

The following supplement accompanies the article

Environmental drivers of salp *Thalia democratica* population dynamics from *in situ* observations

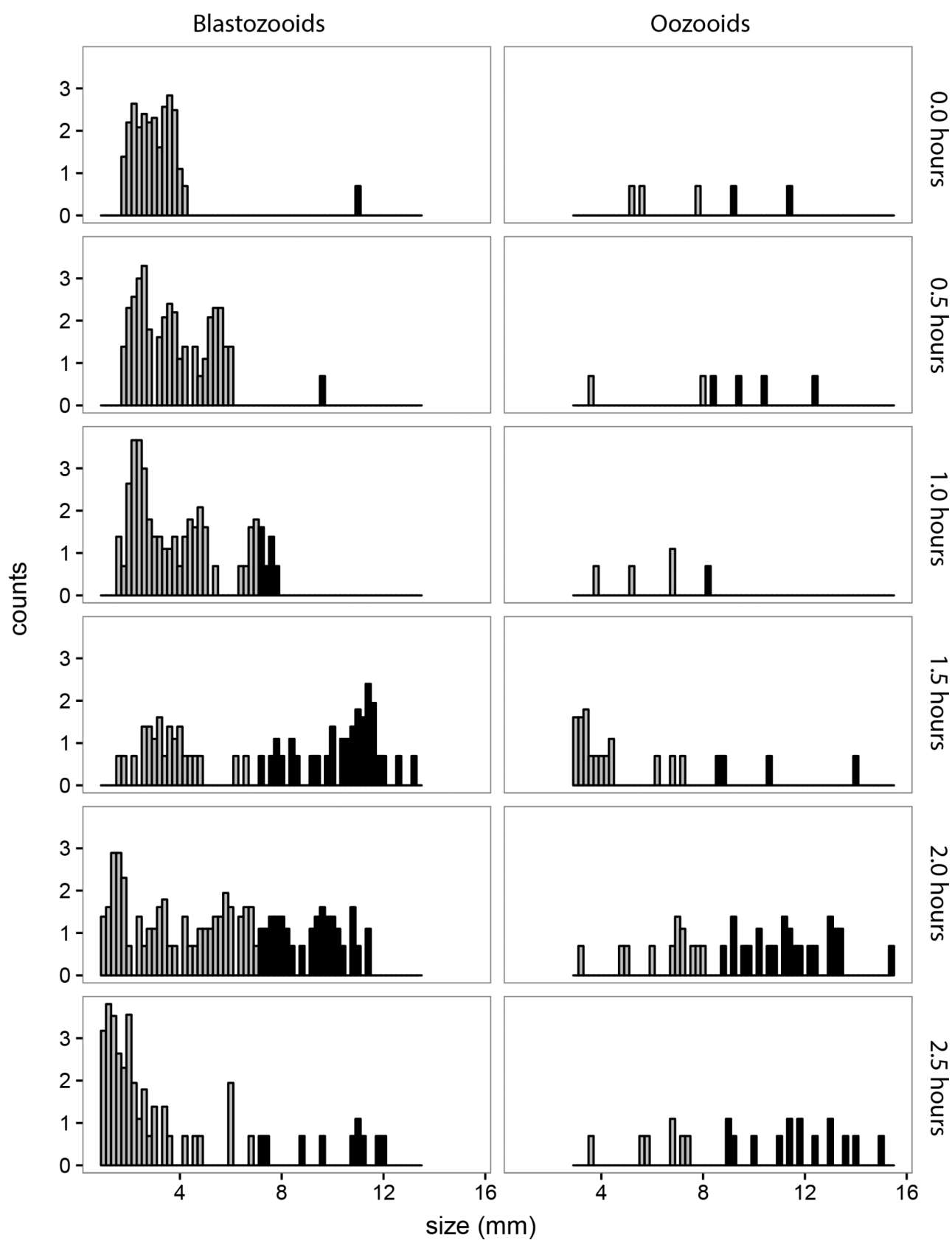
**Maria Pascual*, Michael G. Neubert, José Luis Acuña, Andrew R. Solow, Carlos Dominguez-Carrió,
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Marine Ecology Progress Series 561: 189–201 (2016)

Figure S1. Length frequencies of the 10 surveys (a, b, c, d, e, f, g, h, i, j) expressed as logarithm of the counts for blastozooids (left column) and oozoids (right column). Each row portraits a time series sample, half an hour apart from the previous one. Grey bars indicate young stages (females and juvenile oozoids) and black bars indicate mature stages (males and productive oozoids). Environmental conditions (temperature and chlorophyll *a* concentration), date and location are given for each survey. Note that surveys d and h were not used to fit the model since they have only five time transitions.

