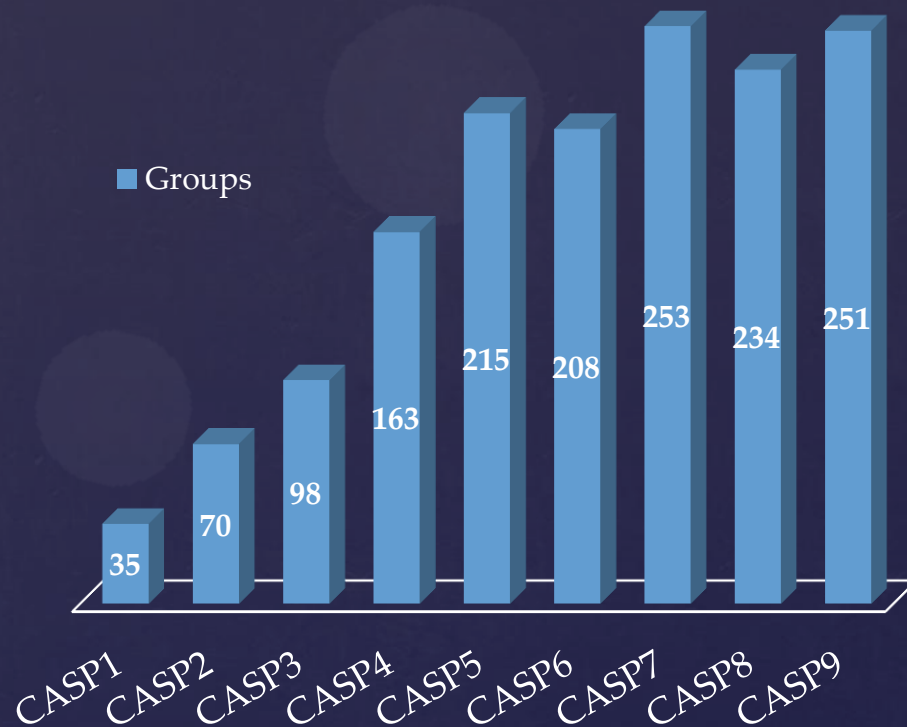
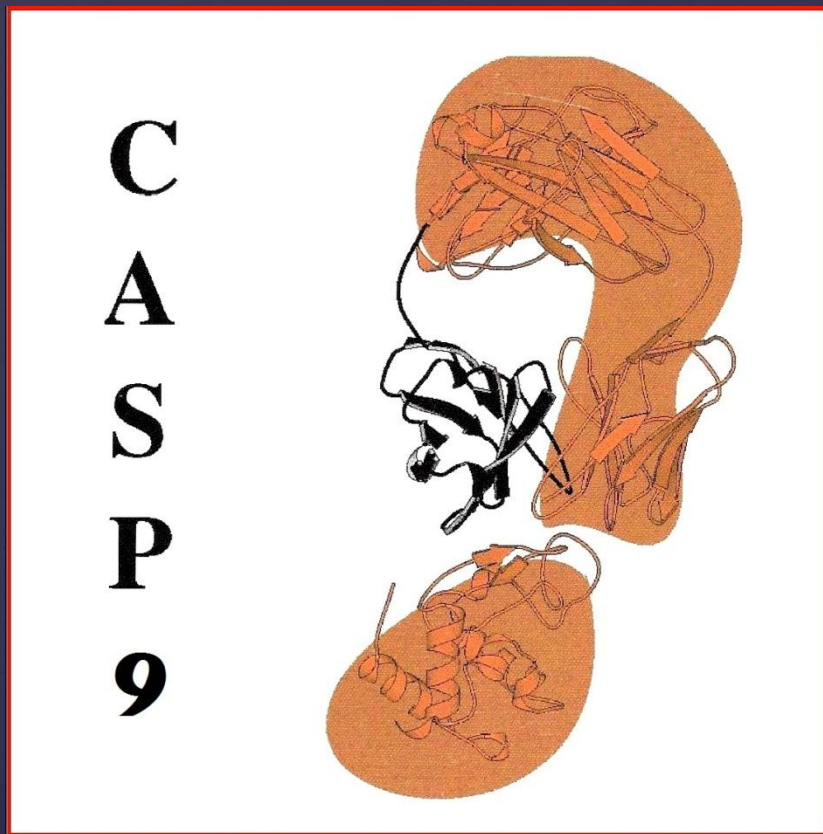
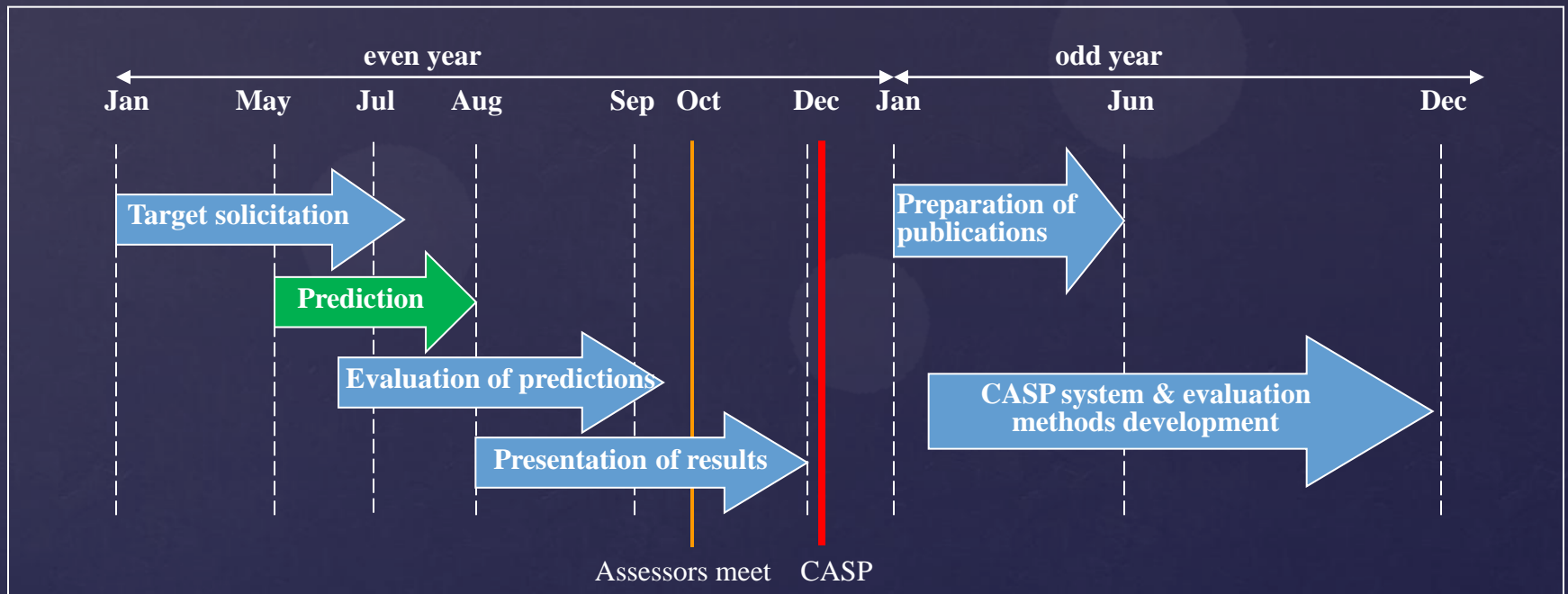


