Comment on egusphere-2022-240
Anonymous Referee #2

This manuscript describing and discussing the effects of thermal stress and acidification on larvae and juveniles of the Mediterranean coral *Astromides calycularis* is mature and well written.

I am very close to "accept as is" but I see two very minor points that could deserve some attention.

At l 36, you refer to Garrabou et al. about "temperate corals". My understanding is that a large part of the database from Garrabou et al. is likely gorgonoians (and actually Garrabou et al. refers to a Cnidaria category). I may be wrong, but if it is the case, I would recommend to clarify which "corals" are in this group as it can be easy to interpret "corals" as scleractinian corals. So a little clarification may be welcome.

Also, and it is not absolutely necessary, but I am missing a few words about how Mediterranean/temperate ecosystems are distinct from the tropical corals ecosystems. Without doubts, some of the mechanisms can be generalised to both tropical and temperate ecosystems, but in addition to these, I would be curious to know if some stresses (or future scenarios) are more affecting temperate or tropical ecosystems. I believe these ecosystems are very different, so I would expect some unique responses too. (maybe one or two sentences in the introduction and discussion could be an idea.

Finally, and this is rather a proofreading type of comment, at l. 81, please add a space in *A. calycularis*. 
It was a pleasure to review this manuscript at this mature stage and I look forward to see it published.