

Subject: ***UNCHECKED*** Re: Analysis of the February SAXS data? – Re: SAXS beam time (3/23 ~ 25)
Fwd: Fwd: Re: SAXS time
From: Neil T Umbreit <umbreit@u.washington.edu>
Date: 3/15/2012 4:31 PM
To: Seung Joong Kim <sjkim@salilab.org>

Hi SJ,

Thanks for taking time to talk to me about the modeling. Here are all of the models I generated so far. I'll let you know how it goes when I redo the modeling using Autognom output files.

So that you can interpret all of my SAXS data and files, I'll describe the samples more clearly here:

Anything that has 110_17 or MBP110_17, or just MBP110 is the **smaller species of MBP-Spc110/CMD1** from gel filtration. We expect that to be a **dimeric species**, meaning that it contains two complexes of **MBP-Spc110/CMD1**. I tried modeling this with P1 and P2 symmetry.

Anything that has 110_8 or MBP110_8 is the **larger species of MBP-Spc110/CMD1**. We think that one is about **three times as big as 110_17**. I tried modeling this with P3 symmetry.

MBP_42 or MBP is just the MBP protein by itself. We want to be able to subtract that structure from the MBP-Spc110/CMD1 structure, if possible.

MC_7 is one of the gel filtration fractions for MIND-COMA. I decided this one was not good when I measured it at the beamline last time, so you don't need to pay attention to it.

MC_11 is another gel filtration fraction for MIND-COMA. This is the one I decided to use for modeling.

OA_17 is Okp1/Ame1 proteins (as in MIND-COMA). I'm not sure what oligomeric species this sample should be.

Let me know if you need any further descriptions. The files are really big so I have to write another email containing the modeling files for MC and OA.

Neil

On Wed, Mar 14, 2012 at 11:38 PM, Seung Joong Kim <sjkim@salilab.org> wrote:

Yes, let's do that!

– SJ

On 3/14/2012 11:27 PM, Neil T Umbreit wrote:

Tomorrow should be fine -- on the later side is good for me, how about 3:30?

Neil

On Wed, Mar 14, 2012 at 11:21 PM, Seung Joong Kim <sjkim@salilab.org> wrote:

Hi Neil,

For me, tomorrow afternoon would be good. Also Friday is another option, but I prefer

tomorrow..

Anytime between 1 pm to 4pm works. Just let me know when is good for you!

- SJ

On 3/14/2012 11:08 PM, Neil T Umbreit wrote:

Hi SJ,

If you can, let's talk on Skype this week -- then we can talk about the progress of the SAXS data analysis (which I think I am mostly finished, but I haven't had much time to look at it yet). Unfortunately, since I have been so busy with other things in the past few weeks, I don't think I can make it for March 23-25, but we can talk more about that, too.

Let me know when (if) you can Skype. Maybe Friday sometime?

Neil

On Wed, Mar 14, 2012 at 8:06 PM, Seung Joong Kim <sjkim@salilab.org> wrote:

Hi Neil,

Did you manage to analyze the latest SAXS data set (collected in February)? Andrej wants to see a progress report for the SPB project. I have a full back-up of your raw data set, but I don't remember which ones correspond to components of the Spindle Pole Body. Please give me descriptions of your data sets, or if you already finished analysis of your data set (including SAXS ab initio shapes by dammif/dammin/gasbor), it would be great if you could send them to me.. Please let me know if you have any problems / issues too.

Also I sent an email regarding to the beam time on March 23-25. If you're interested in, please let me know when you can come to SLAC. As we discussed earlier, you can stay at San Francisco for few more days for discussion / analysis together.

Many Thanks!

- SJ

On 3/12/2012 12:51 AM, Seung Joong Kim wrote:

Hi Neil,

Sorry for the late notice. I had to email you earlier. We have an upcoming SAXS beam time on March 23-25 (starting 6am 3/23 and ending at 6am 3/25). It is a shift of 3/1 ~ 3 beamtime, which I asked to change. If you have any samples available, you can utilize this beam time as usual. This may be the last chance we can get before June / July this year.

Please let me know if you have any questions..

- SJ

----- Original Message -----

Subject:Fwd: Re: SAXs time

Date:Thu, 08 Mar 2012 12:49:22 -0800

From:Seung Joong Kim <sjkim@salilab.org>

To:Jeff Mugridge <jmugridge@gmail.com>

Hi Jeff,

I just want to share with you that I have an upcoming SAXS beam time on March 23-25, at SLAC beamline 4-2. If you're interested in, please let me know. We can go there together, or I can collect samples for you.

- SJ

----- Original Message -----

Subject:Re: SAXs time

Date:Thu, 08 Mar 2012 12:31:55 -0800

From:Seung Joong Kim <sjkim@salilab.org>

To:Natalia Ketaren <nketaren@mail.rockefeller.edu>

Hi Natalia,

I was about sending the email today. It is March 23-25, we have 15 days from today.. The beam time used to be March 1-3, but I switched it to March 23-25.. Hopefully you have some samples available by then!

- SJ

On 3/8/2012 12:04 PM, Natalia Ketaren wrote:

> Hi SJ,

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> I was wondering when the next round of beam time was?

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> Cheers,

> Nat

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> Natalia E. Ketaren, PhD

> Postdoctoral Associate

> Rout Laboratory

> Box 213

> The Rockefeller University

> 1230 York Avenue

> New York, NY 10065

>

> Tel: (212) 327-8136

> Fax: (212) 327-7193

> Natalia.Ketaren@rockefeller.edu

Seung Joong Kim, Ph.D.

Postdoctoral Scholar, Andrej Sali group
Department of Bioengineering and Therapeutic Sciences
University of California at San Francisco (UCSF)
[1-217-649-2147](tel:1-217-649-2147)

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Seung Joong Kim, Ph.D.

Postdoctoral Scholar, Andrej Sali group
Department of Bioengineering and Therapeutic Sciences
University of California at San Francisco (UCSF)
[1-217-649-2147](tel:1-217-649-2147)

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University of California at San Francisco (UCSF)
[1-217-649-2147](tel:1-217-649-2147)

—Attachments:

MBP_Modeling.zip	5.4 MB
MBP110_Modeling.zip	17.5 MB