

Response to Reviewer 1 Comments

The manuscript at hand gives a nice overview on how ribosome production is regulated both in budding and fission yeast at the level of gene expression. It tries to compare the two yeast species, which is challenging, regarding the lack of knowledge still prevalent for *S. pombe*. Yet, the authors to a good job with summarizing the data available.

Response: Thank you for your positive remarks about our manuscript. We revised all of the concerns raised below.

There is only one small criticism regarding the regulatory schemes: whenever necessary, but especially in Figures 3 and 4, I would suggest to include the nuclear membrane to make clear, which factors depend on their translocation between cytosol and nucleus for their regulation. In addition, in Figure 2 I would suggest not to imply a total repression of the rDNA under starvation conditions by drawing all arrows in blue in the lower part. Although there may be considerable reduction of gene expression, it is surely not completely abolished.

Response : Thank you for pointing this out. We reflected your suggestions to the figures.

As for the English and some other queries, I have extensively marked up the manuscript with suggestions and will attach the PDF file, rather than copying all comments, here.

Response : I really appreciate your fixing English throughout the manuscript. We reflected all of your corrections in the revised manuscript. We also utilized MDPI's English editing service to improve the English of the manuscript.