|  |  |
| --- | --- |
| **Organelle types** | **The organelle size (nm)** |
| ***R. castenholzii*** | ***C. aggregans*** | **‘*Ca*. V. mediisalina’** |
| *Polyhydroxyalkanoate granules* | 242 ± 119 | 165 ± 54 | 190 ± 171 |
| *Polyphosphate granules* | 153 ± 66\* | 145 ± 66\* | 153 ± 69\* |
| *The third type granules* | 38 ± 4 | 81 ± 15 | 100 ± 24 |
| *Chlorosomes, width* | – | 34 ± 4 | 54 ± 10 |
|  *length* | – | 126 ± 12 | 119 ± 22 |
| *Gas vesicles, width* | – | – | 74 ± 3\* |
|  *length* | – | – | 317 ± 98\* |

Table S2. Size of the organelles as measured in the tomograms. Average ± standard deviation. (–) indicates that no structures were found in that strain. *N* ≥ 20, except for (\*), where *N* ≥ 10.