|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Diatom | Diatom Length | L\_d (μm) | σL\_d | Bacteria | Bacteria Length | L\_b (μm) | σL\_b |
| Asterionellopsis glacialis | 30 – 150 μm in length | 90 | 60 | Alteromonas macleodii | 1–2 µm long | 1.5 | 0.5 |
| Thalassiosira weissflogii | 4 – 32 µm in diameter | 18 | 14 | Marinobacter adhaerens | 1.7-2.4 µm in length | 2.05 | 0.35 |

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| --- | --- | --- | --- |
| Diatom | Interaction Source | Diatom Length Source | Bacterial Length Source |
| Asterionellopsis glacialis | *Residence time of a Brownian particle in a chemotactic patch next to an absorber Marco Polin* | [EOS - Phytoplankton Encyclopedia Project](https://phytoplankton.eoas.ubc.ca/research/phytoplankton/diatoms/pennate/asterionellopsis/a_glacialis.html) | [Microbe Profile: Alteromonas macleodii | Microbiology Society](https://www.microbiologyresearch.org/content/journal/micro/10.1099/mic.0.001236) |
| Thalassiosira weissflogii | [Chemotaxis of Marinobacter adhaerens and its impact on attachment to the diatom Thalassiosira weissflogii](https://pubmed.ncbi.nlm.nih.gov/22820333/) | [Species Profile - Thalassiosira weissflogii](https://nas.er.usgs.gov/queries/greatlakes/FactSheet.aspx?Species_ID=1693&Potential=N&Type) | [Marinobacter adhaerens HP15 | BacDive](https://bacdive.dsmz.de/strain/493) |