

# CASP16\_TWO-STATE\_TABLES

Tiburon Leon Benavides

June 2nd 2025

Supplementary Table S1: Results for T1214 Sigma4 Score

Group	Group_Name	$\Sigma_4$ Score	Model	Group	Group_Name	$\Sigma_4$ Score	Model
TS015	PEZYZFoldings	94.57	5	TS079	MRAFold	83.96	5
TS386	ShanghaiTech-Ligand	93.06	4	TS293	MRAH	83.94	2
TS298	ShanghaiTech-human	93.06	4	TS167	OpenComplex	83.89	2
TS208	falcon2	91.87	4	TS450	OpenComplex_Server	83.89	5
TS462	Zheng	91.28	6	TS301	GHZ-MAN	83.89	2
TS408	SNU-CHEM-lig	91.27	1	TS345	MULTICOM_human	83.67	4
TS055	LCDD-team	91.08	5	TS075	GHZ-ISM	83.64	2
TS465	Wallner	90.37	3	TS284	Unicorn	83.64	2
TS022	Yang	90.34	4	TS369	Bhattacharya	83.49	1
TS202	test001	89.85	5	TS122	MQA_server	83.38	4
TS110	MIEnsembles-Server	88.32	2	TS017	Seder2024hard	83.35	3
TS388	DeepFold-server	86.98	4	TS145	colabfold_baseline	83.35	5
TS423	ShanghaiTech-server	86.44	1	TS051	MULTICOM	83.25	3
TS091	Huang-HUST	86.29	2	TS331	MULTICOM_AI	83.25	3
TS147	Zheng-Multimer	86.18	1	TS235	isyslab-hust	82.77	3
TS287	plmfold	86.00	1	TS198	colabfold	82.72	4
TS102	Psi-Phi	85.96	5	TS400	OmniFold	82.42	1
TS375	milliseconds	85.87	3	TS272	GromihaLab	82.13	3
TS148	Guijunlab-Complex	85.76	5	TS464	PocketTracer	81.90	3
TS264	GuijunLab-Human	85.76	1	TS269	CSSB_server	71.94	3
TS312	GuijunLab-Assembly	85.76	1	TS221	CSSB_FAKER	71.91	3
TS314	GuijunLab-PAthreader	85.76	1	TS419	CSSB-Human	71.91	3
TS393	GuijunLab-QA	85.76	1	TS020	comppharmunibas	71.72	3
TS227	KUMC	85.67	3	TS052	Yang-Server	71.63	1
TS425	MULTICOM_GATE	85.50	2	TS456	Yang-Multimer	70.91	5
TS319	MULTICOM.LLM	85.50	3	TS139	DeepFold-refine	70.50	6
TS014	Cool-PSP	85.21	5	TS059	DeepFold	70.50	6
TS311	RAGfold_Prot1	85.14	4	TS204	Zou	70.20	5
TS207	MULTICOM_ligand	85.04	2	TS262	CoDock	69.28	3
TS164	McGuffin	84.86	1	TS120	Cerebra	59.52	6
TS225	TS225	84.86	1	TS039	arosko	50.57	3
TS163	MultiFOLD2	84.86	1	TS286	CSSB_experimental	49.37	2
TS294	KiharaLab	84.67	2	TS274	kozakovvajda	47.92	3
TS196	HYU_MLLAB	84.52	4	TS494	ClusPro	47.92	3
TS475	ptq	84.45	3	TS040	DELCLAB	47.44	3
TS019	Zheng-Server	84.23	1	TS275	Seminole	39.89	1
TS267	kiharalab_server	84.18	2	TS461	forlilab	36.42	2
TS304	AF3-server	84.17	2	TS361	Cerebra_server	32.74	1
TS241	elofsson	84.17	2	TS132	profold2	6.57	1

