

# Practical Intro AncientMetagenomeDir Github Pull Request Review

Slides: <https://hackmd.io/@jfy133/B156Z2mfP>

# Scope

- Not technical
  - i.e. not for computer-scientists
- All through github website
- What things to check for AncientMetagenomeDir

# Recap: What is a Pull Request?

*“Pull requests let you tell others about changes you’ve pushed to a branch in a repository on GitHub. Once a pull request is opened, you can discuss and review the potential changes with collaborators and add follow-up commits before your changes are merged into the base branch.”*

From **Github Documentation**

# TL;DR: What is a Pull Request

“Are my proposed changes/additions cool to the main code base?”

**PR *review*:** basically peer-review as we do for journals (and just as for ‘free’ 🤔)

# PR Review for AncientMetagenomeDir

- Basic
  - Are all fields/columns filled?
  - Does the new entries follow standards in a list's README?
- Standard
  - Basic +
  - Does the added entries match the original publication?
- Gold Star
  - Standard +
  - Check for improved metadata (e.g. newer dates, locations)

# How to PR Review

# Pull Request Tab

The screenshot shows a web browser window displaying the GitHub interface for the repository SPAAM-workshop/AncientMetagenomeDir. The page is titled "Pull requests" and shows a list of five pull requests. The first pull request, "Gaffney2020", is highlighted. The browser's address bar shows the URL "github.com/SPAAM-workshop/AncientMetagenomeDir/pulls". The GitHub navigation bar includes "Search or jump to...", "Pull requests", "Issues", "Marketplace", and "Explore". The repository name "SPAAM-workshop / AncientMetagenomeDir" is displayed at the top, along with "Unwatch 2", "Unstar 7", and "Fork 2" buttons. Below the repository name, there are tabs for "Code", "Issues 66", "Pull requests 5", "Actions", "Projects", "Wiki", "Security", and "Insights". A search bar contains the text "is:pr is:open". To the right of the search bar are "Labels 19" and "Milestones 0" buttons, and a green "New pull request" button. The pull request list includes columns for checkboxes, status (Open/Closed), title, author, label, projects, milestones, reviews, assignee, and sort. The list contains five items: "Gaffney2020" (opened 20 hours ago by Becky-Cribdon, Review required, 9 of 21 reviews), "Add Mühlmann 2018" (opened 2 days ago by jfy133, Review required, 9 of 21 reviews, 1 review), "Philips2020" (opened 4 days ago by jfy133, Draft, 9 of 19 reviews, 1 review), "add data from Philips2017" (opened 4 days ago by ivelsko, Draft, 11 of 19 reviews, 6 reviews), and "Add gut microbiome and sediment studies" (opened 7 days ago by alexhbnr, Changes requested, 7 of 16 reviews, 4 reviews, 10 comments).

Filters  Labels 19 Milestones 0 [New pull request](#)

5 Open 25 Closed Author Label Projects Milestones Reviews Assignee Sort

- Gaffney2020** ✓  
#116 opened 20 hours ago by Becky-Cribdon • Review required 9 of 21
- Add Mühlmann 2018** ✓  
#110 opened 2 days ago by jfy133 • Review required 9 of 21 1
- Philips2020** ✓  
#105 opened 4 days ago by jfy133 • Draft 9 of 19 1 1
- add data from Philips2017** ✓  
#101 opened 4 days ago by ivelsko • Draft 11 of 19 6
- Add gut microbiome and sediment studies** ✗  
#94 opened 7 days ago by alexhbnr • Changes requested 7 of 16 4 10

ProTip! Add `no:assignee` to see everything that's not assigned.

Click 

# An Open PR

The screenshot shows a GitHub Pull Request (PR) page for the repository 'SPAAM-workshop/AncientMetagenomeDir'. The PR is titled 'Gaffney2020 #116' and is currently open. It was requested by 'Becky-Cribdon' and aims to merge 4 commits from the 'gaffney2020' branch into the 'master' branch. The PR is associated with the ENA project code PRJEB33717, which is noted as currently missing from publication. The PR is for a 'New Publication(s)' and has 5 conversations, 4 commits, 2 checks, and 3 files changed. The PR is currently in progress and requires at least one approving review to be merged. The reviewer 'jfy133' is listed, and the PR is still in progress. The PR is for a 'New Publication(s)' and has 5 conversations, 4 commits, 2 checks, and 3 files changed. The PR is currently in progress and requires at least one approving review to be merged. The reviewer 'jfy133' is listed, and the PR is still in progress.

