
































Phyre2

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Description	Q7M4L6
Date	Thu Apr 26 09:50:10 BST 2012
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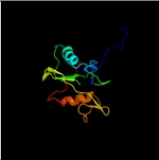
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2eo6A_	 Alignment		100.0	27	PDB header: signaling protein Chain: A; PDB Molecule: b-cell linker protein; PDBTitle: solution structure of the sh2 domain from mouse b-cell12 linker protein blk
2	c2y3aB_	 Alignment		100.0	27	PDB header: transferase Chain: B; PDB Molecule: phosphatidylinositol 3-kinase regulatory subunit beta; PDBTitle: crystal structure of p110beta in complex with icsh2 of p85beta and2 the drug gdc-0941
3	c3hizB_	 Alignment		100.0	34	PDB header: transferase/oncoprotein Chain: B; PDB Molecule: phosphatidylinositol 3-kinase regulatory subunit PDBTitle: crystal structure of p110alpha h1047r mutant in complex with2 nish2 of p85alpha
4	c2crhA_	 Alignment		99.9	23	PDB header: signaling protein Chain: A; PDB Molecule: vav proto-oncogene; PDBTitle: solution structure of the sh2 domain of human proto-2 oncogene protein vav1
5	c2gsbA_	 Alignment		99.9	29	PDB header: signaling protein Chain: A; PDB Molecule: ras gtpase-activating protein 1; PDBTitle: solution structure of the second sh2 domain of human ras2 gtpase-activating protein 1
6	d2oq1a1	 Alignment		99.9	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
7	d1pica_	 Alignment		99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
8	c2oq1A_	 Alignment		99.9	23	PDB header: transferase Chain: A; PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: tandem sh2 domains of zap-70 with 19-mer zeta1 peptide
9	d3c7ia1	 Alignment		99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
10	c2eo3A_	 Alignment		99.9	22	PDB header: signaling protein Chain: A; PDB Molecule: crk-like protein; PDBTitle: solution structure of the sh2 domain from human crk-like2 protein
11	c1ka6A_	 Alignment		99.9	23	PDB header: immune system Chain: A; PDB Molecule: sh2 domain protein 1a; PDBTitle: sap/sh2d1a bound to peptide n-py

12	d2shpa2	Alignment		99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
13	c2dlza	Alignment		99.9	23	PDB header: signaling protein Chain: A: PDB Molecule: protein vav-2; PDBTitle: solution structure of the sh2 domain of human protein vav-2
14	c2dlya	Alignment		99.9	30	PDB header: transferase Chain: A: PDB Molecule: fyn-related kinase; PDBTitle: solution structure of the sh2 domain of murine fyn-related2 kinase
15	d1fhsa	Alignment		99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
16	c2vifa	Alignment		99.9	27	PDB header: signaling protein Chain: A: PDB Molecule: suppressor of cytokine signalling 6; PDBTitle: crystal structure of socs6 sh2 domain in complex with a c-kit2 phosphopeptide
17	c2shpa	Alignment		99.9	27	PDB header: tyrosine phosphatase Chain: A: PDB Molecule: shp-2; PDBTitle: tyrosine phosphatase shp-2
18	c2fo0A	Alignment		99.9	31	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase abl1 (1b isoform); PDBTitle: organization of the sh3-sh2 unit in active and inactive forms of the2 c-abl tyrosine kinase
19	c2eobA	Alignment		99.9	26	PDB header: hydrolase Chain: A: PDB Molecule: 1-phosphatidylinositol-4,5-bisphosphate PDBTitle: solution structure of the second sh2 domain from rat plc2 gamma-2
20	d1ayaa	Alignment		99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
21	c2c9wA	Alignment	not modelled	99.9	24	PDB header: transcription regulation Chain: A: PDB Molecule: suppressor of cytokine signaling 2; PDBTitle: crystal structure of socs-2 in complex with elongin-b and2 elongin-c at 1.9a resolution
22	d2izva2	Alignment	not modelled	99.9	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
23	c1x6cA	Alignment	not modelled	99.9	30	PDB header: signaling protein Chain: A: PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: solution structures of the sh2 domain of human protein-2 tyrosine phosphatase shp-1
24	c2hmbA	Alignment	not modelled	99.9	21	PDB header: cytokine regulator Chain: A: PDB Molecule: suppressor of cytokine signaling 3; PDBTitle: crystal structure of socs3 in complex with gp130(pbyr757)2 phosphopeptide.
25	c2kk6A	Alignment	not modelled	99.9	28	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fer; PDBTitle: solution structure of sh2 domain of proto-oncogene tyrosine-2 protein kinase fer from homo sapiens, northeast structural3 genomics consortium (nesg) target hr3461d
26	d1opka2	Alignment	not modelled	99.9	33	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
27	c2izvA	Alignment	not modelled	99.9	19	PDB header: transcription Chain: A: PDB Molecule: suppressor of cytokine signaling 4; PDBTitle: crystal structure of socs-4 in complex with elongin-b and2 elongin-c at 2.55a resolution
						Fold: SH2-like

