

Howto: Run STRUCTURE on the server (GUI version)

Using Apple's build-in X-server, it is possible to have the graphical user interface (GUI) of STRUCTURE on your display, while the computation conveniently takes place on evo-lutra.

This said, the GUI version of STRUCTURE is limited by its poor graphical output and you might want to use the command line version and `bar_plotter.rb` instead to obtain publishable vector graphic STRUCTURE results. Consult

http://www.evolution.unibas.ch/salzburger/protocols/run_structure_on_server_cl.pdf

and

http://www.evolution.unibas.ch/salzburger/software/bar_plotter_manual.pdf

for more information.

If you prefer the GUI version, here's the Howto:

1. Copy your input file to evo-lutra.

This is explained in detail in the Howto: Run software on the server (general). See there.

2. Start the X-server

Go to Application > Utilities. Find the software X11. Start it. That's it.

3. Log in to evo-lutra and start STRUCTURE

In the X11 window, type:

```
ssh username@evo-lutra.zoo.unibas.ch -X structure
```

where username is the name that Lukas has sent you. Type your password and there you go.