



**Figure S3. Scanning electron micrographs of the centric diatom *Thalassiosira weissflogii*.**  
**(A)** View of the valve exterior showing the network on loculate areola. Note the presence of central fultoportulae, and of rimoportulae. **(B)** Semicontinuous cribra are present on the valve face. The interior opening of rimoportulae and the fultoportulae is visible. The scale bar corresponds to 5  $\mu\text{m}$ .