

Table S1. Comparison of top L/5 long-range contacts predicted by our three methods, MULTICOM-NOVEL, MULTICOM-CONSTRUCT, and MULTICOM-CLUSTER for the CASP12 structural domains using precision measure. N_{target} and $N_{\text{eff}_{\text{domain}}}$ stand for number of sequence in the alignment which is generated with the target sequence as input and the number of effective sequences in the alignment when alignments are trimmed to match the residues of the native structural domain, respectively. The last six columns show the precision and recall of top L/5 long-range contacts for the three methods. The ‘Alignment’ column shows the method and parameter used to generate’ the alignment, where ‘jhm’ stands for JackHMMER and ‘hbb’ stands for HHblits. The $N_{\text{eff}_{\text{domain}}}$ calculation are dashed (‘-’) for the domains whose native structures are not released publicly.

Domain	Alignment	N_{target}	$N_{\text{eff}_{\text{domain}}}$	Precision (top L/5)			Recall (top L/5)		
				CONSTRUCT	CLUSTER	NOVEL	CONSTRUCT	CLUSTER	NOVEL
T0859-D1	jhm-e-0	2	1	4.4	4.4	0.0	1.6	1.6	0.0
T0860-D1	jhm-e-0	2	1	28.6	35.7	17.9	3.9	4.9	2.4
T0861-D1	hbb-cov75	5188	1561	85.7	85.7	39.7	9.9	9.9	4.6
T0862-D1	jhm-e-0	163	31	26.3	26.3	21.1	6.5	6.5	5.2
T0863-D1	jhm-e-0	453	73	2.6	2.6	5.1	0.7	0.7	1.3
T0863-D2	jhm-e-0	453	54	4.2	4.2	4.2	1.3	1.3	1.3
T0864-D1	jhm-e-0	526	134	64.0	64.0	32.0	8.6	8.6	4.3
T0866-D1	hbb-cov75	1388	560	100.0	100.0	14.3	13.8	13.8	2.0
T0867-D1	jhm-e-0	3	2	9.5	9.5	23.8	1.5	1.5	3.7
T0868-D1	jhm-e-0	43	23	83.3	58.3	41.7	16.5	11.6	8.3
T0869-D1	jhm-e-0	17	12	42.9	52.4	47.6	9.6	11.7	10.6
T0870-D1	jhm-e-0	137	81	16.0	16.0	40.0	3.9	3.9	9.8
T0871-D1	hbb-cov50	2854	627	93.8	93.8	3.1	10.2	10.2	0.3
T0872-D1	hbb-cov75	283	162	66.7	66.7	27.8	12.6	12.6	5.3
T0873-D1	jhm-1e-40	2540	311	81.7	81.7	36.6	9.2	9.2	4.1
T0874-D1	jhm-1e-4	1847	-	0.0	0.0	8.7	0.0	0.0	1.5
T0875-D1	hbb-cov75	752	-	25.0	25.0	8.3	3.9	3.9	1.3
T0876-D1	hbb-cov50	566	-	16.7	16.7	0.0	2.6	2.6	0.0
T0877-D1	jhm-e-0	80	24	20.7	20.7	34.5	3.2	3.2	5.4
T0878-D1	jhm-e-0	856	250	42.0	42.0	26.1	4.9	4.9	3.1
T0879-D1	hbb-cov75	7552	2450	97.7	97.7	29.6	11.5	11.5	3.5