Supplementary Table S2: Results for M1228 TMscore Two-State Score

Group	Group_Name	Two-State_Score	V1_TMscore	V2_TMscore	V1_Model	V2_Model
TS028	NKRNA-s	1.56	0.80	0.76	TS028_v2_5	TS028_v1_5
TS462	Zheng	1.55	0.77	0.78	TS462_v1_1	TS462_v2_1
TS481	Vfold	1.54	0.74	0.79	TS481_v1_4	TS481_v2_1
TS286	CSSB_experimental	1.52	0.75	0.77	TS286_v2_5	TS286_v1_3
TS091	Huang-HUST	1.50	0.71	0.79	TS091_v2_1	TS091_v1_2
TS052	Yang-Server	1.50	0.69	0.81	TS052_v2_3	TS052_v1_1
TS033	Diff	1.50	0.71	0.79	TS033_v1_5	TS033_v2_2
TS022	Yang	1.50	0.70	0.80	TS022_v1_4	TS022_v2_2
TS450	OpenComplex_Server	1.49	0.79	0.71	TS450_v2_4	TS450_v1_1
TS167	OpenComplex	1.49	0.79	0.71	TS167_v2_4	TS167_v1_1
TS304	AF3-server	1.49	0.71	0.78	TS304_v1_4	TS304_v2_5
TS262	CoDock	1.49	0.80	0.70	TS262_v1_1	TS262_v2_3
TS494	ClusPro	1.46	0.69	0.77	TS494_v2_2	TS494_v1_3
TS274	kozakovvajda	1.46	0.69	0.77	TS274_v2_2	TS274_v1_3
TS456	Yang-Multimer	1.46	0.67	0.78	TS456_v2_3	TS456_v1_1
TS204	Zou	1.45	0.73	0.73	TS204_v1_1	TS204_v2_1
TS241	elofsson	1.44	0.69	0.76	TS241_v1_3	TS241_v2_3
TS110	MIEnsembles-Server	1.44	0.66	0.79	TS110_v1_2	TS110_v2_3
TS294	KiharaLab	1.44	0.72	0.72	TS294_v1_5	TS294_v2_1
TS369	Bhattacharya	1.40	0.72	0.69	TS369_v2_5	TS369_v1_2
TS231	B-LAB	1.40	0.68	0.72	TS231_v1_2	TS231_v2_1
TS208	falcon2	1.37	0.70	0.67	TS208_v2_5	TS208_v1_1
TS489	Fernandez-Recio	1.37	0.67	0.70	TS489_v2_2	TS489_v1_2
TS323	Yan	1.33	0.65	0.68	TS323_v1_1	TS323_v2_1
TS325	405	1.32	0.63	0.69	TS325_v1_1	TS325_v2_1
TS159	406	1.32	0.63	0.69	TS159_v1_1	TS159_v2_1
TS014	Cool-PSP	1.31	0.61	0.71	TS014_v1_4	TS014_v2_5

