

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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1. The Introduction of the revised paper now outlines the explicit hypothesis tested in this paper: that near-future levels of ocean acidification (~0.3 pH unit decrease) will not affect the sperm motility or fertilization success of the Pacific oyster, *Crassostrea gigas*.

2. The reviewer raises an interesting question about the potential effects of acidification on sperm longevity. Unfortunately assessing the impacts of pH on sperm longevity requires a different - and labour-intensive - set of experimental designs (see eg Bolton & Havenhand 1996, *Biological Bulletin* vol 190), and therefore this was not done here.

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3. The grammar and syntax of the paper has been revised in line with this reviewer's comments.

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