**Supplementary Files**

**Molprobity and proQ Results for 1CF3**

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**Molprobity and proQ for 5NIT**

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**Molprobity and proQ for GOD\_IPBCC\_1CF3**

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**Molprobity and proQ for GOD\_IPBCC\_5NIT**

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**Pfam domain architecture search within the sequences of GOD\_IPBCC\_1CF3**

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