Gaffney2020 by Becky-Cribdon · Pull Request #116 · SPAAM-workshop/AncientMetagenomeDir - Google Chrome

Gaffney2020 by Becky-Cribdon x +

github.com/SPAAM-workshop/AncientMetagenomeDir/pull/116

Apps ★ Bookmarks 📁 News 📁 bioinf 📁 MPI-SHH 📁 Statistics 📁 WillStuff 📁 Konj. 📁 ResidenzAct » 📁 Other bookmarks

Search or jump to... Pull requests Issues Marketplace Explore

SPAAM-workshop / AncientMetagenomeDir

Unwatch 2 Unstar 7 Fork 2

<> Code Issues 66 Pull requests 5 Actions Projects Wiki Security Insights

Becky-Cribdon requested your review on this pull request. Add your review

## Gaffney2020 #116

Edit Open with

Open Becky-Cribdon wants to merge 4 commits into master from gaffney2020

Conversation 5 Commits 4 Checks 2 Files changed 3 +39 -0

Becky-Cribdon commented 20 hours ago

Member

ENa project code: PRJEB33717 (currently missing from publication)

### Pull Request

This PR is for a

- New Publication(s)
- Correction

Reviewers

jfy133

At least 1 approving review is required to merge this pull request.

Still in progress? Convert to draft

Assignees

No one—assign yourself

# PR Checklist

The screenshot shows a GitHub Pull Request (PR) page for 'Gaffney2020' by Becky-Cribdon. The PR is titled 'Gaffney2020 #116' and is a draft. The main content area is divided into several sections: 'Pull Request', 'New Publication', 'Publication Information', and 'Checklist'. The 'Pull Request' section includes a description of the PR and a list of categories it belongs to. The 'New Publication' section lists the publication information. The 'Checklist' section contains a list of items to be checked before merging. The right sidebar contains settings for the PR, including Assignees, Labels, Projects, Milestone, Linked issues, and Notifications.

**Gaffney2020 by Becky-Cribdon · Pull Request #116 · SPAAM-workshop/AncientMetagenomeDir - Google Chrome**

Gaffney2020 by Becky-Cribdon x +

github.com/SPAAM-workshop/AncientMetagenomeDir/pull/116

Apps ★ Bookmarks News bioinf MPI-SHH Statistics WillStuff Konj. S1 ResidenzAct » Other bookmarks

**Gaffney2020 #116**  
Becky-Cribdon wants to merge 4 commits into master from gaffney2020

## Pull Request

This PR is for a

- New Publication(s)
- Correction

For the follow list (s)

- ancientmetagenome-hostassociated
- ancientsinglegenome-hostassociated
- ancientmetagenome-environmental
- ancientmetagenome-anthropogenic

## New Publication

### Publication Information

This pull request is to add samples from the following publication(s):

Gaffney et al. (2020) doi.org/10.3390/geosciences10070270

### Checklist

- Publication is published (preprints currently not accepted)?
- Checked the publication is not already in the database?
- Checked samples in this publication are not previously published data (newly re-sequenced metagenomes)

At least 1 approving review is required to merge this pull request.

Still in progress? Convert to draft

#### Assignees

No one—assign yourself

#### Labels

None yet

#### Projects

None yet

#### Milestone

No milestone

#### Linked issues

Successfully merging this pull request may close these issues.

None yet

#### Notifications

Customize

Unsubscribe

You're receiving notifications because

# Starting a Review

The screenshot shows a GitHub pull request page in Google Chrome. The browser tab is titled "Gaffney2020 by Becky-Cribdon · Pull Request #116 · SPAAM-workshop/AncientMetagenomeDir - Google Chrome". The address bar shows the URL "github.com/SPAAM-workshop/AncientMetagenomeDir/pull/116/files#su...". The page title is "Gaffney2020 #116".

At the top, a green button says "Open" and a message states "Becky-Cribdon wants to merge 4 commits into master from gaffney2020". Below this, there are tabs for "Conversation" (5), "Commits" (4), "Checks" (2), and "Files changed" (3). A green progress bar shows "+39 -0".

