

**Supplementary Figure S1.** Distribution of *A. lacustris* (red points) and *A. taeniatus* (blue points) species in the bi-plot space by study regions. (AL) filamentous algae, (SW) raw sewage, (GR) grasses, (RV) riparian vegetation, (PE) periphyton.

 $\delta^{13}C$ 

-10

-20

-30