

Review of: "Programmed-DNA Elimination in the free-living nematodes *Mesorhabditis*"

Zhou chunhua

Potential competing interests: The author(s) declared that no potential competing interests exist.

In the study entitled "Programmed-DNA Elimination in the free-living nematodes *Mesorhabditis*" by Rey et al, the authors used a combination of cytological observation, genomic and transcriptomic analysis to describe the dynamics of elimination and the nature of the eliminated sequences in species of the free-living nematode genus *Mesorhabditis*. This study provides significant insights into our understanding of chromatin regulation and genome stability. However, there are some points that the authors need to address to make the manuscript clearer.

1. The abstract is too long. The authors are encouraged to abridge the abstract.
2. In Introduction, "In this study, we used a combination of cytological observation, genomic and transcriptomic analysis to describe the dynamics of elimination and the nature of the eliminated sequences in the asexual species *M. belari* and the sexual species *M. spiculigera* (Launay et al., 2020)." If this is done in this study, no references need to be cited.
3. In Materials and methods, "For this study, we analyzed *M. belari* JU2817, *M. simplex* (JU2864), *M. spiculigera* AF72 (Launay et al., 2020), as well as *M. irregularis* (SB321) (a kind gift from David Fitch)." Is this inconsistent with the species mentioned in Introduction.