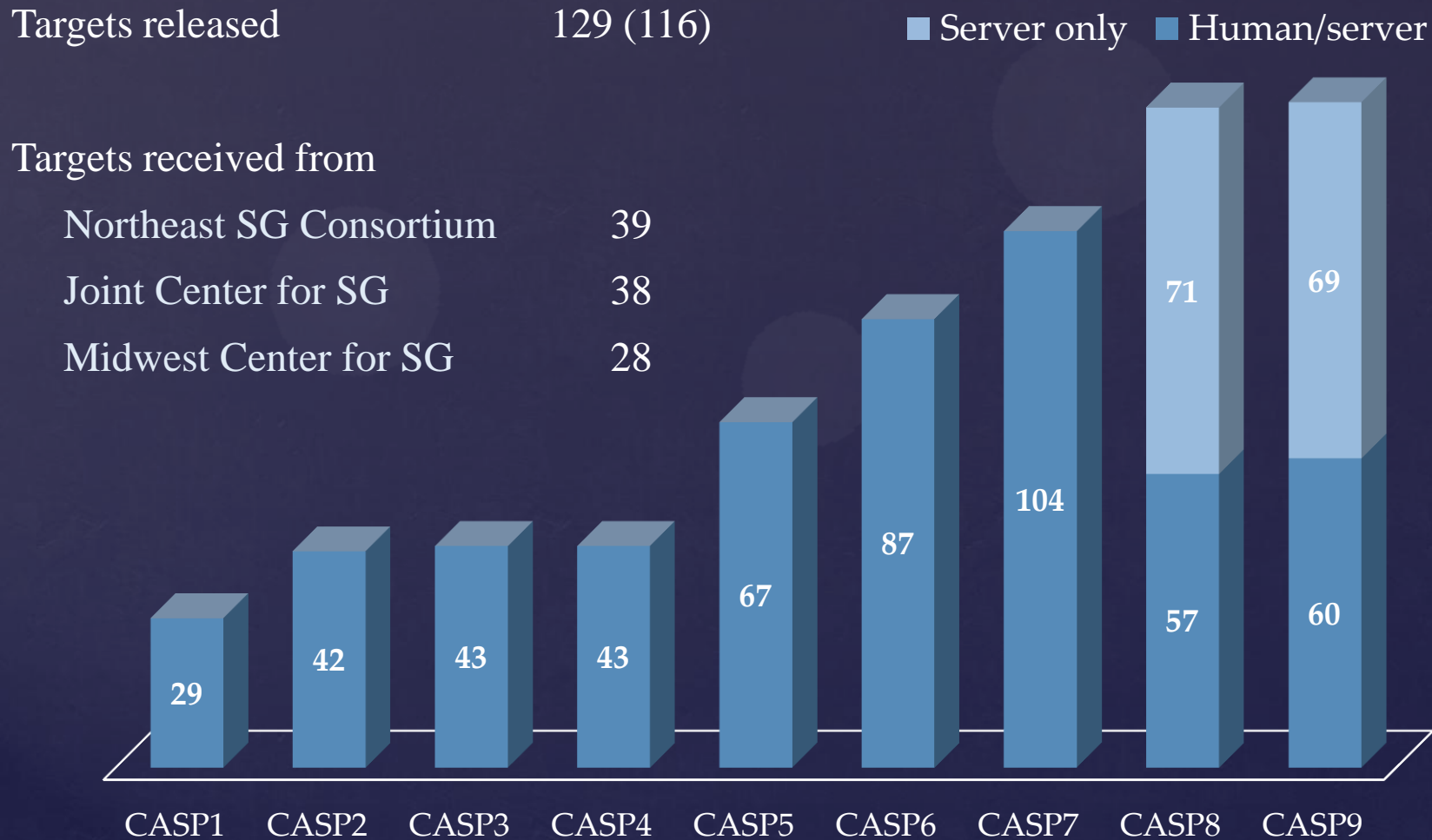
Prediction Center's Data Guide



CASP process



Target collection and release



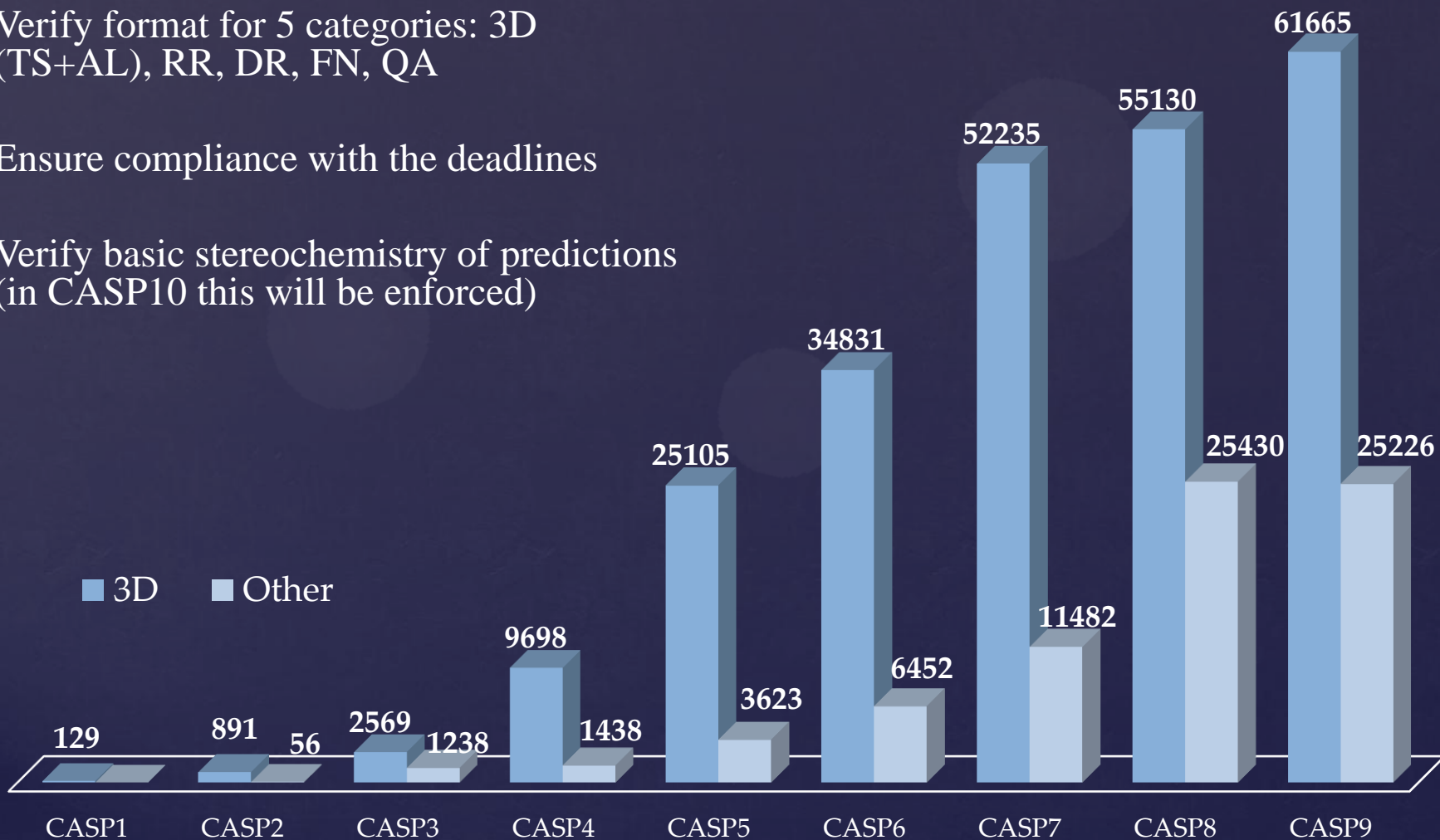
Accepting predictions

(May 5 – August 1, 2010)

Verify format for 5 categories: 3D
(TS+AL), RR, DR, FN, QA

Ensure compliance with the deadlines

Verify basic stereochemistry of predictions
(in CASP10 this will be enforced)



Preprocessing targets and predictions for evaluation

⌘ Targets (116)

- syncing the released and solved sequence
- selection and preparation of targets for the refinement experiment
- splitting 116 targets → 148 domains → 275 assessment units

⌘ Predictions (86,000+)

- stripping IDs; converting AL→TS
- releasing server predictions to public
- splitting 3D predictions into separate files for separate frames
(T0642TS001_X_Y: X is *model number*, Y is *frame*)
- splitting predictions according to domains definitions
- fixing predictions with J.Richardson's lab software

⌘ The processed data (sequences and structures) are available from

- the Prediction Center's interactive sortable tables
- the Prediction Center's Data Archive (raw text files)

http://predictioncenter.org/download_area/CASP9/targets

CASP Data Archive

The image shows a screenshot of a Mozilla Firefox browser window displaying the CASP9 website. The main page is titled "9th Community Wide Experiment on the Critical Assessment of Techniques for Protein Structure Prediction". It features a "Target List" table with columns for #, Tar-id, Type, Residues, Method, Entry Date, Server Expiration, Human Expiration, and Description. The table lists 14 targets, with some entries marked as "canceled on 2010-05-11". A sidebar menu on the left includes "Data Archive" and "CASP9". An inset window shows a directory index for "/download_area/CASP9" with entries like "Parent Directory", "predictions/", "results LGA sda/", "results LGA sia/", "server pred over50/", "server predictions/", and "targets/".

9th Community Wide Experiment on the Critical Assessment of Techniques for Protein Structure Prediction

Targets expire on specified date at noon (12:00) local time in California (GMT - 7 hours). If information leak occurs after the three weeks since target release, evaluation will be limited to the models submitted within the initial 3 weeks only.

Yellow color - target expires within 48 hours
Orange color - target expires within 24 hours
Red color - target has expired for server TS, AL, DR, RR, FN predictions, but is still open for QA predictions

View: All | [Server only](#) | [Human and Server](#)

