Dear Hans Zauner,

Thank you for finalising the processing and for recommending more minor revisions to ensure the manuscript format is correct. We have addressed all your points in our 3rd revision and explained below in green what we did.

- In the main text, the GigaScience format does not allow URLs and other hyperlinks such as ftp addresses. All URLs and other hyperlinks need to be deleted from the main text, but you can refer to online sources by giving any online source their own, numbered item in the bibliography. For example, line 1260:

"KO identifiers were then mapped using the KEGG Mapper Reconstruct tool (https://urldefense.com/v3/__https://www.genome.jp/kegg/mapper/reconstruct.html__;!!C5rN6bSF!F0nNSbByCFH4pyYl6rdxe2zwC5G2eNCS3s3-fDD1mezba_Z8IXKBGjG_d2aEt6rRiXE50zcRXGQQVszejbfQemlM$ , accessed on May 2022) “ should be revised to "KO identifiers were then mapped using the KEGG Mapper Reconstruct tool [citation number]”.

The authors: Thank you. All the hyperlinks have been removed. Those not covered by citations were converted to citations themselves.

Please refer to the citation guidelines on our homepage for details.

The authors: Thank you, this has been done.

- In the data availability section, please just mention the MASSIVE accession number, which is a unique and stable identifier, and delete the ftp link.

The authors: Thank you. This has been done and we’ve added the citation with the link to the repository.

- Some of the supplemental files are now included in the GigaDB repository. I’m not sure if you want to keep them in the article supplement as well - if it’s redundant, that’s probably not necessary, but it’s up to you. (To explain, supplemental files that are uploaded via Editorial Manager will be hosted/linked on our publisher's homepage together with the article, independent of our database GigaDB. The GigaDB entry has the advantage that it has its own unique identifier (doi) and is citable independently of the article).

The authors: Thank you. The GigaDB team has indeed uploaded all my supplementary files therefore we do not need to keep them in the article supplement. In the data availability statement, we indicate the citation referring to our GigaDB DOI. In the additional files statement, we list all the supplements with a short description.

We hope you will find these changes satisfactory. Please note that I’m attending a conference from 19-23 Sept with limited internet access, and then I’m on leave from 24 Sept – 10 Oct during which I will not check my emails at all.

Kind regards,
Delphine Vincent.