**Supplementary data 5**

Most significant biomarkers (LDA > 4) of a station within each crew found with LEfSe algorithm. Their relative abundance plotted consisted of the mean of the different replicates done for each sampling, with the standard deviation.

A. September 2014

**Macintosh HD:Users:Clarisse:Desktop:M2BiPAT publi:Figures publi:Sept14_biomarks.pdf**

B. March 2015

Macintosh HD:Users:Clarisse:Desktop:M2BiPAT publi:Figures publi:Mars2015_Biomarks.pdf

C. July 2015

Macintosh HD:Users:Clarisse:Desktop:M2BiPAT publi:Figures publi:July15_Biomarks.pdf

D. September 2015

**Macintosh HD:Users:Clarisse:Desktop:M2BiPAT publi:Figures publi:Sept15_Biomarks.pdf**