

**Testing set of pairwise alignments for sequence alignment.**  
Alignments can be downloaded [here](#)

Chain A	ChainB	Length chain A	Length chain B	Structural overlap	Seq. Id (%)	RMSD
1fy7A	1mjaA	273	272	272	99.26	0.3300
1e4mM	1dwhM	499	499	499	99.80	0.0100
1xun_	1xulC	180	182	182	47.49	0.4400
1fi8C	1fi8E	78	76	76	93.33	1.6600
1i4uA	1h91B	181	180	180	98.88	0.2200
1kk1A	1kk3A	397	398	398	98.74	0.8100
8prkB	1hukA	282	281	281	97.14	0.5000
1f8eA	1nmbN	388	388	388	96.12	0.3200
2ahjB	1ahjD	211	212	212	99.52	0.3900
1lyvA	1ytn_	283	283	283	99.65	0.3400
1maz_	1af3_	143	145	145	97.86	1.6200
1eg8A	1qk0A	360	363	363	48.04	0.9000
1dgi1	1piv1	288	279	279	79.78	1.2700
1b12A	1kn9C	239	234	234	96.96	1.5100
1d2qA	1d0gA	134	151	151	93.33	1.9300
1fhp3	1qgc3	220	219	219	83.49	0.9100
4sbvC	1smvC	222	222	222	64.71	0.4900
1gvuA	2er0E	328	330	330	99.39	0.6800
1a4wH	1avgH	248	259	259	91.09	0.8300
1jew2	1h8tB	256	252	252	77.29	0.9200
1koe_	1dy2A	172	168	168	63.47	0.7000
1fds_	1fduC	282	285	285	98.57	1.2300
2ren_	1bimB	320	333	333	97.14	1.7300
3b5c_	1iccB	85	87	87	65.48	1.0700
1eouA	1keqB	258	238	238	54.47	1.0900
1bwvA	1bxnA	471	445	445	76.75	0.9900
1ejrC	1ie7C	552	569	569	62.66	1.2000
1ce1L	1cu4L	211	219	219	53.81	1.6300
1npk_	1bhnA	150	151	151	61.07	1.1600
1cz8H	3fctD	218	216	216	72.86	1.4000
1t1dA	1dsxH	100	87	87	87.21	0.5400
1hfc_	1mmpA	157	166	166	55.48	1.3100
1qqqA	1synB	259	264	264	93.41	1.2800
1yaiA	2apsB	151	155	155	61.07	1.6600
1eumA	1krqA	161	165	165	46.88	0.9000
1hfuA	1kyaC	500	499	499	58.76	1.5300
1j71A	1zap_	334	341	341	60.12	1.3400
1j8uA	2tohA	307	335	335	63.91	1.0300
1jv4A	2a2uA	157	158	158	62.82	1.0900
1cglB	1i76A	157	163	163	64.90	1.9100
1bcpB	1prtC	197	196	196	70.77	1.0000
1qmeA	1k25A	558	556	556	88.11	1.7200
1d9xA	1d9zA	590	590	590	99.83	0.5700
1iakA	1jk8A	182	181	181	71.67	0.7700
1tnx_	1a2xA	145	158	158	79.69	1.7800
1a37A	1a4oB	195	197	197	85.34	2.0000

