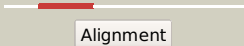

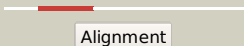

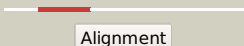

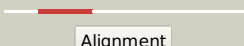

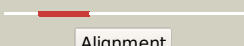
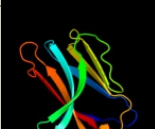
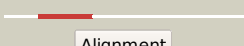

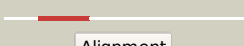
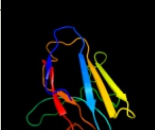



















Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	A1KXC4
Date	Wed Jul 10 14:11:45 BST 2013
Unique Job ID	a9d806fa78abb84b

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2nmsA_	 Alignment		99.8	18	PDB header: immune system Chain: A: PDB Molecule: cmrf35-like-molecule 1; PDBTitle: the crystal structure of the extracellular domain of the2 inhibitor receptor expressed on myeloid cells irem-1
2	c1zoxA_	 Alignment		99.8	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: clm-1; PDBTitle: clm-1 mouse myeloid receptor extracellular domain
3	c2q87B_	 Alignment		99.8	26	PDB header: immune system Chain: B: PDB Molecule: cmrf35-h antigen; PDBTitle: the crystal structure of the human irp60 ectodomain
4	c2frgP_	 Alignment		99.8	26	PDB header: immune system Chain: P: PDB Molecule: trem-like transcript-1; PDBTitle: structure of the immunoglobulin-like domain of human tt-1
5	d1hkfa_	 Alignment		99.7	21	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
6	c1xedD_	 Alignment		99.7	32	PDB header: immune system Chain: D: PDB Molecule: polymeric-immunoglobulin receptor; PDBTitle: crystal structure of a ligand-binding domain of the human2 polymeric ig receptor, pigr
7	c1chnJ_	 Alignment		99.7	26	PDB header: immune system Chain: J: PDB Molecule: secretory component; PDBTitle: solution structure of human secretory iga1
8	c3cm9J_	 Alignment		99.7	26	PDB header: immune system Chain: J: PDB Molecule: secretory component; PDBTitle: solution structure of human siga2
9	c1xedF_	 Alignment		99.7	32	PDB header: immune system Chain: F: PDB Molecule: polymeric-immunoglobulin receptor; PDBTitle: crystal structure of a ligand-binding domain of the human2 polymeric ig receptor, pigr
10	c1xedE_	 Alignment		99.7	32	PDB header: immune system Chain: E: PDB Molecule: polymeric-immunoglobulin receptor; PDBTitle: crystal structure of a ligand-binding domain of the human2 polymeric ig receptor, pigr
11	c3chnS_	 Alignment		99.7	33	PDB header: immune system Chain: S: PDB Molecule: secretory component; PDBTitle: solution structure of human secretory iga1

12	c1xedA	Alignment		99.7	31	PDB header: immune system Chain: A: PDB Molecule: polymeric-immunoglobulin receptor; PDBTitle: crystal structure of a ligand-binding domain of the human2 polymeric ig receptor, pigr
13	d1xeda	Alignment		99.7	31	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
14	d1u9ka	Alignment		99.6	20	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
15	d1smoa	Alignment		99.6	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
16	c3biaX	Alignment		99.6	13	PDB header: immune system Chain: X: PDB Molecule: t-cell immunoglobulin and mucin domain- PDBTitle: tim-4 in complex with sodium potassium tartrate
17	c2or8A	Alignment		99.5	16	PDB header: immune system Chain: A: PDB Molecule: hepatitis a virus cellular receptor 1 homolog; PDBTitle: tim-1
18	c2oypA	Alignment		99.5	19	PDB header: signaling protein Chain: A: PDB Molecule: hepatitis a virus cellular receptor 2; PDBTitle: t cell immunoglobulin mucin-3 crystal structure revealed a2 galectin-9-independent binding surface
19	c2or7A	Alignment		99.5	18	PDB header: immune system Chain: A: PDB Molecule: t-cell immunoglobulin and mucin domain- PDBTitle: tim-2
20	d1kj2a	Alignment		99.5	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
21	d1ah1a	Alignment	not modelled	99.5	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
22	d1ogad1	Alignment	not modelled	99.4	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
23	d1nfda1	Alignment	not modelled	99.4	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
24	d1qfoa	Alignment	not modelled	99.4	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
25	c2iceS	Alignment	not modelled	99.4	16	PDB header: immune system Chain: S: PDB Molecule: v-set and immunoglobulin domain-containing protein 4; PDBTitle: crig bound to c3c
26	d2cdea1	Alignment	not modelled	99.4	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
27	d2ak4d1	Alignment	not modelled	99.4	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
28	d1u3ha1	Alignment	not modelled	99.4	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
29	d1e4wh1	Alignment	not modelled	99.4	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin

						Family: V set domains (antibody variable domain-like)
30	d1bd2d1	Alignment	not modelled	99.4	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
31	d1hxma1	Alignment	not modelled	99.4	14	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
32	c2xv6D_	Alignment	not modelled	99.4	19	PDB header: viral protein/immune system Chain: D: PDB Molecule: camelid vhh 9; PDBTitle: crystal structure of the hiv-1 capsid protein c-terminal domain2 (146-220) in complex with a camelid vhh.
33	d1ypzf1	Alignment	not modelled	99.3	18	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
34	d2qqnh1	Alignment	not modelled	99.3	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
35	d2b2x1	Alignment	not modelled	99.3	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
36	d1ob1b1	Alignment	not modelled	99.3	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
37	d2esvd1	Alignment	not modelled	99.3	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
38	d2bnqd1	Alignment	not modelled	99.3	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
39	d1cd0a_	Alignment	not modelled	99.3	11	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
40	d1qrnd1	Alignment	not modelled	99.3	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
41	d1i9ea_	Alignment	not modelled	99.3	11	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
42	d2rhea_	Alignment	not modelled	99.3	11	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
43	d1lp9e1	Alignment	not modelled	99.3	14	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
44	c1yc7B_	Alignment	not modelled	99.3	17	PDB header: immune system Chain: B: PDB Molecule: anti-vsg immunoglobulin heavy chain variable PDBTitle: caban33 vhh fragment against vsg
45	d1ieha_	Alignment	not modelled	99.3	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
46	d2gj6d1	Alignment	not modelled	99.3	12	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
47	d1kgcd1	Alignment	not modelled	99.3	14	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
48	d1bjma1	Alignment	not modelled	99.3	9	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
49	d1mjuh1	Alignment	not modelled	99.3	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
50	d1t4kb1	Alignment	not modelled	99.3	21	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
51	d1tvda_	Alignment	not modelled	99.3	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
52	d2cd0a_	Alignment	not modelled	99.3	10	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
53	d1fo0a_	Alignment	not modelled	99.3	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
54	c1ymmD_	Alignment	not modelled	99.3	16	PDB header: immune system Chain: D: PDB Molecule: t cell receptor alpha chain; PDBTitle: tcr/hla-dr2b/mbp-peptide complex
55	d1ymmd1	Alignment	not modelled	99.3	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
56	d2nyyd1	Alignment	not modelled	99.3	23	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
						Fold: Immunoglobulin-like beta-sandwich

57	d1rzfl1	Alignment	not modelled	99.3	13	Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
58	d1a6ta1	Alignment	not modelled	99.3	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
59	c3a6bH	Alignment	not modelled	99.3	12	PDB header: immune system/hydrolase Chain: H: PDB Molecule: ig vh, anti-lysozyme; PDBTitle: crystal structure of hyhel-10 fv mutant ln32d complexed with hen egg2 white lysozyme
60	d1nfde1	Alignment	not modelled	99.3	14	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
61	d1ac6a	Alignment	not modelled	99.3	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
62	c1d9kE	Alignment	not modelled	99.3	17	PDB header: immune system Chain: E: PDB Molecule: t-cell receptor d10 (alpha chain); PDBTitle: crystal structure of complex between d10 tcr and pmhc i-ak/ca
63	d2r0kh1	Alignment	not modelled	99.3	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
64	d2qsc1	Alignment	not modelled	99.3	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
65	d1jnh1	Alignment	not modelled	99.3	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
66	c2pkdC	Alignment	not modelled	99.3	12	PDB header: signaling protein Chain: C: PDB Molecule: slam family member 5; PDBTitle: crystal structure of cd84: insite into slam family function
67	d1lotsc1	Alignment	not modelled	99.3	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
68	d2ck0h1	Alignment	not modelled	99.3	20	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
69	d2fb41	Alignment	not modelled	99.3	11	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
70	d1h5ba	Alignment	not modelled	99.3	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
71	d2nxyb1	Alignment	not modelled	99.3	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
72	d1fgvh	Alignment	not modelled	99.3	21	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
73	d1yedb1	Alignment	not modelled	99.3	18	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
74	d1a7q1	Alignment	not modelled	99.3	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
75	d2arjb1	Alignment	not modelled	99.3	14	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
76	c1nfdA	Alignment	not modelled	99.3	15	PDB header: complex (immunoreceptor/immunoglobulin) Chain: A: PDB Molecule: n15 alpha-beta t-cell receptor; PDBTitle: an alpha-beta t cell receptor (tcr) heterodimer in complex with an2 anti-tcr fab fragment derived from a mitogenic antibody
77	d3bp5a1	Alignment	not modelled	99.3	21	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
78	d2q5ra1	Alignment	not modelled	99.3	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
79	d1n0xl1	Alignment	not modelled	99.3	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
80	d1mh5b1	Alignment	not modelled	99.3	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
81	d1igmh	Alignment	not modelled	99.3	20	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
82	d1a4jb1	Alignment	not modelled	99.2	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
83	d2mpah1	Alignment	not modelled	99.2	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
84	d1u6ah1	Alignment	not modelled	99.2	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)

