















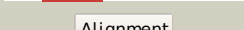

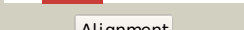





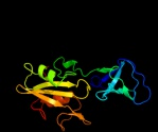




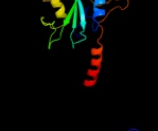



Phyre2



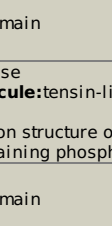
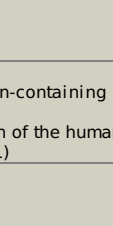
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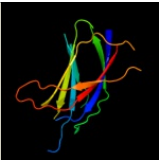

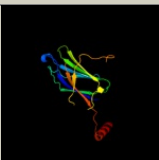
Detailed template information



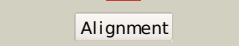

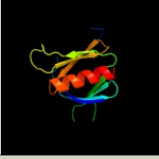

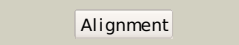

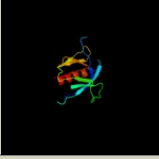
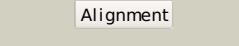
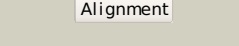

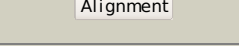
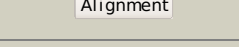
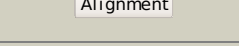
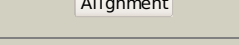
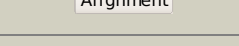
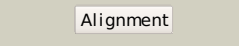
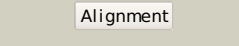
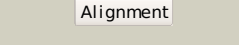
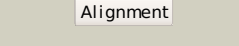
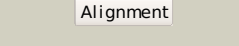
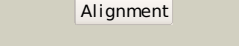
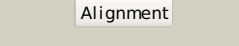
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1	c3bxjB_	 Alignment		100.0	25	PDB header: signaling protein Chain: B: PDB Molecule: ras gtpase-activating protein syngap; PDBTitle: crystal structure of the c2-gap fragment of syngap
2	d1wera_	 Alignment		100.0	100	Fold: GTPase activation domain, GAP Superfamily: GTPase activation domain, GAP Family: p120GAP domain-like
3	c3fayA_	 Alignment		100.0	19	PDB header: membrane protein Chain: A: PDB Molecule: ras gtpase-activating-like protein iqgap1; PDBTitle: crystal structure of the gap-related domain of iqgap1
4	d1nfla_	 Alignment		100.0	32	Fold: GTPase activation domain, GAP Superfamily: GTPase activation domain, GAP Family: p120GAP domain-like
5	c2b3oA_	 Alignment		100.0	31	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: crystal structure of human tyrosine phosphatase shp-1
6	c3ps5A_	 Alignment		100.0	30	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
7	c2shpA_	 Alignment		100.0	33	PDB header: tyrosine phosphatase Chain: A: PDB Molecule: shp-2; PDBTitle: tyrosine phosphatase shp-2
8	c3gqiB_	 Alignment		100.0	33	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
9	c2oq1A_	 Alignment		100.0	25	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: tandem sh2 domains of zap-70 with 19-mer zeta1 peptide
10	c2ozoA_	 Alignment		100.0	25	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
11	c1a81E_	 Alignment		100.0	26	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

12	c2fo0A_	Alignment		99.9	21	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
13	c2gsbA_	Alignment		99.9	97	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
14	c2ablA_	Alignment		99.9	23	PDB header: transferase Chain: A: PDB Molecule: abl tyrosine kinase; PDBTitle: sh3-sh2 domain fragment of human bcr-abl tyrosine kinase
15	c1k9aB_	Alignment		99.9	21	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
16	c1x27F_	Alignment		99.9	21	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 of2 p130cas
17	c1y57A_	Alignment		99.9	25	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
18	d2oq1a1	Alignment		99.9	19	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
19	c3nhnA_	Alignment		99.9	29	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
20	c2h8hA_	Alignment		99.9	25	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
21	c1oplA_	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
22	c2eobA_	Alignment	not modelled	99.8	21	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
23	c2c0iA_	Alignment	not modelled	99.8	27	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
24	c2eo6A_	Alignment	not modelled	99.8	21	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
25	c3hizB_	Alignment	not modelled	99.8	25	PDB header: transferase/oncoprotein subunit Chain: B: PDB Molecule: phosphatidylinositol 3-kinase regulatory subunit PDBTitle: crystal structure of p110alpha h1047r mutant in complex with2 nish2 of p85alpha
26	c2dlyA_	Alignment	not modelled	99.8	20	PDB header: transferase Chain: A: PDB Molecule: fyn-related kinase; PDBTitle: solution structure of the sh2 domain of murine fyn-related2 kinase
27	d1nrva_	Alignment	not modelled	99.8	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
28	d3c7ia1	Alignment	not modelled	99.8	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
						Fold: SH2-like

