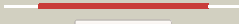



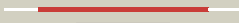


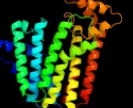











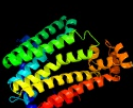




Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0989c_(grcC2)_1106409_1107386
Date	Wed Jul 31 22:05:05 BST 2019
Unique Job ID	a98dad40f22cb6bc

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1wy0A_	 Alignment		100.0	28	PDB header: transferase Chain: A: PDB Molecule: geranylgeranyl pyrophosphate synthetase; PDBTitle: crystal structure of geranylgeranyl pyrophosphate synthetase from2 pyrococcus horikoshii ot3
2	c3mzvB_	 Alignment		100.0	28	PDB header: transferase Chain: B: PDB Molecule: decaprenyl diphosphate synthase; PDBTitle: crystal structure of a decaprenyl diphosphate synthase from2 rhodobacter capsulatus
3	c3oyrB_	 Alignment		100.0	27	PDB header: transferase Chain: B: PDB Molecule: trans-isoprenyl diphosphate synthase; PDBTitle: crystal structure of polyprenyl synthase from caulobacter crescentus2 cb15 complexed with calcium and isoprenyl diphosphate
4	c5h9dB_	 Alignment		100.0	28	PDB header: transferase Chain: B: PDB Molecule: farnesyl pyrophosphate synthetase; PDBTitle: crystal structure of heptaprenyl diphosphate synthase from2 staphylococcus aureus
5	c3aqbD_	 Alignment		100.0	24	PDB header: transferase Chain: D: PDB Molecule: component b of hexaprenyl diphosphate synthase; PDBTitle: m. luteus b-p 26 heterodimeric hexaprenyl diphosphate synthase in2 complex with magnesium
6	c3wjnA_	 Alignment		100.0	28	PDB header: transferase Chain: A: PDB Molecule: octaprenyl diphosphate synthase; PDBTitle: crystal structure of octaprenyl pyrophosphate synthase from2 escherichia coli with farnesyl s-thiol-pyrophosphate (fspp)
7	c3nf2A_	 Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: putative polyprenyl synthetase; PDBTitle: crystal structure of polyprenyl synthetase from streptomyces2 coelicolor a3(2)
8	c5jfqB_	 Alignment		100.0	28	PDB header: oxidoreductase Chain: B: PDB Molecule: geranylgeranyl pyrophosphate synthetase; PDBTitle: geranylgeranyl pyrophosphate synthetase from archaeon geoglobus2 acetivorans
9	c4lobA_	 Alignment		100.0	28	PDB header: transferase Chain: A: PDB Molecule: polyprenyl synthetase; PDBTitle: crystal structure of polyprenyl diphosphate synthase a1s_2732 (target2 efi-509223) from acinetobacter baumannii
10	c3lmdA_	 Alignment		100.0	46	PDB header: transferase Chain: A: PDB Molecule: geranylgeranyl pyrophosphate synthase; PDBTitle: crystal structure of geranylgeranyl pyrophosphate synthase from2 corynebacterium glutamicum atcc 13032
11	c1wmwA_	 Alignment		100.0	24	PDB header: transferase Chain: A: PDB Molecule: geranylgeranyl diphosphate synthetase; PDBTitle: crystal structure of geranylgeranyl diphosphate synthase from thermus2 thermophilus

12	c4hdhA_	Alignment		100.0	25	PDB header: transferase Chain: A: PDB Molecule: polyprenyl synthetase; PDBTitle: crystal structure of isoprenoid synthase a3msh1 (target efi-501992)2 from pyrobaculum calidifontis
13	c3n3dB_	Alignment		100.0	25	PDB header: transferase Chain: B: PDB Molecule: geranylgeranyl pyrophosphate synthase; PDBTitle: crystal structure of geranylgeranyl pyrophosphate synthase from2 lactobacillus brevis atcc 367
14	d1fpsa_	Alignment		100.0	18	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Isoprenyl diphosphate synthases
15	c4jyxE_	Alignment		100.0	24	PDB header: transferase Chain: E: PDB Molecule: trans-hexaprenyltranstransferase; PDBTitle: crystal structure of polyprenyl synthase patl_3739 (target efi-509195)2 from pseudoalteromonas atlantica, complex with inorganic phosphate3 and an unknown ligand