Supplementary Table S3: Results for T1228 GDT TS Two-State Score

Group	Group_Name	Two-State_Score	V1_GDT_TS	V2_GDT_TS	V1_Model	V2_Model
TS462	Zheng	116.15	63.11	53.04	TS462.v1.3	TS462.v2.5
TS264	GuijunLab-Human	116.01	55.95	60.07	TS264.v1.6	TS264.v2.2
TS147	Zheng-Multimer	115.68	62.31	53.37	TS147.v1.1	TS147.v2.1
TS148	Guijunlab-Complex	114.51	54.45	60.07	TS148.v2.3	TS148.v1.3
TS481	Vfold	112.45	61.80	50.66	TS481.v1.3	TS481.v2.5
TS167	OpenComplex	112.41	57.07	55.34	TS167.v1.1	TS167.v2.3
TS450	OpenComplex_Server	112.41	57.07	55.34	TS450.v1.1	TS450.v2.3
TS022	Yang	112.13	57.21	54.92	TS022.v1.4	TS022.v2.5
TS052	Yang-Server	111.89	59.50	52.39	TS052.v1.4	TS052.v2.2
TS456	Yang-Multimer	110.72	58.33	52.39	TS456.v1.3	TS456.v2.2
TS204	Zou	110.58	62.17	48.41	TS204.v1.1	TS204.v2.2
TS241	elofsson	110.39	58.57	51.83	TS241.v2.1	TS241.v1.2
TS294	KiharaLab	109.41	59.97	49.44	TS294.v2.5	TS294.v1.2
TS091	Huang-HUST	109.18	54.54	54.63	TS091.v1.2	TS091.v2.5
TS033	Diff	108.71	56.88	51.83	TS033.v2.1	TS033.v1.4
TS262	CoDock	108.24	55.90	52.34	TS262.v1.2	TS262.v2.1
TS212	PIEFold_human	107.58	55.10	52.48	TS212.v2.4	TS212.v1.2
TS375	milliseconds	106.98	59.41	47.57	TS375.v2.4	TS375.v1.3
TS028	NKRNA-s	106.69	51.31	55.38	TS028.v1.2	TS028.v2.5
TS301	GHZ-MAN	106.65	55.95	50.70	TS301.v1.3	TS301.v2.4
TS110	MIEnsembles-Server	105.81	52.25	53.56	TS110.v1.2	TS110.v2.5
TS304	AF3-server	104.59	57.73	46.86	TS304.v1.4	TS304.v2.5
TS331	MULTICOM_AI	103.98	56.65	47.33	TS331.v1.2	TS331.v2.4
TS319	MULTICOM_LLM	103.98	56.65	47.33	TS319.v1.2	TS319.v2.4
TS345	MULTICOM_human	103.98	56.65	47.33	TS345.v1.3	TS345.v2.2
TS051	MULTICOM	103.98	56.65	47.33	TS051.v1.3	TS051.v2.2
TS274	kozakovvajda	103.84	56.32	47.52	TS274.v1.2	TS274.v2.2
TS494	ClusPro	103.84	56.32	47.52	TS494.v1.2	TS494.v2.2
TS231	B-LAB	103.60	56.27	47.33	TS231.v2.4	TS231.v1.4
TS314	GuijunLab-PATHreader	103.56	48.55	55.01	TS314.v2.3	TS314.v1.1
TS286	CSSB_experimental	103.46	56.13	47.33	TS286.v1.5	TS286.v2.4
TS425	MULTICOM_GATE	103.18	55.85	47.33	TS425.v1.1	TS425.v2.1
TS198	colabfold	102.58	56.41	46.16	TS198.v2.2	TS198.v1.2
TS419	CSSB-Human	102.29	55.52	46.77	TS419.v2.4	TS419.v1.3
TS221	CSSB_FAKER	102.20	55.57	46.63	TS221.v2.2	TS221.v1.5
TS369	Bhattacharya	102.11	54.82	47.28	TS369.v1.2	TS369.v2.1
TS019	Zheng-Server	101.97	51.69	50.28	TS019.v1.4	TS019.v2.4
TS475	ptq	101.12	58.43	42.70	TS475.v2.5	TS475.v1.2
TS014	Cool-PSP	101.12	58.57	42.56	TS014.v2.6	TS014.v1.6
TS287	plmfold	101.08	54.07	47.00	TS287.v1.2	TS287.v2.1
TS267	kiharalab_server	100.05	54.68	45.37	TS267.v1.1	TS267.v2.5
TS079	MRAFold	99.77	54.82	44.94	TS079.v1.2	TS079.v2.2
TS293	MRAH	99.77	54.82	44.94	TS293.v1.2	TS293.v2.2
TS489	Fernandez-Recio	99.67	55.48	44.20	TS489.v1.2	TS489.v2.2
TS208	falcon2	99.20	54.54	44.66	TS208.v2.5	TS208.v1.1
TS196	HYU_MLLAB	98.74	53.37	45.37	TS196.v1.5	TS196.v2.5
TS312	GuijunLab-Assembly	98.50	53.84	44.66	TS312.v1.1	TS312.v2.2
TS112	Seder2024easy	97.99	54.35	43.63	TS112.v1.4	TS112.v2.3
TS017	Seder2024hard	97.99	54.35	43.63	TS017.v1.5	TS017.v2.5
TS145	colabfold_baseline	97.89	54.35	43.54	TS145.v1.3	TS145.v2.3
TS465	Wallner	97.47	50.00	47.47	TS465.v1.5	TS465.v2.1
TS235	isyslab-hust	96.63	50.80	45.83	TS235.v1.1	TS235.v2.3
TS311	RAGfold_Prot1	96.58	49.86	46.72	TS311.v1.2	TS311.v2.5
TS163	MultiFOLD2	96.02	53.23	42.79	TS163.v1.5	TS163.v2.2
TS015	PEZYFoldings	95.55	51.12	44.43	TS015.v2.2	TS015.v1.5
TS298	ShanghaiTech-human	95.04	54.35	40.68	TS298.v1.1	TS298.v2.3
TS284	Unicorn	94.90	44.20	50.70	TS284.v1.3	TS284.v2.4
TS075	GHZ-ISM	94.90	44.20	50.70	TS075.v1.3	TS075.v2.4
TS122	MQA_server	94.90	44.20	50.70	TS122.v1.3	TS122.v2.4
TS164	McGuffin	94.76	48.03	46.72	TS164.v1.1	TS164.v2.2
TS325	405	94.29	49.34	44.94	TS325.v1.1	TS325.v2.1
TS159	406	94.29	49.34	44.94	TS159.v1.1	TS159.v2.1
TS269	CSSB_server	92.98	50.70	42.27	TS269.v1.1	TS269.v2.1
TS059	DeepFold	91.53	46.91	44.62	TS059.v2.3	TS059.v1.3
TS388	DeepFold-server	89.23	44.10	45.13	TS388.v1.3	TS388.v2.3
TS023	FTBiot0119	85.63	45.79	39.84	TS023.v1.1	TS023.v2.3
TS139	DeepFold-refine	80.15	40.59	39.56	TS139.v1.4	TS139.v2.2
TS120	Cerebra	76.08	38.34	37.73	TS120.v1.4	TS120.v2.1
TS361	Cerebra_server	66.11	32.77	33.33	TS361.v1.1	TS361.v2.1