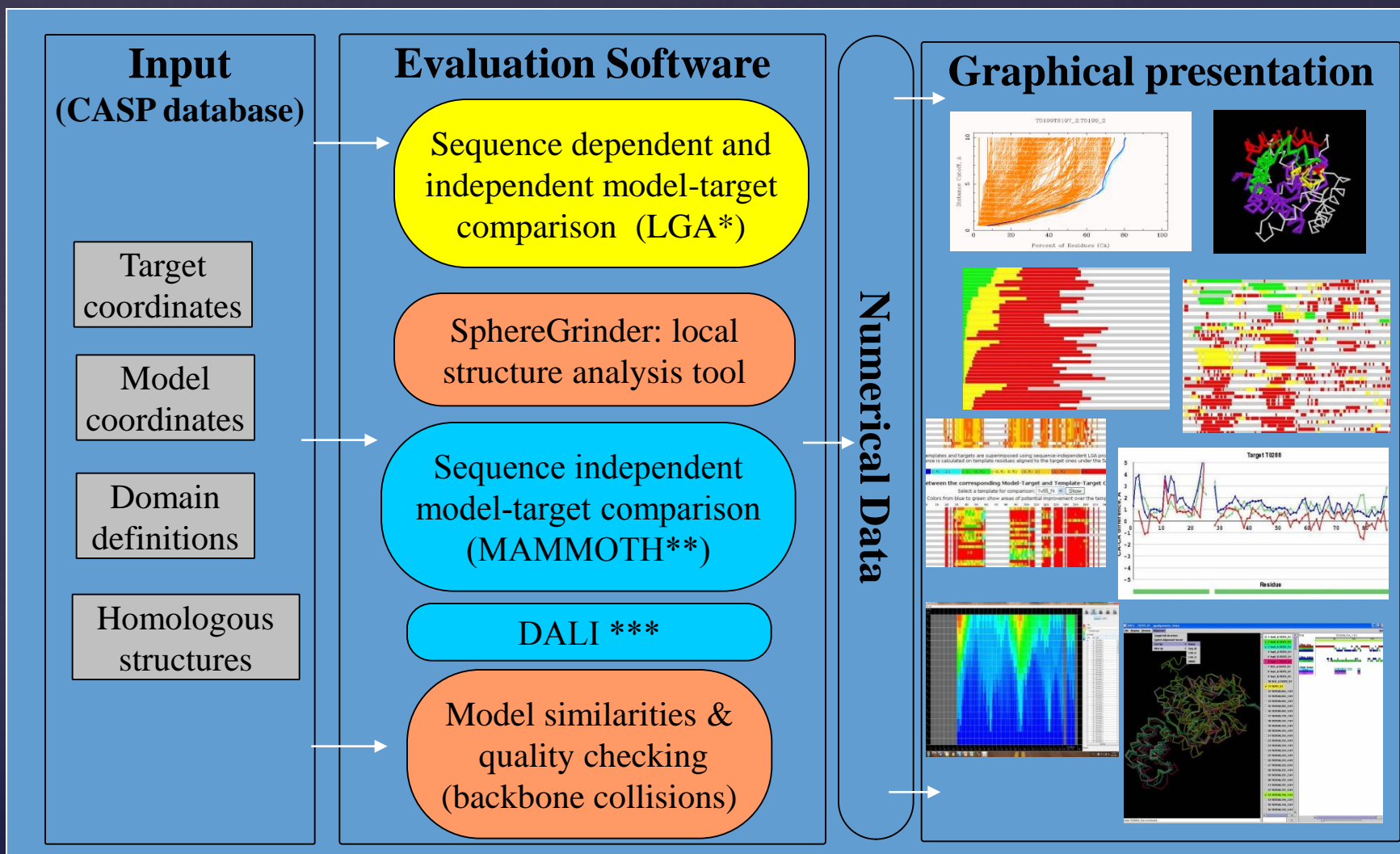
#	Tar-id	Type	Residues	Method	Entry Date	Server Expiration	Human Expiration	Description
1.	T0515	Human/Server	365	X-RAY	2010-05-03	2010-05-06	2010-05-24	Midwest Center for Structural Genomics, putative carboxynorspermidine decarboxylase, Sinorhizobium melliloti PDB code 3mt1
2.	T0516	Server only	229	X-RAY	2010-05-03	2010-05-06	2010-05-24	Joint Center for Structural Genomics, NP_765248.1, Staphylococcus epidermidis atcc 12228 PDB code 3aac
3.	T0517	Human/Server	159	X-RAY	2010-05-04	2010-05-07		
4.	T0518	Server only	288	X-RAY	2010-05-04	2010-05-07		
5.	T0519	Server only	180	X-RAY	2010-05-04	2010-05-07	2010-05-07	canceled on 2010-05-11
6.	T0520	Human/Server	189	X-RAY	2010-05-05	2010-05-08		
7.	T0521	Server only	179	X-RAY	2010-05-05	2010-05-08		
8.	T0522	Server only	134	X-RAY	2010-05-05	2010-05-08		
9.	T0523	Human/Server	120	X-RAY	2010-05-06	2010-05-09		
10.	T0524	Server only	325	X-RAY	2010-05-06	2010-05-09		
11.	T0525	Server only	215	X-RAY	2010-05-06	2010-05-09		
12.	T0526	Human/Server	290	X-RAY	2010-05-07	2010-05-10		
13.	T0527	Server only	142	X-RAY	2010-05-07	2010-05-10		
14.	T0528	Server only	388	X-RAY	2010-05-07	2010-05-10		

Index of /download_area/CASP9

Name	Last modified	Size	Description
Parent Directory		-	
predictions/	24-Nov-2010 14:48	-	
results LGA sda/	26-Nov-2010 17:32	-	
results LGA sia/	26-Nov-2010 17:37	-	
server pred over50/	24-Nov-2010 14:36	-	
server predictions/	21-Jul-2010 07:45	-	
targets/	25-Nov-2010 11:07	-	

Apache Server at predictioncenter.org Port 80

Evaluation of predictions



* - A. Zemla, (2003) LGA: a method for finding 3D similarities in protein structures, Nucleic Acids Research 3.

** - A.R. Ortiz et al. (2002) MAMMOTH (Matching molecular models obtained from theory): An automated method for model comparison), Protein Science 11.

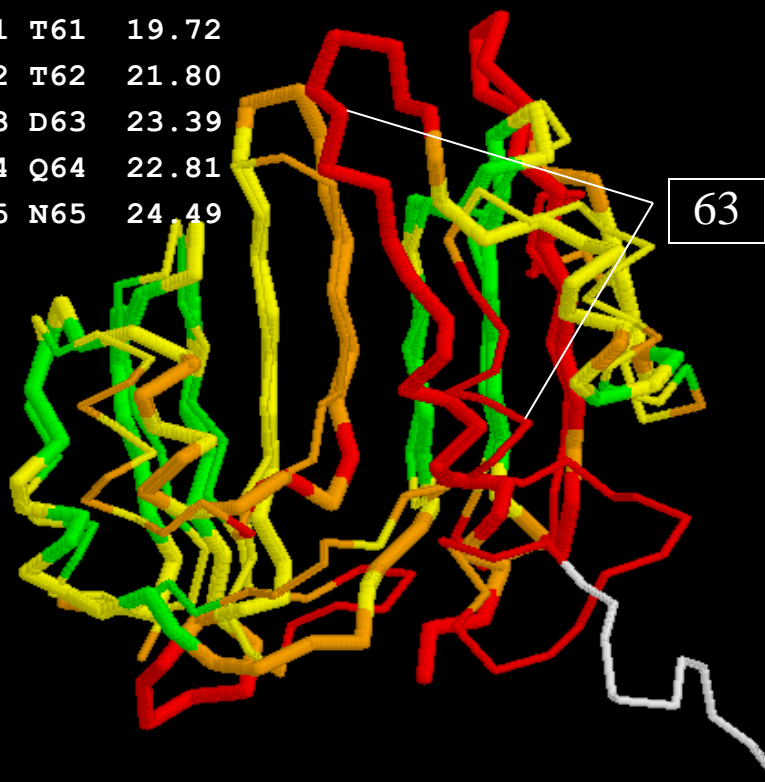
*** - L. Holm et al (2008) Searching protein structure databases with DaliLite v.3, Bioinformatics

LGA-based evaluations

Superpositions

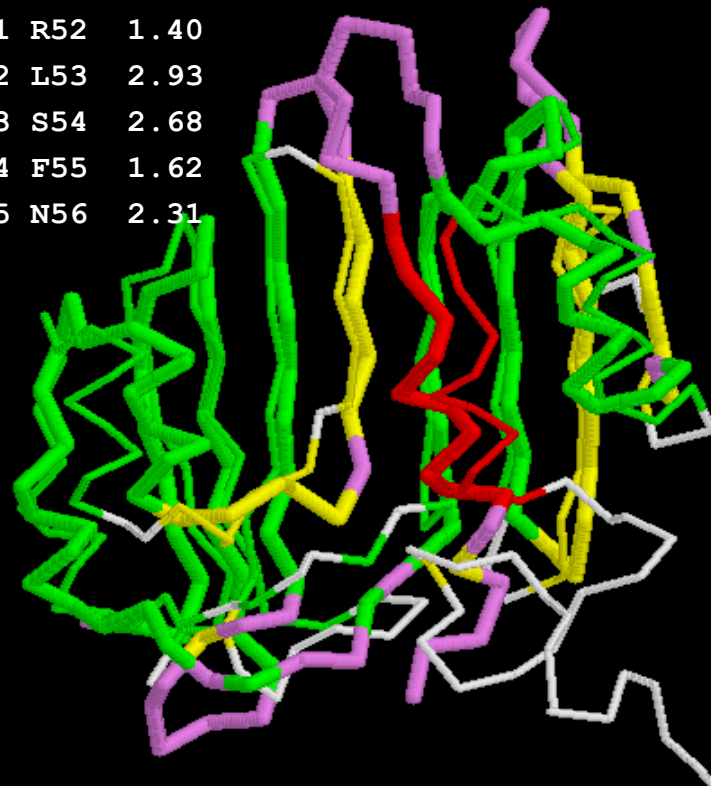
sequence-dependent
GDT_TS

V60	V60	18.08
T61	T61	19.72
T62	T62	21.80
D63	D63	23.39
Q64	Q64	22.81
N65	N65	24.49



sequence-independent
Correctness of Alignment, AL0

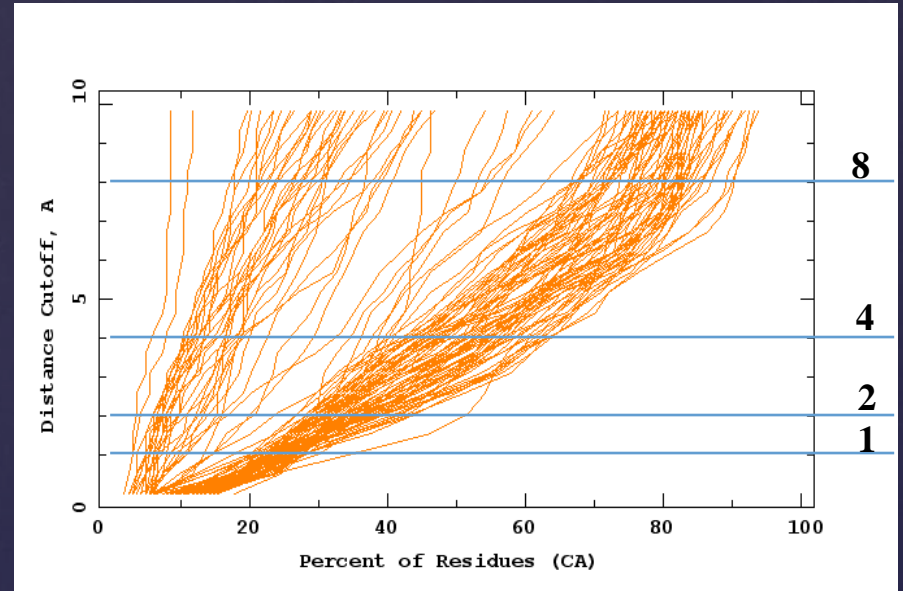
V60	F51	1.38
T61	R52	1.40
T62	L53	2.93
D63	S54	2.68
Q64	F55	1.62
N65	N56	2.31



GDT-TS

$$\text{GDT_TS} = \frac{1}{4} [\text{N1} + \text{N2} + \text{N4} + \text{N8}]$$

$$\text{GDT_HA} = \frac{1}{4} [\text{N0.5} + \text{N1} + \text{N2} + \text{N4}]$$



For relatively accurate comparative models almost all residues will likely fall under the 8Å cutoff, and many will be under 4Å, so that the 1 and 2Å thresholds capture most of the variations in model quality.

