

**YML file**  
create a conda  
environment  
minimal basic  
prerequisites

```
$ conda env create -f your_file.yml
```

See:  
Minimal\_rdeps\_plus\_  
ichorcna.yml

**Additional packages**

Install it either through conda or  
directly in R  
\$ conda install -c conda-forge r-devtools  
> install.packages("usethis")  
...

See:  
Additional\_prerequisites.txt

**Configure  
Github Credentials**

```
$ git config --global user.email "r8..."  
...  
In R >  
usethis::create_github_token()  
...  
gitcreds::gitcreds_set()
```

See: Quick\_configuration\_  
token\_github.R

**Install IchorCNA  
from Github**

```
In R >  
install_github("broadinstitute/IchorCNA")
```

downloading and installing  
picard "wget picard"  
could be an option since  
the one from conda complains