

lkid	193	434	75	39	0.90	2.64	74	30	0.82	3.13	4	0	0.64	6.06	70	0	0.81	3.59	4	4
lguu	50	45	32	0	0.86	1.48	31	0	0.44	4.84	0	0	0.85	1.67	32	0	0.48	4.39	0	0
lihz	136	309	33	40	0.88	1.90	33	24	0.83	2.38	0	16	0.81	3.44	33	22	0.78	3.17	0	6
lrw1	111	160	49	16	0.88	1.59	44	13	0.73	2.85	0	0	0.55	7.49	42	0	0.70	3.14	0	0
lg2r	94	159	35	16	0.88	2.22	36	18	0.74	3.09	0	0	0.67	3.62	35	0	0.67	3.35	0	0
la3a	145	325	53	28	0.92	1.47	55	12	0.89	1.73	4	6	0.87	1.84	49	8	0.88	1.77	0	0
liwd	215	549	50	40	0.93	1.61	41	25	0.93	1.56	4	0	0.67	5.88	42	0	0.91	1.77	4	13
lc44	123	247	45	29	0.88	1.67	43	23	0.79	2.64	0	4	0.75	3.78	41	26	0.74	3.44	0	0
lim5	179	438	44	38	0.93	1.53	44	22	0.89	2.05	4	18	0.74	5.62	46	15	0.89	1.96	0	0
lroa	111	248	16	56	0.85	1.81	16	46	0.74	2.92	0	16	0.67	4.32	17	0	0.77	2.67	0	4
lc52	131	236	57	14	0.91	1.43	54	14	0.84	1.98	0	0	0.33	12.49	46	0	0.81	2.34	0	0
ljfu	176	417	53	35	0.93	1.42	53	27	0.90	1.78	0	11	0.61	7.33	49	0	0.88	1.92	0	8
ltzv	141	190	97	0	0.92	1.65	93	0	0.77	3.37	4	0	0.76	3.94	92	0	0.71	3.77	4	0
ljvw	160	349	46	40	0.91	1.67	46	33	0.80	3.00	0	12	0.42	10.69	43	0	0.74	4.19	0	0
lo1z	226	500	78	51	0.94	1.53	72	40	0.90	2.11	8	10	0.55	11.03	71	12	0.88	2.25	0	8
li71	83	178	0	10	0.80	2.22	0	0	0.78	2.05	0	0	0.59	4.41	0	0	0.79	2.71	0	0
Avg	147	319	45	35	0.89	1.70	43	27	0.81	2.52004	2	6	0.63	6.30	41	7	0.79	2.75	1	5

Supplemental Table 2. The detailed prediction results of the first stage and the second stage of CONFOLD on FRAGFOLD dataset.

PDB	Native			stage 1			CONFOLD		
	L	H	E	TM-score	H	E	TM-score	H	E
1a3aA	145	53	28	0.650	63	0	0.697	63	8
1a6mA	151	112	0	0.576	103	0	0.610	108	0
1a70A	97	13	33	0.409	8	0	0.443	7	0
1aapA	56	8	14	0.485	8	0	0.492	8	10
1abaA	87	30	16	0.533	30	4	0.559	19	8
1ag6A	99	4	35	0.439	8	0	0.435	0	8
1aoeA	192	39	65	0.572	28	0	0.626	31	20
1atlA	200	72	39	0.372	53	0	0.363	42	16
1atzA	75	26	21	0.634	27	4	0.620	28	12
1avsA	81	51	4	0.674	53	0	0.678	54	0
1bdoA	80	0	36	0.519	6	4	0.523	5	0
1bebA	156	15	66	0.310	16	0	0.305	13	6
1behA	184	14	49	0.348	4	0	0.336	13	4
1bkrA	108	58	0	0.622	48	0	0.705	50	0
1brfA	53	0	10	0.369	0	0	0.371	0	0
1bsgA	266	109	44	0.647	81	0	0.735	102	0
1c44A	123	45	29	0.367	22	0	0.386	32	0
1c52A	131	57	14	0.481	59	0	0.484	59	0
1c9oA	66	0	40	0.443	0	0	0.469	0	0
1cc8A	72	21	26	0.661	24	4	0.720	24	12
1chdA	198	57	47	0.729	62	18	0.760	62	16
1cjqA	166	44	47	0.604	41	0	0.610	48	10
1ckeA	212	101	38	0.567	85	0	0.645	88	10
1ctfA	68	35	18	0.606	28	0	0.582	29	0
1cxyA	81	19	16	0.443	27	0	0.455	26	0
1cznA	169	46	37	0.493	40	0	0.603	65	6
1d0qA	102	36	17	0.570	26	8	0.617	23	9
1d1qA	159	56	23	0.664	62	0	0.745	61	16
1d4oA	177	58	30	0.340	39	0	0.411	31	0
1dbxA	152	39	38	0.469	39	0	0.581	21	14
1dixA	208	52	40	0.303	46	0	0.300	24	0
1dlwA	116	73	0	0.570	82	0	0.654	81	0
1dmgA	172	76	30	0.365	43	0	0.400	48	7
1dqqA	134	0	42	0.259	0	0	0.268	0	4
1dsxA	87	30	18	0.357	18	0	0.373	22	0
1eazA	103	21	39	0.685	18	4	0.707	16	31
1ej0A	180	67	50	0.608	56	0	0.594	53	0
1ej8A	140	0	72	0.265	0	0	0.289	4	4
1ek0A	168	47	46	0.714	37	8	0.735	45	6
1f6bA	176	43	38	0.550	32	4	0.553	37	18
1fcyA	236	148	8	0.322	115	0	0.325	90	0
1fk5A	93	51	0	0.339	28	4	0.394	40	0
1fl0A	164	4	61	0.352	12	8	0.419	13	24
1fnaA	91	0	42	0.574	0	11	0.597	0	27