In the template free modeling regime few residues fall under the 1 and 2Å thresholds, and the larger thresholds capture most of the variation between models.

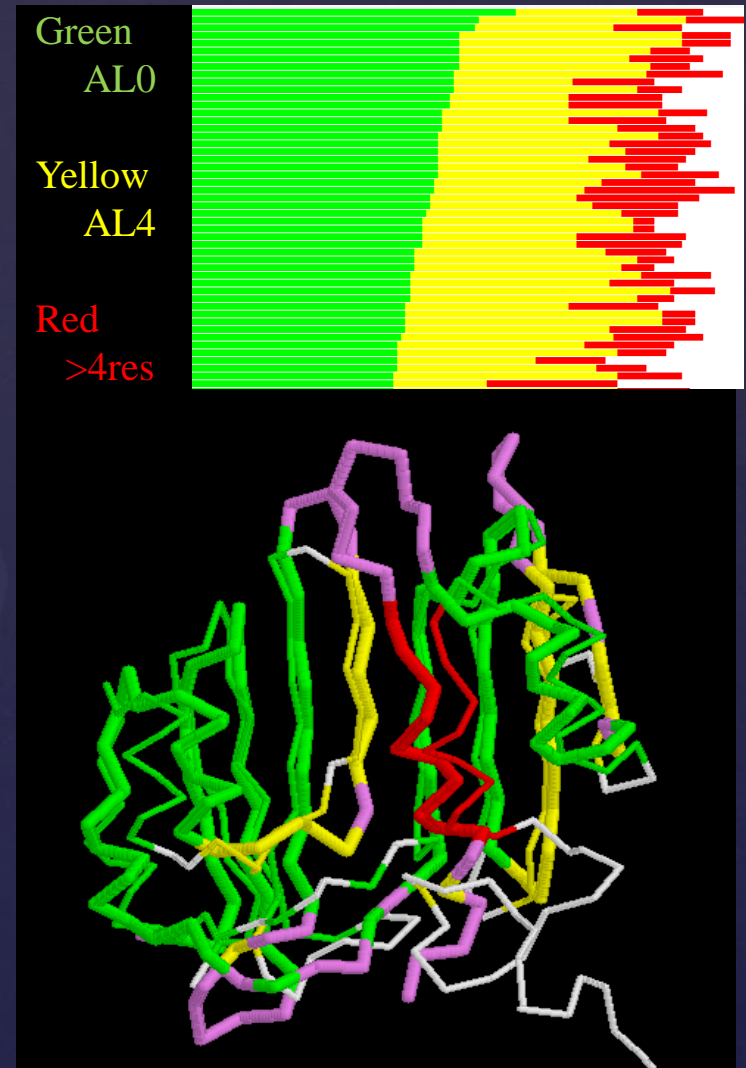
Alignment scores

A model residue is considered to be correctly aligned if its C α atom falls within 3.8Å of the corresponding atom in the experimental structure, and there is no other experimental structure C α atom nearer.

AL0 alignment quality score is the percentage of correctly aligned residues in the model.

AL4 score is the percentage of residues that can be correctly aligned in the model with allowance for 1-4 -residue shift.

Maximum alignability score is the maximum number of C α atoms from a single best template that are possible to align to the target using dynamic programming procedure (obviously, no target-template residue correspondence here).



Results

- ⌘ Raw data at
http://predictioncenter.org/download_area/CASP9/
- ⌘ Simplified version of the Prediction Center website - on the media in your registration packet
- ⌘ Full interactive tables and graphs - at the Prediction Center website (available now but we encourage you to use the data from your DVDs at the meeting)

Evaluate predictions with $nres \geq 20$ for longest segment of domain

For Z-score calculations, use frame that has highest nres for each group and each target

Results in your folders

CASP 9 - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://predictioncenter.org/casp9/CD/data/html/results.1.html

Groups - CASP9 Home - CASP9 - CASP9 Index of /download_are... Index of /download_are... CASP 9 Assessors Home - CASP9

CASP 9

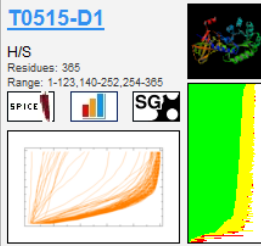
9th Community Wide Experiment on the Critical Assessment of Techniques for Protein Structure Prediction

Results Groups Targets Abstract book

T0515 - T0544 T0545 - T0574 T0575 - T0604 T0605 - T0634 T0635 - T0643

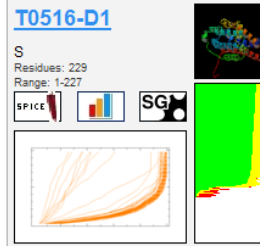
T0515-D1

H/S
Residues: 365
Range: 1-123,140-252,254-365



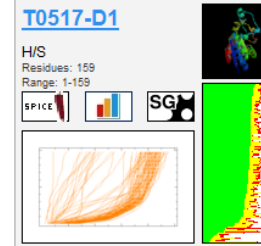
T0516-D1

S
Residues: 229
Range: 1-227



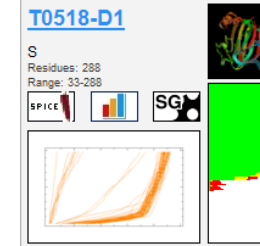
T0517-D1

H/S
Residues: 159
Range: 1-159



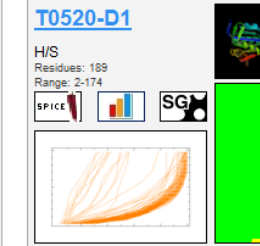
T0518-D1

S
Residues: 288
Range: 33-288




T0520-D1

H/S
Residues: 189
Range: 2-174



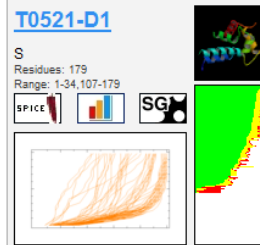
T0521

S
Residues: 179
Range:



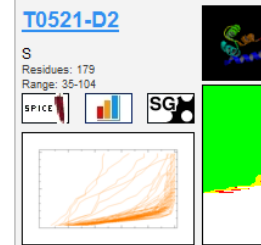
T0521-D1

S
Residues: 179
Range: 1-34,107-179



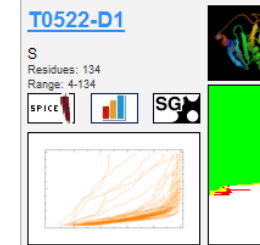
T0521-D2

S
Residues: 179
Range: 35-104



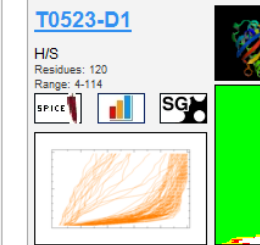
T0522-D1

S
Residues: 134
Range: 4-134




T0523-D1

H/S
Residues: 120
Range: 4-114




T0524-D1

S
Residues: 325
Range: 2-117,119-323




T0525-D1

S
Residues: 215
Range: 9-213




T0526-D1

H/S
Residues: 290
Range: 1-290



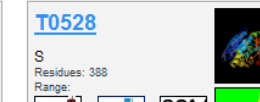
T0527-D1

S
Residues: 142
Range: 20-121



T0528

S
Residues: 388
Range:



x Find: Next Previous Highlight all Match case

Done

Results at the website

Results - CASP9 - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://predictioncenter.org/casp9/results.cgi?view=tables&target=T0525-D1&model=1&groups_id=

Templates Sum... x - CASP9 x Index of /casp9/... x Index of /downl... x CASP9 x Target - CASP9 x GDT Sum

CASP9

9th Community Wide Experiment on the Critical Assessment of Techniques for Protein Structure Prediction

Results List

[Results Home](#) [Table Browser](#) [Refinement Results](#) [Quality Assessment Results](#)

[Tables](#) [GDT Plots](#) [Alignment Summary](#) [Position-specific alignment](#) [Templates](#) [Help](#)

Target: T0525-D1 Group: - All Groups

#	Model	GR#	GR
1.	T0525TS114 1-D1	114	LEE
2.	T0525TS236 1-D1	236 s	gws
3.	T0525TS127 1-D1	127 s	FAMSD
4.	T0525TS361 1-D1	361	LEEcon
5.	T0525TS380 1-D1	380 s	QUAR
6.	T0525TS002 1-D1	002 s	MULTI
7.	T0525TS215 1-D1	215 s	MULTI
8.	T0525TS119 1-D1	119 s	MULTI
9.	T0525TS080 1-D1	080 s	MULTI
10.	T0525TS428 1-D1	428 s	Zhang
11.	T0525TS214 1-D1	214 s	Distill
12.	T0525TS104 1-D1	104	Jones
13.	T0525TS407 1-D1	407	United
14.	T0525TS026 1-D1	026 s	LOOP
15.	T0525TS208 1-D1	208 s	Pcons
16.	T0525TS346 1-D1	346 s	HHpre
17.	T0525TS453 1-D1	453 s	HHpre
18.	T0525TS449 1-D1	449 s	HHpre
19.	T0525TS113 1-D1	113	FAMSS
20.	T0525TS077 1-D1	077 s	Raptor
21.	T0525TS273 1-D1	273 s	Pcomb
22.	T0525TS037 1-D1	037	fams-i
23.	T0525TS366 1-D1	366 s	Jiang
24.	T0525TS228 1-D1	228 s	YASAR
25.	T0525TS276 1-D1	276 s	Raptor
26.	T0525TS286 1-D1	286 s	Raptor
27.	T0525TS056 1-D1	056 s	Pcons
28.	T0525TS321 1-D1	321	BAKER
29.	T0525TS470 1-D1	470	elofss
30.	T0525TS094 1-D1	094	McGuff
31.	T0525TS452 1-D1	452 s	Seok
32.	T0525TS245 1-D1	245 s	PROTA