The main content area shows a diff view. The top section is for "CHANGELOG.md" with a diff of "-33,6 +33,7". The bottom section is for "ancientmetagenome-environmental" with a diff of "-11,3 +11,39".

A review comment box is open over the diff. It has a "Write" tab and a "Preview" tab. The text area contains "Leave a comment". Below the text area, there are three radio button options: "Comment" (selected), "Approve", and "Request changes". A green "Submit review" button is at the bottom of the comment box.

Line	Change	Author	Commit	File	Line	Code
11		Ahmed2018	2018	10.1016/		
12		Ahmed2018	2018	10.1016/j.quascirev.2017.11.037	Hässelådal	Port 56.16 15.01 Sweden HA8.1 11000 10.1111/bor.12207
13		Ahmed2018	2018	10.1016/j.quascirev.2017.11.037	Hässelådal	Port 56.16 15.01 Sweden HA8.12 11000 10.1111/bor.12207
14	+	Gaffney2020	2020	10.3390/geosciences10070270	Unknown	53.322 1.118 North Sea ELF001A_95_S81_ELFM1D1 6000 1
15	+	Gaffney2020	2020	10.3390/geosciences10070270	Unknown	53.322 1.118 North Sea ELF001A_95_S81_ELFM2D2 6000 1
16	+	Gaffney2020	2020	10.3390/geosciences10070270	Unknown	53.322 1.118 North Sea ELF001A_95_S81_ELFN1D3 6000 1
17	+	Gaffney2020	2020	10.3390/geosciences10070270	Unknown	53.322 1.118 North Sea ELF001A_95_S81_ELFN1D4 6000 1

# Adding a Single Comment

The screenshot shows a web browser window displaying a GitHub pull request. The browser's address bar shows the URL: `github.com/SPAAM-workshop/AncientMetagenomeDir/pull/116/files#su...`. The page title is "Gaffney2020 by Becky-Cribdon · Pull Request #116 · SPAAM-workshop/AncientMetagenomeDir - Google Chrome".

The main content area shows a diff view for the file `CHANGELOG.md`. The diff shows a change on line 36, which is highlighted in green. The change is a new entry: `- Gaffney 2020 10.3390/geosciences10070270`. A comment box is open over this change, with the text "Leave a comment" and a "Write" tab selected. The comment box contains a text area and a "Cancel" button. Below the text area are two buttons: "Add single comment" and "Start a review".

The diff view also shows other changes in the file, including a section header `#### Ancient Metagenome: Environmental` and another section header `#### Ancient Metagenome: Anthropogenic`. The bottom of the screenshot shows the start of another file diff for `ancientmetagenome-environmental/ancientmetagenome-environmental.tsv`.

# Add Suggestion

Gaffney2020 by Becky-Cribdon · Pull Request #116 · SPAAM-workshop/AncientMetagenomeDir - Google Chrome

Gaffney2020 by Becky-Cri x +

github.com/SPAAM-workshop/AncientMetagenomeDir/pull/116/files#su... ☆ P [Icons] [Profile]

Apps ★ Bookmarks 📁 News 📁 bioinf 📁 MPI-SHH 📁 Statistics 📁 WillStuff 📁 Konj. 📁 ResidenzAct » 📁 Other bookmarks

**Open** Gaffney2020 #116 0 / 3 files viewed **Review changes**

Changes from all commits File filter... Jump to... ⚙

1 CHANGELOG.md

36 ancientmetagenome-environmental/ancientmetagenome-environmental.tsv

...	00	-11,3	+11,39	00	Ahmed2018	2018	10.1016/j.quascirev.2017.11.037	Hässeldala Port	56.16	15.01	Swed			
11	11				Ahmed2018	2018	10.1016/j.quascirev.2017.11.037	Hässeldala Port	56.16	15.01	Sweden	HA7.12	11600	10.1111/bor.12207
12	12				Ahmed2018	2018	10.1016/j.quascirev.2017.11.037	Hässeldala Port	56.16	15.01	Sweden	HA8.1	11000	10.1111/bor.12207
13	13				Ahmed2018	2018	10.1016/j.quascirev.2017.11.037	Hässeldala Port	56.16	15.01	Sweden	HA8.12	11000	10.1111/bor.12207
14	+	Gaffney2020	2020	10.3390/geosciences10070270	Unknown	53.322	1.118	North Sea				ELF001A_95_S81_ELFM1D1	6000	1

Insert a suggestion <ctrl+g>

Write Preview

± H B I ☰ <> 🔗 ☰ ☰ ☑ @ 🗨️ ↶

```
'''suggestion
Gaffney2020 2020 10.3390/geosciences10070270 Unknown 53.322 1.118 North Sea
ELF001A_95_S81_ELFM1D1 6000 10.3390/geosciences10070270 shallow marine sediment 2016
ENASERS3605424
'''
```

Attach files by dragging & dropping, selecting or pasting them.

