

Interactive comment on “Near-future levels of ocean acidification do not affect sperm motility and fertilization kinetics in the oyster *Crassostrea gigas*” by J. N. Havenhand and P. Schlegel

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The reviewer makes some very good points, which we accept. Responses to the specific issues are outlined below (the final manuscript has been modified accordingly).

1. The oysters were stored at ambient pH until the time of experiment. For each experiment, gametes were stored in separate, pH-controlled, containers.
2. Oysters were not held at "experimental" pH (see above).
3. Each "replicate" comprised one male and (for fertilization experiments) 3-5 females.

Specific comments:

C3307

1. the df of the t-tests are now included in the legend to Table 1
2. no comment
3. 16 males were tested. It's correct that we cannot assess the significance of the interaction term using this design, nor have we attempted to do so here.
4. there are no t-tests in Table 2 because there were no replicate fertilizations at any one sperm concentration. ANOVA was conducted on the 13 males for which we also had sperm motility data (rather than all 17 males) because this would allow direct comparison with the results presented in Table 1.

The language changes suggested by this reviewer have been adopted.

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