

Jouy en Josas, June 14th, 2024

Dear recommender of PCI Genomics, and Dr Massart,

We are pleased to send you the second revision of our manuscript, carefully read and modified according to your last recommendations. We treated all points raised as follows:

1. Summary: it is now less methodological and more focused on the results (lines 41-46).
2. ssDNA quantification with Nanodrop and Qubit: now added in the manuscript, lines 147-149, and supplementary table 1.
3. Replication of the results shown in Figure 2, three repeats were done, this is now explicitly said line 351.
4. Supplementary table 5 gives data on the virome assemblies. Please note that with our pipeline, we did not compute the total number of contigs per sample, only those that are viral.
5. Discussion about improvement of T7pol treatment is added lines 468-473
6. We double-checked, and the virome reads files are really in the same place as all other read files. They all start with "Stool". We also added in the "description" field of the archive that they are there (this was not done).

To facilitate the second revision assessment, the clean version of this manuscript is in BioRxiv and contains all parts of the manuscript: the main text with figures at the place where they are mentioned in the text followed by all the supplementary material. In addition, the new supplementary material file has been made available at the institutional doi address. Finally, we also join a track change version of the same manuscript.

We hope this manuscript now reaches the high PCI standards, and once it is recommended, we would like to publish it in Peer Community Journal. Is this done automatically, or how should we proceed?

Yours sincerely,



Marie-Agnès Petit
Phage team leader in the MICALIS department

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