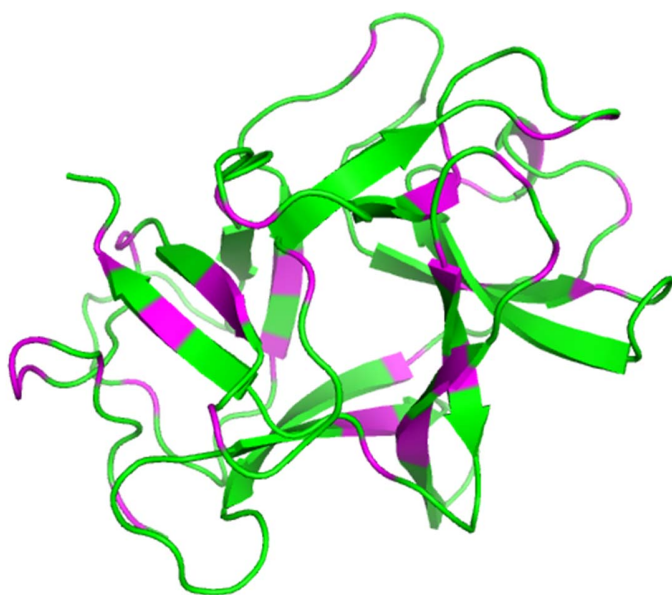


Figure S1 MP-4 structure in green showing the position of consensus residues in magenta over the cartoon representation of the deposited structure (6JBP). Consensus residues are mainly present in the loop regions. About 35% of the consensus residues are located in the β -sheets mainly stabilizing the secondary structure as evident.

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      1      10      20      30      40      50      60
A0A371E4L6 MKAVLLLTLSFLFASLTNFPPLAFSKDDAEPVIDTDGNPLHRGGKYYIMPSIWGPPGGGLR
6jbp      .....AEPVIDTDGNPLHRGGKYYIMPSIWGPPGGGLR

      70      80      90      100      110      120
A0A371E4L6 LGKTENLNCPVTVLQDYSEVINGLPVEFNIRGILPRTIFTDTELNIEFTEKPNCAENSRW
6jbp      LGKTENLNCPVTVLQDYSEVINGLPVEFNIRGILPRTIFTDTELNIEFTEKPNCAENSRW

      130      140      150      160      170      180
A0A371E4L6 SLFEDDKIHKAYVVGIGDSEDHPDQEMLSGSFYIKKHGLRNNTYKLVFCRDGSSTCSDIGR
6jbp      SLFEDDKIHKAYVVGIGDSEDHPDQEMLSGSFYIKKHGLRNNTYKLVFCRDGSSTCSDIGR

      190      200      210
A0A371E4L6 YDNNEDGRRLILTQDLPYEVVFNASNRDATIKSVV
6jbp      YDNNEDGRRLILTA DLPYEVVFNAS.....

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Figure S2 Sequence alignment of 6JBP with uniprot genome sequence A0A371E416 for MP-4.