T0880-D2	jhm-e-0	2	1	25.0	21.9	18.8	3.1	2.7	2.3
T0881-D1	jhm-1e-10	8766	402	0.0	0.0	4.9	0.0	0.0	0.5
T0882-D1	hhb-cov75	229	29	6.3	6.3	12.5	2.4	2.4	4.8
T0883-D1	jhm-e-0	491	-	79.6	79.6	25.0	9.7	9.7	3.1
T0884-D1	jhm-e-0	50	20	13.3	13.3	20.0	5.0	5.0	7.5
T0885-D1	jhm-1e-4	11926	2174	95.7	95.7	43.5	21.8	21.8	9.9
T0886-D1	jhm-1e-40	3013	1182	78.6	78.6	7.1	9.6	9.6	0.9
T0886-D2	jhm-1e-40	3013	1837	88.5	88.5	23.1	10.4	10.4	2.7
T0887-D1	hhb-cov50	939	-	54.6	54.6	0.0	25.4	25.4	0.0
T0888-D1	jhm-e-0	2	1	8.0	0.0	0.0	1.2	0.0	0.0
T0889-D1	hhb-cov75	28280	13147	95.8	95.8	62.5	12.6	12.6	8.2
T0890-D1	jhm-e-0	70	15	41.2	41.2	35.3	11.5	11.5	9.8
T0890-D2	jhm-e-0	70	17	13.6	13.6	9.1	4.1	4.1	2.7
T0891-D1	jhm-1e-40	775	189	91.3	91.3	34.8	14.2	14.2	5.4
T0892-D1	jhm-e-0	579	176	35.7	35.7	28.6	20.8	20.8	16.7
T0892-D2	jhm-e-0	579	202	54.6	54.6	63.6	9.2	9.2	10.8
T0893-D1	hhb-cov75	60308	17939	6.7	6.7	0.0	4.8	4.8	0.0
T0893-D2	hhb-cov75	60308	32702	97.1	97.1	29.4	12.8	12.8	3.9
T0894-D1	jhm-e-0	438	61	11.1	11.1	55.6	3.4	3.4	17.0
T0894-D2	jhm-e-0	438	44	54.6	54.6	63.6	24.0	24.0	28.0
T0895-D1	jhm-e-0	154	80	33.3	33.3	29.2	9.6	9.6	8.4
T0896-D1	jhm-e-0	2295	1117	50.0	50.0	5.6	7.6	7.6	0.9
T0896-D2	jhm-e-0	2295	5	10.0	10.0	30.0	1.3	1.3	3.8
T0896-D3	jhm-e-0	2295	7	12.1	12.1	9.1	2.6	2.6	2.0
T0897-D1	jhm-e-0	130	10	7.1	7.1	17.9	1.0	1.0	2.6
T0897-D2	jhm-e-0	130	57	52.0	52.0	20.0	8.3	8.3	3.2
T0898-D1	-	50000	389	4.6	4.6	13.6	1.1	1.1	3.2
T0898-D2	-	50000	1648	9.1	9.1	18.2	3.3	3.3	6.7
T0899-D1	jhm-1e-10	6580	125	71.2	71.2	40.4	8.5	8.5	4.8
T0899-D2	jhm-1e-10	6580	31	44.4	44.4	33.3	7.0	7.0	5.2
T0900-D1	jhm-e-0	16243	1331	95.2	95.2	71.4	10.3	10.3	7.7