1aq0A	1ghsB	306	306	306	50.33	1.2200
1dpjA	1fq4A	329	329	329	99.70	1.3400
1jsdB	1jsnB	160	160	160	62.26	1.0600
1mtm_	1ci1A	241	248	248	70.29	1.3100
1gqvA	1qmtA	135	134	134	62.31	1.8900
1noa_	2mcm_	113	112	112	45.45	1.4700
1k7wA	1i0aB	449	444	444	85.78	0.9500
1f7zA	1npmA	213	223	223	42.23	1.6800
1hw3A	2tsrA	259	281	281	89.58	1.2800
1fsc_	1qm7A	61	61	61	74.58	1.5200
2lisA	3lynB	131	124	124	67.48	1.0000
1eaxA	1bmlB	241	250	250	40.54	1.8500
1m1dA	1cm0A	163	162	162	51.28	1.3400
1qc5A	1aoxB	192	201	201	51.83	0.7900
1faeA	1l1yD	629	642	642	59.34	1.4200
1a7s_	1hneE	221	218	218	42.86	1.7900
1irdB	1mniB	146	153	153	23.61	1.9200
1skyB	1cowB	479	487	487	58.77	1.3500
1b9oA	1f6sA	123	122	122	74.17	1.2000
1ek0A	1g17A	168	168	168	41.98	1.7300
1bfmB	1id3D	69	93	93	29.41	1.7900
1dn1A	1g79A	195	199	199	93.81	1.1400
1bvmA	5p2pB	123	119	119	76.92	1.7500
1mc2A	1bbc_	122	124	124	42.98	1.6500
1g20E	1cp2A	259	269	269	68.11	1.9500
7taa_	2aaa_	476	476	476	66.95	0.8800
2tmnE	1npc_	316	317	317	72.70	0.9100
1i7uA	1c42A	275	268	268	38.64	1.5200
1ljfA	1nkhA	129	123	123	31.97	1.9100
1g21A	1gl1A	235	239	239	28.00	2.0000
1ijtA	1ev2C	128	130	130	44.00	1.4700
1dem_	1brcl	60	56	56	34.55	1.4200
1igkl	1e29A	129	135	135	46.09	1.1900
1ntx_	1qkdA	60	62	62	66.10	1.7100
1ktpA	1liaK	162	164	164	40.25	1.3700
1autC	1k1mA	240	223	223	34.26	1.9700
1jltA	1cl5B	122	121	121	54.17	1.3800
1ktpA	1kn1A	162	160	160	28.66	1.8900
1jjiA	1pmpC	133	131	131	56.15	1.0500
1fzqA	1e0sA	176	173	173	45.29	1.7700
1kkml	1j6tB	86	85	85	31.71	1.2600
1sidE	1sva5	367	347	347	54.44	2.0000
1ca1_	1khoB	370	370	370	82.91	1.5500
1g61A	1g62A	225	224	224	31.82	1.9300
1a6m_	1g0bB	151	146	146	23.61	1.8400
1gd9A	1bkgC	388	382	382	41.18	1.9200
1hgoA	1g6wB	221	242	242	88.94	1.6900
1xnb_	1enxA	185	190	190	50.57	1.9900
1gl5A	1jo8A	67	58	58	35.71	1.9400
1rnu_	2rnfA	116	120	120	47.71	1.9600
1cipA	1fqjD	316	315	315	78.34	1.2700
1iruA	1fntA	244	238	238	54.98	1.7200
1k5yY	1giyW	59	64	64	29.31	1.4900

1qlaB	1kfyN	239	243	243	26.18	1.8700
1kkmJ	1j6tB	86	85	85	31.71	1.2400
1dn0B	1deeF	216	223	223	65.73	1.9900
1irdB	1k0yC	146	141	141	42.03	1.8800
1rdo1	1kje_	111	113	113	23.64	1.3300
1c5cL	1gc1L	214	213	213	78.10	1.1500
1rnfB	4srnA	120	113	113	39.81	1.9700
2kinB	3kinD	100	115	115	98.95	1.6300
1spzZ	1deeH	58	54	54	79.25	1.6600
1axtH	1blnB	218	218	218	82.63	1.6200
1mc2A	1gmzA	122	119	119	61.02	1.8700
1ceqA	1ldnD	304	316	316	28.38	1.7700
1dzkB	2a2gB	148	158	158	31.69	1.9900
1huqA	721p_	164	166	166	29.19	1.6900
1je0A	1ecpD	226	237	237	29.55	1.9600
1jglH	1hilD	206	213	213	66.00	1.9900
1jegA	1nyg_	60	58	58	33.93	1.9300
1fbaA	1f2jA	360	357	357	47.09	1.4300
1l3nB	1xsoB	153	150	150	65.77	1.6400
1bueA	1i2sB	265	255	255	41.50	1.7800
1ln1A	1ln2A	203	197	197	87.76	1.4000
1le8B	1ig7A	74	58	58	29.09	1.9900
1guwA	1kneA	73	52	52	64.71	0.9900
1clf_	1bd6_	55	77	77	44.44	1.5400
1ayk_	1jj9A	169	158	158	65.81	1.8900
1jtrB	1nfdD	237	239	239	67.80	1.6900
2axx_	1ehbA	94	82	82	92.59	1.3800
1k5wA	3rpbA	148	140	140	39.42	1.6100
1vltA	2asr_	142	142	142	68.12	1.7300
2eifA	1fh4A	133	153	153	28.79	1.7000
1jp5A	1mpaL	232	219	219	84.91	0.5400
1ei7A	1vtmP	158	158	158	72.55	1.9100
1ayg_	351c_	80	82	82	55.70	1.1100
2ligA	2asr_	157	142	142	67.65	1.3500
1gzqA	1cd1C	277	273	273	49.44	1.9000
1gpoM	1nsnL	218	217	217	80.09	1.5000
1de3A	1jbsB	150	149	149	85.14	1.8600
1l6xA	1fccA	207	206	206	96.59	1.3600
1a4iA	1b0aA	285	287	287	42.81	1.8800
1bta_	1b2uE	89	80	80	87.34	1.5700
1dfIA	1br1G	772	787	787	53.90	1.9900
2nllB	1kb2B	103	85	85	45.24	1.1300
1bisA	1c6vD	146	142	142	53.68	1.7000
1gpoM	1igaC	218	214	214	58.96	1.9100
1lcf_	1f9bA	691	689	689	74.45	1.5600
1eq9A	1k1IA	222	223	223	31.46	2.0000
1a5e_	1d9sA	156	136	136	86.40	1.5600
1bnr_	1goyA	110	108	108	79.44	1.4500
1c5cH	1gafH	215	217	217	81.69	1.7300
1lqh_	1djtB	65	64	64	82.54	1.2800
1cltM	1jgzM	306	302	302	74.25	1.5100
1isaA	1gv3A	192	213	213	44.50	1.9700
1e4xH	1mlcD	216	218	218	78.60	1.7000