Menu

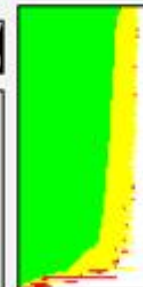
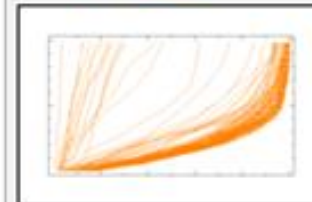
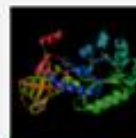
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- [My Personal Data](#)
- [CASP Experiments](#)
 - [CASP9 \(2010\)](#)
 - [Home](#)
 - [My CASP9 profile](#)
 - [Targets](#)
 - [Target List](#)
 - [Refinement Target List](#)
 - [Predictions](#)
 - [CASP9 in numbers](#)
 - [CASP8 \(2008\)](#)
 - [CASP7 \(2006\)](#)
 - [CASP6 \(2004\)](#)
 - [CASP5 \(2002\)](#)
 - [CASP4 \(2000\)](#)
 - [CASP3 \(1998\)](#)
 - [CASP2 \(1996\)](#)
 - [CASP1 \(1994\)](#)
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T0515-D1

H/S

Residues: 385

Range: 1-123,140-252,254-385



RasTop - start_rasmol1

File Edit Molecule Atoms Bonds Surfaces View Window Help

elements properties user sets

start_rasmol1 #2

World Rotate Translate-Zoom Spin Reset Slab for Light Specular for Shade for




Molecule Res Atom world

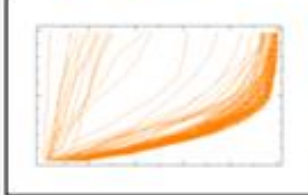
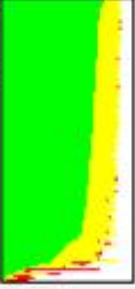
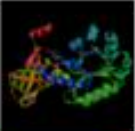
Start My Pictures Eudora CASP6 Pr... Table Bro... Table Bro... http://pre... CASP6 pro... RasTop ... My Documents 10:15 AM

GDT plots

T0515-D1

H/S
Residues: 385
Range: 1-123, 140-252, 254-385

SPICE   SG 



9th Community Wide Experiment on the Critical Assessment of Techniques for Protein Structure Prediction

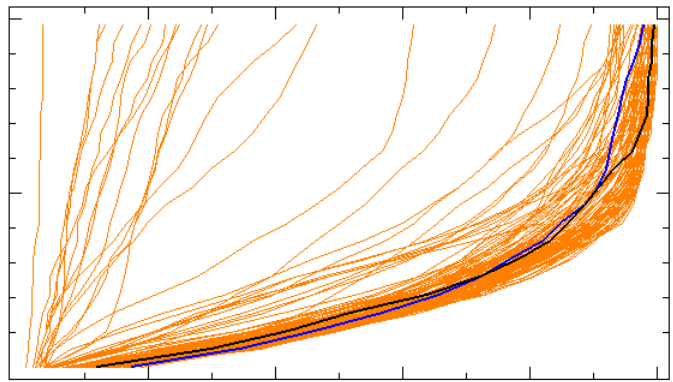
GDT Summary for T0515

[Results Home](#) [Table Browser](#) [Refinement Results](#) [Quality Assessment Results](#)

Tables **GDT Plots** Alignment Summary Position-specific alignment Templates Help

Total number of model #1 submitted for target T0515: 138
GDT analysis: largest set of CA atoms (percent of the modeled structure) that can fit under DISTANCE cutoff: 0.5A, 1.0A, 1.5A, ... , 10.0A

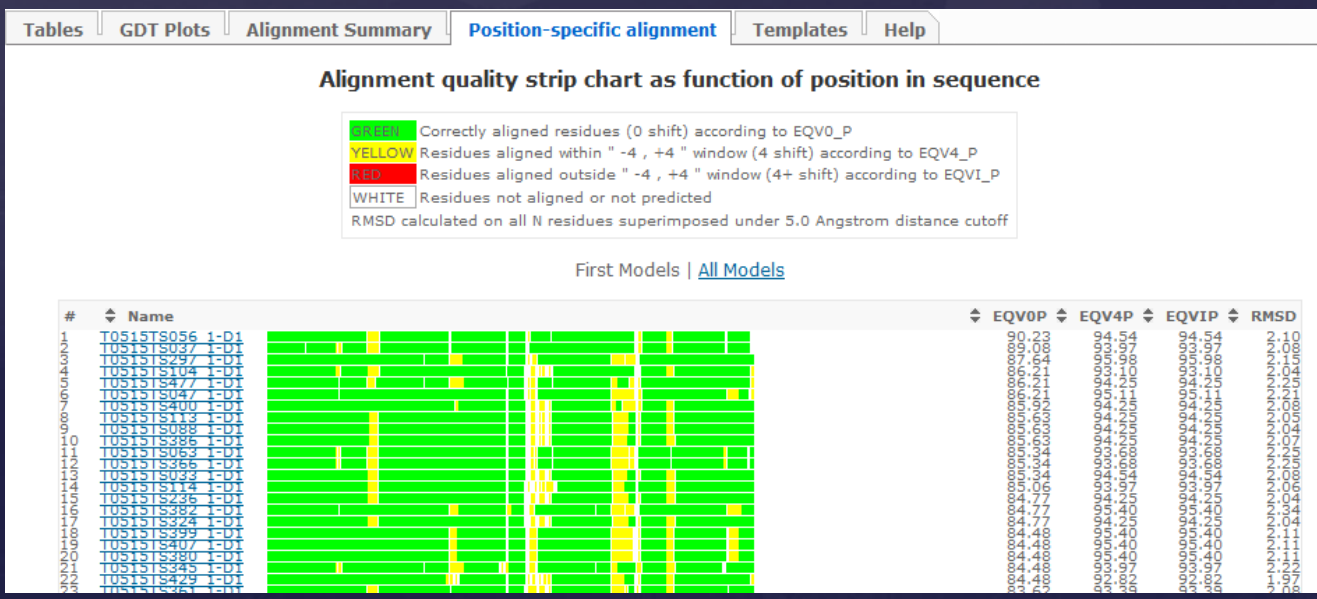
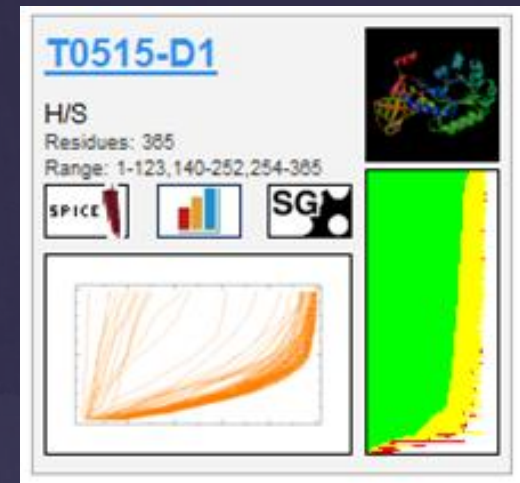
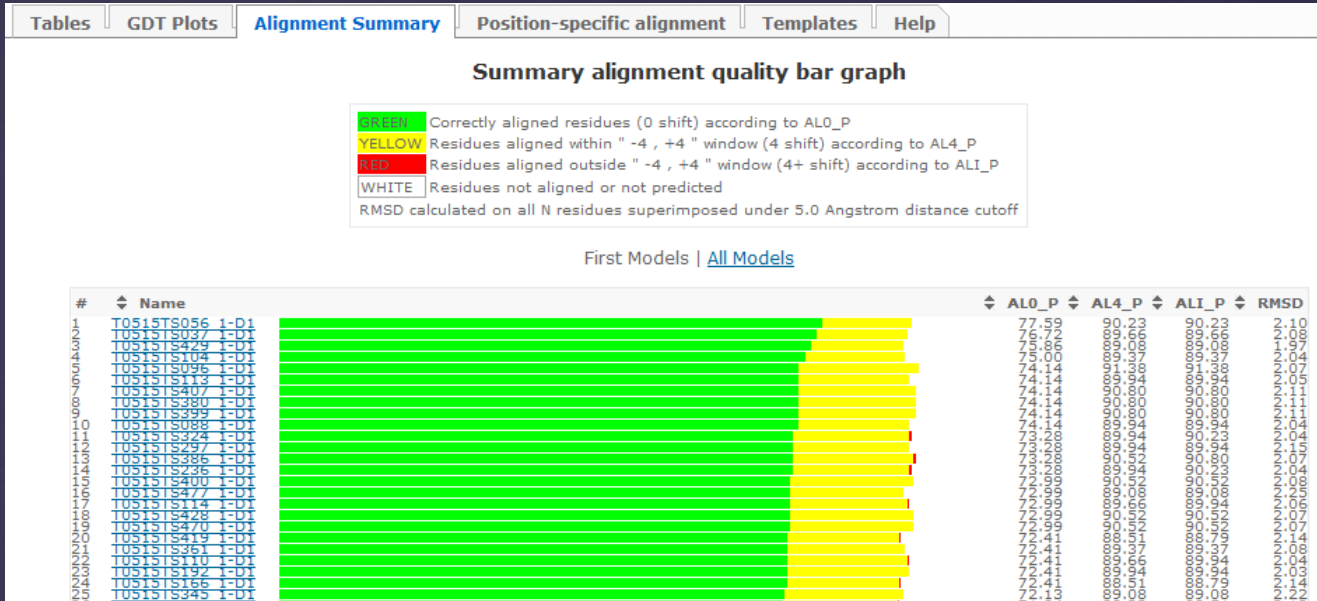
First Models | [All Models](#)



