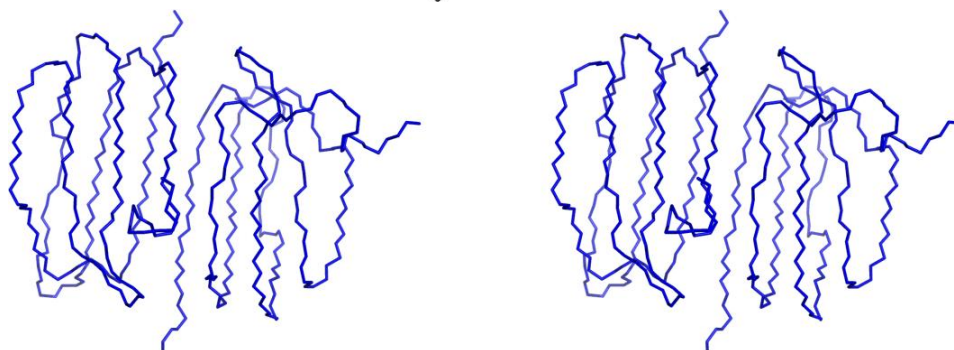




Structure Quality Analysis for NAME

Procheck analysis, RMSD calculation and structure superimposition are based on: all residues

NESG ID: NAME
PDB ID:
Deposition date:
Common Name:
Class:
Length (a.a.): 134
Organism:
SwissProt /
TrEMBL ID:
Oligomerization: dimer
Molecular weight: 14917



Secondary Structure Elements:

Inter-chain break(s) between 90 & 101

alpha helices:

beta strands: 24N-28N, 69N-81N, 49Y-64Y, 41U-46U, 31L-38L, 24N-28N, 69N-81N, 49Y-64Y, 41U-46U, 33S-38S

Resolution: 1.988 Å R-factor: 0.197 R-free: 0.233

Structure Factors deposited in the PDB? no

Ramachandran Plot Summary from Procheck

<i>Most favoured regions</i>	<i>Additionally allowed regions</i>	<i>Generously allowed regions</i>	<i>Disallowed regions</i>
91.2%	8.8%	0.0%	0.0%

Ramachandran Plot Summary from Richardson Lab's Molprobit

<i>Most favoured regions</i>	<i>Allowed regions</i>	<i>Disallowed regions</i>	View plot	View model summary
98.5%	1.5%	0%		

Global quality scores



Structure Quality Analysis for NAME

Program	<i>Verify3D</i>	<i>ProsaII</i> (-ve)	<i>Procheck</i> (phi-psi)	<i>Procheck</i> (all)	<i>MolProbity</i> Clashscore
-Raw score	0.41	0.44	-0.46	-0.24	10.91
Z-score ¹	-0.80	-0.87	-1.49	-1.42	-0.35

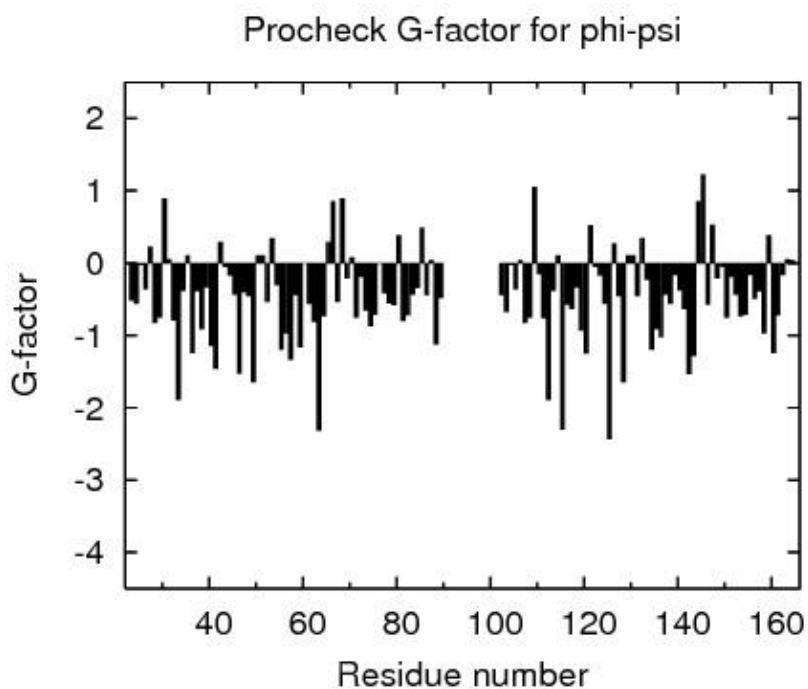
Close Contacts and Deviations from Ideal Geometry (from PDB validation software)