Supplementary Table S4: Results for M1239 TMscore Two-State Score

Group	Group_Name	Two-State_Score	V1-TMscore	V2-TMscore	V1_Model	V2_Model
TS294	KiharaLab	1.45	0.81	0.64	TS294_v1.1	TS294_v2.3
TS462	Zheng	1.41	0.75	0.66	TS462_v2.3	TS462_v1.1
TS110	MIEnsembles-Server	1.39	0.73	0.66	TS110_v2.5	TS110_v1.1
TS262	CoDock	1.37	0.74	0.63	TS262_v1.3	TS262_v2.4
TS028	NKRNA-s	1.37	0.72	0.64	TS028_v1.5	TS028_v2.1
TS235	isyslab-hust	1.35	0.67	0.68	TS235_v2.4	TS235_v1.5
TS489	Fernandez-Recio	1.33	0.71	0.63	TS489_v2.2	TS489_v1.3
TS481	Vfold	1.32	0.67	0.65	TS481_v1.5	TS481_v2.5
TS204	Zou	1.29	0.64	0.65	TS204_v2.1	TS204_v1.5
TS208	falcon2	1.27	0.67	0.60	TS208_v1.4	TS208_v2.1
TS325	405	1.27	0.64	0.63	TS325_v1.2	TS325_v2.2
TS159	406	1.27	0.64	0.63	TS159_v1.2	TS159_v2.2
TS286	CSSB_experimental	1.27	0.65	0.62	TS286_v1.2	TS286_v2.2
TS033	Diff	1.25	0.65	0.61	TS033_v2.4	TS033_v1.2
TS231	B-LAB	1.25	0.64	0.60	TS231_v1.2	TS231_v2.1
TS091	Huang-HUST	1.23	0.64	0.59	TS091_v2.2	TS091_v1.5
TS369	Bhattacharya	1.22	0.61	0.61	TS369_v2.3	TS369_v1.3
TS167	OpenComplex	1.19	0.57	0.62	TS167_v2.1	TS167_v1.1
TS450	OpenComplex_Server	1.19	0.57	0.62	TS450_v2.1	TS450_v1.1
TS014	Cool-PSP	1.06	0.52	0.54	TS014_v1.5	TS014_v2.4
TS272	GromihaLab	0.77	0.36	0.41	TS272_v2.1	TS272_v1.3
TS241	elofsson	0.69	0.35	0.34	TS241_v1.4	TS241_v2.1
TS304	AF3-server	0.66	0.33	0.33	TS304_v2.4	TS304_v1.1

