From: Lau, Matthew K. matthewklau@fas.harvard.edu

Subject: Re: Meeting request (was RE: ant sequences NCBI errors)

Date: June 13, 2017 at 2:08 PM

To: Aaron M Ellison aellison@fas.harvard.edu



Hey Aaron, I've got the FTP transfer running to move the genomes to Odyssey. I'm going to uzip them in a bit take a look at them.

#### Best,

#### Matt

On Jun 13, 2017, at 9:48 AM, Ellison, Aaron <aellison@fas.harvard.edu> wrote:

Matt – as long as the ftp is clear, please download this all today.

Thanks,

Aaron

From: Caroline Cusick [mailto:ccusick@broadinstitute.org]

Sent: Tuesday, June 13, 2017 9:44 AM

To: Lau, Matthew K. <matthewklau@fas.harvard.edu>; Ellison, Aaron <a href="mailto:aellison@fas.harvard.edu">aellison@fas.harvard.edu</a>>

Cc: Jim Bochicchio < jboch@broadinstitute.org>

Subject: Re: Meeting request (was RE: ant sequences NCBI errors)

Hi Matt and Aaron,

Terry has moved all the information to the FTP (we will still create the Aspera backup) and has provided the information on the new assemblies below:

The assembly data is available via <a href="mailto:ftp://aadata@ftp.broadinstitute.org">ftp://aadata@ftp.broadinstitute.org</a> with the following username and password, you should be able to access the directory /lau/ant:

o username aadatao password CILanalysis154

Each directory will have 5 files. Foe example using this folder, SM-AJDMW/

SM-AJDMW/remove.txt SM-AJDMW/assembly.agp SM-AJDMW/scaffolds.fasta SM-AJDMW/assembly.removed.fasta SM-AJDMW/contigs.fasta

The contigs.fasta and scaffolds.fasta are the updated assembly files and the assembly.agp is the updated AGP corresponding to the updated fasta files. The "remove.txt" file is the table of directives instructing modify\_assembly.py where to remove adapter sequence. Finally, assembly.removed.fasta is the fasta sequence of the removed adapter.

We're working on the methods and scripts, and I'll follow up with those as soon as we have them. Let me know if you have any questions or have any issues accessing the data.

thanks!

Caroline

On Wed, May 31, 2017 at 4:22 PM, Lau, Matthew K. < matthewklau@fas.harvard.edu > wrote:

Hi Jim, thanks for the update.

Cheers,

Matt

On May 31, 2017, at 4:14 PM, Ellison, Aaron <aellison@fas.harvard.edu> wrote:

Thank you! Aaron

Aaron M. Ellison, Senior Research Fellow
Harvard University, Harvard Forest
324 North Main Street
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aellison@fas.harvard.edu

#### @AIVIAXEII1/

#### http://harvardforest.fas.harvard.edu/aaron-ellison/

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**Sent:** Wednesday, May 31, 2017 3:56 PM **To:** Ellison, Aaron <a href="mailto:aellison@fas.harvard.edu">aellison@fas.harvard.edu</a>>

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Hi Matt and Aaron

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Thanks Jim

On Thu, May 25, 2017 at 5:01 PM, Ellison, Aaron <a href="mailto:aellison@fas.harvard.edu">aellison@fas.harvard.edu</a> wrote:

Works for me, too

We'll be there

Thank you, Aaron

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Will that work for your schedules as well?

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Thank you very much,

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Does Thursday June 8 in the mid-to-late afternoon work for you? If not, does Monday June 12 (any time) work?

Also, I came across this presentation on Data Sharing at Broad (http://genomicinfo.broadinstitute.org/acton/attachment/13431/f-0132/1/-/-/-/ASHG16%20Workbench%20Presentation%20-%20Final.pdf?sid=TV2:QKwcswckd).

Per my request for the code, are your analysts starting to use these Workbench methods? It seems like it would make this a whole lot easier.

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Postdoctoral Fellow Harvard Forest Harvard University 324 N Main St. Petersham, MA 01366 978-756-6165

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On May 16, 2017, at 9:17 PM, Caroline Cusick < ccusick@broadinstitute.org > wrote:

Hi Matt,

Our analyst is going through the comments that you sent from NCBI now, and I will pass along any updates/questions he has during this and definitely keep you updated!

thanks, Caroline

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What's the status on the assemblies? And per my last email, are you reprocessing from the raw reads?