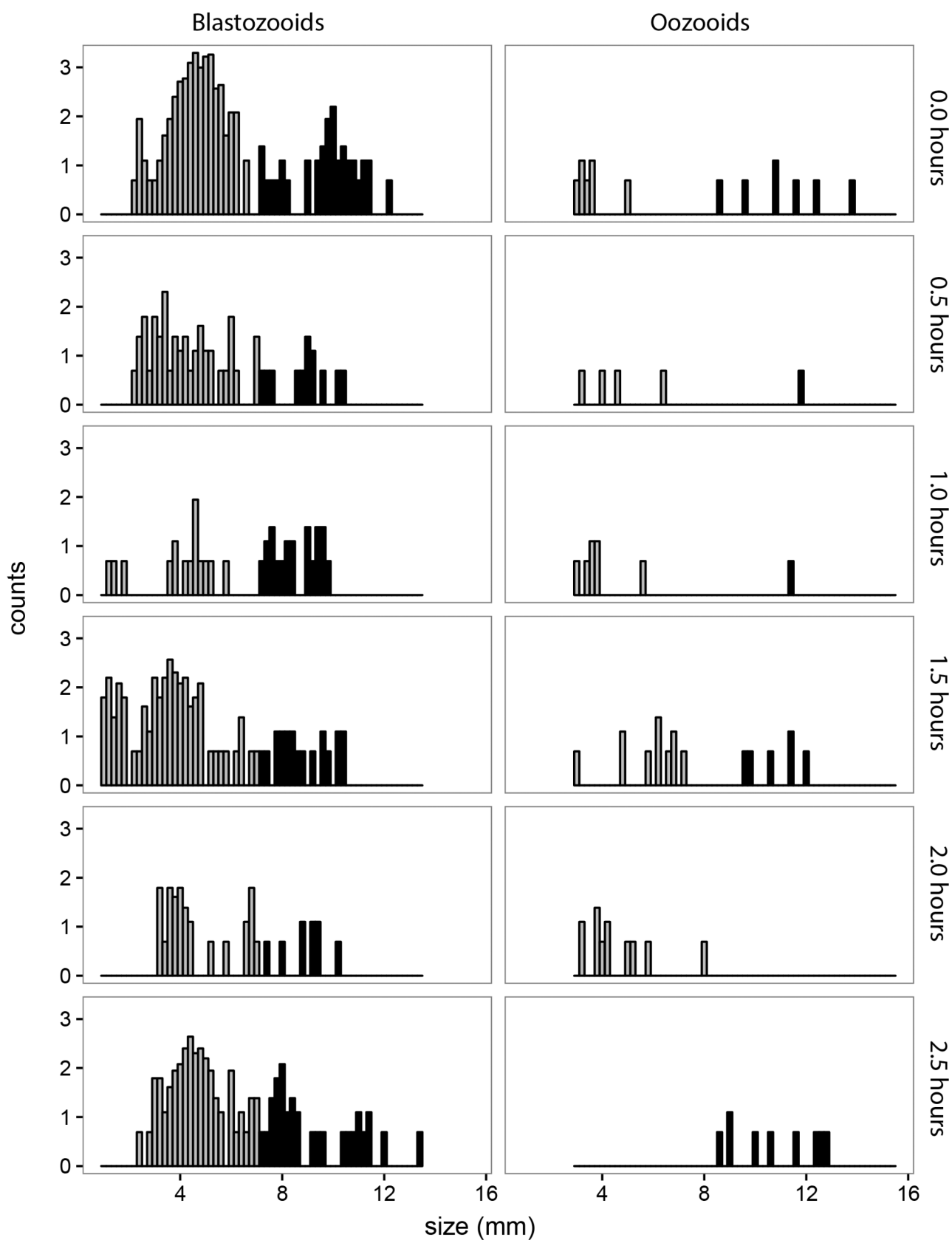
a **Survey date:** 06 / 06 / 2013 **Temperature:** 15.43 °C **Chlorophyll -a:** 0.124 mg m⁻³
Location: Cadaqués



