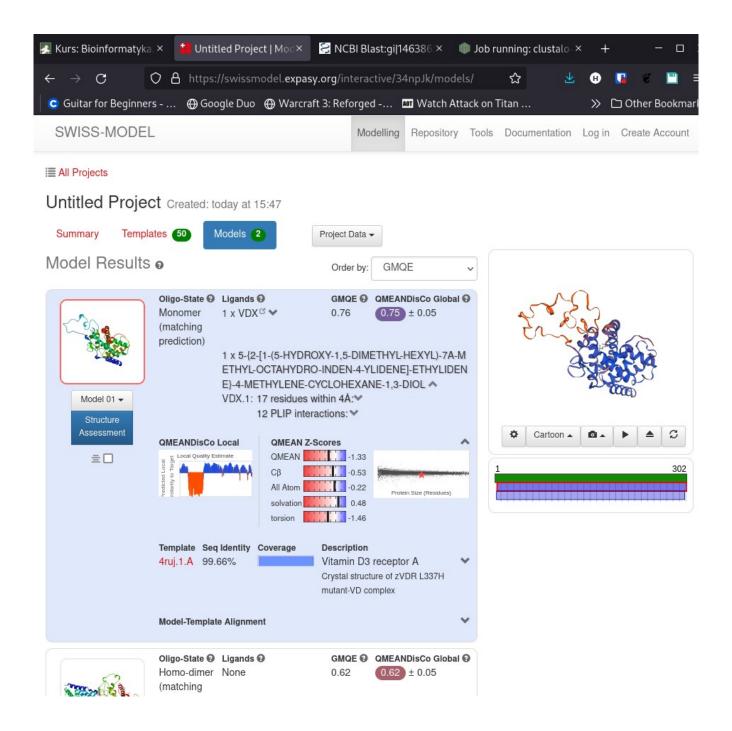
Łatwy cel



Other reports

Distance tree of results Multiple

alignment MSA viewer ?

Descriptions Graphic Summary Alignments Taxonomy

Sequences producing significant alignments

Download
Select columns
Show

select all	100 sequences selected
------------	------------------------

<u>GenPept</u>	Graphics Dis	stance tree	e of res	<u>sults</u>	<u>Multip</u>	<u>le align</u>	ment New	MSA	A Viewer
Description		Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accessio
Chain A, Vitamin D receptor [Danio rerio]	<u>]</u>	Danio rerio	619	619	100%	0.0	100.00%	302	<u>2HBH_A</u>
Structure-activity relationship study of vitamin D a	ınalogs with oxol [Danio rerio	618	618	100%	0.0	100.00%	317	<u>5NMB_2</u>
 Crystal structure of zVDR L337H mutant-VD com 	plex [Danio rerio] [Danio rerio	616	616	100%	0.0	99.67%	302	4RUJ_A
 Development of synthetically accessible non-second 	osteroidal hybrid [Danio rerio	615	615	99%	0.0	100.00%	300	4FHH_A
 Crystal structure of the VDR LBD complexed to s 	eocalcitol [Homo <u>H</u>	Homo sa	377	377	100%	2e-132	63.87%	263	1S0Z_A
Synthesis, Structure, and Biological Activity of de	s-Side Chain An I	Homo sa	377	377	100%	3e-132	63.87%	280	<u>3P8X_A</u>
Crystal Structure Of The Nuclear Receptor For Vi	tamin D Comple <u>I</u>	Homo sa	375	375	98%	9e-132	64.67%	259	1DB1_A
 Crystal structure of the human vitamin D receptor 	(<u>H305F) ligand</u> <u>F</u>	Homo sa	374	374	100%	3e-131	63.55%	263	3A2I_A
 Crystal structure of the human vitamin D receptor 	(<u>H305F/H397F</u>) <u>H</u>	Homo sa	371	371	100%	4e-130	63.23%	263	3A2J_A
Human VDR ligand binding domain in complex w	ith maxacalcitol [<u>F</u>	Homo sa	370	370	97%	7e-130	64.86%	254	3B0T_A
Crystal Structure Analysis of Vitamin D receptor [Homo sapiens] <u>I</u>	Homo sa	370	370	97%	9e-130	64.86%	253	3AZ1_A