Cheers,

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On May 12, 2017, at 12:14 PM, Lau, Matthew K. <matthewklau@fas.harvard.edu> wrote:

Great, thanks Caroline!

All 7 were flagged with errors, but only 5 have reports. I've concatenated the errors that I could get from NCBI (see attached). Each report starts with a header like this: "Contamination.txt\_AZXXM\_filtered\_scaffolds.txt". Let me know if you have any questions.

A question though. It seems like this means that there were adapters left in the sequences used for the assemblies. Are you going to go back to the raw sequences, remove them and then redo the assemblies?

Just in case it's helpful to know now, your FTP server will work fine for the data transfer.

Cheers,

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Our analyst had a question about whether all 7 assemblies were submitted to NCBI, or just this one (SM-AZXXM)? If the other six were returned with errors also, if you could pass that along and he will make sure to confirm that we've removed all the sites flagged by NCBI.

let me know if you have any questions! thanks,
Caroline

On Fri, May 12, 2017 at 11:21 AM, Lau, Matthew K. <<u>matthewklau@fas.harvard.edu</u>> wrote:

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ge MA

seque nce labeli ng issue? Also, is there a good soluti on to remo ving the prime rs from the asse mblie s?

Best,

Matt

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Jim Bochicc hio Sr, Product Manage Broad Technol ogy Labs Broad Institute 75 Ames Street Cambrid

02142, USA Phone: <u>617-</u> 714-<u>8513</u> Website https:// www.br <u>oadinsti</u> tute.org <u>/btl</u> Caroline Cusick
Product Coordinator
Broad Institute of MIT and Harvard
75 Ames St | Cambridge MA 02142 USA Caroline Cusick Product Coordinator Broad Institute of MIT and Harvard 75 Ames St | Cambridge MA 02142 USA <ncbi\_contam\_screen.txt> Caroline Cusick
Product Coordinator
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Jennifer M. Wineski Senior Administrative Assistant Broad Technology Labs

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Website: https://www.broadinstitute.org/btl

Caroline Cusick
Product Coordinator
Broad Institute of MIT and Harvard
75 Ames St | Cambridge MA 02142 USA

From: Lau, Matthew K. matthewklau@fas.harvard.edu

Subject: Re: Meeting request (was RE: ant sequences NCBI errors)

Date: June 13, 2017 at 1:47 PM

To: Caroline Cusick ccusick@broadinstitute.org

Cc: Aaron M Ellison aellison@fas.harvard.edu, Jim Bochicchio jboch@broadinstitute.org



Hi Caroline, thanks for putting those on the FTP server. I'm grabbing those right now.

Best,

Matt

On Jun 13, 2017, at 9:43 AM, Caroline Cusick <ccusick@broadinstitute.org> wrote:

Hi Matt and Aaron.

Terry has moved all the information to the FTP (we will still create the Aspera backup) and has provided the information on the new assemblies below:

The assembly data is available via <a href="mailto:the-broadinstitute.org">ftp://aadata@ftp.broadinstitute.org</a> with the following username and password, you should be able to access the directory /lau/ant:

- o username aadata
- o password CILanalysis154

Each directory will have 5 files. Foe example using this folder, SM-AJDMW/

SM-AJDMW/remove.txt SM-AJDMW/assembly.agp SM-AJDMW/scaffolds.fasta SM-AJDMW/assembly.removed.fasta SM-AJDMW/contigs.fasta

The contigs.fasta and scaffolds.fasta are the updated assembly files and the assembly.agp is the updated AGP corresponding to the updated fasta files. The "remove.txt" file is the table of directives instructing modify\_assembly.py where to remove adapter sequence. Finally, assembly.removed.fasta is the fasta sequence of the removed adapter.