T0901-D1	hhb-cov50	5167	1727	84.4	84.4	64.4	8.9	8.9	6.8
T0901-D2	hhb-cov50	5167	127	64.3	64.3	42.9	8.4	8.4	5.6
T0902-D1	hhb-cov75	2571	1110	93.6	93.6	14.9	10.8	10.8	1.7
T0903-D1	hhb-cov75	4519	3050	98.5	98.5	26.2	23.5	23.5	6.3
T0904-D1	jhm-1e-10	23741	609	72.6	72.6	29.4	13.9	13.9	5.6
T0905-D1	jhm-1e-10	8623	346	79.6	79.6	63.3	8.6	8.6	6.8
T0905-D2	jhm-1e-10	8623	88	42.9	42.9	42.9	6.5	6.5	6.5
T0906-D1	jhm-e-0	219	-	55.2	55.2	13.4	5.9	5.9	1.4
T0907-D1	jhm-e-0	219	-	77.8	77.8	27.8	11.2	11.2	4.0
T0907-D2	jhm-e-0	219	-	68.8	68.8	43.8	10.4	10.4	6.6
T0907-D3	jhm-e-0	219	-	79.2	79.2	41.7	13.0	13.0	6.9
T0909-D1	jhm-1e-4	5905	681	44.8	44.8	19.4	4.6	4.6	2.0
T0910-D1	hhb-cov75	11119	-	79.7	79.7	15.6	11.6	11.6	2.3
T0911-D1	hhb-cov75	26910	15415	86.6	86.6	2.4	11.2	11.2	0.3
T0912-D1	jhm-1e-20	7240	599	91.6	91.6	34.9	7.4	7.4	2.8
T0912-D2	jhm-1e-20	7240	391	41.2	41.2	0.0	6.3	6.3	0.0
T0912-D3	jhm-1e-20	7240	426	42.9	42.9	4.8	7.1	7.1	0.8
T0913-D1	jhm-1e-10	3782	564	69.1	69.1	25.0	7.1	7.1	2.6
T0914-D1	jhm-e-0	325	70	6.3	6.3	31.3	1.7	1.7	8.3
T0914-D2	jhm-e-0	325	33	6.1	6.1	15.2	1.4	1.4	3.4
T0915-D1	jhm-e-0	34	21	48.4	45.2	29.0	11.5	10.7	6.9
T0917-D1	hhb-cov60	2465	1210	97.5	97.5	49.4	9.6	9.6	4.9
T0918-D1	jhm-1e-20	3517	356	77.3	77.3	40.9	13.9	13.9	7.4
T0918-D2	jhm-1e-20	3517	487	88.0	88.0	20.0	9.1	9.1	2.1
T0918-D3	jhm-1e-20	3517	513	66.7	66.7	0.0	11.6	11.6	0.0
T0920-D1	hhb-cov50	6032	3217	93.9	93.9	49.2	11.6	11.6	6.1
T0920-D2	hhb-cov50	6032	12	22.7	22.7	9.1	3.9	3.9	1.6
T0921-D1	jhm-1e-10	1046	415	96.4	96.4	35.7	9.4	9.4	3.5
T0922-D1	hhb-cov68	779	537	53.3	53.3	26.7	11.3	11.3	5.6
T0923-D1	jhm-e-0	10	7	12.1	19.0	22.4	2.1	3.3	3.9
T0928-D1	hhb-cov68	9626	2976	78.3	78.3	23.2	10.3	10.3	3.1

T0941-D1	jhm-e-0	3	1	2.9	2.9	1.5	0.4	0.4	0.2
T0942-D1	-	50000	859	0.0	0.0	20.0	0.0	0.0	3.2
T0942-D2	-	50000	15020	0.0	0.0	18.6	0.0	0.0	5.8
T0943-D1	jhm-1e-40	0	372	61.5	61.5	61.5	15.7	15.7	15.7
T0943-D2	jhm-1e-40	0	314	27.8	27.8	27.8	3.4	3.4	3.4
T0944-D1	hhb-cov50	1794	629	88.2	88.2	11.8	10.3	10.3	1.4
T0945-D1	jhm-1e-10	8496	793	86.7	86.7	9.3	11.8	11.8	1.3
T0946-D1	hhb-cov50	3170	80	25.0	25.0	6.3	3.3	3.3	0.8
T0946-D2	hhb-cov50	3170	1079	79.1	79.1	53.5	9.7	9.7	6.5
T0947-D1	hhb-cov60	2130	512	80.0	80.0	48.6	10.2	10.2	6.2
T0948-D1	jhm-e-0	416	67	6.7	6.7	16.7	1.3	1.3	3.4
Average		6679	1619	50.3	50.1	25.8	8.0	8.0	4.6

Table S2. Precision and recall of top L/5 long-range contacts predicted by our three methods, MULTICOM-NOVEL, MULTICOM-CLUSTER and MULTICOM-CONSTRUCT, on a subset of free-modeling targets for which sufficient homologous sequences were not found. N_{target} is the number of sequence in the alignment which is generated with the target sequence as input. $N_{\text{eff}_{\text{domain}}}$ is number of effective sequences in the alignment when alignments are trimmed to match the residues of the native structural domain.