100 🗸

Clustal Omega

Input form

Web services

Help & Documentation

Bioinformatics Tools FAQ

Tools > Multiple Sequence Alignment > Clustal Omega

Results for job clustalo-I20220201-150345-0977-5895192-p2m

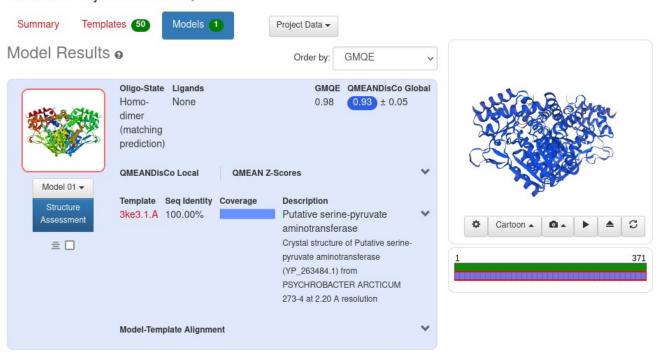
Alignments Resu	ult Summary Phyloge		nylogen	etic Tree	Results Vi	ewers	Submis	sion Details
Download Alignm	ent File	Show	Colors					
CLUSTAL O(1.2.4) multiple sequence alignment								
gi 146386501 The 2HBH_A				DDSYSDFVRF	RPPVREGPVTRSA: RPPVREGPVTRSA:	SRAASLHS	SLSDAS	60 60
i 146386501 The HBH_A	SDSFNHSPE	ESVDTKLN	FSNLLMMY	QDSGSPDSSE	EDQQSRLSMLPHL EDQQSRLSMLPHL ***********	ADLVSYS1	QKVIG	120 120
i 146386501 The HBH_A	FAKMIPGFF	RDLTAEDQ	IALLKSSA	IEIIMLRSNOS	FSLEDMSWSCGG FSLEDMSWSCGG	PDFKYCI		180 180
146386501 The BH_A					LSPDRPGVQDHV LSPDRPGVQDHV			240 240
i 146386501 The HBH_A	QAYIRIQHE	PGGRLLYA	KMIQKLAD	LRSLNEEHSK)YRSLSFQPEHSM)YRSLSFQPEHSM ********	QLTPLVLE	VFGSE	300 300
gi 146386501 The 2HBH_A	VS VS **	302 302						

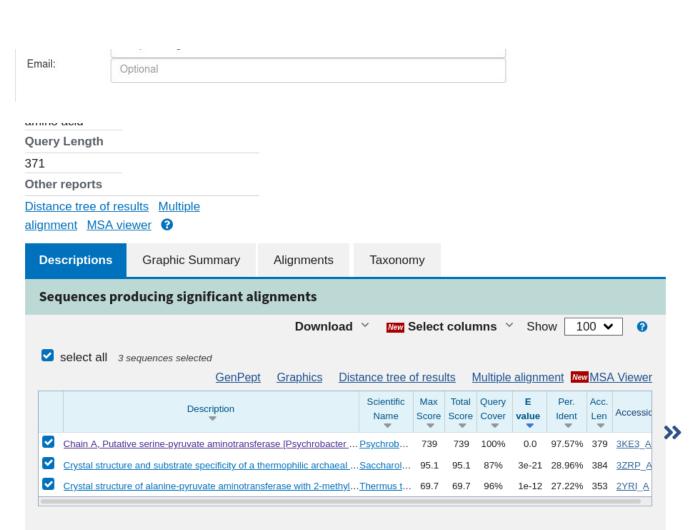
PLEASE NOTE: Showing colors on large alignments is slow.

