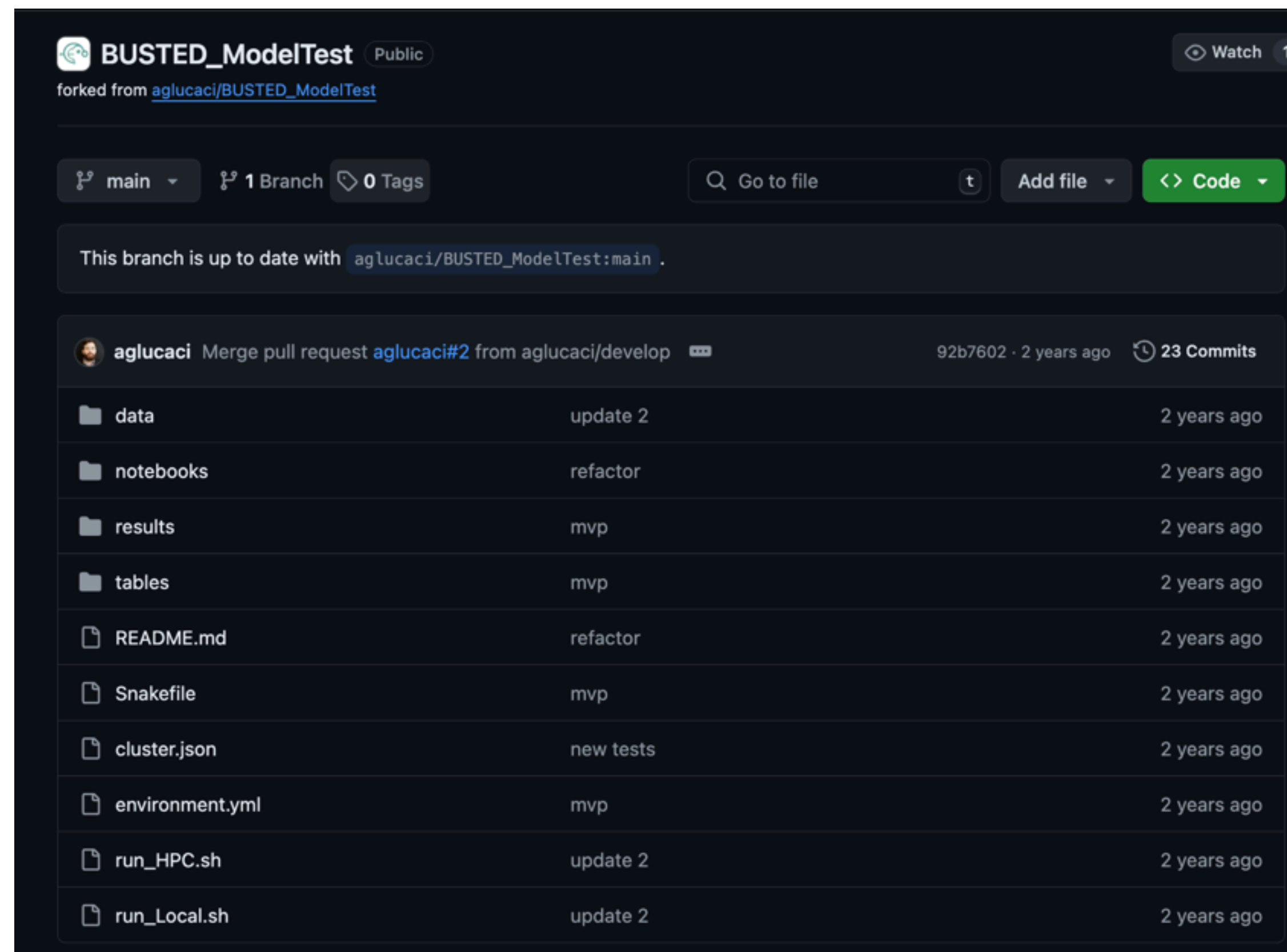


# BUSTED Model-testing application



The screenshot shows the GitHub repository page for **BUSTED\_ModelTest**, which is a public repository forked from [aglucaci/BUSTED\\_ModelTest](#). The repository has 1 branch (main) and 0 tags. A message indicates that the current branch is up to date with the upstream repository. Below this, a pull request is listed: "Merge pull request aglucaci#2 from aglucaci/develop" by user **aglucaci**, committed 2 years ago with 23 commits. The file list shows the following structure:

File/Folder	Commit Message	Time
data	update 2	2 years ago
notebooks	refactor	2 years ago
results	mvp	2 years ago
tables	mvp	2 years ago
README.md	refactor	2 years ago
Snakefile	mvp	2 years ago
cluster.json	new tests	2 years ago
environment.yml	mvp	2 years ago
run_HPC.sh	update 2	2 years ago
run_Local.sh	update 2	2 years ago

