APPENDIX

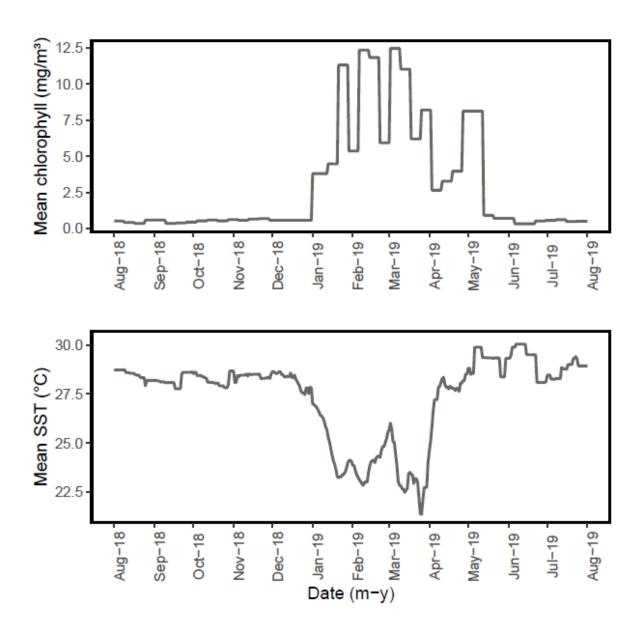


Fig. S1. Intra-annual variation of chlorophyll- α and sea-surface temperature (SST) in the Gulf of Panama (August 2018 – August 2019)

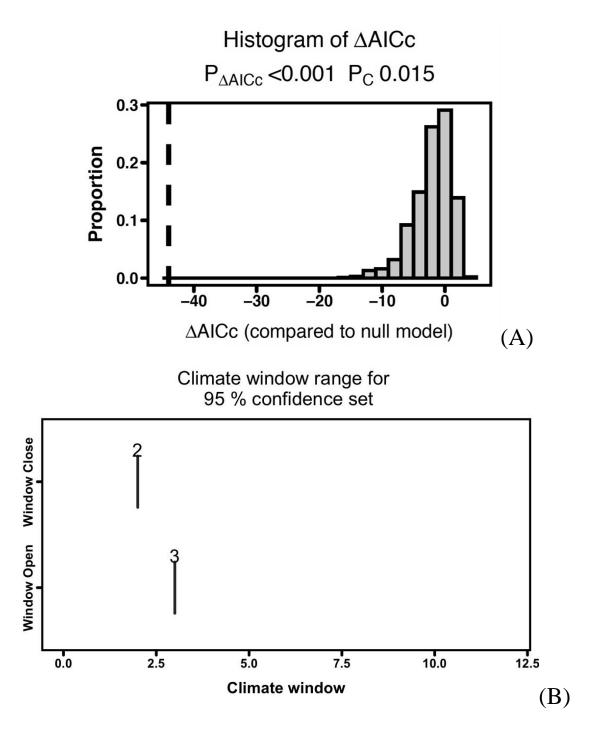


Fig. S2. Critical climate window analysis for the effects of climate on survival probability. Chlorophyll-α concentration is the only environmental variable with an effect on offspring survival (see Table 2 and Fig. 3 of main article). (A) Outcome of the simulations show that the AICc value of the best model (–40, dotted line) does not overlap with the randomized simulated results (histogram), which means that the candidate signal did not occur by chance for chlorophyll-α. (B) Plot averaging all the best supported models shows, with a 95% confidence interval, that the best climatic window for chlorophyll-α opens 3 weeks and closes 2 weeks prior to the offspring's death.