28	d1a81e1	Alignment	not modelled	99.9	20	Superfamily: SH2 domain Family: SH2 domain
29	c2ysxA	Alignment	not modelled	99.9	26	PDB header: signaling protein Chain: A: PDB Molecule: signaling inositol polyphosphate phosphatase PDBTitle: solution structure of the human ship sh2 domain
30	c2dcrA	Alignment	not modelled	99.9	29	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fes/fps; PDBTitle: fully automated solution structure determination of the fes2 sh2 domain
31	d1blja	Alignment	not modelled	99.9	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
32	c2ablA	Alignment	not modelled	99.9	31	PDB header: transferase Chain: A: PDB Molecule: abl tyrosine kinase; PDBTitle: sh3-sh2 domain fragment of human bcr-abl tyrosine kinase
33	c2lctA	Alignment	not modelled	99.9	26	PDB header: signaling protein Chain: A: PDB Molecule: proto-oncogene vav; PDBTitle: solution structure of the vav1 sh2 domain complexed with a syk-derived2 doubly phosphorylated peptide
34	d1k9aa2	Alignment	not modelled	99.9	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
35	d1a81e2	Alignment	not modelled	99.9	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
36	d1rjaa	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
37	d1mila	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
38	d1qada	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
39	c2b3oA	Alignment	not modelled	99.9	29	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: crystal structure of human tyrosine phosphatase shp-1
40	d1d4ta	Alignment	not modelled	99.9	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
41	d1lkka	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
42	d1a81a1	Alignment	not modelled	99.9	20	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
43	c2ozoA	Alignment	not modelled	99.9	23	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
44	d2eyva1	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
45	c2knoA	Alignment	not modelled	99.9	24	PDB header: hydrolase Chain: A: PDB Molecule: tensin-like c1 domain-containing phosphatase; PDBTitle: nmr solution structure of sh2 domain of the human tensin like c12 domain containing phosphatase (tenc1)
46	d2oq1a2	Alignment	not modelled	99.9	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
47	d2shpa3	Alignment	not modelled	99.9	31	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
48	d1r1qa	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
49	d2cs0a1	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
50	d1jwoa	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
51	d1a81a2	Alignment	not modelled	99.9	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
52	c2ci8A	Alignment	not modelled	99.9	37	PDB header: translation Chain: A: PDB Molecule: cytoplasmic protein nck1; PDBTitle: sh2 domain of human nck1 adaptor protein - uncomplexed
53	d1g83a2	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
54	d1i3za	Alignment	not modelled	99.9	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain

