















Phyre2

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Description	P64453
Date	Wed Jan 25 15:20:59 GMT 2012
Unique Job ID	768c7dda5cc92b67

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2p7tc1	 Alignment		22.5	31	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels
2	d1kzfa_	 Alignment		14.9	63	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: Autoinducer synthetase
3	c1iflA_	 Alignment		11.6	31	PDB header: virus Chain: A: PDB Molecule: inovirus; PDBTitle: molecular models and structural comparisons of native and2 mutant class i filamentous bacteriophages ff (fd, f1, m13),3 if1 and ike
4	c3b8eB_	 Alignment		9.6	30	PDB header: hydrolase/transport protein Chain: B: PDB Molecule: sodium/potassium-transporting atpase subunit PDBTitle: crystal structure of the sodium-potassium pump
5	c2y69X_	 Alignment		9.5	36	PDB header: electron transport Chain: X: PDB Molecule: cytochrome c oxidase polypeptide 7b; PDBTitle: bovine heart cytochrome c oxidase re-refined with molecular2 oxygen
6	d1v54k_	 Alignment		9.5	36	Fold: Single transmembrane helix Superfamily: Mitochondrial cytochrome c oxidase subunit VIIb Family: Mitochondrial cytochrome c oxidase subunit VIIb
7	d1tubb1	 Alignment		7.3	35	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain

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[c3ixzB_](#)

Alignment



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PDB header:hydrolase
Chain: B: **PDB Molecule:**potassium-transporting atpase subunit beta;
PDBTitle: pig gastric h+/k+-atpase complexed with aluminium fluoride