**Installation Steps of GNIAP R Package**

*GNIAP* R package depends on *minet*, *c3net*, *WGCNA*, *GAnet, ProNet, gProfileR* packages. For the installation of *GNIAP* users need to follow some simple installation steps that are given below.

1. To download and install dependent packages *minet*, *c3net*, *WGCNA*, *GAnet, ProNet, gProfileR* from the related repositories:

**Table** Installation codes of *minet*, *c3net*, *WGCNA*, *GAnet, ProNet, gProfileR* R packages

|  |  |
| --- | --- |
| Package Name | Installation Code(s) |
| minet | * *install. packages("minet")* |
| GAnet | * *install.packages("https://sites.google.com/site/arnetmit/dependent-r-packages/GAnet\_1.0.tar.gz", type="source", repos=NULL)* |
| gProfilerR | * *install. packages("gProfileR")* |
| c3net | * *install. packages("c3net")* |
| ProNet | * *install.packages("*https://cran.r-project.org/src/contrib/Archive/ProNet/ProNet\_1.0.0.tar.gz*",type="source", repos=NULL)* |
| WGCNA | * *install. packages("WGCNA")* |

1. Execute the installation command for *GNIAP* in R. The command below installs the *GNIAP* package to the R library.

* *install.packages("https://github.com/ozgurcingiz/GNIAP/raw/main/GNIAP\_0.1.0.tar.gz ", type="source", repos=NULL)*

1. To load *GNIAP* package:

* *library("GNIAP")*

1. For the instruction set of *GNIAP* R package, please check the user manual " *https://github.com/ozgurcingiz/GNIAP/raw/main/GNIAP\_0.1.0.pdf "* .