55	c1oplA_	Alignment	not modelled	99.9	31	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
56	d1luia_	Alignment	not modelled	99.9	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
57	d1fu6a_	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
58	c2ge9A_	Alignment	not modelled	99.9	27	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: solution structures of the sh2 domain of bruton's tyrosine2 kinase
59	d1nrva_	Alignment	not modelled	99.9	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
60	d1csya_	Alignment	not modelled	99.9	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
61	c2ekxA_	Alignment	not modelled	99.9	28	PDB header: signaling protein Chain: A: PDB Molecule: cytoplasmic tyrosine-protein kinase bmx; PDBTitle: solution structure of the human bmx sh2 domain
62	d2c9wa2	Alignment	not modelled	99.9	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
63	c3gqiB_	Alignment	not modelled	99.9	21	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: phospholipase c-gamma-1; PDBTitle: crystal structure of activated receptor tyrosine kinase in complex2 with substrates
64	c3ps5A_	Alignment	not modelled	99.9	29	PDB header: hydrolase, signaling protein Chain: A: PDB Molecule: tyrosine-protein phosphatase non-receptor type 6; PDBTitle: crystal structure of the full-length human protein tyrosine2 phosphatase shp-1
65	d1o48a_	Alignment	not modelled	99.9	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
66	d2qmsa1	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
67	d1jyra_	Alignment	not modelled	99.9	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
68	c1k9aB_	Alignment	not modelled	99.9	23	PDB header: transferase Chain: B: PDB Molecule: carboxyl-terminal src kinase; PDBTitle: crystal structure analysis of full-length carboxyl-terminal2 src kinase at 2.5 a resolution
69	c3nhnA_	Alignment	not modelled	99.9	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: crystal structure of the src-family kinase hck sh3-sh2-linker2 regulatory region
70	d1qcfa2	Alignment	not modelled	99.9	31	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
71	d1f2fa_	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
72	d1bkla_	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
73	c1y57A_	Alignment	not modelled	99.9	23	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
74	c1x27F_	Alignment	not modelled	99.9	26	PDB header: signaling protein Chain: F: PDB Molecule: proto-oncogene tyrosine-protein kinase lck; PDBTitle: crystal structure of lck sh2-sh3 with sh2 binding site of 2 p130cas
75	c2el8A_	Alignment	not modelled	99.9	18	PDB header: signaling protein Chain: A: PDB Molecule: signal-transducing adaptor protein 2; PDBTitle: solution structure of the human stap2 sh2 domain
76	d2fcia1	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
77	d1xa6a2	Alignment	not modelled	99.9	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
78	c1a81E_	Alignment	not modelled	99.9	18	PDB header: complex (transferase/peptide) Chain: E: PDB Molecule: syk kinase; PDBTitle: crystal structure of the tandem sh2 domain of the syk kinase bound to2 a dually tyrosine-phosphorylated itam
79	c3mazA_	Alignment	not modelled	99.9	11	PDB header: signaling protein Chain: A: PDB Molecule: signal-transducing adaptor protein 1; PDBTitle: crystal structure of the human brdg1/stap-1 sh2 domain in complex with2 the ntl ptyr136 peptide
80	c2h8hA_	Alignment	not modelled	99.9	24	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor

81	dlrpya_	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
82	c2dm0A_	Alignment	not modelled	99.9	25	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: solution structure of the sh2 domain of human tyrosine-2 protein kinase btk
83	c2c0iA_	Alignment	not modelled	99.9	27	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
84	c1g83A_	Alignment	not modelled	99.9	28	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fyn; PDBTitle: crystal structure of fyn sh3-sh2
85	c1rqqC_	Alignment	not modelled	99.9	25	PDB header: transferase/signaling protein Chain: C: PDB Molecule: adaptor protein aps; PDBTitle: crystal structure of the insulin receptor kinase in complex2 with the sh2 domain of aps
86	c2eyzA_	Alignment	not modelled	99.9	29	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform ii
87	d1cwea_	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
88	c2cr4A_	Alignment		99.9	19	PDB header: signaling protein Chain: A: PDB Molecule: sh3 domain-binding protein 2; PDBTitle: solution structure of the sh2 domain of human sh3bp2 protein
89	c2dviA_	Alignment	not modelled	99.9	27	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog, PDBTitle: phosphorylated crk-ii
90	c3gxB_	Alignment	not modelled	99.8	19	PDB header: transcription Chain: B: PDB Molecule: transcription elongation factor spt6; PDBTitle: structure of the sh2 domain of the candida glabrata2 transcription elongation factor spt6, crystal form b
91	c2eyyA_	Alignment	not modelled	99.8	28	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform i
92	c3qwxX_	Alignment	not modelled	99.8	24	PDB header: signaling protein Chain: X: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2 1-174
93	c3qwyA_	Alignment	not modelled	99.8	22	PDB header: signaling protein Chain: A: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2
94	c2dx0B_	Alignment	not modelled	99.8	33	PDB header: hydrolase Chain: B: PDB Molecule: phospholipase c, gamma 2; PDBTitle: crystal structure of the n-terminal sh2 domain of mouse2 phospholipase c-gamma 2
95	c3or8A_	Alignment	not modelled	99.7	19	PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor spt6; PDBTitle: a tandem sh2 domain in transcription elongation factor spt6
96	c1xa6A_	Alignment	not modelled	99.7	24	PDB header: signaling protein Chain: A: PDB Molecule: beta2-chimaerin; PDBTitle: crystal structure of the human beta2-chimaerin
97	c2xp1A_	Alignment	not modelled	99.7	16	PDB header: transcription Chain: A: PDB Molecule: spt6; PDBTitle: structure of the tandem sh2 domains from antonospora locustae2 transcription elongation factor spt6
98	d1luura3	Alignment	not modelled	99.6	11	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
99	d1bf5a3	Alignment	not modelled	99.6	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
100	d1bg1a3	Alignment	not modelled	99.5	20	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
101	c3cblA_	Alignment	not modelled	99.2	37	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fes/fps; PDBTitle: crystal structure of human feline sarcoma viral oncogene homologue (v-2 fes) in complex with staurosporine and a consensus peptide
102	c1yvlB_	Alignment	not modelled	98.5	17	PDB header: signaling protein Chain: B: PDB Molecule: signal transducer and activator of transcription PDBTitle: structure of unphosphorylated stat1
103	c1uusA_	Alignment	not modelled	98.5	15	PDB header: signal transduction Chain: A: PDB Molecule: stat protein; PDBTitle: structure of an activated dictyostelium stat in its2 dna-unbound form
104	c1bf5A_	Alignment	not modelled	98.2	21	PDB header: gene regulation/dna Chain: A: PDB Molecule: signal transducer and activator of transcription PDBTitle: tyrosine phosphorylated stat-1/dna complex
105	c1y1uA_	Alignment	not modelled	98.2	18	PDB header: signaling protein Chain: A: PDB Molecule: signal transducer and activator of transcription 5a; PDBTitle: structure of unphosphorylated stat5a

