Open from terminal:

$ VBoxManage startvm 'name\_of\_VM' --type headless

For gbib:

$ VBoxManage startvm browserbox --type headless

To close:

$ VBoxManage controlvm "VM name" acpipowerbutton

$ VBoxManage controlvm browserbox acpipowerbutton

(in order to access gbib terminal type: ssh browser@localhost -p 1235

To get out use :$ sudo shutdown -r now)

# in order to run the virtualbox remotely and for it to not close I use the linux screen program.

It will open a terminal that will stay active.

Steps:

$screen – S 'name of session'

$screen – S gbib

# Then run the virtual box

$ VBoxManage startvm browserbox --type headless

# now we can detach from this screen session

Press ctrl+a and than type 'd'

#To come back to the session

$ screen –ls #list sessions

#reatach to session

screen –r #or screen –r 'number of session'

# to kill a session

# when session is attached- ctrl+a + 'k' +'y'

# more details in:

<https://linuxize.com/post/how-to-use-linux-screen/>

To connect to the server from command line:

ssh browser@localhost -p 1235

Password:

browser

(cd /folders/sf\_gbib\_data/)

Activate blat for longissima

$ ~browser/bin/blat/gfServer start 127.0.0.1 42422 -stepSize=5 -log=log/gfServer\_567Un.log 190708\_Ae\_longissima\_pseudomolecules\_V1\_chr567U.2bit &

$ ~browser/bin/blat/gfServer start 127.0.0.1 42420 -stepSize=5 -log=log/gfServer\_1234.log 190708\_Ae\_longissima\_pseudomolecules\_V1\_chr1234.2bit &

~browser/bin/blat/gfServer start 127.0.0.1 42430 -stepSize=5 -log=log/gfServer 221207\_longissima\_pseudomolecules\_v1\_1234.2bit &

~browser/bin/blat/gfServer start 127.0.0.1 42432 -stepSize=5 -log=log/gfServer 221207\_longissima\_pseudomolecules\_v1\_567un.2bit &