

Variant calling: detecting SNPs in WGS data relative to H37Rv - Support #145

Follow up on the feedback of the 17 November 2022 meeting

11/17/2022 12:53 PM - Ephie Geza

Status:	New	Start date:	01/25/2023
Priority:	Normal	Due date:	01/30/2023
Assignee:	Mthawelanga Ndengane	% Done:	100%
Category:		Estimated time:	5.00 hours
Target version:		Spent time:	2.00 hours
Description			
Hi Gerrit Botha ,			
The meeting with Mtha went on well. Since the pipeline is now running the BST wanted to check if the reference genome (H37Rv NCBI GenBank, GCA_000195955.2_ASM19595v2) and the database that they are using for molecular typing (pubMLST) are the right ones. This are the right ones.			
More details were given on the samples (which was also a confirmation of Anna's 7 March 2022 email):			
<ol style="list-style-type: none">1. The six samples that were shared in that excel sheet file are cultured2. Of the cultured, three are manipulated on position 605. In other words, 90 and 91 are same; however, 91 is manipulated on position 605. 92 and 93 are same; 93 is manipulated on position 605, and this is the same for 94 and 95.3. The third set is the original samples (uncultured); which Anna referred to in her 7 March email email that Mtha should collect from Tash.			
The objectives are to:			
<ul style="list-style-type: none">• Determine if lab manipulations introduced any change in the strain genome (culture strains: non-manipulated vs manipulated) and• Determine the changes that could have been introduced by culturing (original or not cultured vs cultured and not manipulated strains).			
We therefore agreed that,			
<ol style="list-style-type: none">1. Since we do not have the original strains, Mthawelanga Ndengane will share these after getting them from Tash.2. Mthawelanga Ndengane will also make a follow up on the timeline for the processing of the 3 samples whose DNA is not sufficient for good quality WGS (ones in red on the excel sheet of sample information shared by Anna on 7 March and get back to the BST team.			
Kind regards, Ephie			

History

#1 - 11/18/2022 11:28 AM - Gerrit Botha

Thank you Ephie, let me know if there is anything I can help with.

Regards,

Gerrit

#2 - 01/25/2023 11:53 AM - Ephie Geza

- Subject changed from *Feedback: meeting to discuss about the progress on the analysis (17 November 2022)* to *Follow up on the feedback of the 17 November 2022 meeting*

- Due date changed from *11/23/2022* to *01/30/2023*

- Start date changed from *11/17/2022* to *01/25/2023*

Hi Mtha,

Kindly update us on the original strains you were supposed to get from Tasha and the three (3) samples whose DNA wasn't sufficient for good quality

WGS.

Kind regards,
Ephie

#3 - 05/11/2023 03:42 PM - Ephie Geza

- *Tracker changed from Bug to Support*
- *Assignee set to Mthawelanga Ndengane*
- *% Done changed from 0 to 100*