

1 **Appendices**

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3 **Fine-scale temporal dynamics of herpes virus and vibrios in seawater during**
4 **polymicrobial infection in the Pacific oyster (*Crassostrea gigas*)**

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6 **Bruno Petton^{1*}, Julien de Lorgeril², Guillaume Mitta², Gaétan Daigle³, Fabrice**
7 **Pernet^{1,4, &}, Marianne Alunno-Bruscia^{1, &}**

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9 ¹ Ifremer, LEMAR UMR 6539 (Université de Bretagne Occidentale, CNRS, IRD, Ifremer), 11
10 presqu'île du Vivier, 29840 Argenton-en-Landunvez, France

11 ² IHPE Interaction Host Pathogen Environment, UMR 5244 (Ifremer, Université de
12 Perpignan Via Domitia, CNRS, Université de Montpellier), CC 80, 34095 Montpellier,
13 France

14 ³ Service de Consultation Statistique (SCS), Département de mathématiques et de
15 statistique, Pavillon Adrien-Pouliot, Université Laval, 1065 av. de la Médecine, Québec
16 (QC) G1V 0A6 Canada

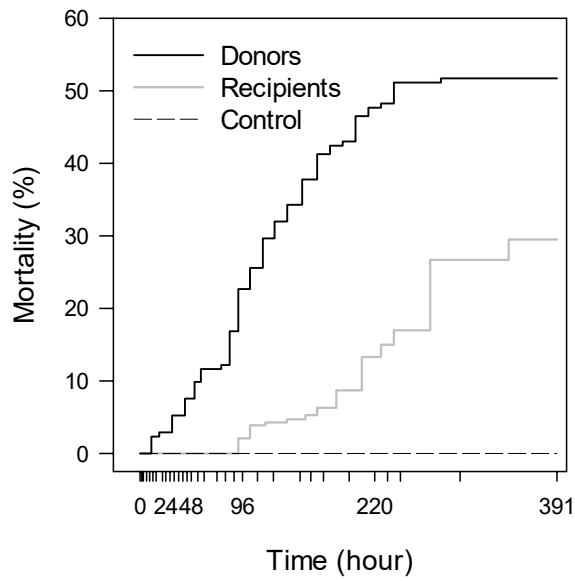
17 ⁴ Ifremer, Unité Fonctionnelle des Organismes Marins, ZI de la Pointe du Diable, CS10070,
18 29280 Plouzané, France

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20 & equal contribution

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22 Running title: Dynamics of infection in oysters

23 *Corresponding author: marianne.alunno.bruscia@ifremer.fr

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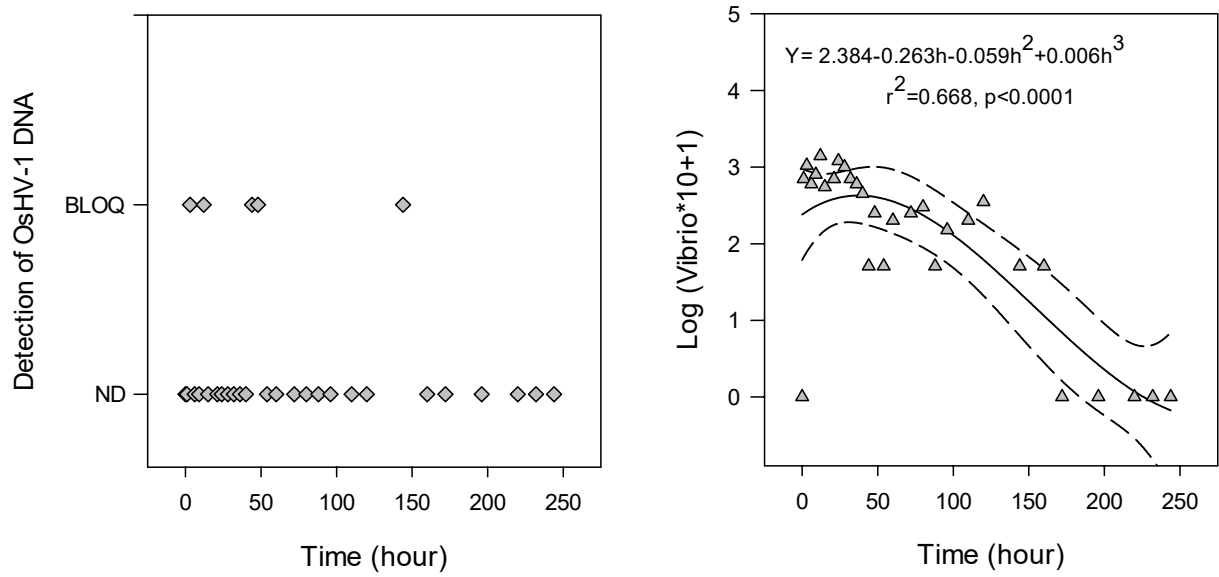


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26 **FIGURE A1.** Dynamics of mortality in donors and recipients in the pathogen-exposure
27 tank and in uninfected oysters (control). For each time between 1.5 and 220 h, recipient
28 mortality was measured in the oyster bag that was transferred to the safe tanks. As a
29 result, these mortality measures were independent of each other. After 220 hours, the
30 donors were removed and there were no more transfers. Between 220 h and 391 h,
31 recipient mortality was estimated on the oyster bag which remained in the pathogen-
32 exposure tank.

33 Control oysters showed no mortality (Figure A1) but trace level of OsHV-1 DNA and low
34 concentration of *Vibrio* spp. were occasionally detected in the surrounding seawater
35 (Figure A2). Although these control oysters may not have been SPF during the entire
36 duration of the experiment, absence of mortality suggest that they were healthy, and only
37 the pathogen donors and recipients were considered hereafter.

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40 **FIGURE A2.** Dynamics of OsHV-1 DNA detection and *Vibrio* spp. concentration in the
 41 seawater of the control tank as a function of time. Abbreviations: ND, not detected, BLOQ,
 42 detected but below the level of quantification ($< 10 \text{ cp } \mu\text{L}^{-1}$).

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