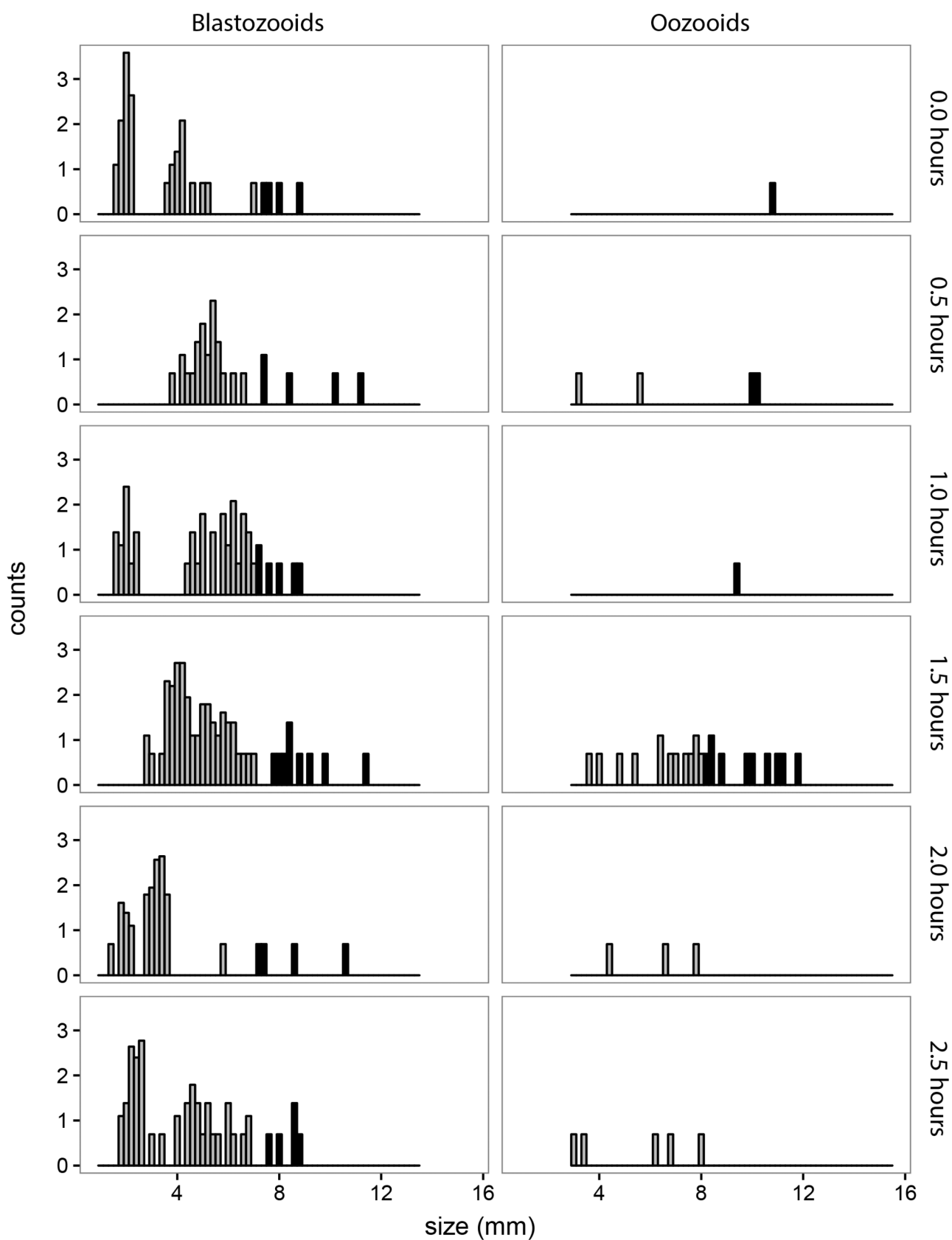
b

Survey day: 08 / 05 / 2014 Temperature: 15.64 °C Chlorophyll -a: 0.160 mg m⁻³

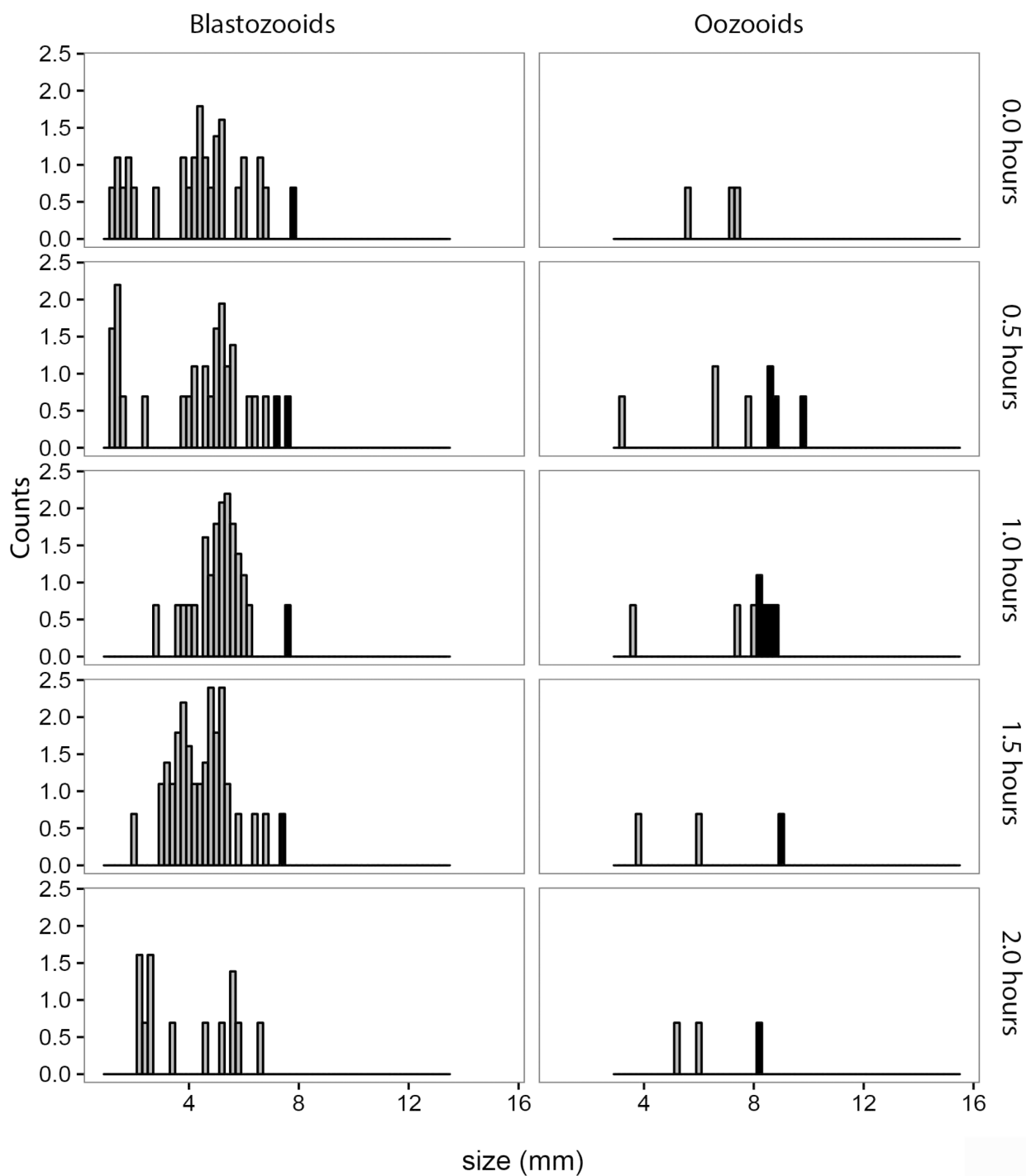
Location: Cadaqués



C **Survey day:** 19 / 05 / 2014 **Temperature:** 17.9 °C **Chlorophyll -a:** 0.139 mg m⁻³
Location: Barcelona



