

# Jpred 4

Incorporating Jnet

Submitting multiple  
sequence alignment



# Submitting MSA to JPred

## Jpred 4 Incorporating Jnet

A Protein Secondary Structure Prediction Server

- Home
- About
- News
- F.A.Q.
- Help & Tutorials
- Contact
- Publications

1. Click to show advanced options

Input sequence(?)  
MQVWPIEGIKKFETLSYLPPLTVEDLLKQIEYLLRSKWVPCLEFSKVGIFYREHRSPPGYDGRYWT  
MWKLPFMFGCTDATQVLKELEEAKKAYPDAFVRIIGFDNVRQVQLISFIAYKPPGC

Advanced options (click to show/hide)

2. Upload file (see tool-tip help for details and example)

...or upload a file (?)  out.fasta.msa

3. Click to show format options

Select type of input (?)  
Single Sequence (click to select format):  
Multiple Alignment (click to select format):  MSF  BLC  Fasta

4. Select format (MSA in FASTA format used in this example)

Skip searching PDB before prediction (?)  Check to skip

Email address (optional) (?)

5. Provide email optional in non-batch mode)

Query name (optional) (?)

6. Push to submit...

Primary citation: Drozdetskiy A, Cole C, Procter J & Barton GJ. Paper in preparation  
Previous: Cole C, Barber JD & Barton GJ. Nucleic Acids Res. 2008. 35 (suppl. 2) W197-W201 [link]  
More citations: link.



# Input MSA file example

```
>QUERY
MQVWPIEGIKKFETLSYLPPLTVEDLLKQIEYLLRSKWVPCLEFSKVG FVYRENHRSPGYDGRYWTMwKLP
MFGCTDATQVLKELEEAKKAYPDAFVRIIGFDNVRQVQLISFIAYKPPGC
>UniRef90_Q40250_2
MKVWPPIGLKKYETLSYLPPLSDEALSKEIDYLIRNKWIPCLFEFEEHGFVYREHHHSPGYDGRYWTMwKLP
MFGCTDSAQVMKEVGECKKEYPNAFIRVIGFDNIRQVQCISFIVAKPPGV
>UniRef90_A7YVW5_3
MQVWPPLGKRKFETLSYLPPLPVDALLKQIDYLRSGWIPCI EFTVEGFVYREHHHSPGYDGRYWTMwKLP
MYGCTDSTQVLAEVEANKKEYPNSYIRIIGFDNKRQVQCVS FIVHTPPS--
>UniRef90_P04714_4
MQVWPPYGKKKYETLSYLPDLTDEQLLKEIEYLLNKGWVPCLEFTEHGFVYREYHASPRYYDGRYWTMwKLP
MFGCTDATQVLGELQEAKKAYPNAWIRIIGFDNVRQVQCISFIAYKPPG--
>UniRef90_W9RUU9_5
MQVWPPRGKLFETLSYLPDLTDEQLLKEIDYLLRSNWIPCLFEFEVKAHIYRENNRSPGYDGRYWTMwKLP
MFGCTDATQVLAEVQETKKAYPDAHVRIIGFDNRRQVQCISFIAYKPPA--
>UniRef90_K3ZA66_6
MQVW--PIGGKKFETLSYLPPLSTDDLLKQIDYLRKNWIPCLFSKVG FVYRENNRSPGYDGRYWTMwKLP
MFGCTEATQVYAELEECKKAYPDAYIRILGFDNVRQVQCIMFIAYKPPGC
>UniRef90_V4UWB0_7
MKVWPPTGLKKFETLSYLPPLSDEALLKEISYLIRSGWIPCLFEFEEKGWVYREHHRSPGYDGRYWTMwKLP
MYGCTDATQVLKEVGEVQKEYPHSFVRIIGFDNKRQVQCISFIAAKPPGV
>UniRef90_A9PFS6_8
MQVWPPTGLKKFETLSYLPDLTEELAKEIDYLLRSKWVPCLEFEEKGWVYREHHSSPGYDGRYWTMwKLP
MFGCTEASQVLLLEEEAKKAYPNAFIRIIGFDNTRQVQCISFIAAKPKG V
>UniRef90_Q9ZP07_9
MQVWPPIGKKKFETLSYLPPLTEEQLLKEVEYLLRKGWVPCLEFEEKGFVYREHNNSPGYDGRYWTMwKLP
LFGCTEAVQVLKELQEVVKAYPNAFVRIIGFDNVRQVQCISFIAHTPK---
>UniRef90_Q96542_10
MQVWPPLGLKKFETLSYLPPLSSEQLAKEVDYLLRKNLIPCLFEFEEHGFVYREHNRSPGYDGRYWTMwKLP
MFGCNDSSQVLKELEECKKAYPSAFIRIIGFDNKRQVQIISFIAYKPPGV
>UniRef90_P08474_11
MKVWPPLGLRKFETLSYLPDMSNEQLSKECDYLLRNGWVPCVEFDISGFVYRENHRSPGFYDGRYWTMwKLP
MFGCTDSSQVIQEIEEAKKEYPDAFIRVIGFDNVRQVQCISFIAYKPK---
```

Example of multiple sequence alignment input file (in FASTA format).