Show groups

- | | | | | | |
|--|--|-------------------------------------|----------------------------------|-------------------------------------|--|
| <input type="checkbox"/> 3D-JIGSAW_V4-0 | <input type="checkbox"/> 3D-JIGSAW_V4-5 | <input type="checkbox"/> ALAdGAP | <input type="checkbox"/> AOBA | <input type="checkbox"/> Atome2_CBS | <input type="checkbox"/> AuroraMBSI |
| <input checked="" type="checkbox"/> BAKER | <input checked="" type="checkbox"/> BAKER-ROSETTASERVER | <input type="checkbox"/> Bates_BMM | <input type="checkbox"/> Ben-Tal | <input type="checkbox"/> BHAGEERATH | <input type="checkbox"/> BHAGEERATH_SCFBIO |
| <input type="checkbox"/> Bilab | <input type="checkbox"/> Bilab-ENABLE | <input type="checkbox"/> Bilab-solo | <input type="checkbox"/> BIO_ICM | <input type="checkbox"/> BioSerf | <input type="checkbox"/> bujnicky-kolinski |

Alignment plots


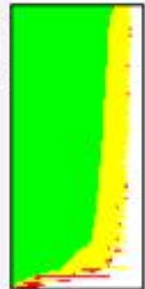
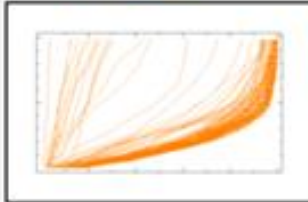


Improvement over the templates

T0515-D1

H/S
Residues: 385
Range: 1-123, 140-252, 254-385

SPICE

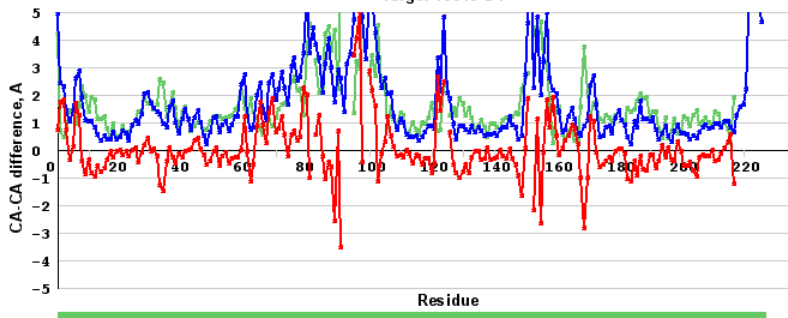




Results Home | Tables | GDT Plots | Alignment Summary | Position-specific alignment | **Templates** | Help

[Selected templates/models](#) | [Models strip charts](#) | [Templates strip charts](#)

Models / 23 Best templates vs targets CA-CA distances

Target T0516-D1



CA-CA difference, A

Residue

View: Templates Model Difference

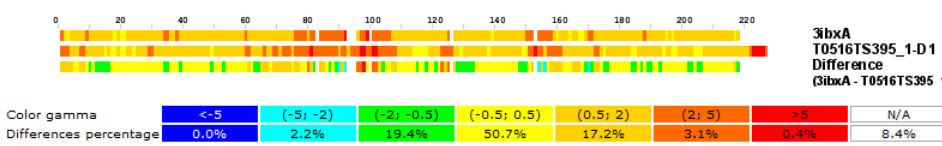
Green line: distance between the aligned CA atoms in a template and the experimental structure in the LGA sequence-independent superposition under the 5A distance cutoff (see LGA description).

Blue line: distance between the corresponding CA atoms in a model and the experimental structure in the LGA sequence-independent superposition under the 5A distance cutoff.

Red line = (blue line) - (green thick line): difference between the corresponding Model-Target and Template-Target CA-CA distances (see above). Negative values show regions where a model has better fit to the target than the template, i.e. areas of potential improvement over the template.

Thin lines: other templates

Green thick line below the graph shows residues in the target used for evaluation



Color gamma

<-5	(-5; -2)	(-2; -0.5)	(-0.5; 0.5)	(0.5; 2)	(2; 5)	>5	N/A
0.0%	2.2%	19.4%	50.7%	17.2%	3.1%	0.4%	8.4%

Top 23 Templates				
#	Templates	LGA_S	RMSD	
1	3ibxA	84.326	1.82	
2	2rd3A	83.542	1.76	
3	2rd3D	83.362	1.8	
4	3ibxD	82.817	1.76	
5	1to9B	81.244	1.88	

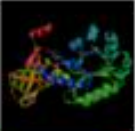
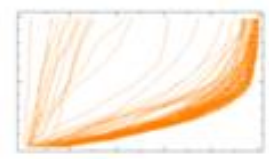
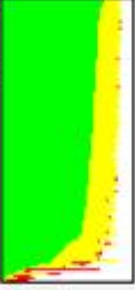
Models					
#	Name	LGA_S	RMSD	GDT_TS	
1	T0516TS395_1-D1	88.046	1.86	79.74	
2	T0516TS395_2-D1	86.334	1.80	79.08	
3	T0516TS428_1-D1	86.849	1.85	78.97	
4	T0516TS470_2-D1	86.849	1.85	78.97	

Improvement over the templates

T0515-D1

H/S
Residues: 385
Range: 1-123, 140-252, 254-385

SPICE

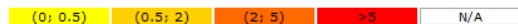
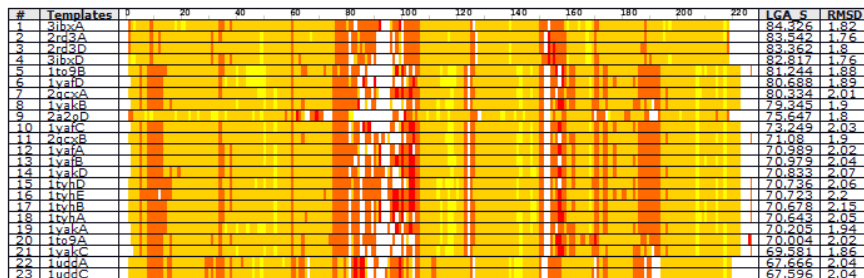
Improvements in models over copying from templates Target: T0516-D1

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[Quality Assessment Results](#)

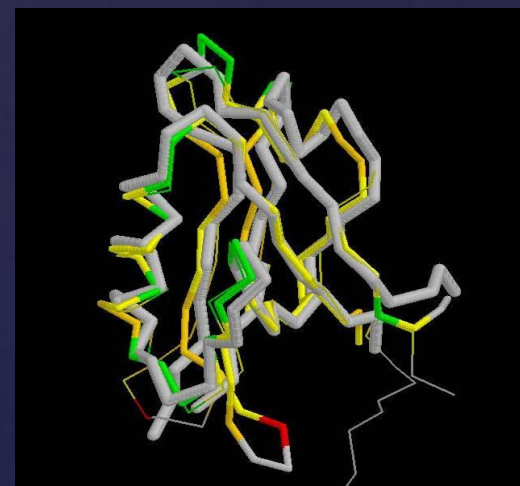
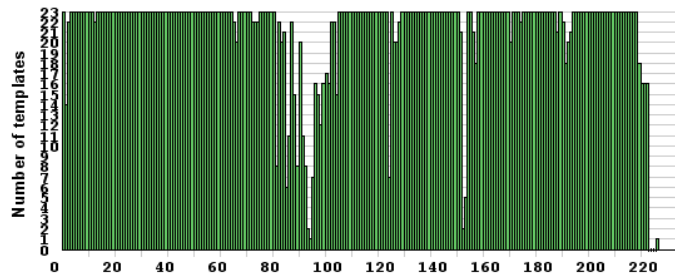
[Tables](#)
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[Alignment Summary](#)
[Position-specific alignment](#)
[Templates](#)
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[Selected templates/models](#) |
 [Models strip charts](#) |
 [Templates strip charts](#)

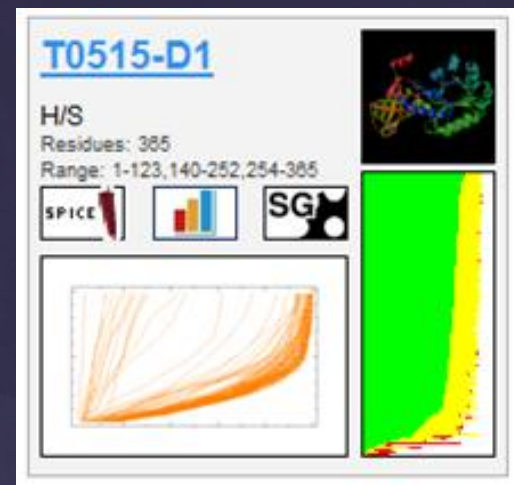
Template - Target CA-CA deviation (23 best templates)



Coverage of the target by the best 23 templates



SPICE: a Java-powered structure comparison tool



File Display Browse Alignment Help

enter RASMOL like command...