106	c1bg1A_	Alignment	not modelled	98.1	16	PDB header: transcription/dna Chain: A: PDB Molecule: protein (transcription factor stat3b); PDBTitle: transcription factor stat3b/dna complex
107	c2cblA_	Alignment	not modelled	98.0	17	PDB header: complex (proto-oncogene/peptide) Chain: A: PDB Molecule: proto-oncogene cbl; PDBTitle: n-terminal domain of cbl in complex with its binding site2 on zap-70
108	c3bunB_	Alignment	not modelled	98.0	17	PDB header: ligase/signaling protein Chain: B: PDB Molecule: e3 ubiquitin-protein ligase cbl; PDBTitle: crystal structure of c-cbl-tkb domain complexed with its2 binding motif in sprouty4
109	c3cwgA_	Alignment	not modelled	96.8	23	PDB header: transcription Chain: A: PDB Molecule: signal transducer and activator of transcription PDBTitle: unphosphorylated mouse stat3 core fragment
110	c1griA_	Alignment	not modelled	95.2	31	PDB header: signal transduction adaptor Chain: A: PDB Molecule: growth factor bound protein 2; PDBTitle: grb2
111	c1fbvA_	Alignment	not modelled	91.4	19	PDB header: ligase Chain: A: PDB Molecule: signal transduction protein cbl; PDBTitle: structure of a cbl-ubch7 complex: ring domain function in2 ubiquitin-protein ligases
112	d2e9ia1	Alignment	not modelled	69.0	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
113	d3buxb3	Alignment	not modelled	68.9	19	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
114	c3op0B_	Alignment	not modelled	68.1	22	PDB header: signaling protein/signaling protein regu Chain: B: PDB Molecule: signal transduction protein cbl-c; PDBTitle: crystal structure of cbl-c (cbl-3) tkb domain in complex with egfr2 py1069 peptide
115	d1wlha1	Alignment	not modelled	66.5	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
116	d2d7na1	Alignment	not modelled	63.1	20	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
117	d2di8a1	Alignment	not modelled	62.8	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
118	d2di9a1	Alignment	not modelled	62.3	7	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
119	c1ksrA_	Alignment	not modelled	61.2	13	PDB header: actin binding protein Chain: A: PDB Molecule: gelation factor; PDBTitle: the repeating segments of the f-actin cross-linking2 gelation factor (abp-120) have an immunoglobulin fold, nmr,3 20 structures
120	d2d7ma1	Alignment	not modelled	61.2	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)