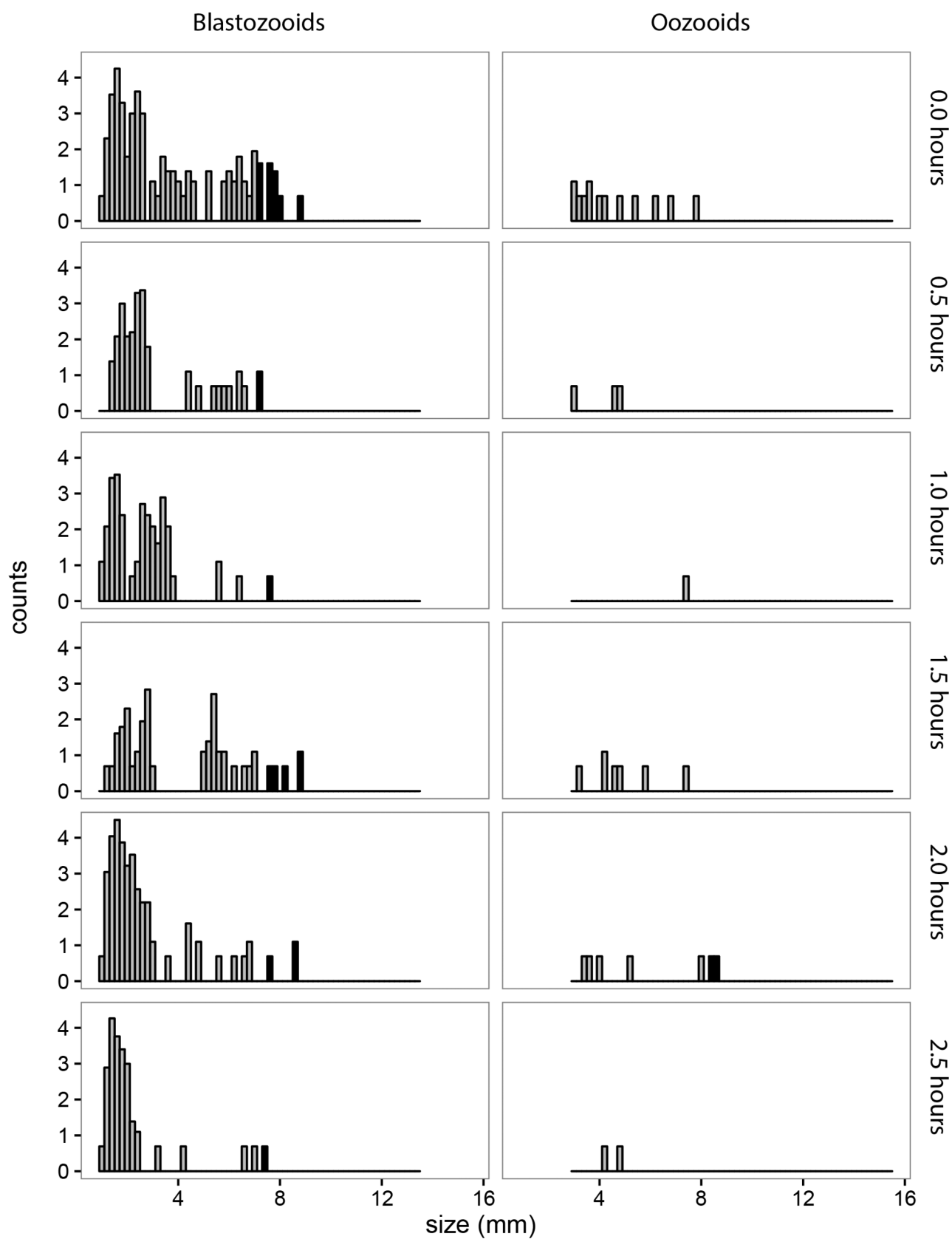
d **Survey day:** 27/05/2014 **Temperature:** 17.13 °C **Chlorophyll -a:** 0.258 mg m⁻³
Location: Barcelona