Number of close contacts (within 2.2 Å): 0

RMS deviation for bond angles: 1.5 °

RMS deviation for bond lengths: 0.008 Å

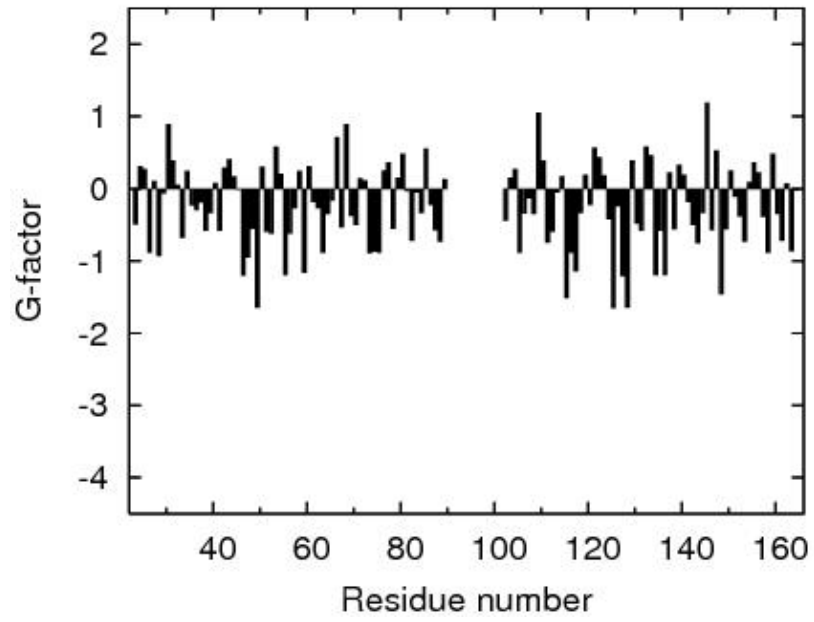
¹ With respect to mean and standard deviation for a set of 252 X-ray structures < 500 residues, of resolution ≤ 1.80 Å, R-factor ≤ 0.25 and R-free ≤ 0.28; a positive value indicates a 'better' score