29	d1rjaa_	Alignment	not modelled	99.8	24	Superfamily: SH2 domain Family: SH2 domain
30	d1a81e2	Alignment	not modelled	99.8	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
31	c1g83A_	Alignment	not modelled	99.8	26	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fyn; PDBTitle: crystal structure of fyn sh3-sh2
32	d2shpa2	Alignment	not modelled	99.8	33	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
33	d2oq1a2	Alignment	not modelled	99.8	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
34	d1fhsa_	Alignment	not modelled	99.8	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
35	c1ka6A_	Alignment	not modelled	99.8	26	PDB header: immune system Chain: A: PDB Molecule: sh2 domain protein 1a; PDBTitle: sap/sh2d1a bound to peptide n-py
36	d1a81a1	Alignment	not modelled	99.8	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
37	c2y3aB_	Alignment	not modelled	99.8	26	PDB header: transferase Chain: B: PDB Molecule: phosphatidylinositol 3-kinase regulatory subunit beta; PDBTitle: crystal structure of p110beta in complex with ics2 of p85beta and2 the drug gdc-0941
38	c2lqnA_	Alignment	not modelled	99.8	26	PDB header: signaling protein Chain: A: PDB Molecule: crk-like protein; PDBTitle: solution structure of crkl
39	c2eo3A_	Alignment	not modelled	99.8	29	PDB header: signaling protein Chain: A: PDB Molecule: crk-like protein; PDBTitle: solution structure of the sh2 domain from human crk-like2 protein
40	c2ysxA_	Alignment	not modelled	99.8	27	PDB header: signaling protein Chain: A: PDB Molecule: signaling inositol polyphosphate phosphatase PDBTitle: solution structure of the human ship sh2 domain
41	d1csya_	Alignment	not modelled	99.8	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
42	c1x6cA_	Alignment	not modelled	99.8	28	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
43	d1a81e1	Alignment	not modelled	99.8	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
44	d1a81a2	Alignment	not modelled	99.8	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
45	d1ayaa_	Alignment	not modelled	99.8	35	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
46	d2fcia1	Alignment	not modelled	99.8	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
47	d1i3za_	Alignment	not modelled	99.8	20	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
48	d1jwoa_	Alignment	not modelled	99.8	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
49	c2crhA_	Alignment	not modelled	99.8	13	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
50	c2ci8A_	Alignment	not modelled	99.8	25	PDB header: translation Chain: A: PDB Molecule: cytoplasmic protein nck1; PDBTitle: sh2 domain of human nck1 adaptor protein - uncomplexed
51	d1d4ta_	Alignment	not modelled	99.8	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
52	c2dlzA_	Alignment	not modelled	99.8	19	PDB header: signaling protein Chain: A: PDB Molecule: protein vav-2; PDBTitle: solution structure of the sh2 domain of human protein vav-2
53	d1blja_	Alignment	not modelled	99.8	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
54	d1jyra_	Alignment	not modelled	99.8	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
55	d1pica_	Alignment	not modelled	99.8	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain

56	d1o48a_	Alignment	not modelled	99.8	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
57	d2qmsa1	Alignment	not modelled	99.8	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
58	d1k9aa2	Alignment	not modelled	99.8	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
59	c2ge9A_	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: solution structures of the sh2 domain of bruton's tyrosine2 kinase
60	d1gmia_	Alignment		99.8	26	Fold: C2 domain-like Superfamily: C2 domain (Calcium/lipid-binding domain, CaLB) Family: PLC-like (P variant)
61	d1opka2	Alignment	not modelled	99.8	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
62	d1lkka_	Alignment	not modelled	99.8	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
63	d2izva2	Alignment	not modelled	99.8	18	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
64	c2knoA_	Alignment	not modelled	99.8	21	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)
65	d1r1qa_	Alignment	not modelled	99.8	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
66	d1f2fa_	Alignment	not modelled	99.8	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
67	d1qcfa2	Alignment	not modelled	99.8	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
68	c2fk9A_	Alignment		99.8	26	PDB header: transferase Chain: A: PDB Molecule: protein kinase c, eta type; PDBTitle: human protein kinase c, eta
69	d2shpa3	Alignment	not modelled	99.8	39	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
70	d1g83a2	Alignment	not modelled	99.8	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
71	d1bkla_	Alignment	not modelled	99.8	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
72	c2lctA_	Alignment	not modelled	99.8	14	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
73	d2cjta1	Alignment		99.8	19	Fold: C2 domain-like Superfamily: C2 domain (Calcium/lipid-binding domain, CaLB) Family: PLC-like (P variant)
74	d1luia_	Alignment	not modelled	99.8	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
75	d2eyva1	Alignment	not modelled	99.8	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
76	c2r09A_	Alignment		99.7	32	PDB header: signaling protein Chain: A: PDB Molecule: cytohesin-3; PDBTitle: crystal structure of autoinhibited form of grp1 arf gtpase exchange2 factor
77	c2el8A_	Alignment	not modelled	99.7	20	PDB header: signaling protein Chain: A: PDB Molecule: signal-transducing adaptor protein 2; PDBTitle: solution structure of the human stap2 sh2 domain
78	d1rpya_	Alignment	not modelled	99.7	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain

