
Omy392

10 messages

Dayan, David Isaac <david.dayan@oregonstate.edu>
To: "Fitzpatrick, Cristin Keelin" <cristin.fitzpatrick@oregonstate.edu>

Thu, Jul 29, 2021 at 2:29 PM

Hi Cristín,

I noticed the last handful of Omy GTseq runs used Omy391 or Omy392 for the panel shorthand on run documents. I only have 390 snps in the latest version of the SFGL panel, and 376 in the latest CRITFC panel (OmyGTseqv6.1) and 456 total possible markers ever used by CRITFC.

Do you have a list of the markers in the panel that you're using in the lab that you could share with me?

Thanks,
David

--
David Dayan, PhD
Faculty Research Assistant
State Fisheries Genomics Laboratory
Oregon State University
2030 SE Marine Science Dr
Newport, Oregon 97365-5294

e: dayand@oregonstate.edu

Fitzpatrick, Cristin Keelin <cristin.fitzpatrick@oregonstate.edu>
To: "Dayan, David Isaac" <david.dayan@oregonstate.edu>

Thu, Jul 29, 2021 at 4:57 PM

Hi David,

I'll have to go into Sandra's computer for further information (on her pooling and looking for her IDT order sheet etc.) since she was the one doing the Omy panels. However, here is the Omy primer spec sheet I downloaded from the share drive. It looks like there is a missing primer in the spec sheet. Going through it there are 390 primer pairs, and 16 i7s that were put on the last plate for the order (Omy391PT5). There is a marker that does not have a F primer in the spec sheet. Omy_Ots249-277 only has a reverse in well D11 of plate Omy391PT2R. In fact, it looks like Omy391PT2F well D11 isn't even in the sheet, but was skipped over somehow?

I'll try and look into this more tomorrow, and go check the physical plates for that well. But I think that solves the missing snp question. There should be 391.

Thanks,
Cristín

Cristín Keelin Fitzpatrick, M.S.
Faculty Research Assistant
State Fisheries Genomics Lab
Oregon State University
2030 SE Marine Science Dr
Newport, Oregon 97365-5294

From: Dayan, David Isaac <david.dayan@oregonstate.edu>
Sent: Thursday, July 29, 2021 2:29 PM
To: Fitzpatrick, Cristin Keelin <cristin.fitzpatrick@oregonstate.edu>
Subject: Omy392

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 **Omy_GTseq_primer_specs.xlsx**
114K

Dayan, David Isaac <david.dayan@oregonstate.edu>
To: "Fitzpatrick, Cristin Keelin" <cristin.fitzpatrick@oregonstate.edu>

Thu, Jul 29, 2021 at 5:08 PM

Sounds good. I'm curious how many are on the physical plate.

Thanks,
David

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Fitzpatrick, Cristin Keelin <cristin.fitzpatrick@oregonstate.edu>
To: "Dayan, David Isaac" <david.dayan@oregonstate.edu>

Fri, Jul 30, 2021 at 4:33 PM

Hi David,

The physical plate does have primer in the D11 well of plate Omy391PT2F. IT also has the label for Omy_Ots249-277_F. So, I think that it's there. Of the 390 snps you have, do you know which one from the spec sheet is missing? I have not had time to dig into Sandra's primer mixes, but her notes look like she pooled them all (the assumed 391).

Thanks,
Cristín

Cristín Keelin Fitzpatrick, M.S.
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Sent: Thursday, July 29, 2021 5:08 PM
To: Fitzpatrick, Cristin Keelin <cristin.fitzpatrick@oregonstate.edu>
Subject: Re: Omy392

[Quoted text hidden]

Dayan, David Isaac <david.dayan@oregonstate.edu>
To: "Fitzpatrick, Cristin Keelin" <cristin.fitzpatrick@oregonstate.edu>

Fri, Jul 30, 2021 at 5:02 PM

Hi Cristín,

It looks like two SNPs are on the spec sheet, but not on the probe sequence file we've been using:

One is the sex marker, which makes sense, because it isn't supposed to be on the probeseq file.
The second is "Omytzf1-217"

I don't have anything, anywhere, for Omy_Ots249-277, other than the spec sheet you sent me.

