**Supplementary Table 1. Composition of the modified nutrient solutions.**

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| --- | --- | --- |
|  | **NO3--fortified solution** | **SO42--fortified solution** |
| **Macronutrient** | **Concentration (mM)** | **Concentration (mM)** |
| NO3- | 20 | 14.5 |
| NH4+ | 3.2 | 3.8 |
| PO43- | 3.4 | 3.1 |
| K+ | 11.2 | 11.6 |
| Mg2+ | 3.5 | 4.2 |
| Ca2+ | 4.9 | 5 |
| SO42- | 3.1 | 8 |