**Table S1.** Comparison of the effect of selected antibiotics on different Nannochloropsis species. Shown are the lethal doses in µg/mL determined by plating dilutions of cell suspensions on half salinity f/2 agar plates. ‘>’ indicates the highest concentration of the respective antibiotic tested and no detectable impact on cell growth observed. All of the Nannochloropsis strains listed here were found to be resistant to the following antibiotics with the respective concentrations in µg/mL given in parenthesis: Rifampicin (10), Benomyl (5), Nystatin (5), Spectinomycin (100), Ampicillin (200), Chloramphenicol (100).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | Strain | Zeocin | Paromomycin | Hygromycin B | Spectinomycin |
| *N. oceanica* | ccmp1779 | 5 | 5 | 25 | >100 |
|  | ccmp531 | 5 | 10 | 50 | >100 |
| *N. granulata* | ccmp529 | 5 | >200 | 100 | >100 |
| *N. salina* | ccmp369 | 5 | >200 | >100 | >100 |
| *N. gaditana* | ccmp1775 | 5 | >100 | 100 | >100 |
| *N. gaditana* | ccmp536 | 5 | >100 | >100 | >100 |