FM Domain	N_{target}	$N_{\text{eff}_{\text{domain}}}$	Precision (top L/5)			Recall (top L/5)		
			CONSTRUCT	CLUSTER	NOVEL	CONSTRUCT	CLUSTER	NOVEL
T0859-D1	2	1	4.4	4.4	0.0	1.6	1.6	0.0
T0869-D1	17	12	42.9	52.4	47.6	9.6	11.7	10.6
T0880-D2	2	1	25.0	21.9	18.8	3.1	2.7	2.3
T0888-D1	2	1	8.0	0.0	0.0	1.2	0.0	0.0
T0923-D1	10	7	12.1	19.0	22.4	2.1	3.3	3.9
T0941-D1	3	1	2.9	2.9	1.5	0.4	0.4	0.2
Average			15.9	16.7	15.0	3.0	3.3	2.8

Table S3. Precision of long-range contacts predicted using CCMpred with alignments generated using HHblits with three coverage options (60%, 68%, and 75%) on the targets which MULTICOM-CONSTRUCT selected the alignments generated using 75% coverage parameter. N represents the number of sequences in the alignment and the columns Top-L/5 and Top-L/2 shows the precision of long-range contacts.

Domain	Aln Cov = 60%			Aln Cov = 68%			Aln Cov = 75%		
	N	Top-L/5	Top-L/2	N	Top-L/5	Top-L/2	N	Top-L/5	Top-L/2
T0861-D1	6176	82.3	76.9	5627	82.3	78.2	5188	83.9	77.6
T0866-D1	4016	100.0	86.5	2604	90.5	84.6	1388	95.2	71.2
T0872-D1	393	44.4	27.3	355	50.0	31.8	283	33.3	22.7
T0879-D1	8656	77.3	74.6	8287	94.1	84.7	7552	94.1	83.5
T0889-D1	51334	87.5	82.5	42427	85.4	83.3	28280	87.5	80.8
T0893-D1	62441	0.0	5.4	61502	6.7	8.1	60308	6.7	8.1
T0893-D2	62441	94.1	84.7	61502	77.3	74.6	60308	77.3	73.6
T0902-D1	3195	60.9	64.7	2909	63.0	63.8	2571	67.4	65.5
T0903-D1	15045	70.8	46.9	9304	44.6	29.0	4519	55.9	28.7
T0911-D1	36839	73.2	68.6	32718	76.8	69.1	26910	72.0	69.1
Mean Precision		69.0	61.8		67.1	60.7		67.3	58.1

Table S4: Precision of long-range contacts predicted using CCMpred with alignments generated using JackHMMER with six e-value thresholds (1, 4, 10, 20, 30, and 40) on the targets which MULTICOM-CONSTRUCT selected the alignments generated using e-value cut-off of 40. N represents the number of sequences in the alignment and the columns Top-L/5 and Top-L/2 shows the precision of long-range contacts.

Domain	E-40			E-30			E-20			E-10			E-4			E-0		
	N	L/5	L/2	N	L/5	L/2	N	L/5	L/2	N	L/5	L/2	N	L/5	L/2	N	L/5	L/2
T0873-D1	2540	66.3	58.9	2590	66.3	59.3	2660	68.5	60.6	2716	68.5	57.6	2734	68.5	59.3	2740	67.4	57.6
T0886-D1	3013	78.6	77.1	3128	78.6	82.9	3234	85.7	77.1	3392	78.6	77.1	3696	78.6	82.9	3746	78.6	82.9
T0886-D2	3013	92.0	60.9	3128	88.0	54.7	3234	92.0	65.6	3392	96.0	62.5	3696	84.0	62.5	3746	88.0	57.8
T0891-D1	775	68.2	46.4	931	68.2	50.0	1117	63.6	51.8	1366	72.7	51.8	1654	77.3	57.1	1668	77.3	60.7
T0943-D1	2923	8.3	6.5	3019	8.3	3.2	3079	8.3	6.5	3143	8.3	3.2	3214	8.3	9.7	3210	0.0	3.2
T0943-D2	2923	57.3	44.6	3019	60.7	42.0	3079	62.9	42.9	3143	57.3	42.9	3214	57.3	40.2	3210	56.2	41.5
Mean		61.8	49.1		61.7	48.7		63.5	50.7		63.6	49.2		62.3	51.9		61.2	50.6

Table S5. All target domains for which the first set of PSICOV jobs ($d = 0.03$ option) failed to converge in the five-hour time-limit window. The first set of results under the heading $d=0.03$ are the precision for top L/5 and L/2 long-range contacts had we run the jobs sufficiently long. The second set of results, under the heading $r=0.001$ are the precision of the contacts we selected and submitted.