Supplementary Table S5: Results for T1239 GDT TS Two-State Score

Group	Group_Name	Two-State_Score	V1_GDT_TS	V2_GDT_TS	V1_Model	V2_Model
TS462	Zheng	119.79	70.81	48.98	TS462.v2.2	TS462.v1.1
TS235	isyslab-hust	114.17	71.31	42.85	TS235.v2.4	TS235.v1.1
TS419	CSSB-Human	114.04	71.10	42.94	TS419.v2.1	TS419.v1.5
TS221	CSSB.FAKER	114.04	71.10	42.94	TS221.v2.1	TS221.v1.5
TS028	NKRNA-s	113.49	71.36	42.13	TS028.v2.2	TS028.v1.2
TS345	MULTICOM_human	113.32	71.23	42.09	TS345.v1.4	TS345.v2.5
TS051	MULTICOM	113.32	71.23	42.09	TS051.v1.4	TS051.v2.5
TS286	CSSB_experimental	112.64	69.87	42.77	TS286.v2.1	TS286.v1.2
TS208	falcon2	108.53	66.99	41.54	TS208.v1.4	TS208.v2.4
TS425	MULTICOM_GATE	107.68	63.22	44.46	TS425.v1.2	TS425.v2.4
TS019	Zheng-Server	106.22	54.02	52.20	TS019.v1.5	TS019.v2.5
TS022	Yang	105.14	60.72	44.42	TS022.v1.5	TS022.v2.4
TS204	Zou	104.76	61.23	43.53	TS204.v1.5	TS204.v2.2
TS110	MIEnsembles-Server	104.72	63.01	41.71	TS110.v1.1	TS110.v2.2
TS456	Yang-Multimer	104.50	60.21	44.29	TS456.v1.3	TS456.v2.2
TS147	Zheng-Multimer	103.35	56.27	47.08	TS147.v1.3	TS147.v2.5
TS167	OpenComplex	102.59	54.07	48.52	TS167.v1.5	TS167.v2.3
TS450	OpenComplex_Server	102.59	54.07	48.52	TS450.v1.5	TS450.v2.3
TS294	KiharaLab	101.71	59.58	42.13	TS294.v1.1	TS294.v2.2
TS314	GuijunLab-PATHreader	101.54	58.77	42.77	TS314.v2.5	TS314.v1.2
TS052	Yang-Server	100.05	55.93	44.12	TS052.v1.5	TS052.v2.2
TS481	Vfold	99.67	56.57	43.10	TS481.v2.5	TS481.v1.2
TS091	Huang-HUST	99.24	52.08	47.17	TS091.v1.5	TS091.v2.3
TS319	MULTICOM_LLM	98.53	55.64	42.89	TS319.v1.2	TS319.v2.5
TS262	CoDock	98.36	57.63	40.74	TS262.v1.2	TS262.v2.1
TS033	Diff	97.93	53.94	43.99	TS033.v2.2	TS033.v1.1
TS331	MULTICOM_AI	97.73	55.64	42.09	TS331.v1.2	TS331.v2.2
TS325	405	97.47	55.21	42.26	TS325.v1.2	TS325.v2.2
TS159	406	97.47	55.21	42.26	TS159.v1.2	TS159.v2.2
TS369	Bhattacharya	97.17	54.07	43.10	TS369.v1.4	TS369.v2.4
TS489	Fernandez-Recio	96.71	54.96	41.75	TS489.v1.3	TS489.v2.4
TS298	ShanghaiTech-human	96.00	61.74	34.26	TS298.v1.1	TS298.v2.1
TS212	PIEFold_human	95.91	55.21	40.69	TS212.v2.1	TS212.v1.3
TS241	elofsson	95.14	54.32	40.82	TS241.v1.1	TS241.v2.5
TS231	B-LAB	94.34	54.07	40.27	TS231.v2.1	TS231.v1.2
TS304	AF3-server	94.04	50.89	43.15	TS304.v2.5	TS304.v1.2
TS465	Wallner	92.97	48.14	44.84	TS465.v1.4	TS465.v2.2
TS358	PerezLab_Gators	92.78	54.96	37.82	TS358.v2.2	TS358.v1.4
TS293	MRAH	91.92	49.91	42.01	TS293.v1.2	TS293.v2.3
TS079	MRAFold	91.92	49.91	42.01	TS079.v1.2	TS079.v2.3
TS272	GromihaLab	91.33	50.09	41.24	TS272.v1.1	TS272.v2.1
TS423	ShanghaiTech-server	91.08	51.91	39.17	TS423.v2.4	TS423.v1.1
TS267	kiharalab_server	89.30	50.00	39.30	TS267.v1.1	TS267.v2.4
TS148	Guijunlab-Complex	88.53	48.94	39.59	TS148.v2.5	TS148.v1.4
TS287	plmfold	88.49	49.32	39.17	TS287.v1.3	TS287.v2.4
TS198	colabfold	88.11	50.34	37.77	TS198.v1.2	TS198.v2.1
TS375	milliseconds	87.73	47.16	40.57	TS375.v2.3	TS375.v1.4
TS112	Seder2024easy	86.88	48.09	38.79	TS112.v1.4	TS112.v2.5
TS014	Cool-PSP	86.84	49.49	37.35	TS014.v2.3	TS014.v1.3
TS301	GHZ-MAN	86.84	46.65	40.19	TS301.v2.4	TS301.v1.1
TS163	MultiFOLD2	86.72	48.39	38.33	TS163.v1.3	TS163.v2.3
TS040	DELCLAB	86.50	48.09	38.41	TS040.v1.3	TS040.v2.3
TS145	colabfold_baseline	86.46	47.67	38.79	TS145.v1.2	TS145.v2.1
TS023	FTBiot0119	86.46	47.67	38.79	TS023.v1.2	TS023.v2.1
TS264	GuijunLab-Human	86.20	47.54	38.66	TS264.v2.2	TS264.v1.5
TS312	GuijunLab-Assembly	85.86	46.27	39.59	TS312.v2.4	TS312.v1.4
TS122	MQA_server	85.78	46.65	39.13	TS122.v1.3	TS122.v2.2
TS139	DeepFold-refine	84.76	45.93	38.83	TS139.v1.6	TS139.v2.6
TS059	DeepFold	84.76	45.93	38.83	TS059.v1.6	TS059.v2.6
TS017	Seder2024hard	84.52	48.05	36.46	TS017.v1.5	TS017.v2.4
TS397	smg_ulaval	84.13	45.00	39.13	TS397.v1.1	TS397.v2.1
TS164	McGuffin	83.83	45.47	38.37	TS164.v2.2	TS164.v1.3
TS015	PEZYFoldings	83.79	45.00	38.79	TS015.v1.4	TS015.v2.1
TS196	HYU_MLLAB	78.41	38.94	39.47	TS196.v1.2	TS196.v2.2
TS388	DeepFold-server	75.91	37.92	37.99	TS388.v1.3	TS388.v2.2
TS120	Cerebra	61.43	31.48	29.95	TS120.v1.3	TS120.v2.2
TS475	ptq	49.20	49.20	0.00	TS475.v2.1	N/A <sup>1</sup>
TS351	digiwiser-ensemble	48.73	24.45	24.28	TS351.v1.1	TS351.v2.1
TS269	CSSB_server	48.18	48.18	0.00	TS269.v2.4	N/A <sup>1</sup>
TS075	GHZ-ISM	46.65	46.65	0.00	TS075.v2.4	N/A <sup>1</sup>
TS284	Unicorn	46.65	46.65	0.00	TS284.v2.4	N/A <sup>1</sup>
TS311	RAGfold_Prot1	42.25	42.25	0.00	TS311.v1.1	N/A <sup>1</sup>
TS361	Cerebra_server	31.40	31.40	0.00	TS361.v1.2	N/A <sup>1</sup>
TS105	PFSC-PFVM	4.20	4.20	0.00	TS105.v1.3	N/A <sup>1</sup>

