**Table S2** Genetic polymorphisms found between the wild-type H16 *R. eutropha* and ROS-tolerant BC4 strain. Two single nucleotide polymorphisms and two deletion events were observed. The large deletion from acrC1 may argue for a decrease in overall membrane permeability, possibly affecting superoxide entry to the cell.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Mutation** | **Position** | **Annotation** | **Gene** | **Description** |
| G → T | 611,894 | R133R | acrC1 | Cation/multidrug efflux system outer membrane protin |
| Δ45 bp | 611,905 | 344-388 of 1494 nt | acrC1 | Cation/multidrug efflux system outer membrane protin |
| G → A | 2,563,281 | intergenic, (-1/+210) | Hfq and H16\_A2360 | Uncharacterized host factor I protein/GTP-binding protein |
| Δ15 bp | 241,880 | 363-377 of 957 nt | H16\_B0214 | Transcriptional regulator, LysR-Family |