

Supplementary material

Species- and site-specific circulating bacterial DNA in Subantarctic sentinel mussels *Aulacomya atra* and *Mytilus platensis*

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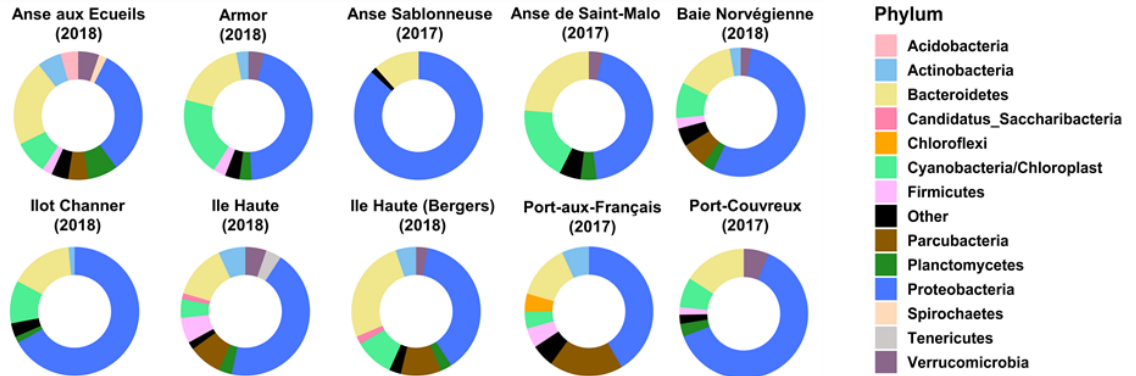
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Supp. Figure 1

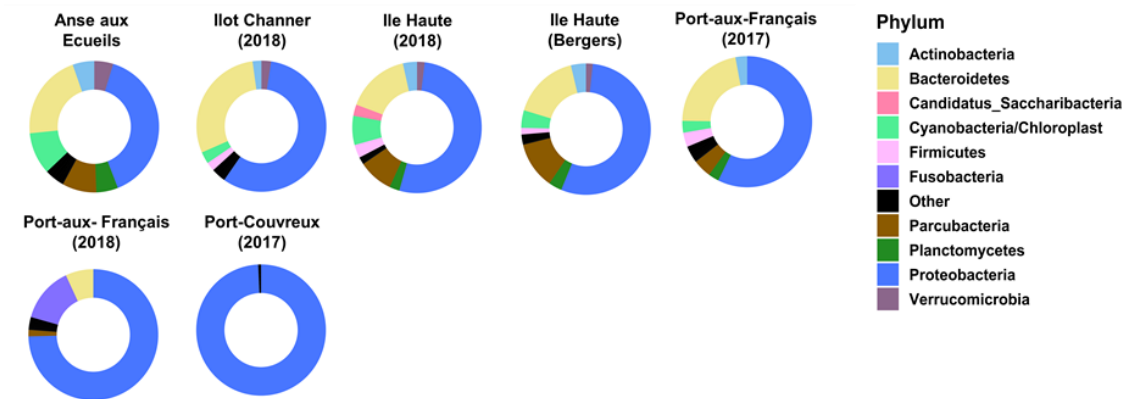
A.

Mytilus platensis (Intertidal)



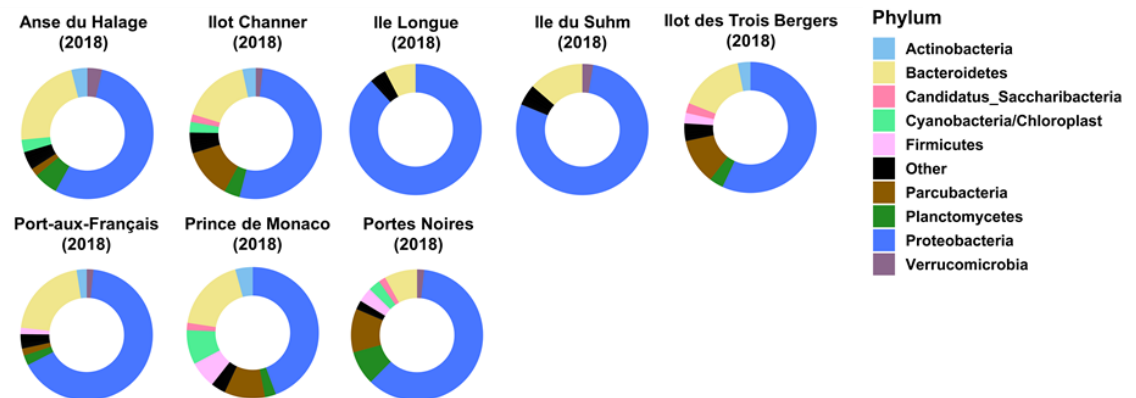
B.