16	c3cp6A_	Alignment		100.0	16	PDB header: transferase Chain: A: PDB Molecule: farnesyl pyrophosphate synthetase; PDBTitle: crystal structure of human farnesyl diphosphate synthase (t201a2 mutant) complexed with mg and biphosphonate inhibitor
17	c6b07B_	Alignment		100.0	17	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: farnesyl diphosphate synthase; PDBTitle: crystal structure of cffpps2, a lepidopteran type-ii farnesyl2 diphosphate synthase, complexed with [1-phosphono-2-(1-propylpyridin-3-2-yl)ethyl]phosphonic acid (inhibitor 1d)
18	c2f94F_	Alignment		100.0	16	PDB header: transferase Chain: F: PDB Molecule: farnesyl diphosphate synthase; PDBTitle: crystal structure of human fpps in complex with ibandronate
19	d2q80a1	Alignment		100.0	18	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Isoprenyl diphosphate synthases
20	c4kk2B_	Alignment		100.0	16	PDB header: transferase Chain: B: PDB Molecule: monoterpene synthase fds-5, chloroplastic - farnesyl PDBTitle: crystal structure of a chimeric fpp/gfpp synthase (target efi-502313c)2 from artemisia spiciformis (1-72:gi751454468,73-346:gi75233326), apo3 structure
21	c4jzbA_	Alignment	not modelled	100.0	18	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: farnesyl pyrophosphate synthase; PDBTitle: crystal structure of leshmaniasis major farnesyl diphosphate synthase2 in complex with 1-(2-hydroxy-2,2-diphosphonoethyl)-3-3 phenylpyridinium, ipp and ca2+
22	c3aq0G_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: G: PDB Molecule: geranyl diphosphate synthase; PDBTitle: ligand-bound form of arabidopsis medium/long-chain length prenyl2 pyrophosphate synthase (surface polar residue mutant)
23	c3oacD_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: D: PDB Molecule: geranyl diphosphate synthase large subunit; PDBTitle: mint deletion mutant of heterotetrameric geranyl pyrophosphate2 synthase in complex with ligands
24	c3ez3A_	Alignment	not modelled	100.0	17	PDB header: lyase Chain: A: PDB Molecule: farnesyl pyrophosphate synthase, putative; PDBTitle: crystal structure of plasmodium vivax geranylgeranylpyrophosphate2 synthase pxv_092040 with zoledronate and ipp bound
25	c3rmgB_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: octaprenyl-diphosphate synthase; PDBTitle: crystal structure of geranylgeranyl pyrophosphate synthase from2 bacteroides thetaiotaomicron
26	c3oyrA_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: trans-isoprenyl diphosphate synthase; PDBTitle: crystal structure of polyprenyl synthase from caulobacter crescentus2 cb15 complexed with calcium and isoprenyl diphosphate
27	c2e8xB_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: geranylgeranyl pyrophosphate synthetase; PDBTitle: s. cerevisiae geranylgeranyl pyrophosphate synthase in2

						complex with magnesium and gpp
28	d1v4ea_	Alignment	not modelled	100.0	21	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Isoprenyl diphosphate synthases
29	c2ogdB_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: farnesyl pyrophosphate synthase; PDBTitle: t. brucei farnesyl diphosphate synthase complexed with bisphosphonate2 bph-527
30	c1yhIA_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: farnesyl pyrophosphate synthase; PDBTitle: structure of the complex of trypanosoma cruzi farnesyl diphosphate2 synthase with risedronate, dmapp and mg+2
31	c3m9uD_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: D: PDB Molecule: farnesyl-diphosphate synthase; PDBTitle: crystal structure of geranylgeranyl pyrophosphate synthase from2 lactobacillus brevis atcc 367
32	c2o1oB_	Alignment	not modelled	100.0	14	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative farnesyl pyrophosphate synthase; PDBTitle: cryptosporidium parvum putative polyprenyl pyrophosphate synthase2 (cgd4_2550) in complex with risedronate.