<sup>1</sup> Model either not submitted or not assessed

Supplementary Table S6: Results for T1249 AvgDockQ Two-State Score

Group	Group_Name	Two-State_Score	V1_AvgDockQ	V2_AvgDockQ	V1_Model	V2_Model
TS393	GuijunLab-QA	0.97	0.47	0.50	TS393.v1.3o	TS393.v2.6o
TS304	AF3-server	0.94	0.43	0.51	TS304.v1.2o	TS304.v2.1o
TS314	GuijunLab-PATHreader	0.88	0.37	0.52	TS314.v1.2o	TS314.v2.1o
TS345	MULTICOM_human	0.87	0.69	0.19	TS345.v2.4o	TS345.v1.5o
TS397	smg_ulaval	0.87	0.65	0.21	TS397.v2.1o	TS397.v1.1o
TS015	PEZYFoldings	0.86	0.71	0.14	TS015.v1.2o	TS015.v2.1o
TS456	Yang-Multimer	0.81	0.65	0.15	TS456.v1.2o	TS456.v2.2o
TS051	MULTICOM	0.79	0.61	0.18	TS051.v1.6o	TS051.v2.5o
TS293	MRAH	0.78	0.62	0.16	TS293.v1.2o	TS293.v2.5o
TS079	MRAFold	0.78	0.62	0.16	TS079.v1.2o	TS079.v2.5o
TS014	Cool-PSP	0.77	0.65	0.12	TS014.v1.1o	TS014.v2.1o
TS322	XGroup	0.76	0.49	0.26	TS322.v1.4o	TS322.v2.1o
TS219	XGroup-Server	0.76	0.49	0.26	TS219.v1.4o	TS219.v2.1o
TS465	Wallner	0.73	0.58	0.15	TS465.v1.1o	TS465.v2.3o
TS241	elofsson	0.73	0.55	0.18	TS241.v2.5o	TS241.v1.1o
TS052	Yang-Server	0.72	0.46	0.26	TS052.v1.3o	TS052.v2.1o
TS091	Huang-HUST	0.71	0.49	0.23	TS091.v2.5o	TS091.v1.1o
TS462	Zheng	0.71	0.45	0.26	TS462.v2.1o	TS462.v1.6o
TS290	Pierce	0.71	0.46	0.25	TS290.v1.5o	TS290.v2.4o
TS167	OpenComplex	0.70	0.48	0.22	TS167.v2.2o	TS167.v1.5o
TS450	OpenComplex_Server	0.70	0.48	0.22	TS450.v2.2o	TS450.v1.5o
TS008	HADDOCK	0.70	0.46	0.24	TS008.v1.1o	TS008.v2.5o
TS059	DeepFold	0.68	0.47	0.21	TS059.v2.3o	TS059.v1.5o
TS369	Bhattacharya	0.66	0.44	0.22	TS369.v1.3o	TS369.v2.2o
TS022	Yang	0.64	0.46	0.18	TS022.v1.5o	TS022.v2.1o
TS425	MULTICOM_GATE	0.64	0.46	0.18	TS425.v2.3o	TS425.v1.4o
TS331	MULTICOM_AI	0.64	0.46	0.18	TS331.v2.3o	TS331.v1.4o
TS319	MULTICOM_LLM	0.64	0.46	0.18	TS319.v2.3o	TS319.v1.4o
TS301	GHZ-MAN	0.64	0.50	0.14	TS301.v1.4o	TS301.v2.1o
TS267	kiharalab_server	0.64	0.48	0.15	TS267.v1.2o	TS267.v2.5o
TS375	milliseconds	0.64	0.45	0.18	TS375.v2.1o	TS375.v1.4o
TS423	ShanghaiTech-server	0.63	0.49	0.14	TS423.v1.2o	TS423.v2.2o
TS294	KiharaLab	0.62	0.46	0.17	TS294.v2.4o	TS294.v1.5o
TS204	Zou	0.62	0.51	0.11	TS204.v2.5o	TS204.v1.1o
TS145	colabfold_baseline	0.62	0.38	0.24	TS145.v1.2o	TS145.v2.5o