Domain	d = 0.03		r = 0.001		r = 0.01	
	L/5	L/2	L/5	L/2	L/5	L/2
T0861-D1	83.9	58.3	79.0	54.5	16.1	15.4
T0871-D1	79.7	56.9	73.4	50.0	25.0	13.8
T0886-D2	84.0	51.6	80.0	50.0	25.0	25.0
T0899-D1	19.2	12.3	26.9	20.8	18.8	18.8
T0905-D1	41.7	22.3	33.3	23.1	50.0	50.0
T0911-D1	73.2	64.2	65.9	50.5	25.6	15.7
T0913-D1	64.7	49.7	48.5	34.3	16.2	6.5
T0920-D1	87.5	77.0	85.9	65.8	34.4	23.0
T0928-D1	58.8	40.4	52.9	36.3	32.4	20.5
T0945-D1	56.0	36.7	29.3	25.0	4.0	4.3
Mean	64.9	46.9	57.5	41.0	24.7	19.3

Table S6. MULTICOM-CONSTRUCT predicted contact quality measured using precision and distance distribution score X_d , and reconstructed ‘best of five’ model quality measured using TM-score, RMSD, and GDT-TS score for the CASP12 target proteins evaluated at domain level. N_{tgt} and $N_{\text{eff}_{\text{dm}}}$ define the number of sequences in the alignment, number of effective sequences calculated at domain level. L_{tgt} and L_{dm} defined the length of the target and the length of the domain structure. N_c is the total number of contacts in the native domain structure, where LR is for long-range, MR is for medium-range, and SR is for short-range contact counts. P_c is the number of contacts in the predicted set of contacts that were used to build the ‘best of five’ models.