Aulacomya atra (Intertidal)



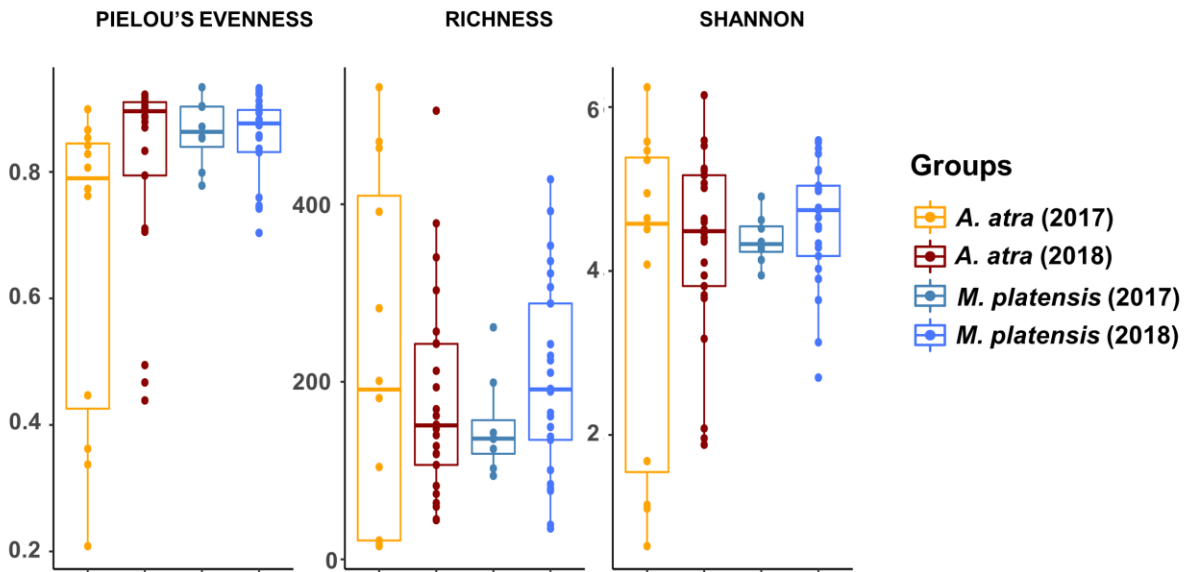
C.

Aulacomya atra (Subtidal)