e

Survey day: 30 / 05 / 2014 Temperature: 17.24 °C Chlorophyll -a: 0.177 mg m⁻³

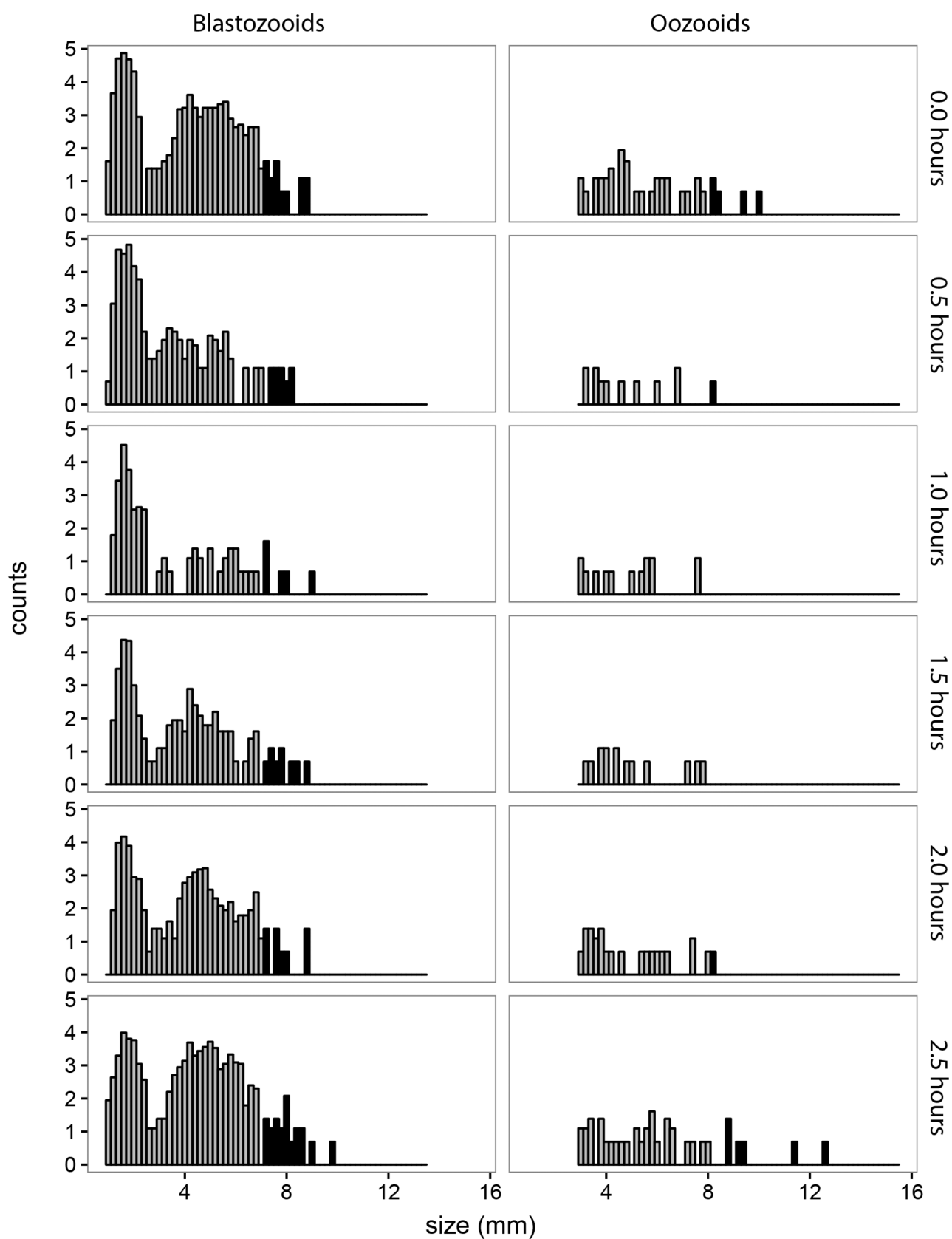
Location: Barcelona



f

Survey day: 11 / 06 / 2014 Temperature: 17.71 °C Chlorophyll -a: 0.073 mg m⁻³

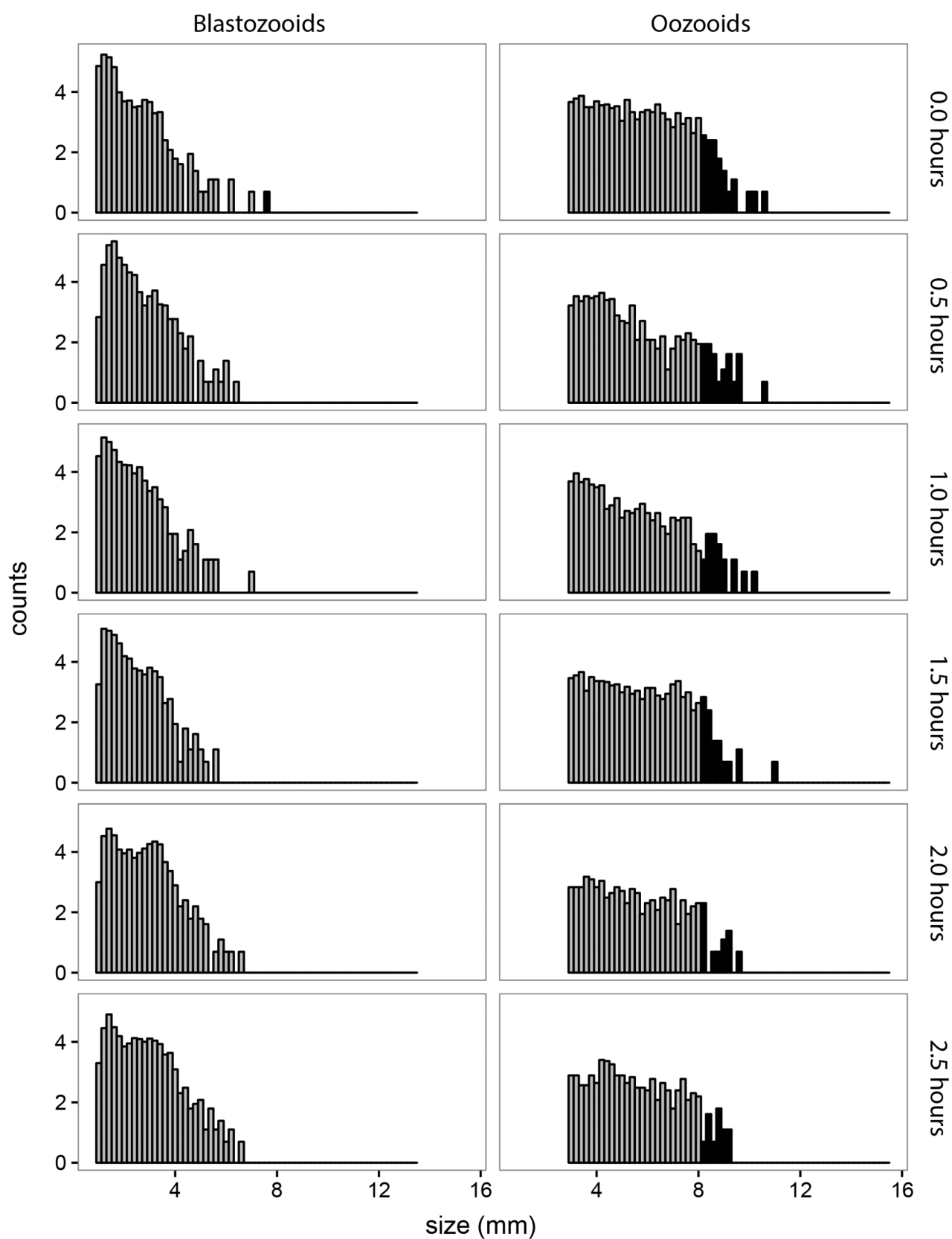