Domain	N_{tgt}	$N_{\text{eff}_{\text{dm}}}$	L_{tgt}	L_{dm}	Native (N_c)			NX_d	RR (P_c)			Precision (top L/5)				PX_d	Best of 5 Model			
					LR	MR	SR		P_c	LR	MR	SR	LR	MR	SR		All	TM	RMSD	GDT-TS
T0859-D1	2	1	133	113	63	76	41	32.6	4.0L	160	79	72	4.4	4.4	8.7	0.0	4.7	0.23	16.2	20.8
T0860-D1	2	1	137	136	205	73	63	30.4	4.0L	294	137	89	29.6	3.7	29.6	29.6	5.5	0.23	14.6	17.3
T0861-D1	5188	1408	323	312	547	142	93	33.8	4.0L	849	219	150	85.5	91.9	66.1	88.7	21.2	0.72	5.0	47.8
T0862-D1	163	4	239	93	77	21	11	29.3	1.0L	42	27	13	26.3	36.8	23.1	52.6	12.4	0.34	16.0	36.8
T0863-D1	453	7	670	193	153	32	38	33.4	3.0L	418	109	83	2.6	7.7	7.7	0.0	5.4	0.24	17.9	16.2
T0863-D2	453	6	670	356	225	31	45	39.5	1.0L	118	106	78	4.2	1.4	11.3	8.5	11.1	0.22	43.1	11.9
T0864-D1	526	35	246	246	373	128	83	34.2	3.0L	274	195	194	65.3	53.1	55.1	77.6	15.3	0.25	16.0	13.3
T0866-D1	1388	551	183	104	152	51	40	29.4	2.0L	204	76	40	100.0	81.0	95.2	100.0	18.2	0.47	6.8	41.6
T0867-D1	3	2	104	104	137	71	47	28.4	1.0L	38	21	32	9.5	38.1	52.4	52.4	13.3	0.23	10.8	23.8
T0868-D1	43	23	161	116	121	40	39	29.5	3.0L	180	52	79	82.6	34.8	65.2	52.2	15.6	0.51	9.1	45.9
T0869-D1	17	12	120	104	94	27	31	28.5	3.0L	184	58	69	42.9	28.6	42.9	61.9	11.1	0.39	8.0	38.7
T0870-D1	137	73	138	123	102	37	28	30.6	4.0L	153	143	137	16.0	36.0	36.0	52.0	10.7	0.35	8.8	29.9
T0871-D1	2854	473	375	319	585	67	83	34.5	4.0L	859	167	167	93.8	31.3	45.3	92.2	18.4	0.44	17.6	23.0
T0872-D1	283	156	91	88	95	61	39	28.5	0.8L	17	33	17	64.7	83.3	82.4	100.0	23.1	0.30	9.6	32.7
T0873-D1	2540	10	501	462	830	157	152	36.8	1.0L	254	85	93	82.6	50.6	63.0	83.7	29.3	0.32	23.6	14.0
T0877-D1	80	24	142	142	187	53	45	30.4	1.0L	49	23	51	17.9	65.2	60.7	60.7	18.5	0.36	11.2	28.5
T0878-D1	856	24	358	344	590	160	127	34.8	3.0L	443	299	217	42.0	65.2	68.1	78.3	15.1	0.26	20.1	11.6
T0879-D1	7552	2289	223	220	374	59	51	32.6	2.0L	342	48	38	97.7	61.4	60.5	97.7	24.6	0.68	9.6	48.6
T0880-D2	2	1	193	157	257	89	72	30.4	3.0L	150	195	94	22.6	16.1	51.6	32.3	9.0	0.21	17.4	14.2
T0881-D1	8766	3	202	202	385	108	59	31.5	4.0L	359	227	178	0.0	7.5	20.0	2.5	5.4	0.17	21.4	8.0
T0882-D1	229	22	89	79	42	45	29	27.7	3.0L	61	84	64	6.3	81.3	93.8	93.8	13.8	0.38	8.9	38.9
T0884-D1	50	20	75	71	40	42	38	26.4	0.8L	0	21	32	0.0	71.4	92.9	92.9	23.6	0.29	11.4	33.5
T0885-D1	11926	12	116	114	101	38	24	30.2	2.0L	124	48	42	95.7	56.5	56.5	91.3	18.5	0.66	6.6	59.7
T0886-D1	3013	21	346	69	115	19	23	25.9	2.0L	107	41	37	78.6	35.7	92.9	100.0	16.0	0.42	4.9	47.5
T0886-D2	3013	277	346	127	222	65	58	29.3	3.0L	186	89	69	88.0	80.0	72.0	92.0	17.4	0.41	9.6	34.5
T0888-D1	2	1	121	121	174	71	50	29.4	4.0L	184	155	116	8.3	12.5	12.5	16.7	5.4	0.22	13.8	18.0
T0889-D1	28280	12198	242	239	366	112	54	33.2	2.0L	316	102	47	95.8	85.4	55.3	95.8	26.5	0.78	5.4	61.8
T0890-D1	70	12	191	82	61	23	16	30.0	1.0L	26	26	25	43.8	62.5	50.0	81.3	16.9	0.41	6.3	47.3
T0890-D2	70	5	191	106	74	36	40	29.7	0.8L	12	16	33	8.3	6.3	57.1	57.1	12.7	0.35	12.9	34.9
T0891-D1	775	98	130	112	148	63	51	29.5	3.0L	191	109	57	90.9	77.3	81.8	95.5	19.3	0.58	4.6	52.7
T0892-D1	579	84	193	69	24	9	19	27.4	0.8L	8	17	16	62.5	21.4	64.3	57.1	18.7	0.58	3.1	64.5
T0892-D2	579	98	193	110	130	24	33	29.8	4.0L	215	63	105	54.6	18.2	36.4	45.5	9.9	0.38	8.2	36.1