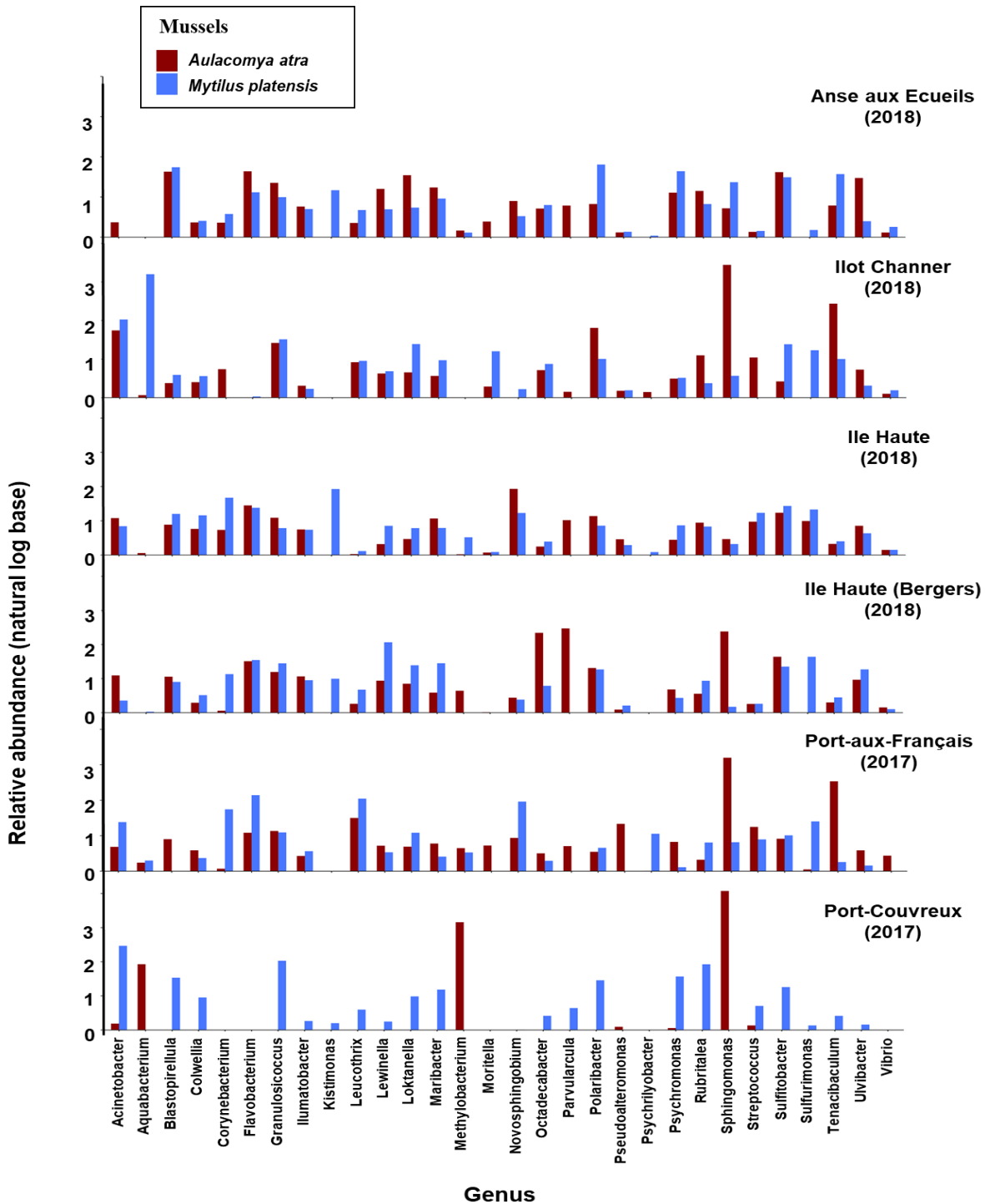
Supp. Figure S1: Pie charts summarizing the phylum-level microbiota composition of the hemolymph of *Mytilus platensis* and *Aulacomya atra* in intertidal sites (A-B) and (C) of *Aulacomya atra* in subtidal sites during 2017 and 2018. Phylum with a relative abundance of $\leq 1.5\%$ are represented as "Other".

Supp. Figure 2



Supp. Figure S2: Box plots of alpha diversity of *Aulacomya atra* and *Mytilus platensis* hemolymph microbiota in mixed mussel beds in 2017 and 2018. Species evenness, observed richness and Shannon diversity indexes were calculated for each groups. No significant differences ($p < 0.05$) were observed between groups.

Supp. Figure 3



Supp. Figure 3: Bar graphs showing the relative abundance (natural logarithm base) of the top 30 bacterial genera of circulating microbiota in mixed mussel beds. All samples were collected in 2017 and 2018. Red color represents *Aulacomya atra* and blue color represents *Mytilus platensis* specimens.