

## Round #2

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Author's Reply:

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### Decision

by Adele Mennerat and Enric Frago, 2019-04-23 16:58

Manuscript: <https://www.biorxiv.org/content/10.1101/371385v3> version 3

### PCI Ecology: minor revision prior to recommendation

Dear K. Tougeron and co-authors,

We have now read your revised manuscript, as well as your answer to reviewers. Congratulations for all the work done addressing the reviewers' suggestions and questions, and for a neat and thorough experimental study. We are willing to recommend your preprint, but before we do this, could you please consider the following suggestions for edits and upload a new version of your preprint?

Thanks in advance,

Best regards,

Adele Mennerat & Enric Frago.

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L46: trait expression (remove hyphen)

L59: across time -> over time

L74: contributes to maintain -> contributes to maintaining

L75: reproductive cycle (remove hyphen)

L91: detangled -> disentangled

L124: the mild winter area (add "the")

L125: diapause-inducing cues (add hyphen)

L126: and to the relative occurrence

L127: respective area of origin -> respective areas of origin

L134: origins -> origin

L135: , which (comma before which)

L142: half of the grandparent was -> either "half of the grandparent generation" or "half of the grandparents"

L143: , it is thus likely... -> . It is thus likely... (break sentence in two)

L144: fava bean -> fava beans

L166: allows to measuring -> allows to measure

L272: summed up among -> summed up within

L297: in some female's brood -> in some broods

L325: lines may be confounded -> lines may be overlapping?

L363: one species needs to synchronize its life cycle -> species need to synchronize their life

cycle

L380: within each female's offspring -> across broods of individual females (?)

L381: in a lower extent -> to a lower extent

L382: the response of diapause inducing cues -> the response to diapause-inducing cues

L423: comma before which

L430: the importance of each cue at inducing diapause -> importance for diapause induction

(?)

L432: parasitoid's response -> the response of parasitoids

L481: glycerol, a cryoprotective compound (add comma)

- **All suggestions have been incorporated to the text, except for L380 where we think “within each female's offspring” is the correct sentence.**