TS380	mialab_prediction	0.62	0.38	0.24	TS380.v1.4o	TS380.v2.5o
TS311	RAGfold_Prot1	0.62	0.47	0.14	TS311.v1.2o	TS311.v2.1o
TS148	Guijunlab-Complex	0.62	0.58	0.03	TS148.v2.2o	TS148.v1.3o
TS264	GuijunLab-Human	0.61	0.58	0.03	TS264.v2.2o	TS264.v1.4o
TS312	GuijunLab-Assembly	0.61	0.58	0.03	TS312.v2.2o	TS312.v1.4o
TS287	plmfold	0.60	0.47	0.12	TS287.v2.2o	TS287.v1.5o
TS198	colabfold	0.60	0.39	0.21	TS198.v2.2o	TS198.v1.3o
TS122	MQA_server	0.59	0.57	0.02	TS122.v2.2o	TS122.v1.3o
TS075	GHZ-ISM	0.59	0.57	0.02	TS075.v2.1o	TS075.v1.2o
TS475	ptq	0.59	0.57	0.02	TS475.v2.1o	TS475.v1.2o
TS284	Unicorn	0.59	0.57	0.02	TS284.v2.1o	TS284.v1.2o
TS031	MassiveFold	0.56	0.42	0.14	TS031.v2.4o	TS031.v1.5o
TS163	MultiFOLD2	0.55	0.36	0.19	TS163.v1.3o	TS163.v2.5o
TS494	ClusPro	0.55	0.35	0.20	TS494.v1.4o	TS494.v2.4o
TS261	UNRES	0.55	0.29	0.26	TS261.v1.1o	TS261.v2.1o
TS187	Ayush	0.53	0.36	0.17	TS187.v2.1o	TS187.v1.1o
TS274	kozakovvajda	0.52	0.36	0.15	TS274.v2.1o	TS274.v1.5o
TS272	GromihaLab	0.52	0.06	0.46	TS272.v2.1o	TS272.v1.2o
TS164	McGuffin	0.52	0.39	0.12	TS164.v2.5o	TS164.v1.4o
TS028	NKRNA-s	0.49	0.46	0.03	TS028.v2.1o	TS028.v1.4o
TS208	falcon2	0.48	0.37	0.10	TS208.v2.4o	TS208.v1.5o
TS110	MIEnsembles-Server	0.48	0.45	0.03	TS110.v2.1o	TS110.v1.4o
TS147	Zheng-Multimer	0.48	0.45	0.03	TS147.v2.1o	TS147.v1.3o
TS117	Vakser	0.41	0.02	0.39	TS117.v1.2o	TS117.v2.3o
TS040	DELCLAB	0.39	0.39	0.00	TS040.v2.3o	N/A <sup>1</sup>
TS419	CSSB-Human	0.39	0.26	0.12	TS419.v1.3o	TS419.v2.1o
TS221	CSSB_FAKER	0.39	0.26	0.12	TS221.v1.3o	TS221.v2.1o
TS286	CSSB_experimental	0.39	0.26	0.12	TS286.v1.3o	TS286.v2.1o
TS323	Yan	0.33	0.31	0.02	TS323.v2.1o	TS323.v1.1o
TS262	CoDock	0.33	0.24	0.09	TS262.v2.5o	TS262.v1.1o
TS489	Fernandez-Recio	0.20	0.15	0.05	TS489.v1.1o	TS489.v2.5o
TS196	HYU_MLLAB	0.07	0.01	0.05	TS196.v1.3o	TS196.v2.5o
TS114	COAST	0.04	0.02	0.01	TS114.v1.5o	TS114.v2.1o
TS337	APOLLO	0.03	0.02	0.02	TS337.v1.1o	TS337.v2.4o
TS139	DeepFold-refine	0.03	0.01	0.02	TS139.v1.4o	TS139.v2.3o
TS300	ARC	0.03	0.01	0.01	TS300.v1.2o	TS300.v2.2o
TS085	Bates	0.03	0.01	0.01	TS085.v1.5o	TS085.v2.4o
TS023	FTBiot0119	0.02	0.01	0.01	TS023.v1.3o	TS023.v2.1o

