

Title: Data presented in the paper: “Mussel seed is highly plastic to settling conditions: the influence of waves vs. tidal emergence”.

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Table 1, Figure 2A, 2B Shell shape.

Dataset including corporal parameters of mussel seed at arrival t=0 and after 134 days being subjected to different hydrodynamic regimes.

Treatment	Initial corporal parameters at t=0 (initial), and hydrodynamic treatment to which mussels were subjected: (CS) calm submerged conditions, (CT) calm tidal cycle conditions, (WS) wave-exposed submerged conditions.
Length	Maximum distance from the umbo to the opposite shell edge (mm)
Height	Maximum dorsal-ventral distance (mm)
Width	Maximum distance between the left and right closed shells (mm)
Elongation	Height: length-ratio
Inflation	Width: height-ratio
Obesity	Width: length-ratio
CI	Condition index (CI, mg cm^{-3}) calculated via AFDW/L^3

Figure 1A, 1B, 3 Attachment strength vs Condition and Shell thickness.

Dataset including byssal attachment strength, conditions index and shell thickness after 134 days being subjected to different hydrodynamic regimes.

Treatment	Hydrodynamic treatment to which mussels were subjected: (CS) calm submerged conditions, (CT) calm tidal cycle conditions, (WS) wave-exposed submerged conditions.
Mesocosm	Mesocosm ID
CI	Condition index (CI, mg cm^{-3}) calculated via AFDW/L^3
Attachment	Byssal attachment strength (Newton)
CINcorrect	Byssal attachment strength (Newton) divided by the condition index (mg cm^{-3})
Thickness	Shell thickness in the center of the adductor muscle scar of the right valve (mm)

Figure 4 Mortality

Treatment	Hydrodynamic treatment to which mussels were subjected: (CS) calm submerged conditions, (CT) calm tidal cycle conditions, (WS) wave-exposed submerged conditions.
Mortality	Percentage mussels died after 134 days (%).

Figure 5 Patch characteristics

Dataset including mussel patch characteristics after 134 in different mesocosms.

Treatment	Hydrodynamic treatment to which mussels were subjected: (CS) calm submerged conditions, (CT) calm tidal cycle conditions, (WS) wave-exposed submerged conditions.
PA	Average perimeter to area ratio of mussel patches per mesocosm (m/m^2).
wpd	Within patch density. Average number of mussels within patches per mesocosm.
nrp	Average Number of patches per mesocosm.

