

How To Use PINAWeb

Home Page

This

PINAWeb
A tool to align Protein-Protein Interaction Networks

Database
Nothing selected ▼

Aligner
Nothing selected ▼

E-mail

Submit

Input network

Predefined Custom

Choose a network
Nothing selected ▼

Output network

Predefined Custom

Choose a network
Nothing selected ▼

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This home page has five sections:

- A section to select the database and a section to select the aligner

Database
Nothing selected ▼

Aligner
Nothing selected ▼

- A section to select the input network

Input network

Predefined Custom

Choose a network
Nothing selected ▼

- A section to select the output network

Output network

Predefined

Custom

Choose a network

Nothing selected ▼

- A section to put the mail and send the alignment to compute

E-mail

Submit

How to compute an alignment

1. Click on the database selector section.
2. Select the database.

Database

StringDB ▼

StringDB

3. Click on the aligner selector section.
4. Select the aligners to use.

Aligner

Aligner, PINALOG ▼

- AlignNet ✓
- HubAlign
- L-GRAAL
- PINALOG ✓
- SPINAL

5. Click on the input network selector.
6. In case that you want to use a full network, write the first letters of the species.
 - (StringDB-specific) Then, you must choose which score types (edge types) should be included from the full String DB network. You can then configure a threshold for each score. An edge is included if it satisfies any of the thresholds.

Input network

Predefined Custom

Choose a network

Nothing selected ▼

Edge selection (2) ▼

Choose which edge types should be considered. Additionally, you can specify thresholds for each edge score so that only edges with any of the chosen scores equal or above the given thresholds will be considered.

(All scores range from 0 to 1000.)

☒ Neighborhood score

500

☐ Neighborhood score from other species

☒ Fusion score

200

7. In case that you want to use your own network, click on custom button and upload the network.


Input network

Predefined

Custom

Upload a network

Choose File No file chosen



Custom networks ×

To introduce your own network upload a text file with two columns of proteins (separated by a tab character) such that each row will be an edge. Protein IDs must match those used for the selected database.

- [Generic example](#)
- [StringDB example](#)

Close

8. To select the output network proceed at same way than to select the input network.
9. Finally put your mail and click submit.