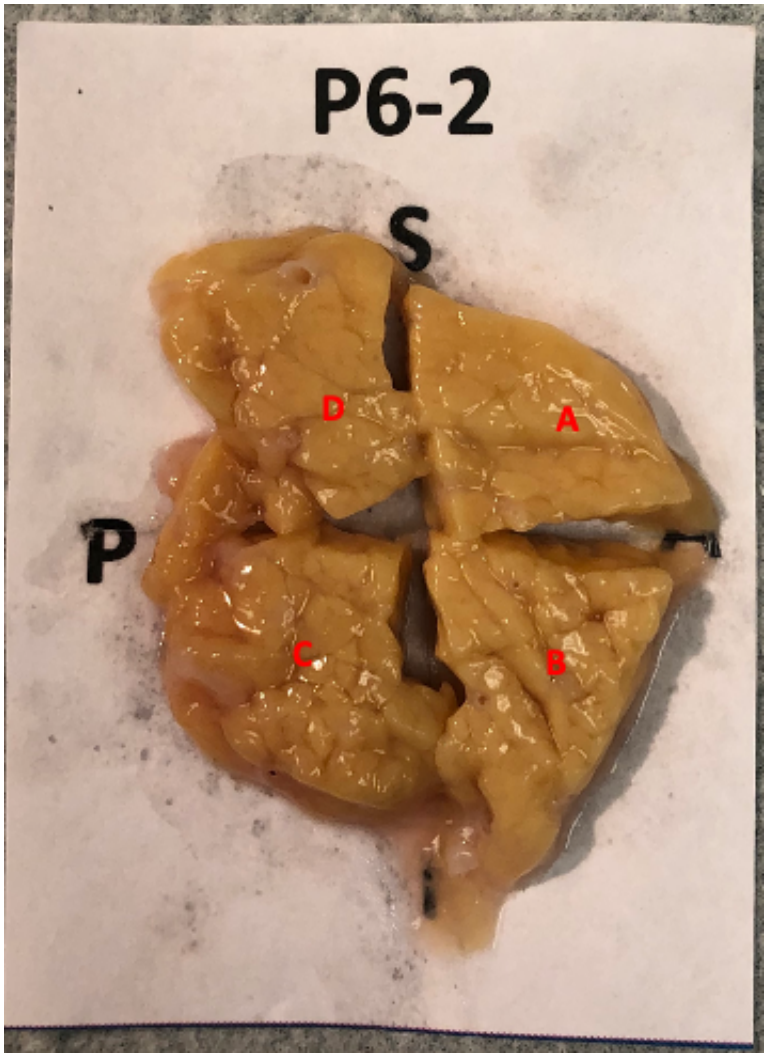
Re: [External] RE: Millitome for Pancreas

From: **Chen,Jing** | jic24@pathology.ufl.edu
Thursday, Mar 21 at 11:51

To: **Qaurooni, Dan** | dequeue@iu.edu
Cc: **Jain, Yashvardhan** | yashjain@iu.edu

Hi Dan,

If you search by HuBMAP ID you will notice P5-31 is small intestine. P5-32 and P5-33 are spleen tissue blocks. Sorry for the confusion, I submitted the metadata all together. All the other pancreata each has no more than 25 slices. For subdivision of A,B,C,D, I am attaching a picture to show you how we did this and hope this helps. Red letters on the tissue show each of the 4 blocks (A,B,C and D) from P6-2. The letters printed on the paper are for orientation purpose.



Thanks,

Jing Chen, Ph.D.
Associate Scientist
Department of Pathology, Immunology, and Laboratory Medicine
The University of Florida College of Medicine

phone: (352)-273-9262
Mailing Address:
Room J587
Biomedical Sciences Building
1275 Center Dr.
Gainesville, FL 32610-0275

From: **Qaurooni** | dequeue@iu.edu To: **Chen** Thursday, Mar 21 at 11:29

[External Email]

Hi Jing,

Thanks for all your help with the registrations so far.

We are trying to map your IDs to our millitome IDs and we have encountered a problem in matching the blocks from your model to ours. It seems that your look-up uses a different schema for blocks: numbers go from 1-30+ and subdivisions from A-D, while ours uses numbers that go from 1-25, A-B, i-ii. Do you have suggestions for resolving this and matching your blocks to ours?

I am cc'ing my colleague @Yash who has been looking into this as well.

Thanks again for your help!