<sup>1</sup> Model either not submitted or not assessed

Supplementary Table S7: Results for R1203 Sigma4 Two-State Score

Group	Group_Name	Two-State_Σ <sub>4</sub> _Score	V1_Σ <sub>4</sub> _Score	V2_Σ <sub>4</sub> _Score	V1_Model	V2_Model
TS272	GromihaLab	67.74	31.85	35.89	TS272_v1.4	TS272_v2.1
TS235	isyslab-hust	64.72	30.77	33.95	TS235_v1.2	TS235_v2.5
TS369	Bhattacharya	64.58	32.05	32.53	TS369_v1.5	TS369_v2.3
TS241	elofsson	64.20	31.63	32.57	TS241_v1.1	TS241_v2.2
TS304	AF3-server	64.20	31.63	32.57	TS304_v1.1	TS304_v2.2
TS006	RNA_Dojo	64.02	31.40	32.61	TS006_v1.3	TS006_v2.1
TS231	B-LAB	46.14	9.84	36.30	TS231_v1.2	TS231_v2.5
TS238	BRIQX	43.98	33.27	10.71	TS238_v1.5	TS238_v2.3
TS294	KiharaLab	42.91	31.63	11.28	TS294_v1.1	TS294_v2.2
TS159	406	42.58	10.73	31.85	TS159_v1.1	TS159_v2.2
TS435	RNAFOLDX	42.27	31.51	10.76	TS435_v1.5	TS435_v2.6
TS167	OpenComplex	40.87	8.25	32.61	TS167_v1.3	TS167_v2.2
TS400	OmniFold	32.89	0.00	32.89	N/A <sup>1</sup>	TS400_v2.1
TS276	FrederickFolding	31.82	0.00	31.82	N/A <sup>1</sup>	TS276_v2.1
TS286	CSSB_experimental	24.40	11.11	13.29	TS286_v1.3	TS286_v2.2
TS165	dfr	22.76	11.07	11.69	TS165_v1.3	TS165_v2.1
TS063	RNApolis	21.91	11.00	10.91	TS063_v1.3	TS063_v2.1
TS481	Vfold	21.86	10.40	11.47	TS481_v1.5	TS481_v2.4
TS189	LCBio	21.83	9.95	11.88	TS189_v1.3	TS189_v2.1
TS338	GeneSilico	21.79	11.53	10.26	TS338_v1.5	TS338_v2.1
TS156	SoutherRNA	21.63	8.91	12.72	TS156_v1.5	TS156_v2.1
TS183	GuangzhouRNA-human	21.33	10.19	11.14	TS183_v1.5	TS183_v2.2
TS317	GuangzhouRNA_AI	21.17	9.62	11.55	TS317_v1.5	TS317_v2.4
TS456	Yang-Multimer	20.86	10.04	10.82	TS456_v1.1	TS456_v2.4
TS417	GuangzhouRNA-meta	20.81	9.98	10.83	TS417_v1.2	TS417_v2.5
TS052	Yang-Server	19.66	10.16	9.49	TS052_v1.1	TS052_v2.5
TS267	kiharalab_server	18.53	9.29	9.23	TS267_v1.4	TS267_v2.5
TS261	UNRES	18.48	7.55	10.93	TS261_v1.1	TS261_v2.3
TS028	NKRNA-s	17.52	9.63	7.89	TS028_v1.3	TS028_v2.1
TS358	PerezLab_Gators	17.35	8.09	9.26	TS358_v1.4	TS358_v2.1
TS448	dNAfold	17.33	9.24	8.08	TS448_v1.5	TS448_v2.1
TS450	OpenComplex_Server	16.77	8.27	8.50	TS450_v1.1	TS450_v2.2
TS110	MIEnsembles-Server	16.58	7.88	8.70	TS110_v1.3	TS110_v2.1
TS462	Zheng	16.12	7.92	8.21	TS462_v1.3	TS462_v2.5
TS169	thermomap	15.26	7.03	8.23	TS169_v1.3	TS169_v2.4
TS367	AIR	7.78	0.00	7.78	N/A <sup>1</sup>	TS367_v2.1
TS403	mmagnus	3.65	3.65	0.00	TS403_v1.1	N/A <sup>1</sup>
TS298	ShanghaiTech-human	3.64	3.64	0.00	TS298_v1.1	N/A <sup>1</sup>
TS423	ShanghaiTech-server	3.64	3.64	0.00	TS423_v1.1	N/A <sup>1</sup>
TS094	SimRNA-Server	3.43	2.35	1.07	TS094_v1.5	TS094_v2.3
TS208	falcon2	3.13	3.13	0.00	TS208_v1.1	N/A <sup>1</sup>
TS306	GeneSilicoRNA-server	0.02	0.02	0.00	TS306_v1.1	N/A <sup>1</sup>
TS033	Diff	0.00	0.00	0.00	TS033_v1.3	TS033_v2.5

<sup>1</sup> Model either not submitted or not assessed