T0893-D1	60308	1854	242	73	21	8	6	32.6	0.8L	11	7	2	9.1	71.4	100.0	33.3	20.4	0.56	8.4	60.6
T0893-D2	60308	31100	242	169	258	65	39	31.2	3.0L	398	85	54	97.1	85.3	58.8	94.1	22.2	0.74	4.9	61.2
T0894-D1	438	14	324	89	59	60	47	29.7	2.0L	7	45	41	14.3	55.6	33.3	50.0	17.6	0.27	15.7	25.3
T0894-D2	438	12	324	54	25	41	25	25.6	0.8L	5	25	28	60.0	63.6	90.9	81.8	16.6	0.42	7.5	49.5
T0895-D1	154	72	129	120	83	66	41	29.3	2.0L	70	81	77	33.3	87.5	58.3	70.8	16.9	0.45	13.6	41.7
T0896-D1	2295	209	486	86	118	55	20	27.1	0.8L	69	110	72	47.1	82.4	29.4	70.6	10.5	0.24	11.3	24.4
T0896-D2	2295	4	486	200	316	76	65	32.4	4.0L	80	263	228	10.0	50.0	35.0	50.0	12.4	0.18	24.5	11.9
T0896-D3	2295	7	486	161	153	37	55	35.0	4.0L	25	65	112	12.0	3.1	21.9	21.9	10.2	0.16	16.0	11.5
T0897-D1	130	5	285	138	192	50	47	28.9	4.0L	77	120	122	7.1	21.4	46.4	42.9	7.9	0.20	15.9	16.5
T0897-D2	130	6	285	124	156	69	53	29.1	2.0L	133	141	105	52.0	36.0	60.0	48.0	11.3	0.28	14.6	24.0
T0898-D1	50000	2	169	106	95	21	14	29.1	2.0L	1	31	63	100.0	9.5	4.8	14.3	7.5	0.25	18.7	24.1
T0898-D2	50000	53	169	55	30	40	40	25.2	2.0L	35	69	64	9.1	36.4	90.9	90.9	9.5	0.32	10.2	38.2
T0899-D1	6580	1	423	259	435	58	82	34.4	3.0L	197	124	234	71.2	32.7	30.8	67.3	16.0	0.33	17.8	17.8
T0899-D2	6580	2	423	88	115	28	37	27.4	0.8L	9	39	60	55.6	11.1	38.9	38.9	7.2	0.19	42.4	19.6
T0900-D1	16243	38	106	102	194	31	27	28.3	1.0L	60	30	13	95.0	85.0	46.2	95.0	22.7	0.43	13.4	40.0
T0901-D1	5167	1644	328	223	427	46	60	32.1	3.0L	550	65	95	84.4	22.2	37.8	84.4	16.2	0.49	9.9	30.9
T0901-D2	5167	28	328	70	107	22	27	26.0	2.0L	38	41	35	64.3	14.3	64.3	85.7	9.9	0.25	12.6	30.4
T0902-D1	2571	1076	315	231	406	51	53	33.7	3.0L	523	78	73	93.5	45.7	45.7	93.5	21.5	0.38	12.5	23.5
T0903-D1	4519	2936	382	324	272	190	80	38.5	1.0L	174	147	35	98.5	100.0	100.0	100.0	36.2	0.38	16.6	22.0
T0904-D1	23741	2	341	251	266	52	39	34.9	3.0L	520	146	117	74.0	42.0	38.0	76.0	16.5	0.40	27.3	29.5
T0905-D1	8623	3	353	242	455	71	59	33.1	2.0L	183	58	119	79.2	10.4	14.6	83.3	14.9	0.26	16.0	14.3
T0905-D2	8623	1	353	66	92	24	25	26.0	4.0L	163	142	92	46.2	30.8	76.9	92.3	6.1	0.24	11.0	29.2
T0909-D1	5905	5	340	323	629	333	47	34.1	3.0L	328	400	213	43.1	75.0	21.8	68.8	15.6	0.25	19.0	9.5
T0911-D1	26910	15052	445	408	634	80	52	36.4	4.0L	1481	162	90	86.6	51.2	41.5	89.0	20.2	0.79	6.6	53.5
T0912-D1	7240	26	624	414	1025	249	86	35.4	4.0L	1083	544	312	91.6	54.2	31.3	90.4	19.7	0.29	18.6	12.9
T0912-D2	7240	22	624	83	112	25	42	26.6	3.0L	16	42	53	37.5	64.7	82.4	94.1	14.9	0.23	12.5	23.2
T0912-D3	7240	21	624	103	127	39	49	28.3	4.0L	95	74	59	42.9	61.9	71.4	76.2	12.0	0.25	12.5	21.4
T0913-D1	3782	100	386	338	657	133	101	33.9	4.0L	903	257	228	69.1	72.1	60.3	75.0	18.6	0.59	10.6	34.0
T0914-D1	325	8	337	158	121	69	44	33.5	4.0L	359	157	71	6.3	59.4	37.5	62.5	9.7	0.28	13.8	22.5
T0914-D2	325	2	337	162	146	68	60	32.9	3.0L	140	122	107	6.3	68.8	65.6	78.1	12.2	0.22	20.6	18.4
T0915-D1	34	20	161	154	131	38	38	31.7	3.0L	175	145	100	48.4	32.3	41.9	51.6	13.5	0.36	12.0	30.5
T0917-D1	2465	1032	409	391	804	142	90	35.1	2.0L	584	118	89	97.4	71.8	56.4	98.7	26.0	0.73	5.5	45.2
T0918-D1	3517	23	546	108	122	46	37	31.2	2.0L	112	118	63	77.3	59.1	59.1	81.8	14.9	0.32	9.7	26.6
T0918-D2	3517	189	546	123	241	61	41	31.4	4.0L	195	175	117	88.0	80.0	68.0	88.0	13.5	0.25	12.9	20.7
T0918-D3	3517	2	546	118	138	50	29	32.7	1.0L	103	49	25	66.7	75.0	62.5	83.3	19.1	0.31	13.7	26.9
T0920-D1	6032	3157	568	321	527	194	105	34.2	4.0L	702	309	133	93.8	78.1	64.1	95.3	22.7	0.44	15.7	27.3
T0920-D2	6032	2	568	219	256	143	98	32.9	3.0L	508	57	70	22.7	40.9	68.2	54.6	6.1	0.19	21.0	12.8
T0921-D1	1046	68	149	138	286	43	45	30.5	3.0L	214	112	90	96.4	53.6	46.4	89.3	15.7	0.32	12.9	23.9
T0922-D1	779	491	96	74	71	18	33	26.4	1.0L	58	8	21	53.3	87.5	46.7	53.3	12.6	0.32	7.9	37.8
T0923-D1	10	5	409	286	335	116	70	36.2	3.0L	463	243	131	12.3	50.9	33.3	49.1	11.5	0.25	21.9	13.6
T0928-D1	9626	2730	388	341	522	344	194	34.4	3.0L	450	404	238	79.4	97.1	95.6	98.5	25.2	0.62	8.0	35.8
T0941-D1	3	1	470	341	539	266	138	34.9	4.0L	765	581	282	2.9	51.5	47.1	55.9	10.1	0.24	23.9	10.6
T0942-D1	50000	1	487	173	218	67	30	31.5	3.0L	0	3	194	0.0	66.7	20.0	20.0	12.6	0.15	53.0	14.0