33	c3lk5A_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: geranylgeranyl pyrophosphate synthase; PDBTitle: crystal structure of putative geranylgeranyl pyrophosphate synthase2 from corynebacterium glutamicum
34	c5eroB_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: fusicoccadiene synthase; PDBTitle: crystal structure of elongation domain of phomopsis amygdali2 fusicoccadiene synthase complexed with cobalt ions and pamidronate
35	c4lltB_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: B: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of a farnesyl diphosphate synthase from roseobacter2 denitrificans och 114, target efi-509393, with two ipp and calcium3 bound in active site
36	c3tc1A_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: octaprenyl pyrophosphate synthase; PDBTitle: crystal structure of octaprenyl pyrophosphate synthase from2 helicobacter pylori
37	d1rqja_	Alignment	not modelled	100.0	29	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Isoprenyl diphosphate synthases
38	c4lfgB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: geranylgeranyl diphosphate synthase; PDBTitle: crystal structure of geranylgeranyl diphosphate synthase sub12742 (target efi-509455) from streptococcus uberis 0140j with bound3 magnesium and isopentyl diphosphate, fully liganded complex;
39	c3ts7B_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: B: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of farnesyl diphosphate synthase (target efi-501951)2 from methylococcus capsulatus
40	c3ipiA_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of a geranyltranstransferase from the methanosarcina2 mazei
41	c5xn5A_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: os07g0580900 protein; PDBTitle: homo-dimer crystal structure of geranylgeranyl diphosphate synthases 12 from oryza sativa
42	c4kkmB_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: B: PDB Molecule: polyprenyl synthetase; PDBTitle: crystal structure of a fpp/gfpp synthase (target efi-501952) from2 zymomonas mobilis, apo structure
43	c2j1pB_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: B: PDB Molecule: geranylgeranyl pyrophosphate synthetase; PDBTitle: geranylgeranyl diphosphate synthase from sinapis alba in2 complex with ggpp
44	c2forB_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: B: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of the shigella flexneri farnesyl pyrophosphate2 synthase complex with an isopentenyl pyrophosphate
45	d1rtra_	Alignment	not modelled	100.0	20	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Isoprenyl diphosphate synthases
46	c3lsnA_	Alignment	not modelled	100.0	29	PDB header: transferase Chain: A: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of putative geranyltranstransferase from pseudomonas2 fluorescens pf-5 complexed with magnesium
47	c2h8oA_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: geranyltranstransferase; PDBTitle: the 1.6a crystal structure of the geranyltransferase from2 agrobacterium tumefaciens
48	c6c57B_	Alignment	not modelled	100.0	19	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: geranylgeranyl pyrophosphate synthase; PDBTitle: crystal structure of mutant human geranylgeranyl pyrophosphate2 synthase (y246d) in complex with bisphosphonate inhibitor fv0109
49	c3llwA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: geranyltranstransferase (ispa); PDBTitle: crystal structure of geranyltransferase from helicobacter pylori 26695
50	c3ucaB_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: B: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of isoprenoid synthase (target efi-501974) from2 clostridium perfringens
51	c3p8lB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of polyprenyl synthase from enterococcus faecalis2 v583
						PDB header: transferase