Location: Cadaqués



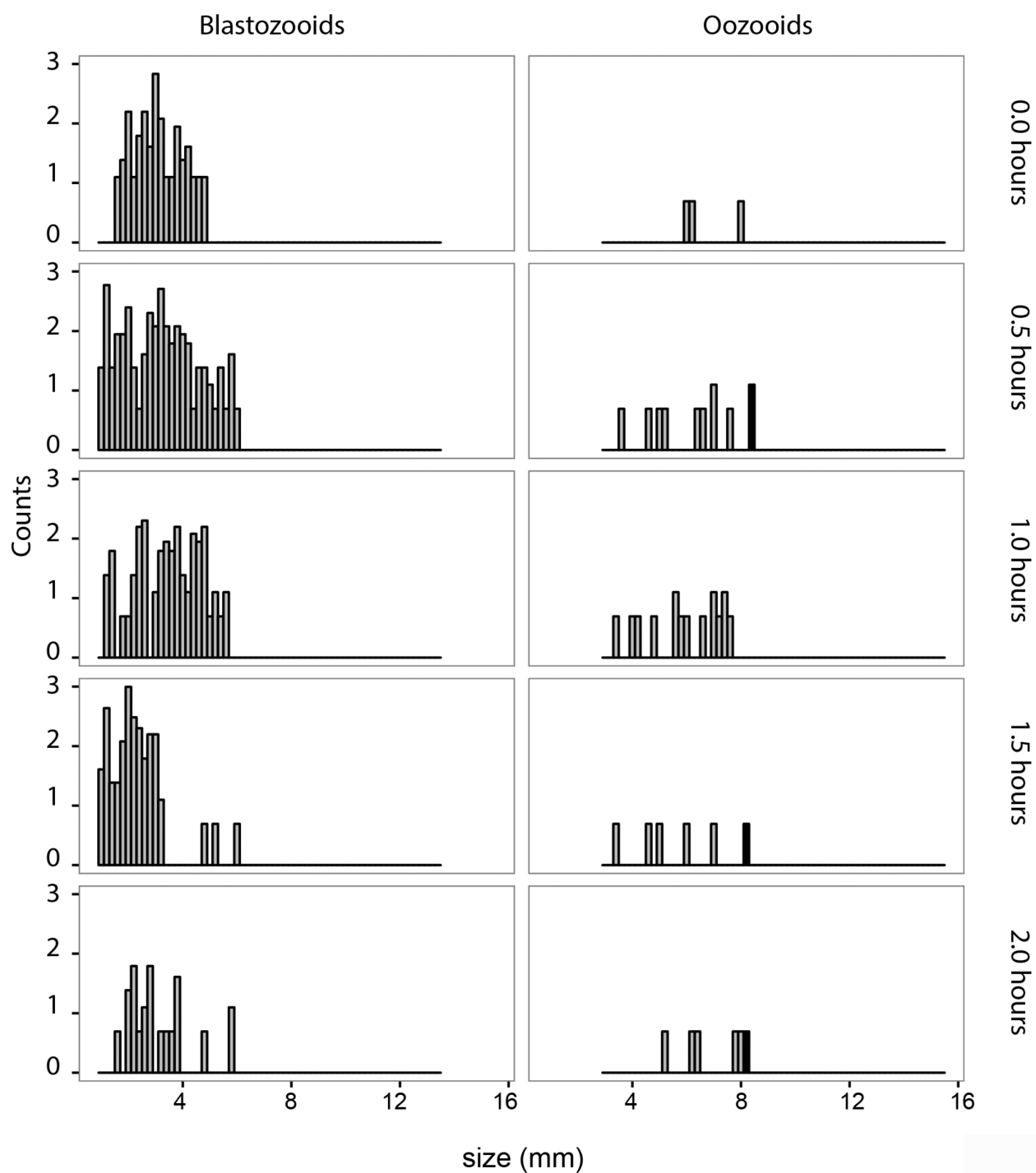
g

Survey day: 27 / 06 / 2014 Temperature: 20.69 °C Chlorophyll -a: 0.119 mg m⁻³

Location: Cadaqués



h Survey day: 16 / 10 / 2014 Temperature: 21°C Chlorophyll -a: 0.137 mg m⁻³
 Location: Cadaqués



