

Secondary Structure Prediction Display User Guide

Sequence ?

MHGLQDDPDLQALLKGSQLLKVKSSSWRRERFYKLQEDCKTIWQESRKVM
RSPESQLFSIEDIQEVRMGHRTEGLEKFARDIPEDRCFSIVFKDQRNTLD
LIAPSPADAQHVVQGLRKIIHHSMDQRQK

Enter a protein sequence for prediction.
-Only a single sequence is accepted.
-Sequence must be between 40 and 4000 characters.
-Each site has its own maximum sequence length.
-Only the following characters are allowed:
A,R,N,D,C,E,Q,G,H,I,L,K,M,F,P,S,T,W,Y,V
-Spaces will automatically be removed.

Clears the sequence box of all text.

Clear Sequence

Generate Random Sequence

Results can be sent to a given email address.

-A confirmation email will be sent upon submission.

-An email will be sent when all predictions are complete.

Email (Optional): cekidod845@mail1.top ?

Send sequence to: ?

☒ JPred ☒ PSIPred ☒ PSSPred
☒ RaptorX ☒ SABLE ☒ YASPIN
☒ SSPro

Select which sites the sequence should be sent to for prediction.
-At least one site should be selected.

☒ Known Structure ?

Structure Id: 1mai

Chain Id: A

Optional. If the entered structure id and chain id are from a valid known structure, then the known elements will be displayed in the output.
-Both the structure id and chain id must be entered.
-Chain id's are case sensitive (a is not the same as A).
-If a valid structure is given, it will be used as the input sequence instead, even if the inputted sequence does not match it.

Resets the form by reselecting all sites and clearing all input.

Reset

Submit

Instances Running:

PSI: 0
Yaspin: 1
PSS: 1 (MAX 3)
JPred: 0
Sable: 1
RaptorX: 0
SSPro: 2 (MAX 5)

Displays which sites are currently running for a prediction, and how many at once.
-Sites will only be sent a sequence if the number of instances are below the maximum allowed inputs.
-Sites that are currently at their maximum allowed instances will fail to produce any predictions.
-Use the desktop version of this application to avoid dealing with instance limits.

Maximum Sequence Lengths

Site	Maximum Sequence Length
JPred	800
PSIPred	1500
PSSPred	4000
RaptorX	4000
SABLE	4000
YASPIN	4000
SSPro	400