52	c3lomA_	Alignment	not modelled	100.0	24	Chain: A: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of geranyltransferase from legionella pneumophila
53	c5e8kA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: geranylgeranyl pyrophosphate synthase 10, mitochondrial; PDBTitle: crystal structure of polyprenyl pyrophosphate synthase 2 from2 arabidopsis thaliana
54	c3m0gB_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: farnesyl diphosphate synthase; PDBTitle: crystal structure of putative farnesyl diphosphate synthase from2 rhodobacter capsulatus
55	c2azjB_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: B: PDB Molecule: geranylgeranyl pyrophosphate synthetase; PDBTitle: crystal structure for the mutant d81c of sulfolobus2 solfataricus hexaprenyl pyrophosphate synthase
56	c3npkB_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: geranyltranstransferase; PDBTitle: the crystal structure of geranyltranstransferase from campylobacter2 jejuni
57	c2ftzA_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of geranyltranstransferase (ec 2.5.1.10) (tm0161)2 from thermotoga maritima at 1.90 a resolution
58	c5aypA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: farnesyl diphosphate synthase; PDBTitle: crystal structure of bacillus stearothermophilus farnesyl2 pyrophosphate synthase
59	c2j1oA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: geranylgeranyl pyrophosphate synthetase; PDBTitle: geranylgeranyl diphosphate synthase from sinapis alba
60	c5xn6D_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: D: PDB Molecule: os02g0668100 protein; PDBTitle: heterodimer crystal structure of geranylgeranyl diphosphate synthases2 1 with gggpps recruiting protein(osgrp) from oryza sativa
61	c3qkCB_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: geranyl diphosphate synthase small subunit; PDBTitle: crystal structure of geranyl diphosphate synthase small subunit from2 antirrhinum majus
62	c3kraB_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: geranyl diphosphate synthase small subunit; PDBTitle: mint heterotetrameric geranyl pyrophosphate synthase in complex with2 magnesium
63	c4fp4A_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: polyprenyl synthetase; PDBTitle: crystal structure of isoprenoid synthase a3mx09 (target efi-501993)2 from pyrobaculum caldifontis
64	c3p8rA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of polyprenyl synthase from vibrio cholerae
65	c4f62B_	Alignment	not modelled	100.0	31	PDB header: transferase Chain: B: PDB Molecule: geranyltranstransferase; PDBTitle: crystal structure of a putative farnesyl-diphosphate synthase from2 marinomonas sp. med121 (target efi-501980)
66	d1ezfa_	Alignment	not modelled	98.0	15	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Squalene synthase
67	c5nx4A_	Alignment	not modelled	97.6	10	PDB header: ligase Chain: A: PDB Molecule: pentalenene synthase; PDBTitle: crystal structure of linalool/nerolidol synthase from streptomyces2 clavuligerus
68	c3wccC_	Alignment	not modelled	97.2	14	PDB header: transferase Chain: C: PDB Molecule: farnesyltransferase, putative; PDBTitle: the complex structure of tcsqs with ligand, e5700
69	c5b02C_	Alignment	not modelled	97.1	12	PDB header: transferase, dna binding protein Chain: C: PDB Molecule: moen5,dna-binding protein 7d; PDBTitle: structure of the prenyltransferase moen5 with a fusion protein tag of2 sso7d
70	c2zcpA_	Alignment	not modelled	97.1	11	PDB header: transferase Chain: A: PDB Molecule: dehydrosqualene synthase; PDBTitle: crystal structure of the c(30) carotenoid dehydrosqualene synthase2 from staphylococcus aureus complexed with farnesyl thiopyrophosphate
71	c5a0iA_	Alignment	not modelled	96.8	16	PDB header: lyase Chain: A: PDB Molecule: labdane-related diterpene synthase; PDBTitle: crystallographic structure of the bacterial labdane-related diterpene2 synthase lrdc in complex with mg and ppi at 2.57 a resolution.
