
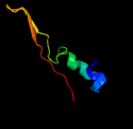


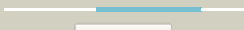




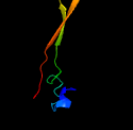
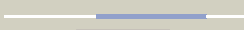


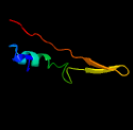










Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3654c (-) _4094839_4095162
Date	Fri Aug 9 18:20:34 BST 2019
Unique Job ID	449997cae16b30d2

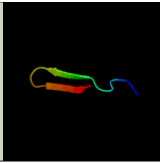
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6hr8C_	 Alignment		48.8	17	PDB header: oxidoreductase Chain: C: PDB Molecule: hmg-coa reductase; PDBTitle: hmg-coa reductase from methanothermococcus thermolithotrophicus in2 complex with nadph at 2.9 a resolution
2	d1hw8c2	 Alignment		40.0	11	Fold: Substrate-binding domain of HMG-CoA reductase Superfamily: Substrate-binding domain of HMG-CoA reductase Family: Substrate-binding domain of HMG-CoA reductase
3	c1qaxA_	 Alignment		34.2	17	PDB header: oxidoreductase Chain: A: PDB Molecule: protein (3-hydroxy-3-methylglutaryl-coenzyme a reductase); PDBTitle: ternary complex of pseudomonas mevalonii hmg-coa reductase with hmg-2 coa and nad+
4	c3cd0B_	 Alignment		34.1	11	PDB header: oxidoreductase Chain: B: PDB Molecule: 3-hydroxy-3-methylglutaryl-coenzyme a reductase; PDBTitle: thermodynamic and structure guided design of statin hmg-coa reductase2 inhibitors
5	d1dqaa4	 Alignment		26.7	11	Fold: Substrate-binding domain of HMG-CoA reductase Superfamily: Substrate-binding domain of HMG-CoA reductase Family: Substrate-binding domain of HMG-CoA reductase
6	d1r31a2	 Alignment		25.1	18	Fold: Substrate-binding domain of HMG-CoA reductase Superfamily: Substrate-binding domain of HMG-CoA reductase Family: Substrate-binding domain of HMG-CoA reductase
7	c3qauA_	 Alignment		19.1	16	PDB header: oxidoreductase Chain: A: PDB Molecule: 3-hydroxy-3-methylglutaryl-coenzyme a reductase; PDBTitle: 3-hydroxy-3-methylglutaryl-coenzyme a reductase from streptococcus2 pneumoniae
8	c1hwjB_	 Alignment		18.3	11	PDB header: oxidoreductase Chain: B: PDB Molecule: hmg-coa reductase; PDBTitle: complex of the catalytic portion of human hmg-coa reductase2 with cerivastatin
9	c2djmA_	 Alignment		16.6	12	PDB header: sugar binding protein Chain: A: PDB Molecule: glucoamylase a; PDBTitle: solution structure of n-terminal starch-binding domain of2 glucoamylase from rhizopus oryzae
10	d1hw8a2	 Alignment		11.2	11	Fold: Substrate-binding domain of HMG-CoA reductase Superfamily: Substrate-binding domain of HMG-CoA reductase Family: Substrate-binding domain of HMG-CoA reductase
11	c1r7iB_	 Alignment		10.5	10	PDB header: oxidoreductase Chain: B: PDB Molecule: 3-hydroxy-3-methylglutaryl-coenzyme a reductase; PDBTitle: hmg-coa reductase from p. mevalonii, native structure at 2.2 angstroms2 resolution.

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[d2ifra1](#)

Alignment



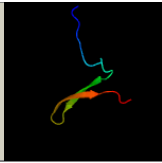
7.9

17

Fold:Concanavalin A-like lectins/glucanases
Superfamily:Concanavalin A-like lectins/glucanases
Family:Peptidase A4

13 [c4kp4B](#)

Alignment



7.7

6

PDB header:transferase/signaling protein
Chain: B: **PDB Molecule:**osmolarity sensor protein envz, histidine kinase;
PDBTitle: deciphering cis-trans directionality and visualizing2 autophosphorylation in histidine kinases.