Xiao Lab

3dRNA/DNA

An RNA and DNA tertiary structure prediction method

New Task	Task Index	Result	Guide	Statistics

Information for 3dRNA Web Server Job 3de1486b-e786-4e54-a5c7-5c24b4ec2d6c

Download The Results

[Parameters]   [3dRNA output]   [All Structures]

[1]   [2]   [3]   [4]   [5]   [6]   [7]   [8]

Check The Predicted Structures

Display Style

Cartoon ⌄

Color By

model ⌄

Model Selection

☐ Select All

☐ 1   ☐ 6
☐ 2   ☐ 7
☐ 3   ☐ 8
☐ 4
☐ 5

spin
Reset

Scores by 3dRNA/DNAscore(the lower the better)

Model	1	2	3	4	5	6	7	8
Score	24.6512	24.5769	24.7159	24.7186	24.3335	24.6518	24.6197	24.6361

Job Parameters

Key	Value
email	null
uuid	3de1486b-e786-4e54-a5c7-5c24b4ec2d6c
name	EHI_016130
version	Program:2.0 Lib:Lib_1
seq	CUCCUCCAGCAAAGACAAACUGCUGCACCUGCACCAGCUAUGGAAAUUUGUUAGCUGAU AUUAGAAGUGGUAUUACUCUUAGGUCAGCUGCUGAUAGAAAAUUAGACACUGCCGCACC UGUUGUCAGUGAUGCAGGAAAACAAGAUUUGAC
num	8
num_samplings	1
_minimize	no
_pred_ss	......(((((.........)))))..(((((((((....)))........((((((((...(((.(((....))))))...)))))))))((((.....))))).((((((. ((....)).).))))).)))))...............
constraints_type	none
_ss_method	RNAfold
loop_building	partial_dg
_assemble	yes
_mol_type	rna
_rna_type	circular
_routine	optimize
state	finished
error_msg	null
created_at	2026-01-20 09:56:35
updated_at	2026-01-20 10:01:11
current_step	compressing

Cite Our Work

You can cite our work like this:

- Zhang Y, Xiong Y, Xiao Y. 2022. '3dDNA: A Computational Method of Building DNA 3D Structures', Molecules, 27:5936.
- Zhang, Y., J. Wang, and Y. Xiao. 2022. '3dRNA: 3D Structure Prediction from Linear to Circular RNAs', Journal of Molecular Biology, 434: 167452.
- Zhang, Y., J. Wang, and Y. Xiao. 2020. '3dRNA: Building RNA 3D structure with improved template library', Computational and Structural Biotechnology Journal, 18: 2416-23.
- Wang, Jun, Jian Wang, Yanzhao Huang, and Yi Xiao. 2019. '3dRNA v2.0: An Updated Web Server for RNA 3D Structure Prediction', International Journal of Molecular Sciences, 20: 4116
- Wang, J., K. K. Mao, Y. J. Zhao, C. Zeng, J. J. Xiang, Y. Zhang, and Y. Xiao. 2017. 'Optimization of RNA 3D structure prediction using evolutionary restraints of nucleotide-nucleotide interactions from direct coupling analysis', Nucleic Acids Research, 45: 6299-309.

- Wang, J., Y. Zhao, C. Zhu, and Y. Xiao. 2015. '3dRNAscore: a distance and torsion angle dependent evaluation function of 3D RNA structures', Nucleic Acids Research, 43: e63.
- Zhao, Y., Y. Huang, Z. Gong, Y. Wang, J. Man, and Y. Xiao. 2012. 'Automated and fast building of three-dimensional RNA structures', Sci Rep, 2: 734