Analyses performed for DAOP well-defined residues.

Procheck analysis, RMSD calculation and structure superimposition are based on DAOP with S(phi)+S(psi)>=1.8:5A-14A, 17A-23A, 25A-27A,30A-107A

NESG ID: NAME

PDB ID:

Deposition date:

Common Name:

Class:

Length (a.a.): 108

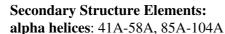
Organism: SwissProt / **TrEMBL ID:**

models: 5

Oligomerization: monomer

Molecular

12037 weight:



beta strands: 31A-37A, 75A-81A, 63A-66A

FIDs deposited in the BMRB? no

Comparison of core atoms:

DAOP > 1.8 Å: A:6..A:7, A:9..A:14, A:18..A:23, A:25..A:27, A:30..A:107

FindCore2: A:26..A:108**Selected

CYRANGE: 3..23, 30..95

Selected residues³ **RMSD** All residues Ordered residues²

9.0 Å 8.1 Å 8.1 Å All backbone atoms 8.4 Å All heavy atoms 8.9 Å 8.4 Å

Ramachandran Plot Summary for selected residues³ from Procheck

Most favoured Additionally allowed regions Generously allowed regions Disallowed regions regions

84.9% 15.1% 0.0% 0.0%

Ramachandran Plot Summary for selected residues³ from Richardson Lab's Molprobity

Most favoured regions Allowed regions Disallowed regions View plot View model summary

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8.6%

0.6%

Global quality scores

Program	Verify3D	ProsaII (-ve)	Procheck (phi-psi) ³	Procheck (all) ³	MolProbity Clashscore
Raw score	0.11	N/A	-0.22	-0.10	0.00
Z-score ¹	-5.62	N/A	-0.55	-0.59	1.53

Close Contacts and Deviations from Ideal Geometry (from PDB validation software)

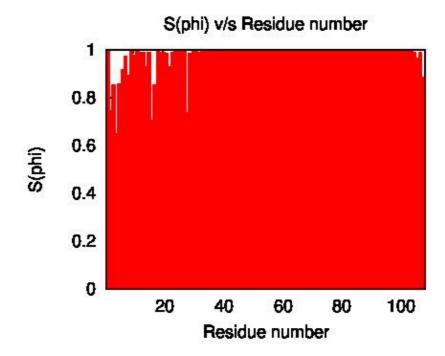
Number of close contacts (within 1.6 & Aring for H atoms, 2.2 & Aring for heavy atoms): 0

RMS deviation for bond angles: 1.9°

RMS deviation for bond lengths:

0.012~Å

³ Selected residues DAOP with S(phi)+S(psi)>=1.8:5A-14A, 17A-23A, 25A-27A, 30A-107A



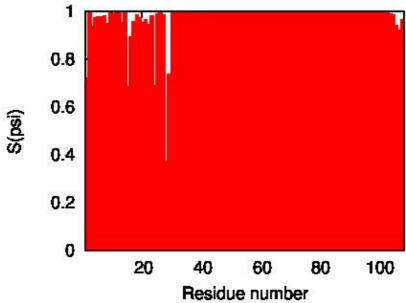
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 $^{^{1}}$ With respect to mean and standard deviation for a set of 252 X-ray structures < 500 residues, of resolution <= 1.80 Å, R-factor <= 0.25 and R-free <= 0.28; a positive value indicates a 'better' score

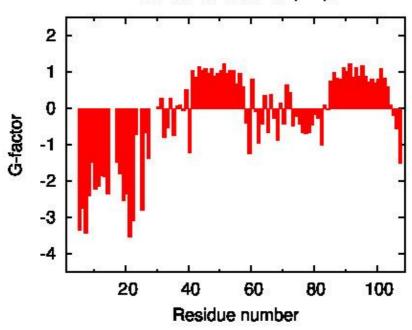
² Ordered residues (DAOP): 5A-14A, 17A-23A, 25A-27A, 30A-107A







Procheck G-factor for phi-psi

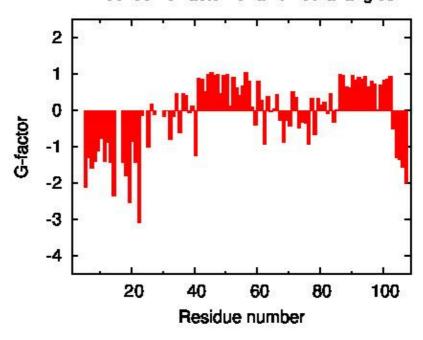


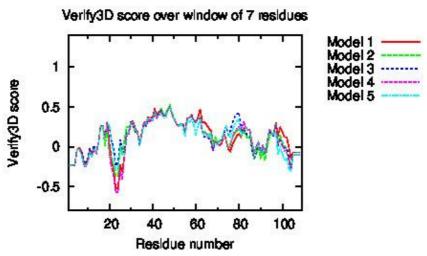
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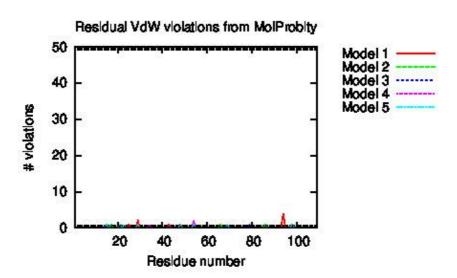




Procheck G-factor for all dihedral angles

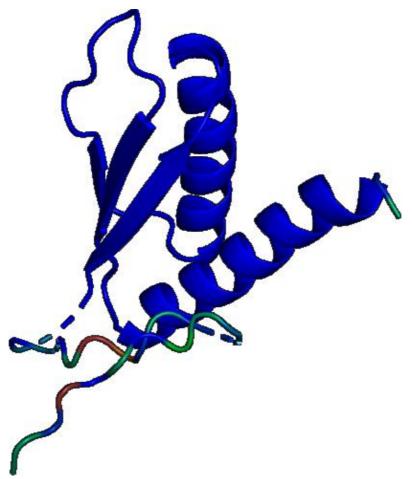






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Residue Plot of Ramachandran anlysis(based on data from Richardson Lab's Molprobity)

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Protein Structure Validation Suite (PSVS)



Software Environment

Software for structure quality evaluation:

DSSP DsspCMBI-April-2000 PdbStat-5.20.8 Version pdbstat

AutoAssign Version 2.4.0 (uses only AVS scripts)
RPF analysis ASDP-2.3

PDB validation Version 8.061

Verify3D Version 1.0 corrected by Aneerban

ProsaII Prosa2003 PROCHECK Version 3.5.4

MolProbity programs:

cluster 1999

clashlistcluster 1999 (corrected by Aneerban)

Version 6.35.040409 prekin Version 6.35.040406

Version 2.14 reduce Version 2.6 probe

Other Software:

PERL Version 5.16.3 convert ImageMagick 6.7.8 ps2pdf Ghostscript 9.25

v1.8.28 htmldoc

Version 4.6.2 gnuplot

netpbm-progs 10.79.00 jpegtopnm netpbm-progs 10.79.00 pnmcrop netpbm-progs 10.79.00 pnmtojpeg

Information updated on October, 2021. RTT

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