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Subject: Re: Meeting request (was RE: ant sequences NCBI errors)

Hi Matt and Aaron,

Terry has moved all the information to the FTP (we will still create the Aspera backup) and has provided the information on the new assemblies below:

The assembly data is available via <a href="mailto:the-broadinstitute.org">ftp.broadinstitute.org</a> with the following username and password, you should be able to access the directory /lau/ant:

o username aadata o password CILanalysis154

Each directory will have 5 files. Foe example using this folder, SM-AJDMW/

SM-AJDMW/remove.txt SM-AJDMW/assembly.agp SM-AJDMW/scaffolds.fasta SM-AJDMW/assembly.removed.fasta SM-AJDMW/contigs.fasta

The contigs.fasta and scaffolds.fasta are the updated assembly files and the assembly.agp is the updated AGP corresponding to the updated fasta files. The "remove.txt" file is the table of directives instructing modify\_assembly.py where to remove adapter sequence. Finally, assembly.removed.fasta is the fasta sequence of the removed adapter.

We're working on the methods and scripts, and I'll follow up with those as soon as we have them. Let me know if you have any questions or have any issues accessing the data.

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Hi Jim, thanks for the update.

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Thank you! Aaron

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From: Jim Bochicchio [mailto:jboch@broadinstitute.org]

Sent: Wednesday, May 31, 2017 3:56 PM
To: Ellison, Aaron <a href="mailto:aellison@fas.harvard.edu">aellison@fas.harvard.edu</a>

**Cc:** Lau, Matthew K. <<u>matthewklau@fas.harvard.edu</u>>; Jennifer Wineski <<u>jwineski@broadinstitute.org</u>>; Caroline Cusick

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Thanks Jim

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Works for me, too.

We'll be there.

Thank you, Aaron

Aaron M. Ellison, Senior Research Fellow

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Phone: 617-714-8513

Website
:
https://
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oadinsti
tute.org
/btl

Caroline Cusick Product Coordinator Broad Institute of MIT and Harvard 75 Ames St | Cambridge MA 02142 USA

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<ncbi\_contam\_screen.txt>

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## Jennifer M. Wineski

Senior Administrative Assistant Broad Technology Labs MIT-Broad Foundry

Broad Institute of MIT and Harvard 75 Ames Street Office 8016A Cambridge, MA 02142 Phone: (617) 714-R411

### Email: jwineski@broadinstitute.org

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From: Caroline Cusick ccusick@broadinstitute.org

Subject: Re: Meeting request (was RE: ant sequences NCBI errors)

Date: June 13, 2017 at 9:44 AM

To: Lau, Matthew K. matthewklau@fas.harvard.edu, Ellison, Aaron aellison@fas.harvard.edu

Cc: Jim Bochicchio jboch@broadinstitute.org

#### Hi Matt and Aaron,

Terry has moved all the information to the FTP (we will still create the Aspera backup) and has provided the information on the new assemblies below:

The assembly data is available via <a href="mailto:tp://aadata@ftp.broadinstitute.org">ftp://aadata@ftp.broadinstitute.org</a> with the following username and password, you should be able to access the directory /lau/ant:

- username aadata
- o password CILanalysis154

Each directory will have 5 files. Foe example using this folder, SM-AJDMW/

SM-AJDMW/remove.txt SM-AJDMW/assembly.agp SM-AJDMW/scaffolds.fasta SM-AJDMW/assembly.removed.fasta SM-AJDMW/contigs.fasta

The contigs.fasta and scaffolds.fasta are the updated assembly files and the assembly.agp is the updated AGP corresponding to the updated fasta files. The "remove.txt" file is the table of directives instructing modify\_assembly.py where to remove adapter sequence. Finally, assembly.removed.fasta is the fasta sequence of the removed adapter.

We're working on the methods and scripts, and I'll follow up with those as soon as we have them. Let me know if you have any questions or have any issues accessing the data.

thanks! Caroline

On Wed, May 31, 2017 at 4:22 PM, Lau, Matthew K. <<u>matthewklau@fas.harvard.edu</u>> wrote: Hi Jim, thanks for the update.

Cheers.

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We'll be there.

Thank you, Aaron

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Subject: RE: Meeting request (was RE: ant sequences NCBI errors)

Date: May 31, 2017 at 4:14 PM

To: Jim Bochicchio jboch@broadinstitute.org

Cc: Lau, Matthew K. matthewklau@fas.harvard.edu, Jennifer Wineski jwineski@broadinstitute.org, Caroline Cusick

ccusick@broadinstitute.org

Thank you! Aaron

Aaron M. Ellison, Senior Research Fellow

Harvard University, Harvard Forest 324 North Main Street Petersham, Massachusetts 01366 USA aellison@fas.harvard.edu

@AMaxEll17 http://harvardforest.fas.harvard.edu/aaron-ellison/

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**Sent:** Wednesday, May 31, 2017 3:56 PM **To:** Ellison, Aaron <aellison@fas.harvard.edu>

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Will that work for your schedules as well?

