**Readme file accompanying the archived data for the publication**

Impact of the invasive parasitic copepod *Mytilicola orientalis* on native blue mussels *Mytilus edulis* in the western European Wadden Sea

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**Dataset:** Goedknegt et al., 2018 MBRJ clearance rates data.xls

**This data file includes the clearance rate data of individual mussels in the two experiments**

Column A) experiment: experiment number

Column B) block: the experiment was set-up in replicated blocks, this is the block number where the mussel was in

Column C) treatment: consisting of the levels A, B, C, D – A) infected – high food level, B) infected – low food level, C) uninfected – high food level, D) uninfected – low food level

Column D) food level: the food level that the mussels received during the course of the experiment

Column E) infection\_cat: whether the mussels were exposed to infective parasite larvae before the experiment

Column F) infsuccess: whether mussels that were exposed to infective parasite larvae also were successfully infected with the parasitic copepod

Column G) infected: infection with the parasitic copepod

Column H) intensity: number of parasitic copepods found in mussels

Column I) individual: ID of individual mussels

Column J) date: date of the measurement

Column K) days\_expo: days since exposure

Column L) week: week nr

Column M) dilution: the dilution of algal concentration used

Column N) baseline\_RFU: background fluorescence level before the algal measurements

Column O) t0\_RFU: fluorescence level directly after addition of the algae (t = 0)

Column P) t1\_RFU: fluorescence level 1 hour after addition of the algae (t = 1)

Column Q) t2\_RFU: fluorescence level 2 hours after addition of the algae (t = 2)

Column R) t0\_RFU\_cor: fluorescence level directly after addition of the algae (t = 0) corrected for the background fluorescence level

Column S) t1\_RFU\_cor: fluorescence level 1 hour after addition of the algae (t = 1) corrected for the background fluorescence level

Column T) t2\_RFU\_cor: fluorescence level 2 hours after addition of the algae (t = 2) corrected for the background fluorescence level

Column U) t0\_cells: number of algal cells directly after addition of the algae (t = 0; calculated by using calibration curve)

Column V) t1\_cells: number of algal cells 1 hour after addition of the algae (t =1; calculated by using the calibration curve)

Column W) t1\_cells: number of algal cells 2 hours after addition of the algae (t = 2; calculated by using the calibration curve)

Column X) Ln(t0\_cells): Ln transformed cell numbers at t = 0

Column Y) Ln(t1\_cells): Ln transformed cell numbers at t = 1

Column Z) Ln(t2\_cells): Ln transformed cell numbers at t = 2

Column AA) minutes at t = 0

Column AB) minutes at t = 1

Column AC) minutes at t = 2

Column AD) Slope: the slope of the regression line of the ln-transformed cell numbers as a function of time (in minutes)

Column AE) Clear\_rate: Clearance rate in mL min-1

Column AF) whether the mussel filtered during the measurement (yes = 1, no = 0)