lab14_protein2.pdb



Untitled Project Created: today at 16:47





Results for job clustalo-I20220201-155049-0014-92730217-p1m

Alignments Result Summary Phylogenetic Tree Results Viewers Submission Details Download Alignment File | Show Colors CLUSTAL 0(1.2.4) multiple sequence alignment -----DIDPNGLLEYSVV-YTDRALNHMSKAFQEVMNDLLSNLKTVY---NAEAAVIIP 50 original template MDKLLLHVGPTTIKEDVLVAGLENNVGFTSKEFVEALAYSLKGLRYVMGASKNYQPLIIP .:.*. : * :* :. :.. ** * *.: *..*: * GSGTYGMEAVARQLTIDEDCLIIRNGWFSYRWTQILEKGKFAKSSTVLTAERTEDTEAPK 110 original GGGTSAMESVTSLLKPNDKILVVSNGVFGDRWEQIFKRYPVNVK--VLRPSPG-D----template 112 *.** .**:*: *. ::. *:: ** *. ** **::: . . . ** original PFAPVDIETAVAKIKEDKSAIVYAPHVETSSGIILSEEYIKALSEAVHSVGGLLVIDC-I 169 YVKPGEVEE---EVRKSEYKLVALTHVETSTGVREPV---KDVINKIRKYVELIVVDGVS 166 template ***** original ASGCVWLDMKELGIDVLISAPQKGWSSTPCAGLVMLSAAAIKKVESTE-SNCFSLDLKQW 228 SVGAEEVKAEEWNVDVYLTASQKALGSAAGLGLLLLSPKALSILDSQNSIAGYYLDLRNW template 226 : *. :.:* ::* **. .*: **::** *:.::* : original LTIMRAYENGGHAYHATMPTDSLRQFRDAILEAKEIGFDILRDAQWELGNRVRKVLTDKG 288 LPVMRGAEEGKAAYFATPPVHVILQLAEAFRLIEKEGIENRIKRHTMVASAIRAGLEALG template 286 * :**. *:* **.** *.. : *: :*: :: *:: IESVAAEG--F--EAPGVVVSYTERDDMHKGSAFAEAGLQIAAGVPLKVGEPDNFKTFRL original 344 LEIVARRPESYSNTVTGVILKVADPQKVL-----AGTVNEGVEFAPGVHPAFKYFRI 338 template :* ** . : . **::. :: :.: GLFGLDKLTDIDGTVERFEKALDEV------LA--original 371 GHMGWVTPNDAIIAISVIERTLRKLGEPIRFGEGVKAVEEVLFSAR 384 template

PLEASE NOTE: Showing colors on large alignments is slow.

* :* . .* ::. :*::* ::

Start a New Modelling Project @

For the uploaded target-template alignment, 10 biounits and / or chains were found to match your template. Please select which biounit you wish to use as the template.

You can avoid this step by using the SMTL ID as the template name in your input alignment, (SMTL ID is <PDB ID>.
biological assembly>.<Chain ID>)

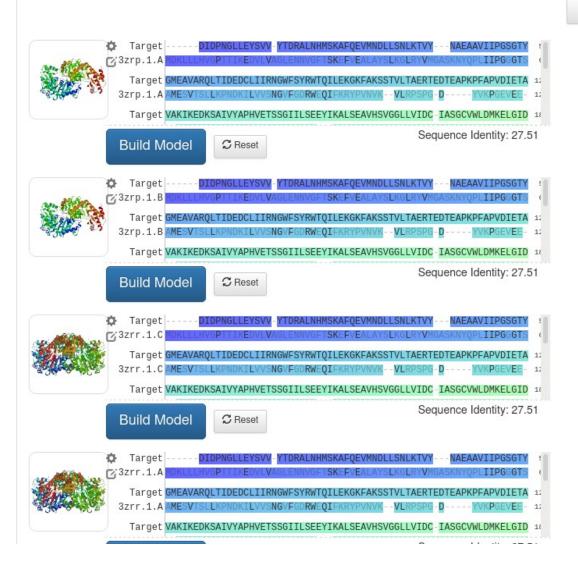
Supported Inputs

Sequence(s)

Target-Template Alignmen

User Template

DeepView Project



FATCAT comparison of structures original and model

(Structure pairs with P-value < 0.05 are significantly similar. For explanation see help (1)

These two structures are significantly similar with P-value (1) of 0.00e+00 (raw FATCAT score (1) is 654.27)

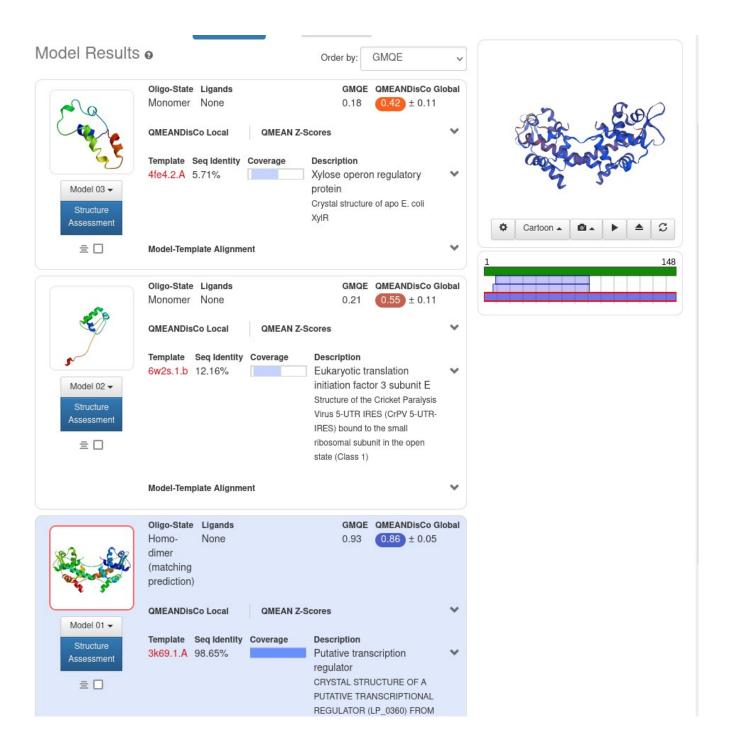
They have 335 equivalent positions with an RMSD (1) of 2.75Å without twists (1).