79	c3m7fB_	Alignment		99.7	22	PDB header: signaling protein/ligase Chain: B: PDB Molecule: e3 ubiquitin-protein ligase nedd4; PDBTitle: crystal structure of the nedd4 c2/grb10 sh2 complex
80	d2cs0a1	Alignment	not modelled	99.7	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
81	c1rqgC_	Alignment	not modelled	99.7	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
82	c2ekxA_	Alignment	not modelled	99.7	22	PDB header: signaling protein Chain: A: PDB Molecule: cytoplasmic tyrosine-protein kinase bmx; PDBTitle: solution structure of the human bmx sh2 domain
83	d2dyna_	Alignment	not modelled	99.7	16	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
84	c2c9wA_	Alignment	not modelled	99.7	18	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
85	c2vifA_	Alignment	not modelled	99.7	23	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
86	d1mila_	Alignment	not modelled	99.7	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
87	c2izvA_	Alignment	not modelled	99.7	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
88	c3l9bA_	Alignment		99.7	17	PDB header: membrane protein Chain: A: PDB Molecule: otoferlin; PDBTitle: crystal structure of rat otoferlin c2a
89	c2d9zA_	Alignment		99.7	22	PDB header: signaling protein Chain: A: PDB Molecule: protein kinase c, nu type; PDBTitle: solution structure of the ph domain of protein kinase c, nu2 type from human
90	c2kk6A_	Alignment	not modelled	99.7	33	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
91	d1fu6a_	Alignment	not modelled	99.7	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
92	d1qada_	Alignment	not modelled	99.7	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
93	c2dm0A_	Alignment	not modelled	99.7	21	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
94	c2dvjA_	Alignment	not modelled	99.7	23	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog, PDBTitle: phosphorylated crk-ii
95	c2dcrA_	Alignment	not modelled	99.7	30	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
96	c2hmbA_	Alignment	not modelled	99.7	17	PDB header: cytokine regulator Chain: A: PDB Molecule: suppressor of cytokine signaling 3; PDBTitle: crystal structure of socs3 in complex with gp130(ptyr757)2 phosphopeptide.
97	c3mazA_	Alignment	not modelled	99.7	19	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 ntal ptyr136 peptide
98	d2cjsa1	Alignment		99.7	21	Fold: C2 domain-like Superfamily: C2 domain (Calcium/lipid-binding domain, CaLB) Family: PLC-like (P variant)
99	d2coaa1	Alignment	not modelled	99.7	19	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
100	c3qwxX_	Alignment	not modelled	99.7	17	PDB header: signaling protein Chain: X: PDB Molecule: cell death abnormality protein 2;

			PDBTitle: ced-2 1-174		
101	d2fj1a1	Alignment 		99.7	22 Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
102	d1v88a_	Alignment 	not modelled	99.7	18 Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
103	c3a8qB_	Alignment 		99.7	23 PDB header: signaling protein Chain: B: PDB Molecule: t-lymphoma invasion and metastasis-inducing PDBTitle: low-resolution crystal structure of the tiam2 phccex domain
104	d1cwea_	Alignment 	not modelled	99.7	26 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
105	c2eyyA_	Alignment 	not modelled	99.7	18 PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform i
106	d1wg7a_	Alignment 		99.7	26 Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
107	d1xa6a2	Alignment 	not modelled	99.7	24 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
108	d1x1ga1	Alignment 		99.7	25 Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
109	c2eyzA_	Alignment 	not modelled	99.7	29 PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform ii
110	d1x1fa1	Alignment 	not modelled	99.7	18 Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
111	c3or8A_	Alignment 	not modelled	99.7	20 PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor spt6; PDBTitle: a tandem sh2 domain in transcription elongation factor spt6
112	d2c9wa2	Alignment 	not modelled	99.7	18 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
113	c3qwyA_	Alignment 	not modelled	99.7	17 PDB header: signaling protein Chain: A: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2
114	c2d9vA_	Alignment 	not modelled	99.7	19 PDB header: membrane protein Chain: A: PDB Molecule: pleckstrin homology domain-containing protein PDBTitle: solution structure of the ph domain of pleckstrin homology2 domain-containing protein family b member 1 from mouse
115	d1u5ea1	Alignment 	not modelled	99.7	25 Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
116	d1xx0a1	Alignment 	not modelled	99.7	32 Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
117	c3a8nA_	Alignment 	not modelled	99.7	22 PDB header: signaling protein Chain: A: PDB Molecule: t-lymphoma invasion and metastasis-inducing PDBTitle: crystal structure of the tiam1 phccex domain
118	d2coca1	Alignment 	not modelled	99.6	15 Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
119	c2xp1A_	Alignment 	not modelled	99.6	19 PDB header: transcription Chain: A: PDB Molecule: spt6; PDBTitle: structure of the tandem sh2 domains from antonospora locustae2 transcription elongation factor spt6
120	c2ys3A_	Alignment 	not modelled	99.6	21 PDB header: signaling protein Chain: A: PDB Molecule: unc-112-related protein 2; PDBTitle: solution structure of the ph domain of kindlin-3 from human