Review of: "The Assembly of the Y Chromosome Reveals Amplification of Genes Regulating Male Fertility in Bactrocera Dorsalis"

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Potential competing interests: No potential competing interests to declare.

The authors of the manuscript titled “The Assembly of the Y Chromosome Reveals Amplification of Genes Regulating Male Fertility in *Bactrocera Dorsalis*” have made significant efforts to investigate the sequence of the Y chromosome in *Bactrocera dorsalis*.

This article is acceptable for publication in its current form. However, I believe there are some aspects that need clarification...

1) The centromeres of the autosomes of *A. fraterculus* sp. 1 and the X chromosome are positive for H3S28ph. In the Y chromosome, the positive signal with the same antibody appears slightly more interstitial in the long arm. Additionally, when tested with the CENP-A antibody, no positive signal was detected. All this information is detailed in Giardini et al. (2015), which represents the first exploration of centromeric sequences in an agricultural insect.

2) What types of satellite DNA sequences did you identify? Where are the 18S ribosomal genes located?