-Dan

Danial Qaurooni
Postdoctoral Researcher,
Cyberinfrastructure for Network Science (CNS) Center,

Department of Intelligent Systems Engineering,
Luddy School of Informatics, Computing, and Engineering
Indiana University Bloomington

700 N. Woodlawn Ave. Luddy Hall, Suite 4018,
Bloomington, IN 47408

dequeue@iu.edu | www.dequeue.cc

From: **Jing** | jic24@pathology.ufl.edu Tuesday, Mar 19 at 11:21

Yes, the Lab IDs usually would be something like P1-19A. In which P1 is the first pancreas (P2 is the second, etc), 19 is the block, A is the subdivision of block 19 (usually divided into 4 pieces, A,B,C and D). The tsv file includes the first 3 pancreata. Each pancreas has its own HuBMAP ID.

Please let me know if you have further questions.

Thanks,

Jing Chen, Ph.D.
Associate Scientist
Department of Pathology, Immunology, and Laboratory Medicine
The University of Florida College of Medicine

phone: (352)-273-9262
Mailing Address:
Room J587
Biomedical Sciences Building
1275 Center Dr.
Gainesville, FL 32610-0275

<Outlook-c1gced0v.png>

From: **Qaurooni** | dequeue@iu.edu To: **Chen** Tuesday, Mar 19 at 13:14

[External Email]

Thanks so much Jing. Just to confirm, in the tsv file below, the Lab ID is to be found in the notes column, right? Thanks!

-Dan

Danial Qaurooni
Postdoctoral Researcher,
Cyberinfrastructure for Network Science (CNS) Center,

Department of Intelligent Systems Engineering,
Luddy School of Informatics, Computing, and Engineering
Indiana University Bloomington

700 N. Woodlawn Ave. Luddy Hall, Suite 4018,
Bloomington, IN 47408

dequeue@iu.edu | www.dequeue.cc

> From: **Jing** | jic24@pathology.ufl.edu Monday, Mar 18 at 11:16
>
> I forgot the attachment.
>
> Jing Chen, Ph.D.
> Associate Scientist
> Department of Pathology, Immunology, and Laboratory Medicine
> The University of Florida College of Medicine
>
> phone: (352)-273-9262
> Mailing Address:
> Room J587
> Biomedical Sciences Building
> 1275 Center Dr.
> Gainesville, FL 32610-0275
>
> <Outlook-n4s33hu0.png>
>
> > From: **Chen** | jic24@pathology.ufl.edu To: **Qaurooni** Monday, Mar 18 at 13:03
> >
> > My best guess is the metadata table of all blocks we have. These tables will have Lab ID and HuBMAP ID of each block. Since the link to submit metadata has never been active, I was instructed to email my metadata table to Hive. I think they are still working to link my metadata to blocks. Let me email the tables directly.
> >
> > Thanks,
> >
> > Jing Chen, Ph.D.
> > Associate Scientist

Department of Pathology, Immunology, and Laboratory Medicine
The University of Florida College of Medicine

phone: (352)-273-9262
Mailing Address:
Room J587
Biomedical Sciences Building
1275 Center Dr.
Gainesville, FL 32610-0275

<Outlook-cjrihu21.png>

From: **Qaurooni** | dequeue@iu.edu To: **Chen** Monday, Mar 18 at 12:55

[External Email]

Thanks! So Martha says the mapping information we need has been uploaded “into HIVE”. Could you please tell me where I can find that information? We basically need the equivalent of a look-up table we can use to map samples between different IDs. Thanks again!

-Dan

Danial Qaurooni
Postdoctoral Researcher,
Cyberinfrastructure for Network Science (CNS) Center,

Department of Intelligent Systems Engineering,
Luddy School of Informatics, Computing, and Engineering
Indiana University Bloomington

700 N. Woodlawn Ave. Luddy Hall, Suite 4018,
Bloomington, IN 47408

dequeue@iu.edu | www.dequeue.cc

From: **Jing** | jic24@pathology.ufl.edu Friday, Mar 15 at 08:20

HBM779.BJZD.822
HBM443.CZNW.397
HBM939.LTSN.866
HBM829.BPGP.423
HBM979.SXXG.553
HBM763.KHNB.334

Please let me know if you need more information. Thanks,

Jing Chen, Ph.D.
Associate Scientist
Department of Pathology, Immunology, and Laboratory Medicine
The University of Florida College of Medicine

phone: (352)-273-9262
Mailing Address:
Room J587
Biomedical Sciences Building
1275 Center Dr.
Gainesville, FL 32610-0275