David

[Quoted text hidden]

Fitzpatrick, Cristin Keelin <cristin.fitzpatrick@oregonstate.edu>
To: "Dayan, David Isaac" <david.dayan@oregonstate.edu>

Fri, Jul 30, 2021 at 5:04 PM

Hi David,

I'll see if I can dig into her files about this Monday then.

Thanks,
Cristín

Cristín Keelin Fitzpatrick, M.S.
Faculty Research Assistant
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[Newport, Oregon 97365-5294](#)

From: Dayan, David Isaac <david.dayan@oregonstate.edu>

Sent: Friday, July 30, 2021 5:02 PM

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[Quoted text hidden]

Fitzpatrick, Cristin Keelin <cristin.fitzpatrick@oregonstate.edu>
To: "Dayan, David Isaac" <david.dayan@oregonstate.edu>

Mon, Aug 2, 2021 at 10:20 AM

Hi David,

Attached is the Omy loci information that we have for the panel. Omy_Ots249-277 is on there but not Omytzf1-217 is not. Though there is a Omy_ftzf1217 (alternatively written Omy_ftzf1-217). I assume this is the loci you found just with a spelling error, missing the other "f." Omy_ftzf1-217 is also in the primer pool, on plate Omy391PT3.

Both markers should be in the pool and I'm not sure why they aren't on the probeseq file. Can you send me the file as well?

I am still looking to see if I can find a pooling file from Sandra.

Thanks,
Cristín

Cristín Keelin Fitzpatrick, M.S.
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From: Dayan, David Isaac <david.dayan@oregonstate.edu>
Sent: Friday, July 30, 2021 5:02 PM

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Omy loci information BPA IDT PROBEseq 19Mar2021.xlsx
273K

Fitzpatrick, Cristin Keelin <cristin.fitzpatrick@oregonstate.edu>
To: "Dayan, David Isaac" <david.dayan@oregonstate.edu>

Mon, Aug 2, 2021 at 10:46 AM

Correction. I think I found one of the problems. It's Omy_Ots249-227 (not 277). That marker is present in both the primer panel sheets, and the probseq file.

I realized I could just check the GitHub probeseq file, which is the one I assume you are working with.

So, both Omy_Ots249-227 and Omy_ftzf1-217 should both be present in the pool and the probeseq. This should be all the loci then, correct? You had 390 snps, not including the sex marker. With the sex marker, it's 391.

I think that resolves it unless I am misunderstanding. Let me know.

Thanks,
Cristín

Cristín Keelin Fitzpatrick, M.S.
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From: Fitzpatrick, Cristin Keelin <cristin.fitzpatrick@oregonstate.edu>
Sent: Monday, August 2, 2021 10:20 AM
To: Dayan, David Isaac <david.dayan@oregonstate.edu>
Subject: Re: Omy392

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From: Dayan, David Isaac <david.dayan@oregonstate.edu>
Sent: Friday, July 30, 2021 5:02 PM

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To: "Fitzpatrick, Cristin Keelin" <cristin.fitzpatrick@oregonstate.edu>

Yes, that makes total sense. So should we call that primer pool Omy390 to keep it consistent with earlier stuff that used the same pool? Or Omy391 because it has 391 markers (with the sex marker)? We can also wait to figure it out during lab meeting.

Thanks,
David

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Fitzpatrick, Cristin Keelin <cristin.fitzpatrick@oregonstate.edu>

Mon, Aug 2, 2021 at 3:18 PM

To: "Dayan, David Isaac" <david.dayan@oregonstate.edu>

Hi David,

I did some more digging as well. It looks like the 392 is from a species ID marker (Oki120255-113) added for the Upper Willamette steelhead project. Attached is a spreadsheet describing all the markers.

We can figure out what to call the panel in the lab meeting tomorrow.

Thanks,
Cristín

Cristín Keelin Fitzpatrick, M.S.
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From: Dayan, David Isaac <david.dayan@oregonstate.edu>

Sent: Monday, August 2, 2021 1:32 PM

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 **Omy391_marker-disposition UWR baseline.xlsx**
49K