1 T0516_D1
2 T0516TS395_1-D
3 T0516TS395_2-D
4 T0516TS470_2-D
5 T0516TS428_1-D
6 T0516TS056_4-D
7 T0516TS037_1-D
8 T0516TS380_1-D
9 T0516TS056_3-D
10 T0516TS481_5-
11 T0516TS407_1-
12 T0516TS481_2-
13 T0516TS395_3-
14 T0516TS481_4-
15 T0516TS228_1-
16 T0516TS208_3-
17 T0516TS056_2-
18 T0516TS056_1-
19 T0516TS470_1-
20 T0516TS228_2-
21 T0516TS208_5-
22 T0516TS208_2-
23 T0516TS088_4-
24 T0516TS490_4-
25 T0516TS490_3-
26 T0516TS380_5-
27 T0516TS104_1-
28 T0516TS490_5-
29 T0516TS319_2-
30 T0516TS275_1-
31 T0516TS273_5-
32 T0516TS273_3-
33 T0516TS173_2-
34 T0516TS119_2-
35 T0516TS094_1-
36 T0516TS001_4-
37 T0516TS470_3-
38 T0516TS429_1-
39 T0516TS208_1-

PDB T0516TS056_1-D1 227

100%

Thanks to
Andreas Prlic (PDB)

Summary plots for a group

Results - CASP9 - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://predictioncenter.org/casp9/results.cgi?view=targets&model=first&groups_id=92&tr_type=all&dm_class=fm

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
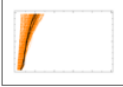


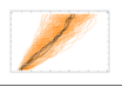




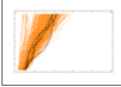


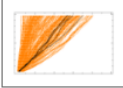


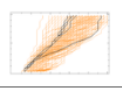


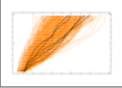


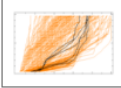


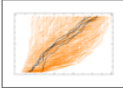


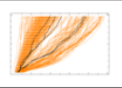


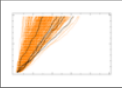


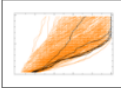


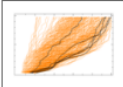


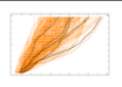




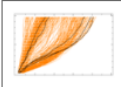












Results for Group: 428 Zhang-Server

Group Number: 428

First Models | All Models

All Classifications | TBM | FM

All Targets | Server | Human/Server

<p>✓ T0529-D1 (FM) H/S Range: 7-339</p>   	<p>✓ T0531-D1 (FM) H/S Range: 6-63</p>   	<p>✓ T0534-D1 (FM) H/S Range: 31-80,257-384</p>   	<p>✓ T0534-D2 (FM) H/S Range: 81-256</p>   
<p>✓ T0537-D1 (FM) H/S Range: 65-350</p>   	<p>✓ T0537-D2 (FM) H/S Range: 351-381</p>   	<p>✓ T0544-D1 (FM) H/S Range: 1-135</p>   	<p>✓ T0547-D3 (FM) H/S Range: 343-421</p>   
<p>✓ T0547-D4 (FM) H/S Range: 554-609</p>   	<p>✓ T0550-D1 (FM/TBM) H/S Range: 31-177</p>   	<p>✓ T0550-D2 (FM) H/S Range: 178-339</p>   	<p>✓ T0553-D1 (FM) H/S Range: 3-65</p>   
<p>✓ T0553-D2 (FM) H/S Range: 66-136</p>   	<p>✓ T0555-D1 (FM) S Range: 12-145</p>   	<p>✓ T0561-D1 (FM) H/S Range: 1-109,112-161</p>   	<p>✓ T0571-D1 (FM/TBM) H/S Range: 32-196</p>   
<p>✓ T0571-D2</p>   	<p>✓ T0578-D1</p>   	<p>✓ T0581-D1</p>   	<p>✓ T0604-D1</p>   

Find: 917

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Done

Refinement results

Templates Summary - CASP9 - Mozilla Firefox

http://predictioncenter.org/casp9/refinement_mdplot.cgi?view=tables&target=TR568

CASP9 Groups - CASP9 Index of /casp9/as... Index of /downloa... CASP9 Target - CASP9 Templates Sum... Groups Analysis - ...



9th Community Wide Experiment on the Critical Assessment of Techniques for Protein Structure Prediction

Improvement in refinement over copying from starting model: TR568

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Refinement target (experimental structure) and refined models /starting model are superimposed using sequence-dependent LGA protocol (4A distance cutoff).

Difference between the corresponding refined model - target and starting model - target CA-CA distances

[Export to CSV file](#)

<-5
 (-5; -2)
 (-2; -0.5)
 (-0.5; 0.5)
 (0.5; 2)
 >5
 N/A

NOTE: The colour scheme refers to both charts



TR568 | 2.00 | 53.35 | 35.05 | 6.963 | 16.753

Colors from blue to green show areas of potential improvement over the starting model

#	Models	D	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	RMSD	GDT_TS	GDT_HA	RMSD_ALL	GDC_SC
1	TR568S1114	1																2.04	59.79	38.56	4.271	15.63
2	TR568S1236	1																2.04	59.79	38.56	4.271	15.63
3	TR568S1488	1																2.06	56.70	34.54	4.317	16.88
4	TR568S1273	1																2.05	56.70	34.54	4.317	16.88
5	TR568S1295	1																2.22	56.70	34.54	4.108	16.88
6	TR568S1377	1																2.14	56.70	37.12	5.144	17.94
7	TR568S1470	1																2.18	56.44	36.34	5.226	16.58
8	TR568S1453	1																2.04	56.44	36.85	4.776	15.69
9	TR568S1453	1																2.22	56.44	36.60	5.798	16.10
10	TR568S1453	1																2.06	56.44	36.34	5.065	17.25
11	TR568S1484	1																2.01	56.44	36.08	5.508	0.00
12	TR568S1477	1																2.13	56.19	36.60	5.757	15.95
13	TR568S1484	1																2.37	55.33	36.60	5.136	17.06
14	TR568S1470	2																2.19	56.93	37.12	6.159	14.35
15	TR568S1470	2																2.05	56.93	37.57	5.159	14.35
16	TR568S1470	2																2.24	55.67	36.60	5.673	15.36
17	TR568S1470	2																2.22	55.67	36.60	5.782	16.23
18	TR568S1470	2																2.22	55.67	36.60	5.782	16.23
19	TR568S1470	2																2.19	55.67	36.34	5.782	17.25
20	TR568S1470	2																2.02	55.67	36.08	5.143	18.61
21	TR568S1484	1																2.37	55.41	36.28	5.145	14.61
22	TR568S1484	1																2.43	55.41	36.28	4.801	14.39
23	TR568S1484	1																2.18	55.41	36.28	5.029	15.00
24	TR568S1484	1																2.18	55.41	36.28	5.127	15.00
25	TR568S1484	1																2.16	55.41	35.82	5.553	17.10
26	TR568S1484	1																2.22	55.41	36.60	5.125	13.79
27	TR568S1484	1																2.17	55.41	36.60	5.614	16.81
28	TR568S1484	1																2.46	55.16	36.48	4.348	13.14
29	TR568S1484	1																2.38	55.16	36.51	4.614	11.80
30	TR568S1484	1																2.14	55.16	36.33	5.131	16.45
31	TR568S1477	1																2.25	55.16	36.34	5.131	16.45
32	TR568S1477	1																2.21	55.16	36.34	5.428	14.24
33	TR568S1477	1																2.25	55.16	36.34	5.428	14.24
34	TR568S1477	1																2.25	55.16	36.34	5.428	14.24
35	TR568S1477	1																2.25	55.16	36.34	5.428	14.24
36	TR568S1477	1																2.25	55.16	36.34	5.428	14.24
37	TR568S1477	1																2.20	55.16	36.33	4.613	13.55
38	TR568S1477	1																2.13	55.16	36.34	5.199	16.10
39	TR568S1477	1																2.10	55.16	36.34	5.199	16.10
40	TR568S1477	1																2.34	55.16	41.28	4.817	13.90
41	TR568S1477	1																2.13	55.16	36.34	5.202	15.71
42	TR568S1477	1																2.10	55.16	36.34	5.199	16.10
43	TR568S1477	1																2.16	54.90	36.82	5.523	16.84
44	TR568S1477	1																2.14	54.90	36.08	6.151	16.56
45	TR568S1477	1																2.03	54.90	36.82	5.431	16.62
46	TR568S1477	1																2.02	54.90	36.82	5.431	16.62
47	TR568S1477	1																2.03	54.90	35.82	6.158	16.52
48	TR568S1477	1																2.41	54.90	36.33	4.274	12.26
49	TR568S1477	1																2.16	54.90	36.82	5.804	16.62
50	TR568S1477	1																2.16	54.90	36.82	5.804	16.62

Find: 917 Next Previous Highlight all Match case

Done


Quality assessment results

Results - CASP9 - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://predictioncenter.org/casp9/qa_analysis.cgi

CASP9 Groups - CASP9 Index of /casp9/as... Index of /downloa... CASP9 Target - CASP9 Results - CASP9 Groups Analysis - ...



9th Community Wide Experiment on the Critical Assessment of Techniques for Protein Structure Prediction

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QA Analysis List

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Target: T0515 Group: - All Groups - Model: - All - Text file