<Outlook-fpheqpzk.png>

> From: **Qaurooni** | dequeue@iu.edu To: **Chen** Friday, Mar 15 at 10:01
>
> **[External Email]**
> Hi Jing,
>
> Could you please share the HuBMAP IDs for the six pancreas donors Martha is referring to below? Thanks!
>
> -Dan
>
> Danial Qaurooni
> Postdoctoral Researcher,
> Cyberinfrastructure for Network Science (CNS) Center,
>
> Department of Intelligent Systems Engineering,
> Luddy School of Informatics, Computing, and Engineering
> Indiana University Bloomington
>
> 700 N. Woodlawn Ave. Luddy Hall, Suite 4018,
> Bloomington, IN 47408
>
> dequeue@iu.edu | www.dequeue.cc
>
> > From: **Martha** | thompmc@pathology.ufl.edu Thursday, Mar 14 at 15:06
> >
> > Correct-

Jing has all that information and has already uploaded the millitome_id eg slice # into HIVE.

Each slice is processed to a given method rather than a slice being processed into 4 quarters with different methods. The latter was the way Vanderbilt was doing it.

We do not always default to 4 quarters (A-D) per slice because the slice size can vary from 4-6 cm in the head region then narrow to 1-3 cm in the body and tail regions. This is a major reason why the millitome device does not work for the pancreas. Certainly in the head region 4 quarters are made for fresh frozen slices. But we are processing some slices to whole pancreas cross sections using large format cassettes to obtain a H&E of the entire cross section of the pancreas. This allows for a more accurate 3D representation of the pancreas from head to tail.

All processing information for each slice and subdivisions is also uploaded to HIVE by Jing.

Can you look at the data Jing has already provided for the 6 donor pancreases then meet with her to discuss anything else needed?

Sincerely,
Martha

From: **Qaurooni** | dequeue@iu.edu To: **Thomas** Thursday, Mar 14 at 16:47

[External Email]
Hi Martha,

Thanks for the update. The lookup table Jerin is asking for can be constructed based on your sectioning worksheet I believe, provided that we can get information that we already have in the case of the millitome, i.e., how many blocks and sections are created from the pancreas and whether you are cutting into quarters like in the millitome?

Once we have this information, we basically need a table that tells us which HuBMAP IDs correspond to which blocks/sections. The end result would look something like this:

https://docs.google.com/spreadsheets/d/1IAcv-txw63wmiBUTUvqrbjSuocsonvwt/edit#gid=2105616310

Will we be able to get the above information (number and shape of blocks/sections) from your worksheet? Please let us know!

Thanks!

Dan

Danial Qaurooni

Postdoctoral Researcher,
Cyberinfrastructure for Network Science (CNS) Center,

Department of Intelligent Systems Engineering,
Luddy School of Informatics, Computing, and Engineering

Indiana University Bloomington

700 N. Woodlawn Ave. Luddy Hall, Suite 4018,
Bloomington, IN 47408

dequeue@iu.edu | www.dequeue.cc

From: **Martha** | thompmc@pathology.ufl.edu Wednesday, Mar 13 at 15:09

This message was sent from a non-IU address. Please exercise caution when clicking links or opening attachments from external sources.

Hello Jerin-

I have no idea what you mean “lookup table for Millitome for Pancreas”. We do not use the millitome during pancreas processing because of its soft structure with variable lengths and widths. We do have a sectioning worksheet with every slice weighed and photographed.

Believe you met with James, Jing and/or Clayton to discuss this; they are cc:d to assist you with whatever is needed.

Sincerely,
Martha

From: **Thomas** | jerithom@iu.edu To: **Campbell-Thompson** Wednesday, Mar 13 at 16:09

[External Email]
Hello Martha,

I hope this email finds you well.

I am reaching out to inquire if it would be possible for you to deliver the lookup table for Millitome for Pancreas by 04/01/24. Your prompt attention to this matter would be greatly appreciated.

If necessary, we are available for meetings on most weekdays between 1-5 PM ET to discuss any details or requirements regarding this request.

Looking forward to your response. Much Thanks!

Regards,
Jerin Easo Thomas
Assistant Project Manager
Cyberinfrastructure for Network Science (CNS) Center
Indiana University Luddy School of Informatics, Computing, and Engineering
jerithom@iu.edu