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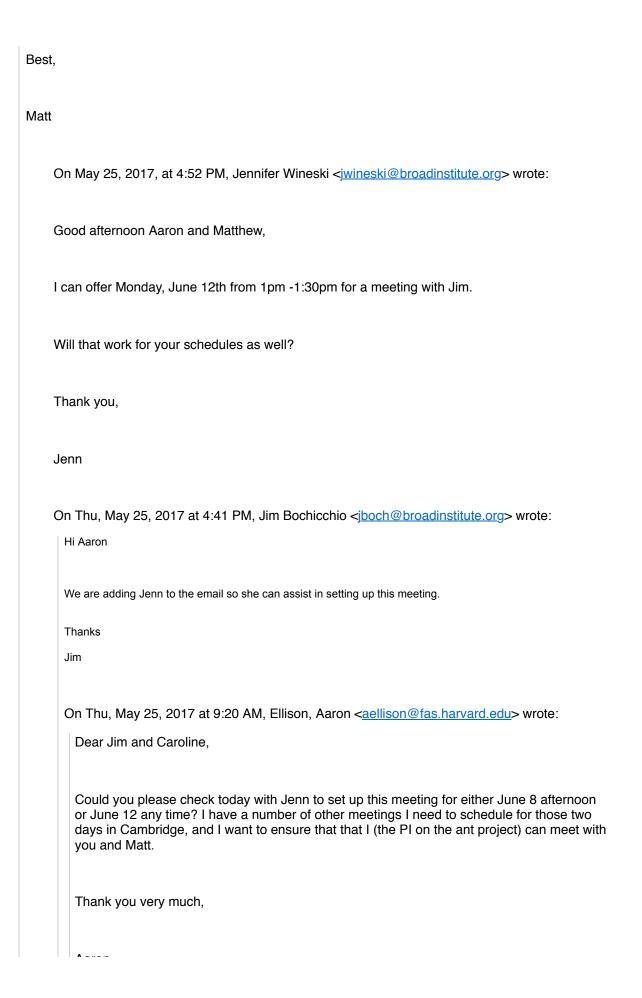
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Petersham, MA 01366
Office: (978) 756-6165
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Miles Kington
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Email: jwineski@broadinstitute.org

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Subject: RE: Meeting request (was RE: ant sequences NCBI errors)

Date: May 25, 2017 at 5:01 PM

To: Lau, Matthew K. matthewklau@fas.harvard.edu, Jennifer Wineski jwineski@broadinstitute.org

Cc: Jim Bochicchio jboch@broadinstitute.org, Caroline Cusick ccusick@broadinstitute.org

Works for me, too.

We'll be there.

Thank you, Aaron

Aaron M. Ellison, Senior Research Fellow

Harvard University, Harvard Forest 324 North Main Street Petersham, Massachusetts 01366 USA aellison@fas.harvard.edu

@AMaxEll17 http://harvardforest.fas.harvard.edu/aaron-ellison/

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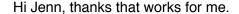
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aellison@fas.harvard.edu

@AMaxEll17



From: Lau, Matthew K.