## Example run

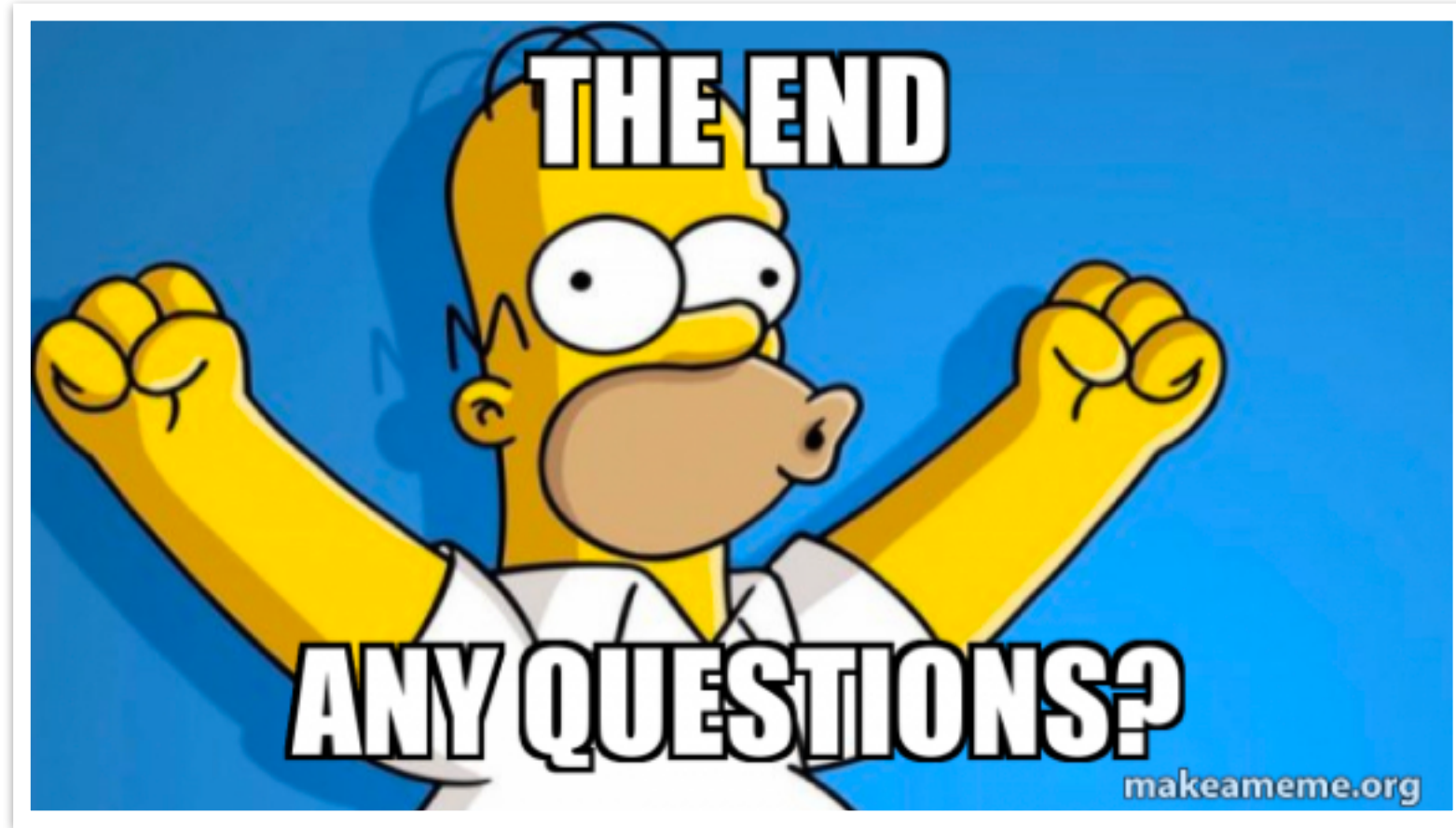
Once setup completes, we have provided a sample dataset `data/adh.nex`. To run this, the program will all ready be set up, it will look in the `data` folder for NEXUS files `.nex` and apply the model testing application to it.

To execute on your local computer type `run_Local.sh`, otherwise use `run_HPC.sh` to submit this job to your server.

This will produce the following JSON and likelihood fit (.fit) files

```
— results/
  |— adh.nex.BUSTEDS.json
  |— adh.nex.BUSTEDS.json.fit
  |— adh.nex.BUSTED.json
  |— adh.nex.BUSTED.json.fit
  |— adh.nex.BUSTEDS-MH.json
  |— adh.nex.BUSTEDS-MH.json.fit
  |— adh.nex.BUSTED-MH.json
  |— adh.nex.BUSTED-MH.json.fit
— tables/
  |— adh.nex.csv
```

Available at [https://github.com/veg/BUSTED\\_ModelTest](https://github.com/veg/BUSTED_ModelTest)



# Break