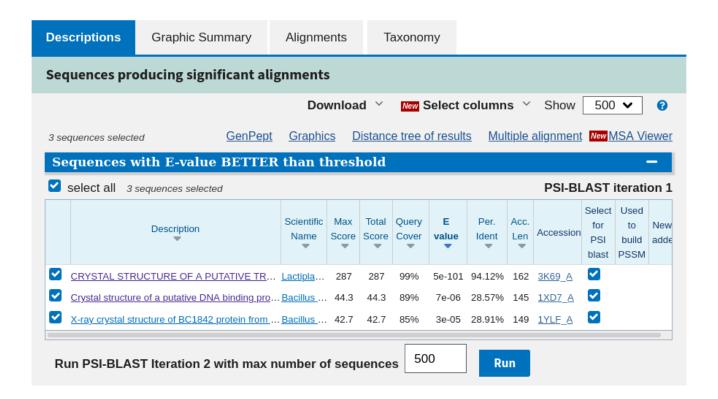
Detailed results:

- FATCAT alignment file [2]
- Graph of FATCAT chaining result
 □ (postscript version ♣)
- Superimposed structures & (a pdb file with structure original and modified structure model stored as chains A and B)
- Transformation matrices for alignment blocks &
- Differential Distance Matrix Decomposition
- Get the 'complete' structure of model superimposed onto original; or the 'complete' structure of original superimposed onto model (help)

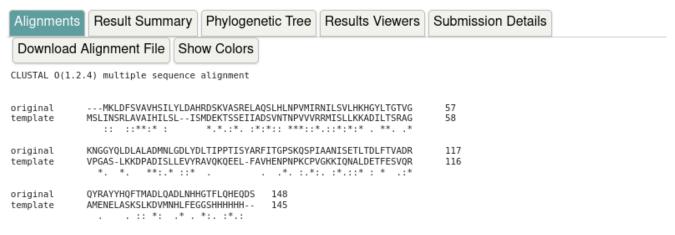
The results are stored for one month(s)

lab14_protein3.pdb



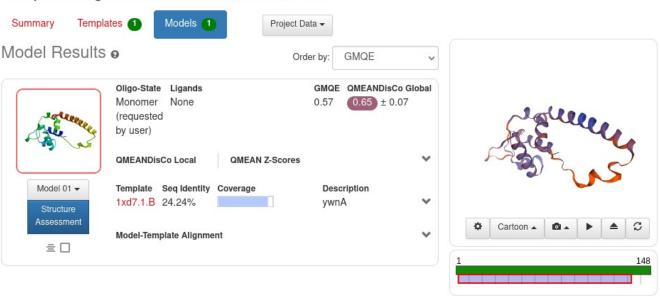


Results for job clustalo-I20220202-021129-0020-88826466-p1m



All Projects

Template Alignment: 1xd7.1 Created: today at 03:12



FATCAT comparison of structures original and model

(Structure pairs with P-value < 0.05 are significantly similar. For explanation see help (1)

These two structures are significantly similar with P-value (1) of 1.22e-10 (raw FATCAT score (1) is 260.91)

They have 128 equivalent positions with an RMSD (1) of 3.04Å without twists (1).

Detailed results:

- FATCAT alignment file
- Graph of FATCAT chaining result [2] (postscript version ...)
- Superimposed structures (a pdb file with structure original and modified structure model stored as chains A and B)
- Transformation matrices for alignment blocks &
- Differential Distance Matrix Decomposition
- Get the 'complete' structure of model superimposed onto original; or the 'complete' structure of original superimposed onto model (help)
- Interactive viewer (2) (structures, alignment, contact map)

The results are stored for one month(s)