General			QA 1						QA 2						
#	Model	GR#	Model Count	Pearson	Pearson Z-Score	Fisher Zprime	Fisher Zprime Z-Score	Spearman	Average Pearson	Average Pearson Z-Score	Average Fisher Zprime	Average Fisher Zprime Z-Score	Average Mean (per residue difference)	Average Deviation (per residue difference)	
1.	T0515QA078	1	078	300	0.994	0.528	2.946	1.135	0.918	0.707	2.905	0.952	2.768	5.76	5.68
2.	T0515QA397	1	397	300	0.994	0.527	2.933	1.119	0.921	0.706	2.899	0.949	2.758	5.75	5.68
3.	T0515QA308	1	308	300	0.994	0.527	2.925	1.109	0.933	-	-	-	-	-	-
4.	T0515QA312	1	312	300	0.994	0.526	2.918	1.101	0.929	-	-	-	-	-	-
5.	T0515QA407	1	407	290	0.994	0.525	2.888	1.064	0.906	-	-	-	-	-	-
6.	T0515QA359	1	359	300	0.993	0.520	2.814	0.973	0.926	-	-	-	-	-	-
7.	T0515QA002	1	002	300	0.993	0.520	2.814	0.973	0.927	-	-	-	-	-	-
8.	T0515QA236	1	236	300	0.993	0.519	2.805	0.961	0.899	-	-	-	-	-	-
9.	T0515QA371	1	371	300	0.992	0.518	2.782	0.933	0.925	0.103	0.112	0.148	0.123	3.97	3.57
10.	T0515QA114	1	114	300	0.991	0.513	2.725	0.863	0.914	-	-	-	-	-	-
11.	T0515QA369	1	369	300	0.991	0.512	2.706	0.841	0.923	-	-	-	-	-	-
12.	T0515QA426	1	426	300	0.990	0.508	2.668	0.793	0.922	-	-	-	-	-	-
13.	T0515QA386	1	386	300	0.990	0.508	2.666	0.790	0.923	-	-	-	-	-	-
14.	T0515QA273	1	273	290	0.988	0.496	2.553	0.652	0.902	0.031	-0.221	0.034	-0.252	4.26	3.72
15.	T0515QA367	1	367	300	0.986	0.485	2.461	0.539	0.911	0.676	2.758	0.869	2.494	6.19	5.71
16.	T0515QA319	1	319	300	0.985	0.482	2.440	0.513	0.920	0.001	-0.356	0.003	-0.354	6.71	6.59
17.	T0515QA056	1	056	300	0.982	0.468	2.353	0.407	0.925	0.002	-0.355	0.003	-0.354	6.71	6.59
18.	T0515QA490	1	490	300	0.981	0.464	2.327	0.375	0.918	0.679	2.775	1.029	3.022	2.88	2.24
19.	T0515QA417	1	417	300	0.979	0.455	2.282	0.319	0.897	-0.044	-0.567	-0.049	-0.524	7.66	7.08
20.	T0515QA119	1	119	300	0.979	0.453	2.273	0.307	0.909	0.683	2.792	1.034	3.038	2.83	2.16
21.	T0515QA101	1	101	300	0.979	0.452	2.267	0.300	0.783	0.150	0.329	0.160	0.162	6.97	6.47
22.	T0515QA391	1	391	280	0.978	0.451	2.260	0.292	0.858	-	-	-	-	-	-
23.	T0515QA080	1	080	300	0.977	0.444	2.227	0.251	0.897	0.619	2.497	0.920	2.662	3.05	2.33
24.	T0515QA088	1	088	290	0.974	0.431	2.171	0.183	0.807	-	-	-	-	-	-
25.	T0515QA309	1	309	300	0.954	0.332	1.871	-0.186	0.841	-	-	-	-	-	-
26.	T0515QA215	1	215	230	0.947	0.300	1.803	-0.270	0.720	-	-	-	-	-	-
27.	T0515QA032	1	032	290	0.944	0.287	1.777	-0.302	0.616	-	-	-	-	-	-
28.	T0515QA237	1	237	300	0.943	0.278	1.761	-0.321	0.604	-0.206	-1.313	-0.211	-1.057	7.91	7.20
29.	T0515QA001	1	001	290	0.933	0.230	1.678	-0.424	0.476	0.118	0.182	0.120	0.031	4.13	3.57
30.	T0515QA388	1	388	300	0.922	0.181	1.605	-0.513	0.650	-	-	-	-	-	-
31.	T0515QA472	1	472	300	0.918	0.162	1.579	-0.545	0.658	-0.043	-0.561	-0.040	-0.497	7.13	6.61
32.	T0515QA100	1	100	300	0.871	-0.068	1.336	-0.844	0.509	-	-	-	-	-	-
33.	T0515QA090	1	090	300	0.858	-0.131	1.284	-0.908	0.509	-	-	-	-	-	-
34.	T0515QA296	1	296	290	0.745	-0.673	0.961	-1.305	0.258	0.057	-0.100	0.058	-0.173	4.70	4.00
35.	T0515QA183	1	183	300	0.687	-0.952	0.842	-1.452	0.422	-	-	-	-	-	-
36.	T0515QA353	1	353	300	0.634	-1.205	0.748	-1.567	0.480	-	-	-	-	-	-

Find: 917

Next Previous Highlight all Match case

Done


Group performance

Groups Analysis - CASP9 - Mozilla Firefox

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http://predictioncenter.org/casp9/groups_analysis.cgi?type=server&tbmfm=on&fm=on&submit=Filter

Groups - CASP9 Home - CASP9 - CASP9 Index of /download_are... Index of /download_are... CASP 9 Groups Analysis - CASP9



9th Community Wide Experiment on the Critical Assessment of Techniques for Protein Structure Prediction

Group performance

- All groups on server/human targets
- Server groups on server/human + server only targets
- TBM
- TBM/FM
- FM
-

#	GR #	GR name	Domains Count	SUM Z-score (GDT_TS)	AVG Z-score (GDT_TS)	AVG GDT_TS	SUM Z-score (ALOP)	AVG ALOP	AVG GDT_HA	AVG CA(i)-CA(i+1)	AVG Mammoth (Z-Score)	AVG Dali (Z-Score)
1.	380	QUARK	29	31.622	1.090	31.851	0.770	15.176	20.757	3.774	5.292	2.331
2.	428	Zhang-Server	29	26.509	0.914	30.539	0.871	17.064	19.802	3.777	4.995	2.248
3.	119	MULTICOM-REFINE	29	22.415	0.773	28.971	0.648	12.467	18.706	3.765	3.837	2.286
4.	457	chunk-TASSER	29	20.696	0.714	28.626	0.790	13.598	18.405	3.799	4.121	1.997
5.	286	RaptorX	29	19.744	0.681	27.730	0.751	12.746	17.231	3.771	4.656	2.379
6.	077	RaptorX-MSA	29	19.329	0.667	27.494	0.588	9.617	16.822	3.758	4.601	2.469
7.	002	MULTICOM-CLUSTER	28	19.310	0.690	28.991	0.759	12.521	18.589	3.769	3.849	2.221
8.	321	BAKER-ROSETTASERVER	29	18.963	0.654	27.118	0.840	12.308	18.425	3.799	3.090	1.528
9.	253	pro-sp3-TASSER	29	18.872	0.651	27.996	0.649	13.384	17.899	3.799	3.719	1.666
10.	276	RaptorX-Boost	29	18.277	0.630	27.400	0.643	10.804	16.974	3.774	4.596	2.348
11.	215	MULTICOM-NOVEL	29	18.257	0.630	27.813	0.579	11.462	17.707	3.769	3.557	2.117
12.	055	MUFOLD-MD	28	16.900	0.604	24.986	0.571	10.080	16.174	3.790	3.213	1.121
13.	080	MULTICOM-CONSTRUCT	29	16.582	0.572	27.219	0.562	11.049	17.571	3.771	3.987	2.007
14.	063	Jiang_Assembly	29	14.717	0.507	26.249	0.352	8.480	16.772	3.802	3.110	1.400
15.	236	gws	29	13.915	0.480	26.002	0.351	8.932	16.665	3.783	3.180	2.076
16.	047	BioSerf	29	13.581	0.468	24.716	0.550	8.189	16.071	3.819	3.041	1.372
17.	103	SAM-T08-server	29	12.686	0.437	24.618	0.423	8.374	16.086	3.917	3.028	1.372
18.	452	Seok-server	29	12.552	0.433	24.762	0.373	6.300	15.883	3.758	3.317	1.621
19.	481	MUFOLD-Server	29	10.590	0.365	23.567	0.377	6.354	15.180	3.786	2.367	1.028
20.	174	Phyre2	29	10.385	0.358	24.465	0.515	7.269	15.826	3.804	2.807	1.097

Find: Next Previous Highlight all Match case

Done

Target: T0642

Target:	T0642
Type:	Server only
Entry Date:	2010-07-17
Server Expiration Date:	2010-07-20
Human Expiration Date:	2010-07-31

Protein:	JOKE1
Organism:	Homo sapiens
Residues:	387
Method:	X-RAY

Additional Information:

Sequence: [\(Plain text version\)](#)

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>T0642 JOKE1, Homo sapiens, 387 residues
MDEARCASPERSTERRIFICNEWSYESTERDAYWERERELEASEDTHELASTSEQINTHENI
NTHCASPPLEASEGETRESTEDANDLETASSESSMENTDETERMINETHEESTSCIENTI
FICCENTERSTHISTARGETISDIFFERENTANDHASVERYSPECIFICSHAPEWILLCH
ECKITATTHEMEETINGINPACIFICGRVEHAHALASTWCFINALISTSITALYANDFRA
NCEWEREELIMINATEDINPRELIMINARYMATCHESSPAINWINAGAINSTNETHERLA
NDSINFINALINTERESTINGENDINGHAVEANICEFALLMERRYCHRISTMASANDHAP
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T0642 JOKE1, Homo sapiens, 387 residues

MDEARCASPERSTERRIFICNEWSYESTERDAYWERERELEASEDTHELASTSEQINTHENIN
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FICCENTERSTHISTARGETISDIFFERENTANDHASVERYSPECIFICSHAPEWILLCH
ECKITATTHEMEETINGINPACIFICGRVEHAHALASTWCFINALISTSITALYANDFRA
NCEWEREELIMINATEDINPRELIMINARYMATCHESSPAINWINAGAINSTNETHERLA
NDSINFINALINTERESTINGENDINGHAVEANICEFALLMERRYCHRISTMASANDHAP
PYNEWYEARTAKEITEASYANDSMILE

M DEAR CASPERS, TERRIFIC NEWS! YESTERDAY WE RELEASED THE
LAST SEQ IN THE NINTH CASP. PLEASE GET RESTED AND LET
ASSESSMENT DETERMINE THE BEST SCIENTIFIC CENTERS. THIS
TARGET IS DIFFERENT AND HAS VERY SPECIFIC SHAPE. WILL
CHECK IT AT THE MEETING IN PACIFIC GRVE. HAHA. LAST WC
FINALISTS ITALY AND FRANCE WERE ELIMINATED IN PRELIMINARY
MATCHES. SPAIN WIN AGAINST NETHERLANDS IN FINAL.
INTERESTING ENDING. HAVE A NICE FALL, MERRY CHRISTMAS AND
HAPPY NEW YEAR! TAKE IT EASY AND SMILE 😊

1D prediction

IS THAT THE FIRST ATTEMPT AT A CASP PRANK TARGET IN NEARLY
SEVENTEEN YEARS I THINK IT IS REGARDS DAVID

T0642: 3D prediction from the Sternberg group