72	c5b0mB_	Alignment	not modelled	96.7	12	PDB header: transferase, dna binding protein Chain: B: PDB Molecule: moen5,dna-binding protein 7d; PDBTitle: structure of moen5-ss07d fusion protein in complex with beta-dodecyl2 maltoside
73	c4hd1A_	Alignment	not modelled	96.6	20	PDB header: transferase Chain: A: PDB Molecule: squalene synthase hpnc; PDBTitle: crystal structure of squalene synthase hpnc from alicyclobacillus2 acidocaldarius
74	c5iysA_	Alignment	not modelled	96.1	17	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: phytoene synthase; PDBTitle: crystal structure of a dehydrosqualene synthase in complex with ligand
75	c3we9A_	Alignment	not modelled	96.1	19	PDB header: transferase Chain: A: PDB Molecule: putative phytoene/squalene synthase yisp; PDBTitle: the crystal structure of yisp from bacillus subtilis subsp. subtilis2 strain 168
76	c3lg5A_	Alignment	not modelled	95.5	13	PDB header: lyase Chain: A: PDB Molecule: epi-isozizaene synthase; PDBTitle: f198a epi-isozizaene synthase: complex with mg,

						inorganic2 pyrophosphate and benzyl triethyl ammonium cation
77	c6egkB	Alignment	not modelled	95.0	11	PDB header: lyase Chain: B: PDB Molecule: cucumene synthase; PDBTitle: t181n cucumene synthase
78	c4okmA	Alignment	not modelled	94.6	14	PDB header: transferase Chain: A: PDB Molecule: terpene synthase metal-binding domain-containing protein; PDBTitle: selinadiene synthase apo and in complex with diphosphate
79	c5ermA	Alignment	not modelled	94.3	15	PDB header: lyase Chain: A: PDB Molecule: fuscococcadiene synthase; PDBTitle: crystal structure of cyclization domain of phomopsis amygdali2 fuscococcadiene synthase complexed with magnesium ions and pamidronate
80	d1d1a	Alignment	not modelled	93.4	11	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Aristolochene/pentalenene synthase
81	c5j1uB	Alignment	not modelled	91.6	13	PDB header: lyase Chain: B: PDB Molecule: germacradien-4-ol synthase; PDBTitle: crystal structure of germacradien-4-ol synthase from streptomyces2 citricolor
82	d1ps1a	Alignment	not modelled	91.4	12	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Aristolochene/pentalenene synthase
83	c6q4sA	Alignment	not modelled	89.3	11	PDB header: unknown function Chain: A: PDB Molecule: pentalenene synthase; PDBTitle: crystal structure of a-eudesmol synthase
84	c3v1vA	Alignment	not modelled	86.7	15	PDB header: lyase Chain: A: PDB Molecule: 2-methylisoborneol synthase; PDBTitle: crystal structure of 2-methylisoborneol synthase from streptomyces2 coelicolor a3(2) in complex with mg2+ and geranyl-s-thiolodiphosphate
85	c1hm4A	Alignment	not modelled	84.7	10	PDB header: lyase Chain: A: PDB Molecule: pentalenene synthase; PDBTitle: n219l pentalenene synthase
86	c2oa6B	Alignment	not modelled	82.8	9	PDB header: lyase Chain: B: PDB Molecule: aristolochene synthase; PDBTitle: aristolochene synthase from aspergillus terreus complexed with2 pyrophosphate
87	c3n0fA	Alignment	not modelled	81.6	15	PDB header: lyase Chain: A: PDB Molecule: isoprene synthase; PDBTitle: crystal structure of isoprene synthase from grey poplar leaves2 (populus x canadensis)
88	c4zq8B	Alignment	not modelled	81.0	19	PDB header: transferase Chain: B: PDB Molecule: isoprenoid synthase; PDBTitle: crystal structure of a terpene synthase from streptomyces lydicus,2 target efi-540129
89	c3saeA	Alignment	not modelled	80.8	11	PDB header: lyase Chain: A: PDB Molecule: alpha-bisabolene synthase; PDBTitle: structure of a three-domain sesquiterpene synthase: a prospective2 target for advanced biofuels production
90	c3g4dB	Alignment	not modelled	76.1	12	PDB header: lyase Chain: B: PDB Molecule: (+)-delta-cadinene synthase isozyme xc1; PDBTitle: crystal structure of (+)-delta-cadinene synthase from gossypium2 arboreum and evolutionary divergence of metal binding motifs for3 catalysis
91	c2j5cB	Alignment	not modelled	75.5	12	PDB header: lyase Chain: B: PDB Molecule: 1,8-cineole synthase; PDBTitle: rational conversion of substrate and product specificity in a2 monoterpene synthase. structural insights into the molecular basis of3 rapid evolution.