**Sent:** Wednesday, May 24, 2017 10:39 AM **To:** Jim Bochicchio <jboch@broadinstitute.org>

**Cc:** Caroline Cusick < ccusick@broadinstitute.org >; Ellison, Aaron

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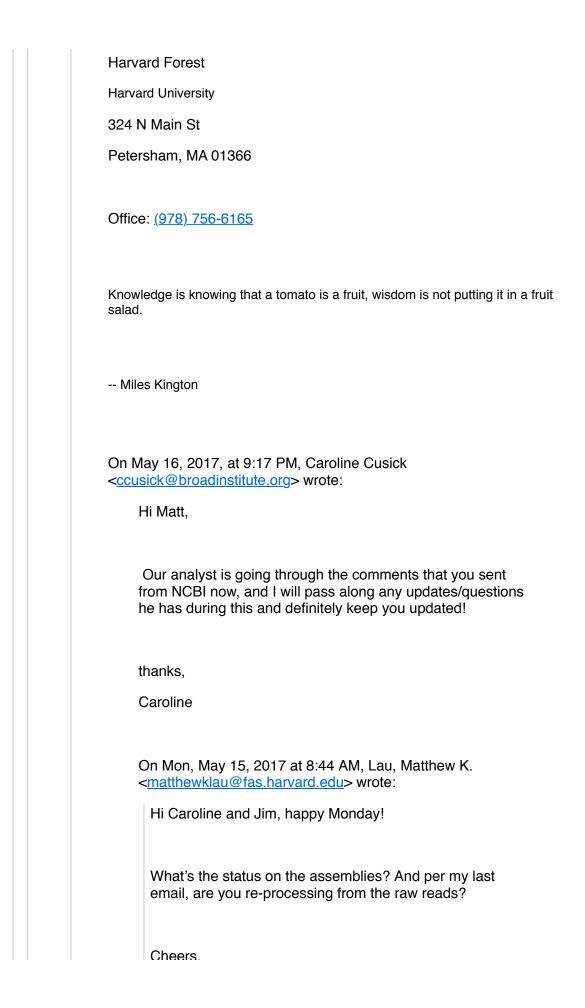
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### Jennifer M. Wineski

Senior Administrative Assistant Broad Technology Labs MIT-Broad Foundry

Broad Institute of MIT and Harvard 75 Ames Street Office 8016A Cambridge, MA 02142 Phone: (617) 714-8411

Email: jwineski@broadinstitute.org

AE

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Date: May 25, 2017 at 4:43 PM

To: Jim Bochicchio jboch@broadinstitute.org, Jennifer Wineski jwineski@broadinstitute.org
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Thank you.

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Aaron

Aaron M. Ellison, Senior Research Fellow
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From: Lau, Matthew K.

**Sent:** Wednesday, May 24, 2017 10:39 AM **To:** Jim Bochicchio <jboch@broadinstitute.org>

Cc: Caroline Cusick <ccusick@broadinstitute.org>; Ellison, Aaron <aellison@fas.harvard.edu>

Subject: Re: ant sequences NCBI errors

Hi Jim and Caroline, looking forward to getting something on the calendar.

Thanks!

Matt

On May 22, 2017, at 8:25 PM, Jim Bochicchio < jboch@broadinstitute.org > wrote:

Hi Matt

We'll check with Jenn our admin to set up a meeting. She's currently out of the office but should be back on Wednesday.

Thanks Jim

On Thu, May 18, 2017 at 4:49 PM, Lau, Matthew K. < matthewklau@fas.harvard.edu > wrote:

Hi Caroline and Jim, I know your analysts are still processing, but I figured it would be great to schedule an in-person meeting sometime within the next few weeks. These meetings can be hard to schedule for us in the summer time, so it's best to get something on the books now.

Does Thursday June 8 in the mid-to-late afternoon work for you? If not, does Monday June 12 (any time) work?

Also, I came across this presentation on Data Sharing at Broad (http://genomicinfo.broadinstitute.org/acton/attachment/13431/f-0132/1/-/-/-/ASHG16%20Workbench%20Presentation%20-%20Final.pdf?sid=TV2:QKwcswckd).

Per my request for the code, are your analysts starting to use these Workbench methods? It seems like it would make this a whole lot easier.

AE

### Thanks!

Matt

Postdoctoral Fellow Harvard Forest Harvard University 324 N Main St. Petersham, MA 01366 978-756-6165

"Knowledge is knowing a tomato is a fruit. Wisdom is not putting it in a fruit salad." — Miles Kingston

On May 17, 2017, at 6:25 AM, Lau, Matthew K. < <a href="matthewklau@fas.harvard.edu">matthewklau@fas.harvard.edu</a> wrote:

Hi Caroline, great thanks. Also, please ask your analyst what the ETA is. I would also like to see the code for the pipeline. I had asked for this back in December, but Terry wasn't able to get it after the analysis had already been done.