Cancel Add single comment **Start a review**

15	+	Gaffney2020	2020	10.3390/geosciences10070270	Unknown	53.322	1.118	North Sea				ELF001A_95_S81_ELFM2D2	6000	1
16	+	Gaffney2020	2020	10.3390/geosciences10070270	Unknown	53.322	1.118	North Sea				ELF001A_95_S81_ELFM1D3	6000	1





# Final Review Summary

The screenshot shows a GitHub pull request page for 'Gaffney2020 #116' by Becky-Cribdon. The page is viewed in Google Chrome. The pull request title is 'Gaffney2020 #116' and it shows 'Becky-Cribdon wants to merge 4 commits into master from gaffney2020'. The page includes navigation tabs for Code, Issues (66), Pull requests (5), Actions, Projects, Wiki, Security, and Insights. Below the title, there are buttons for 'Open', 'Conversation' (5), 'Commits' (4), 'Checks' (2), and 'Files changed' (3). A 'Review changes' button is visible. A modal window is open over the pull request, showing a 'Write' tab with a rich text editor. The modal contains a 'Leave a comment' text area, a file attachment area, and three review options: 'Comment' (selected), 'Approve', and 'Request changes'. The 'Submit review' button is at the bottom of the modal. The background shows a list of files with their change counts and status indicators.

# Review Icons

The screenshot shows a GitHub pull request page in a Google Chrome browser. The browser's address bar displays the URL `github.com/SPAAM-workshop/AncientMetagenomeDir/pull/94`. The page title is "Add gut microbiome and sediment studies by alexhbnr · Pull Request #94 · SPAAM-workshop/AncientMetagenomeDir".

The repository name is "SPAAM-workshop / AncientMetagenomeDir". The pull request title is "Add gut microbiome and sediment studies #94". The pull request is created by "alexhbnr" and wants to merge 1 commit into "SPAAM-workshop:master" from "alexhbnr:PaLaeoFaeces\_RifkinTettHaganBorry".

The pull request details show 10 conversations, 1 commit, 1 check, and 2 files changed. The status is "+25 -0".

The pull request is for a "New Publication(s)" and includes the following follow list items:

- Ancient Microbiome
- sedaDNA
- Ancient Pathogen

The pull request is reviewed by "genomewalker", "pbuttigieg", and "jfy133". The assignee is "alexhbnr".

# Author View of Review

Add gut microbiome and sediment studies by alexhbnr · Pull Request #94 · SPAAM-workshop/AncientMetagenomeDir - Google Chrome

github.com/SPAAM-workshop/AncientMetagenomeDir/pull/94

Open Add gut microbiome and sediment studies #94  
alexhbnr wants to merge 1 commit into SPAAM-workshop:master from alexhbnr:PalaeoFaeces\_RifkinTetHag...

#17

 **jfy133** requested changes 4 days ago [View changes](#)

**jfy133** left a comment Member

**@alexhbnr** please make the corrections requested, then I'll do a more thorough check by looking at the papers.

```
ancient-microbiome/ancient-microbiome.tsv
137 + Borry2020 2020 10.7717/peerj.9001 Zape 25.771 -105.786
138 + Borry2020 2020 10.7717/peerj.9001 Zape 25.771 -105.786
139 + Borry2020 2020 10.7717/peerj.9001 Zape 25.771 -105.786
140 + Borry2020 2020 10.7717/peerj.9001 Yorkshire 53.80527
```

 **jfy133** 4 days ago Member

Post-medieval on this line should be an integer. If unsure, look up the period on Wikipedia and take the midpoint.

 Reply...

[Resolve conversation](#)

**Rinse and Repeat!**

# Thank you!

You can find me on

- GitHub (jfy133)
- Slack
- or email me