



ReadME

This ReadME documentation provides a guideline on how to perform secondary structure comparison between two states of a protein using CompASS. Follow the step by step instructions that are made easy to comprehend by pictorial representation.

CompASS requires the atomic coordinates of the protein in both states to compare the secondary structure elements in them.

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How to give inputs

STEP 1 Give a name to the first state of your protein. This will help you to identify this state in the alignment. Copy and paste the atomic coordinates of this state of protein in the first text area.

You can give a name to the states (upto 10 characters) or let the tool use default names.

First state,

Name :

Name of state

Copy and paste the pdb coordinates of the first state of protein.

```
CONNECT 601 724
CONNECT 630 513
CONNECT 724 601
CONNECT 889 238
CONNECT 981 48
MASTER 290 0 0 8 2 0 0 6 1079 1 8 10
END
```

Coordinates of first state here

Second state,

Name :

Copy and paste the pdb coordinates of the second state of protein.

Coordinates of second state

STEP 2 Now give name to the second state of protein. Copy and paste the atomic coordinates of protein in this state at the second text area.

```
CONNECT 981 48
CONNECT 981 48
MASTER 290 0 0 8 2 0 0 6 1079 1 8 10
END
```

Second state,

Name :

Name of state

Coordinates of second state here

Copy and paste the pdb coordinates of the second state of protein.

```
CONNECT 601 724
CONNECT 630 513
CONNECT 724 601
CONNECT 889 238
CONNECT 981 48
MASTER 290 0 0 8 2 0 0 6 1079 1 8 10
END
```

Enter your username

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STEP 3 Enter your username and submit the job to get results.