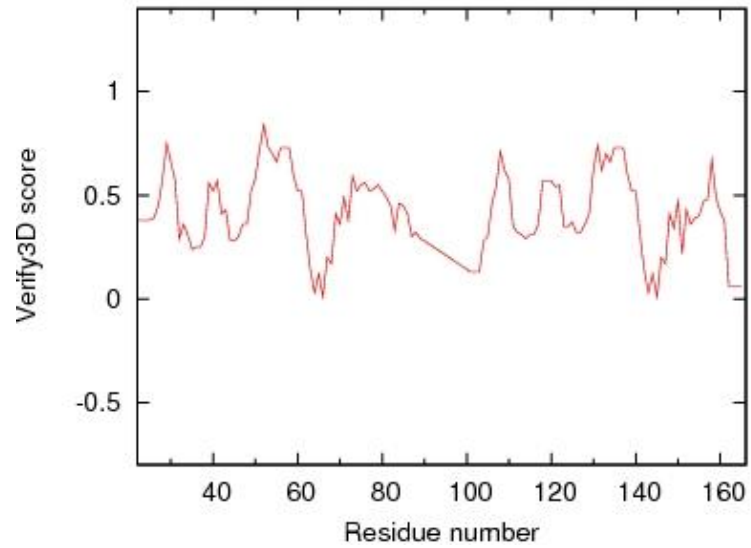


Structure Quality Analysis for NAME

Procheck G-factor for all dihedral angles

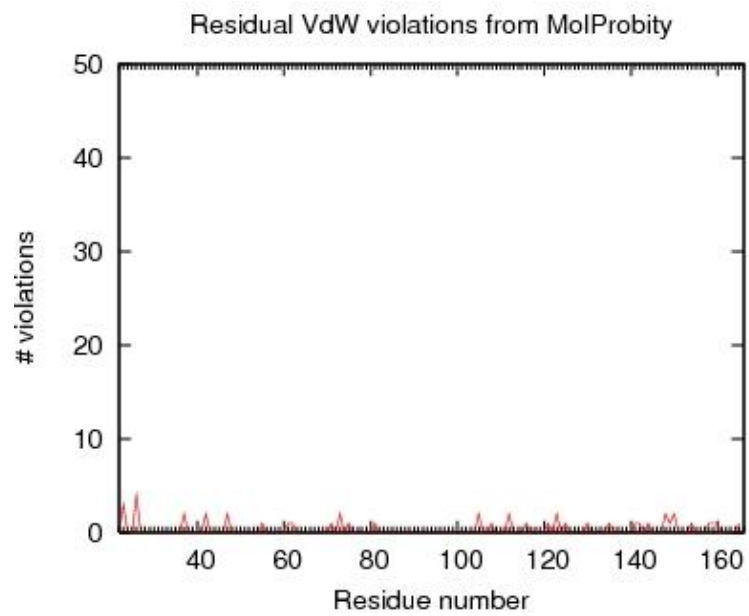
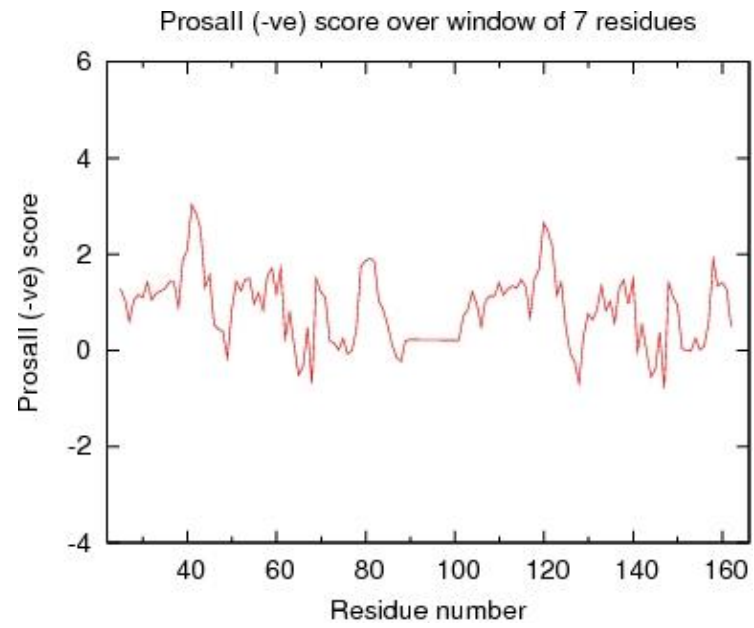


Verify3D score over window of 7 residues





Structure Quality Analysis for NAME





Residue Plot of Ramachandran analysis(based on data from Richardson Lab's Molprobit)

References:

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Analysed by on May-10-2013 using PSVS 1.3



Software Environment

Software for structure quality evaluation:

DSSP	DsspCMBI-April-2000
pdbstat	PdbStat-5.4 Version
AutoAssign	Version 2.4.0 (uses only AVS scripts)
RPF analysis	ASDP-1.0
PDB validation	Version 8.061
Verify3D	Version 1.0 corrected by Aneerban
ProsaII	Prosa2003
PROCHECK	Version 3.5.4



MolMol

Version 2K.2

MolProbit programs:

cluster	1999
clashlistcluster	1999 (corrected by Aneerban)
mage	Version 6.35.040409
prekin	Version 6.35.040406
reduce	Version 2.14
probe	Version 2.6

Other Software:

PERL	Version 5.8.0
convert	ImageMagick 5.5.6
ps2pdf	Ghostscript 7.05
htmldoc	v1.9
gnuplot	Version 3.7 patchlevel 3
jpegtopnm	year 2000
pnmcrop	year 2000
pnmtojpeg	year 2000