T0942-D2	50000	104	487	214	137	101	67	35.7	4.0L	0	29	463	0.0	44.8	27.9	27.9	16.4	0.17	27.0	13.2
T0943-D1	2923	36	563	62	51	24	18	25.2	1.0L	2	16	8	100.0	66.7	75.0	75.0	20.7	0.32	15.0	36.3
T0943-D2	2923	22	563	447	745	127	111	37.0	4.0L	1283	627	34	28.1	12.4	44.1	31.5	10.3	0.17	27.8	6.3
T0944-D1	1794	404	277	253	438	111	87	32.9	4.0L	792	135	119	88.2	92.2	66.7	96.1	17.0	0.38	15.4	21.0
T0945-D1	8496	37	409	375	552	97	81	35.9	4.0L	874	264	283	86.7	41.3	44.0	88.0	16.6	0.55	15.0	36.1
T0946-D1	3170	20	292	80	122	49	31	26.8	2.0L	6	16	26	50.0	75.0	18.8	31.3	13.8	0.27	14.1	27.2
T0946-D2	3170	991	292	212	352	72	78	32.0	2.0L	383	65	38	81.0	61.9	39.5	85.7	19.6	0.58	7.6	40.0
T0947-D1	2130	467	220	175	275	74	68	31.9	1.0L	139	35	33	80.0	65.7	69.7	94.3	23.1	0.43	18.2	34.3
T0948-D1	416	20	166	149	149	26	30	30.8	3.0L	274	89	58	6.7	16.7	43.3	30.0	8.9	0.30	16.1	24.0
Mean	7346	977	318	181	259	76	54	31.3		269	123	97	52.1	50.4	52.2	67.1	15.3	0.36	14.6	29.3