Research article

Sensitivity of *Deinococcus grandis* rodZ deletion mutant to calcium ions results in enhanced spheroplast size

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Table S1. Pairwise comparisons using Wilcoxon rank sum test with Bonferroni adjustment

|                  | WT 16.2 mM CaCl<sub>2</sub> | WT 50 mM CaCl<sub>2</sub> | WT 100 mM CaCl<sub>2</sub> | WT 200 mM CaCl<sub>2</sub> | WT 300 mM CaCl<sub>2</sub> | ΔrodZ 16.2 mM CaCl<sub>2</sub> | ΔrodZ 50 mM CaCl<sub>2</sub> | ΔrodZ 100 mM CaCl<sub>2</sub> | ΔrodZ 200 mM CaCl<sub>2</sub> | ΔrodZ 300 mM CaCl<sub>2</sub> |
|------------------|-------------------------------|---------------------------|----------------------------|----------------------------|----------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| WT 50 mM CaCl<sub>2</sub> | p < 0.05                      |                           |                           |                           |                           |                               |                           |                           |                           |                           |
| WT 100 mM CaCl<sub>2</sub> | p < 0.05                     | p < 0.05                  |                           |                           |                           |                               |                           |                           |                           |                           |
| WT 200 mM CaCl<sub>2</sub> | p < 0.05                     | p < 0.05                  | p > 0.05                  |                           |                           |                               |                           |                           |                           |                           |
| WT 300 mM CaCl<sub>2</sub> | p < 0.05                     | p < 0.05                  | p < 0.05                  | p > 0.05                  | p < 0.05                  |                               |                           |                           |                           |                           |
| ΔrodZ 16.2 mM CaCl<sub>2</sub> | p > 0.05                    | p < 0.05                  | p < 0.05                  | p < 0.05                  | p < 0.05                  | p > 0.05                      | p < 0.05                  |                           |                           |                           |
| ΔrodZ 50 mM CaCl<sub>2</sub> | p < 0.05                     | p < 0.05                  | p > 0.05                  | p > 0.05                  | p > 0.05                  | p < 0.05                      | p < 0.05                  | p < 0.05                  |                           |                           |
| ΔrodZ 100 mM CaCl<sub>2</sub> | p < 0.05                     | p < 0.05                  | p > 0.05                  | p > 0.05                  | p > 0.05                  | p < 0.05                      | p < 0.05                  | p < 0.05                  | p > 0.05                  |                           |
| ΔrodZ 200 mM CaCl<sub>2</sub> | p < 0.05                     | p < 0.05                  | p > 0.05                  | p > 0.05                  | p > 0.05                  | p < 0.05                      | p < 0.05                  | p < 0.05                  | p > 0.05                  | p > 0.05                  |
| ΔrodZ 300 mM CaCl<sub>2</sub> | p < 0.05                     | p < 0.05                  | p < 0.05                  | p < 0.05                  | p < 0.05                  | p < 0.05                      | p < 0.05                  | p < 0.05                  | p < 0.05                  | p < 0.05                  |
Table S2. Pairwise comparisons between cytoplasm sizes using Wilcoxon rank sum test with Bonferroni adjustment

|                | WT 100 mM CaCl₂ | WT 200 mM CaCl₂ | WT 300 mM CaCl₂ | ∆rodZ 50 mM CaCl₂ | ∆rodZ 100 mM CaCl₂ | ∆rodZ 200 mM CaCl₂ |
|----------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|
| WT 200 mM CaCl₂|                  |                  |                  |                   |                   |                   |
| WT 300 mM CaCl₂|                  |                  |                  |                   |                   |                   |
| ∆rodZ 50 mM CaCl₂|                 |                  |                  |                   |                   |                   |
| ∆rodZ 100 mM CaCl₂|                 |                  |                  |                   |                   |                   |
| ∆rodZ 200 mM CaCl₂|                 |                  |                  |                   |                   |                   |
| ∆rodZ 300 mM CaCl₂|                 |                  |                  |                   |                   |                   |

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