Best,

Matt

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Knowledge is knowing that a tomato is a fruit, wisdom is not putting it in a fruit salad.

-- Miles Kington

On May 16, 2017, at 9:17 PM, Caroline Cusick < ccusick@broadinstitute.org > wrote:

Hi Matt,

Our analyst is going through the comments that you sent from NCBI now, and I will pass along any updates/questions he has during this and definitely keep you updated!

thanks, Caroline

On Mon, May 15, 2017 at 8:44 AM, Lau, Matthew K. <a href="mailto:matthewklau@fas.harvard.edu">matthewklau@fas.harvard.edu</a> wrote:

Hi Caroline and Jim, happy Monday!

What's the status on the assemblies? And per my last email, are you reprocessing from the raw reads?

Cheers,

Matt

On May 12, 2017, at 12:14 PM, Lau, Matthew K. <<u>matthewklau@fas.harvard.edu</u>> wrote:

Great, thanks Caroline!

All 7 were flagged with errors, but only 5 have reports. I've concatenated the errors that I could get from NCBI (see attached). Each report starts with a header like this: "Contamination.txt\_AZXXM\_filtered\_scaffolds.txt". Let me know if you have any questions.

A question though. It seems like this means that there were adapters left in the sequences used for the assemblies. Are you going to go back to the raw sequences, remove them and then redo the assemblies?

Just in case it's helpful to know now, your FTP server will work fine for the data transfer.

Cheers,

Matt

On May 12, 2017, at 11:58 AM, Caroline Cusick <ccusick@broadinstitute.org> wrote:

Hi Matt,

We're going to go through and screen the assemblies for adapter, paying specific attention to the sites flagged by NCBI, and then set up a site for that data handoff. Once we get a sense of how long this will take, I can follow up with an ETA.

Our analyst had a question about whether all 7 assemblies were submitted to NCBI, or just this one (SM-AZXXM)? If the other six were returned with errors also, if you could pass that along and he will make sure to confirm that we've removed all the sites flagged by NCBI.

let me know if you have any questions! thanks, Caroline

On Fri, May 12, 2017 at 11:21 AM, Lau, Matthew K. <<u>matthewklau@fas.harvard.edu</u>> wrote:

Morning Caroline, have you had a chance to catch up with your data analysts yet? I have a meeting to discuss the state of this project after lunch and it would be good to have an idea of what you guys are doing on your end.

Thanks,

Matt

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-- Miles Kington

On May 11, 2017, at 4:55 PM, Caroline Cusick <<u>ccusick@broadinstitute.org</u>> wrote:

Hi Matt,

You are not forgotten! I'm just finalizing a few things with our analyst and I'l have an update for you tomorrow.

thanks! Caroline

On Thu, May 11, 2017 at 11:31 AM, Lau, Matthew K. <<u>matthewklau@fas.harvard.edu</u>> wrote:

Hi Caroline, just pinging you again to make sure I don't fall of the radar.

Thanks!

Matt

On May 10, 2017, at 10:13 AM, Lau, Matthew K. <<u>matthewklau@fas.h</u> arvard.edu> wrote:

Hi Caroline, please keep me posted. A quick question, if there are primers still in the assemblies, what are the potential issues with the estimates of coverage, GC content, contaminant removal, etc.?

Thanks, Jim, have a good few days out of the office.

### Best,

### Matt

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On May 9, 2017, at 3:36 PM, Jim Bochicc hio <jboch @broadi nstitute. org> wrote:

# Hi Matt

Our analyst s are still looking into this. l'm going to be out of the office for the next few days so Carolin e is going to keep an eye on this.

## Thanks Jim

On Tue, May 9, 2017 at 10:32 AM, Matthe w K. < matthe wklau@ fas.harv ard.edu > wrote:

Hi Jim, just follow ing up on my last coupl e of email s. Were you able to find out anythi ng about the seque nce labeli ng issue? Also, is there а good soluti on to remo ving the prime rs fromthe asse mblie s?

Best,

Matt

Postdo ctoral Fellow Harvar d

Forest Harvar Univer sity 324 N Main St. Peters ham, MA 01366 978-756-6165 "Knowl edge is knowin g a tomat o is a fruit. Wisdo

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— Mile s Kingsto

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<ncbi\_contam\_screen.txt>

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