lfqtA	109	0	44	0.632	0	4	0.677	0	28
lfvgA	192	49	35	0.629	34	4	0.633	47	6
lfvkA	188	95	20	0.357	50	0	0.424	64	0
lfx2A	112	58	17	0.434	47	0	0.434	58	10
lg2rA	94	35	16	0.517	35	0	0.581	36	6
lg9oA	91	13	31	0.522	10	8	0.571	14	13
lgbsA	185	92	4	0.463	76	0	0.476	86	0
lgniA	135	8	74	0.473	10	6	0.512	6	21
lgmxA	107	45	20	0.647	44	11	0.655	38	6
lguuA	50	32	0	0.640	27	0	0.683	27	0
lgz2A	138	21	40	0.596	26	0	0.642	26	11
lgzcA	239	4	101	0.350	0	0	0.333	0	7
lh0pA	182	20	64	0.675	15	0	0.686	20	8
lh2eA	207	73	36	0.753	80	7	0.819	74	31
lh4xA	110	46	36	0.565	47	0	0.646	41	6
lh98A	77	18	12	0.395	14	0	0.395	13	0
lhdoA	205	62	43	0.749	64	19	0.753	58	15
lhfcA	157	40	23	0.488	37	0	0.461	32	4
lhh8A	192	119	6	0.347	95	0	0.396	110	0
lhtwA	158	47	46	0.616	45	0	0.656	48	10
lhxnA	210	15	72	0.264	7	0	0.256	10	0
li1jA	106	0	37	0.265	0	0	0.264	0	0
li1nA	224	65	57	0.644	54	0	0.692	68	18
li4jA	110	38	34	0.527	38	0	0.529	33	0
li58A	189	79	46	0.535	67	14	0.606	67	26
li5gA	144	42	34	0.466	41	0	0.497	39	17
li71A	83	0	10	0.376	0	0	0.364	0	0
lihZ	136	33	40	0.654	34	8	0.658	31	9
liibA	103	50	21	0.623	41	0	0.629	48	0
lim5A	179	44	38	0.562	45	4	0.588	39	4
liwdA	215	50	40	0.651	36	7	0.724	37	14
lj3aA	129	49	17	0.452	45	0	0.550	51	6
ljbeA	126	54	22	0.804	55	8	0.833	58	12
ljbkA	189	84	29	0.332	85	0	0.318	73	0
ljfuA	176	53	35	0.602	56	6	0.616	63	20
ljfxA	217	62	53	0.634	62	4	0.661	62	11
ljxxA	209	68	52	0.635	66	6	0.679	70	29
lj11A	152	53	44	0.658	53	8	0.694	54	10
ljo0A	97	40	20	0.395	39	0	0.435	36	0
ljo8A	58	0	23	0.504	0	0	0.547	0	4
ljosA	100	44	22	0.585	44	0	0.623	44	0
ljvwA	160	46	40	0.518	40	6	0.571	34	8
ljwqA	179	72	39	0.794	62	4	0.793	60	6
ljyhA	155	33	62	0.322	26	0	0.362	35	6
lk6kA	142	89	4	0.626	94	0	0.658	91	0
lk7cA	233	77	33	0.533	72	0	0.522	95	4
lk7jA	206	56	47	0.596	54	0	0.626	53	16
lkidA	193	75	39	0.402	56	4	0.412	68	6
lkq6A	140	47	32	0.354	30	0	0.386	34	0
lkqrA	160	10	90	0.219	8	0	0.230	9	6
lktgA	137	37	60	0.520	30	0	0.586	36	0
lku3A	61	36	0	0.602	36	0	0.660	39	0
lkw4A	70	40	0	0.535	37	0	0.520	17	0
llm4A	189	39	43	0.615	51	4	0.638	50	14
llo7A	140	32	62	0.496	30	13	0.566	30	15
llpyA	162	101	14	0.518	83	0	0.568	87	0
lm4jA	133	50	40	0.304	33	0	0.333	38	0
lm8aA	61	10	17	0.417	8	0	0.502	15	6
lmk0A	97	38	21	0.332	35	0	0.394	37	0
lmugA	165	53	28	0.372	53	0	0.378	61	0
lnb9A	147	31	44	0.576	23	4	0.620	25	18
lne2A	176	63	53	0.404	47	4	0.455	48	4
lnpsA	88	6	40	0.441	4	0	0.507	6	12
lnrvA	100	18	26	0.506	19	0	0.617	20	17
lny1A	235	96	32	0.526	79	0	0.526	72	4
lo1zA	226	78	51	0.561	64	0	0.638	59	4
lp90A	123	36	36	0.521	36	0	0.485	37	0
lpchA	88	32	22	0.685	34	11	0.688	32	14
lpkoA	124	0	60	0.490	4	0	0.545	0	20
lqf9A	194	104	29	0.677	99	0	0.692	106	4