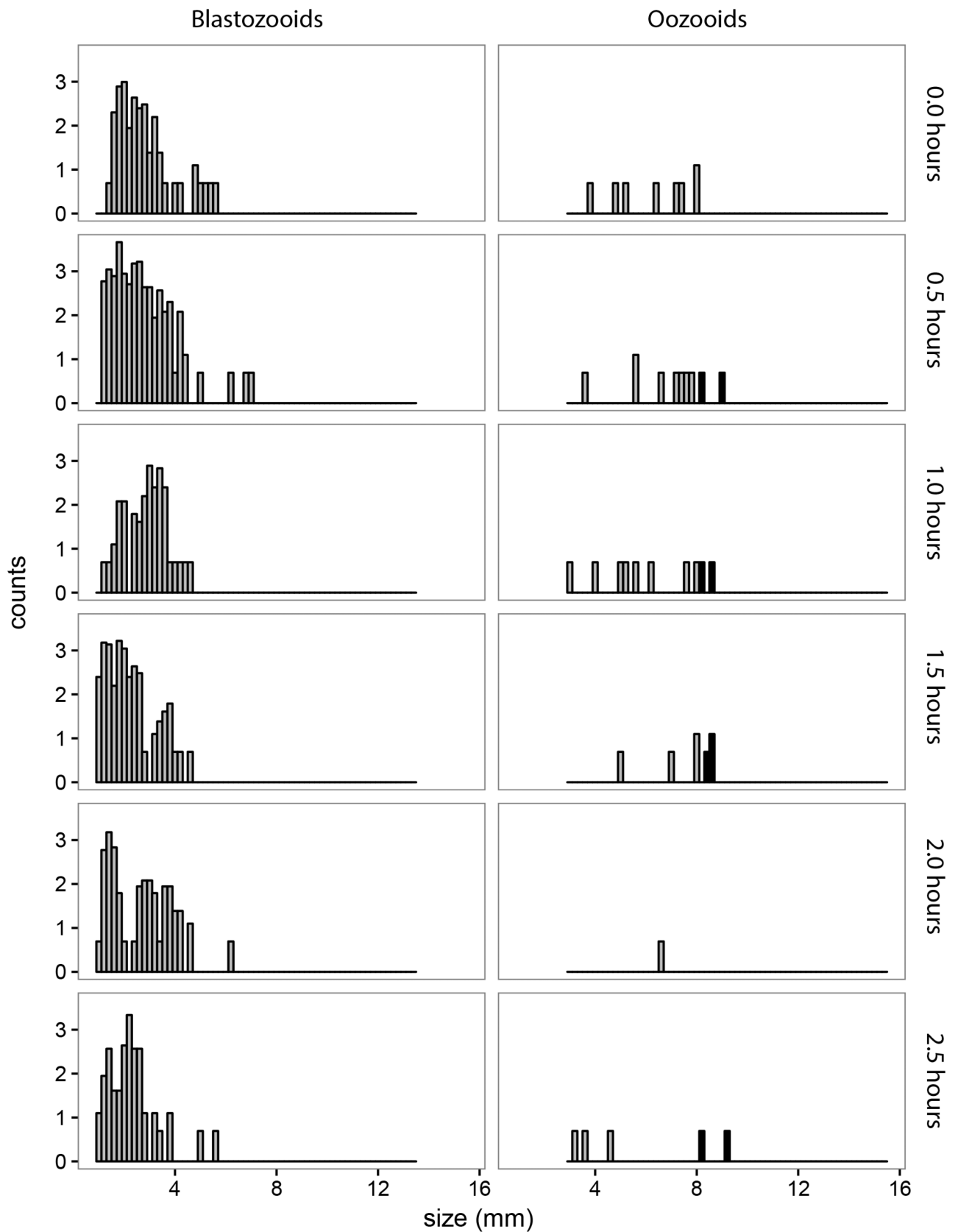
i

Survey day: 21/10 / 2014

Temperature: 21.32°C

Chlorophyll -a: 0.104 mg m⁻³

Location: Barcelona



Chlorophyll -a: 0.136 mg m⁻³