1qkzL	1deeA	214	214	214	58.05	1.9300
2fcbA	1fnlA	173	173	173	47.88	1.9200
1e11B	1efpB	230	246	246	32.89	1.5800
1m14A	1gjoA	307	280	280	34.70	1.8000
1crp_	1guaA	166	167	167	56.71	1.9000
2sxl_	1h2vZ	88	93	93	22.50	2.0000
1b4kA	1h7nA	326	340	340	36.65	1.7700
1jufA	1a9bA	276	277	277	72.36	1.6600
1qksA	1n90B	559	539	539	67.39	1.6300
1trb_	1vdc_	316	322	322	44.92	1.9100
1ark_	1prlC	60	56	56	34.55	1.7000
1hwa_	1bb6_	129	129	129	60.63	1.8000
1bxbB	1kewB	344	361	361	74.77	1.9300
1jv4A	1e00B	157	148	148	26.76	1.9000
1iodB	1c3aB	123	125	125	50.00	1.6300
1iilG	1evtC	215	191	191	76.37	1.9400
1l7iH	1knoF	222	220	220	64.38	1.9900
5hck_	1ckaA	61	57	57	34.55	1.6700
1a1iA	1g2dC	85	89	89	79.76	1.4500
1f7sA	1cfyB	124	133	133	39.83	1.5300
2ctx_	1ntn_	71	72	72	64.18	1.5000
1ehrA	1ehuA	104	104	104	99.03	1.4400
1bf0_	2ptcl	60	58	58	33.33	1.7500
1k82A	1l2bA	260	264	264	42.06	1.9600
1f70A	1tnp_	76	90	90	68.49	1.9400
2axx_	1awpA	94	86	86	59.76	1.5600
1qk5B	1bzyD	217	214	214	37.30	1.6200
1jsdA	1jsoA	317	321	321	46.79	1.6300
1alvB	1aj5A	173	173	173	93.02	1.7900
1bc8C	1k7aA	93	104	104	51.11	1.6400
1vom_	1mma_	730	719	719	96.67	1.8300
1eiiA	1kqwA	134	134	134	73.48	1.8500
1j5dA	1plb_	98	97	97	52.63	1.7900
1g2lB	1jbuL	55	54	54	39.22	1.5400
1kpgA	1kphD	276	285	285	88.36	1.4600
1kluB	1jl4B	190	185	185	63.13	1.6500
1ge8A	1axcA	238	249	249	25.53	1.9700
1e5pC	1a3yA	144	149	149	30.07	1.8900
1eigA	1m8aB	73	61	61	27.12	1.8500
1obeL	1kc5L	212	214	214	56.87	1.8300
1autC	1ca8B	240	249	249	41.78	1.9800
1danT	1jrhl	75	95	95	24.66	1.8100
1dwmA	1cseI	69	63	63	34.43	1.8900
1l3kA	1cvjD	163	161	161	23.08	1.5400
1cdf_	1ncfB	121	142	142	24.79	2.0000
1kflF	1hfbD	342	342	342	53.47	1.6900
1qnkB	1plfD	69	65	65	45.31	1.6400
2trcP	1a0rP	212	188	188	83.43	1.4700
7ahlA	1pvl_	293	298	298	26.72	2.0000
1h3oB	1hq3H	71	84	84	25.71	1.9700
1dd9A	1eqnC	310	306	306	88.41	1.7600
1hloA	1mdyA	80	68	68	26.23	1.5000
1i74B	1k23A	304	302	302	60.00	1.9800

1fs0E	1e79H	128	131	131	22.22	1.9800
1jn1C	1gx1C	157	153	153	74.05	1.9800
1hdp_	1du0A	63	53	53	23.08	1.7900
1dzbA	1himM	222	214	214	49.57	1.8500
1qs0B	1dtwB	328	326	326	44.63	1.8700
1bjmB	3bjlA	216	216	216	99.10	0.9300
1fuuB	1hv8A	369	353	353	29.74	1.8300
1au7A	1e3oC	130	132	132	57.14	1.6200
1h8nA	1i8mA	217	213	213	52.04	0.8500
1hn2A	1dzmB	159	147	147	41.59	1.7200
1i1cA	1lnuG	205	182	182	22.50	1.8800
1mux_	2scpB	148	174	174	23.44	1.9600
1zbdA	821p_	171	166	166	29.63	1.8400
1lmkG	1iqwH	238	221	221	68.60	1.7400
1ahr_	1qivA	146	144	144	98.63	1.3400