lqjpA	137	0	107	0.451	0	0	0.556	0	34
lql0A	241	41	47	0.335	40	0	0.385	37	6
lr26A	113	43	28	0.689	36	8	0.736	37	18
lroaA	111	16	56	0.382	16	0	0.413	17	0
lrw1A	114	57	16	0.594	48	0	0.692	43	0
lrw7A	235	73	33	0.513	58	4	0.595	52	4
lrybA	186	61	40	0.629	58	0	0.720	56	4
lsmxA	87	0	29	0.287	8	0	0.283	19	0
lsvyA	101	23	26	0.423	25	0	0.407	22	0
lt8kA	77	42	0	0.664	45	0	0.646	41	0
ltifA	76	24	22	0.458	24	0	0.517	23	0
ltqgA	105	88	0	0.743	79	0	0.768	78	0
ltqhA	242	109	34	0.646	82	12	0.671	97	14
ltzvA	141	97	0	0.742	89	0	0.735	98	0
lvfyA	67	12	16	0.336	10	0	0.374	10	0
lvhuA	192	76	41	0.656	70	4	0.666	74	10
lvjkA	87	17	22	0.568	24	0	0.614	25	13
lvmbA	107	36	47	0.502	31	0	0.549	36	4
lvp6A	133	51	33	0.609	41	0	0.724	42	8
lw0hA	200	70	35	0.690	69	6	0.699	69	10
lwHiA	122	10	39	0.395	8	0	0.466	7	10
lwjxA	112	19	51	0.567	18	12	0.595	6	12
lwkcA	168	44	41	0.641	38	0	0.681	37	8
lxdzA	238	92	53	0.534	96	13	0.544	93	7
lxffA	238	52	79	0.627	52	0	0.689	69	34
lxkrA	205	84	56	0.377	77	0	0.407	68	0
2arcA	161	35	55	0.305	30	0	0.287	40	0
2cuaA	122	0	56	0.390	0	0	0.441	0	0
2hs1A	99	4	49	0.397	6	0	0.384	11	0
2mhrA	118	76	0	0.646	82	0	0.662	80	0
2phyA	125	30	35	0.361	36	0	0.390	30	0
2tpsA	226	96	35	0.727	98	15	0.757	103	11
2vxnA	249	98	39	0.706	114	0	0.754	108	12
3borA	194	84	28	0.711	69	0	0.759	61	6
3dqgA	148	18	57	0.455	36	0	0.457	26	9
5ptpA	222	16	72	0.777	19	16	0.823	21	25
Avg	146	45	35	0.519	41	2	0.551	41	7