

# Review of: "Modeling the processive movement of dimerized kinesin-10 NOD motors"

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**Potential competing interests:** No potential competing interests to declare.

In this article authors have proposed three new theoretical models to study the processive movement of the dimerized NOD motor. The authors have extensively used experimental and relevant literature studies to develop their models. This article can make a good contribution to the field of molecular motors. However, some points need to be explained by the authors. Overall, this article deserves publication.

1. It would be great, if the authors explain the details of the methodology used in the calculation of different quantities citing the relevant papers.
2. It would be a good addition, if authors can get some experimental (from the published literature) comparisons with few of the theoretical results in this article.
3. It seems that, in Figure 4 the value of  $d$  is taken as variable. What is the rationale for taking those specific values of  $d$ ? Is there any literature that have reported those values of  $d$ ?