92	d1n1ba2	Alignment	not modelled	75.2	13	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Terpenoid cyclase C-terminal domain
93	c4mc8A	Alignment	not modelled	72.8	13	PDB header: lyase Chain: A: PDB Molecule: putative sesquiterpene cyclase; PDBTitle: hedyaryol synthase in complex with hepes
94	c2ongA	Alignment	not modelled	72.6	13	PDB header: lyase Chain: A: PDB Molecule: 4s-limonene synthase; PDBTitle: crystal structure of of limonene synthase with 2-2 fluorogeranyl diphosphate (fgpp).
95	c3p5rB	Alignment	not modelled	72.5	10	PDB header: lyase Chain: B: PDB Molecule: taxadiene synthase; PDBTitle: crystal structure of taxadiene synthase from pacific yew (taxus2 brevifolia) in complex with mg2+ and 2-fluorogeranylgeranyl3 diphosphate
96	c5nx6A	Alignment	not modelled	71.3	11	PDB header: lyase Chain: A: PDB Molecule: pentalenene synthase; PDBTitle: crystal structure of 1,8-cineole synthase from streptomyces2 clavuligerus in complex with 2-fluoronyl diphosphate
97	c3v1xA	Alignment	not modelled	66.1	14	PDB header: lyase Chain: A: PDB Molecule: 2-methylisoborneol synthase; PDBTitle: crystal structure of 2-methylisoborneol synthase from streptomyces2 coelicolor a3(2) in complex with mg2+ and 2-fluorogeranyl diphosphate
98	c5dw7A	Alignment	not modelled	65.7	13	PDB header: lyase Chain: A: PDB Molecule: germacradienol/geosmin synthase; PDBTitle: crystal structure of the unliganded geosmin synthase n-terminal domain2 from streptomyces coelicolor
99	c5uv1A	Alignment	not modelled	64.1	13	PDB header: lyase Chain: A: PDB Molecule: (+)-limonene synthase; PDBTitle: crystal structure of (+)-limonene synthase complexed with 2-2 fluorogeranyl diphosphate
100	c3s9vD	Alignment	not modelled	64.1	8	PDB header: lyase, isomerase Chain: D: PDB Molecule: abietadiene synthase, chloroplastic; PDBTitle: abietadiene synthase from abies grandis

101	d5easa2	Alignment	not modelled	61.3	12	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Terpenoid cyclase C-terminal domain
102	c1hx9A	Alignment	not modelled	59.1	12	PDB header: lyase Chain: A: PDB Molecule: 5-epi-aristolochene synthase; PDBTitle: crystal structure of teas w273s form 1
103	c5zzjC	Alignment	not modelled	54.3	16	PDB header: lyase Chain: C: PDB Molecule: santalene synthase; PDBTitle: crystal structure of a enzyme from santalum album
104	c6o9qA	Alignment	not modelled	47.5	11	PDB header: lyase Chain: A: PDB Molecule: sesquisabinene b synthase 1; PDBTitle: wild-type sasqs1
105	c5h9dD	Alignment	not modelled	44.2	24	PDB header: transferase Chain: D: PDB Molecule: heptaprenyl diphosphate synthase (hepp synthase) subunit 1 PDBTitle: crystal structure of heptaprenyl diphosphate synthase from 2 staphylococcus aureus
106	c1n20A	Alignment	not modelled	39.5	11	PDB header: isomerase Chain: A: PDB Molecule: (+)-bornyl diphosphate synthase; PDBTitle: (+)-bornyl diphosphate synthase: complex with mg and 3-aza-2,3-dihydrogeranyl diphosphate
107	d1kiya	Alignment	not modelled	29.9	10	Fold: Terpenoid synthases Superfamily: Terpenoid synthases Family: Trichodiene synthase
108	c5c05A	Alignment	not modelled	27.4	14	PDB header: biosynthetic protein Chain: A: PDB Molecule: putative gamma-terpinene synthase; PDBTitle: crystal structure of gamma-terpinene synthase from thymus vulgaris