85	d1mimh1	Alignment	not modelled	99.2	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
86	d1mexh1	Alignment	not modelled	99.2	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
87	d1w72h1	Alignment	not modelled	99.2	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
88	d2icwj1	Alignment	not modelled	99.2	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
89	d2brrl1	Alignment	not modelled	99.2	11	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
90	d1ndmb1	Alignment	not modelled	99.2	12	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
91	d1f2xk_	Alignment	not modelled	99.2	21	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
92	d1hila1	Alignment	not modelled	99.2	14	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
93	d2qr0a1	Alignment	not modelled	99.2	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
94	cli3gH_	Alignment	not modelled	99.2	15	PDB header: antibiotic Chain: H: PDB Molecule: antibody fv fragment; PDBTitle: crystal structure of an ampicillin single chain fv, form 1,2 free
95	d1q1jl1	Alignment	not modelled	99.2	14	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
96	d1otsd1	Alignment	not modelled	99.2	8	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
97	d2h1ph1	Alignment	not modelled	99.2	18	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
98	d1dbjh1	Alignment	not modelled	99.2	14	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
99	d1q9ra1	Alignment	not modelled	99.2	14	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
100	c2ak4N_	Alignment	not modelled	99.2	14	PDB header: immune system Chain: N: PDB Molecule: sb27 t cell receptor alpha chain; PDBTitle: crystal structure of sb27 tcr in complex with hla-b*3508-2 13mer peptide
101	d1d9ka_	Alignment	not modelled	99.2	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
102	d2agjl1	Alignment	not modelled	99.2	11	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
103	c2vyrE_	Alignment	not modelled	99.2	20	PDB header: immune system Chain: E: PDB Molecule: human single domain antibody; PDBTitle: structure of human mdm4 n-terminal domain bound to a single2 domain antibody
104	d2p49b1	Alignment	not modelled	99.2	20	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
105	c1oazH_	Alignment	not modelled	99.2	19	PDB header: immune system Chain: H: PDB Molecule: immunoglobulin e; PDBTitle: ige fv spe7 complexed with a recombinant thioredoxin
106	c4eigB_	Alignment	not modelled	99.2	18	PDB header: oxidoreductase/immune system Chain: B: PDB Molecule: ca1698 camel antibody fragment; PDBTitle: ca1698 camel antibody fragment in complex with dhfr
107	d1lp9f1	Alignment	not modelled	99.2	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
108	c4gftB_	Alignment	not modelled	99.2	17	PDB header: protein binding Chain: B: PDB Molecule: nanobody; PDBTitle: malaria invasion machinery protein-nanobody complex
109	c2ol3A_	Alignment	not modelled	99.2	12	PDB header: immune system Chain: A: PDB Molecule: bm3.3 t-cell receptor alpha-chain; PDBTitle: crystal structure of bm3.3 scfv tcr in complex with pbm8-h-2kbm8 mhc2 class i molecule
110	d1sbs1	Alignment	not modelled	99.2	21	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
111	d1fh5h1	Alignment	not modelled	99.2	20	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
112	d1hi6b1	Alianment	not modelled	99.2	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin

					Family: V set domains (antibody variable domain-like)
113	d1f3dh1	Alignment	not modelled	99.2	15 Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
114	d2j4wl1	Alignment	not modelled	99.2	12 Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
115	c3pl6C_	Alignment	not modelled	99.2	17 PDB header: immune system Chain: C: PDB Molecule: t-cell receptor alpha chain; PDBTitle: structure of autoimmune tcr hy.1b11 in complex with hla-dq1 and mbp2 85-99
116	d1oaqh_	Alignment	not modelled	99.2	19 Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
117	d1b88a_	Alignment	not modelled	99.2	16 Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
118	d1xiwd_	Alignment	not modelled	99.2	20 Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
119	d1fj1b1	Alignment	not modelled	99.2	19 Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)
120	d1jgul1	Alignment	not modelled	99.2	13 Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: V set domains (antibody variable domain-like)