**Supporting Information**

Supplementary Table S4: Results of the T-test as a comparison of soil nutrient levels at the beginning and at the end of the experiment.

|  |  |
| --- | --- |
|  | **Test for independent variables** |
|  | Levene-Test  | T-Test  |
| F | Sig. | t | df | Sig. (2-sided) |
| Nitrite (%) | Homogeneity assumed | ,150 | ,699 | -,191 | 82 | ,849 |
|  | Homogeneity not assumed |  |  | -1,000 | 80,000 | ,320 |
| Nitrate (%) | Homogeneity assumed | 501,393 | ,000 | 48,994 | 82 | ,000 |
|  | Homogeneity not assumed |  |  | 7,842 | 2,000 | ,016 |
|  Potassium (µg/g) | Homogeneity assumed | 95,307 | ,000 | 40,649 | 82 | ,000 |
|  | Homogeneity not assumed |  |  | 7,371 | 2,001 | ,018 |
|  Phosphate (µg/g) | Homogeneity assumed | 444,885 | ,000 | 105,239 | 82 | ,000 |
|  | Homogeneity not assumed |  |  | 16,737 | 2,000 | ,004 |
| Total C (%) | Homogeneity assumed | ,415 | ,521 | ,301 | 82 | ,765 |
|  | Homogeneity not assumed |  |  | ,376 | 2,247 | ,739 |
| Total N (%) | Homogeneity assumed | ,419 | ,519 | -,799 | 82 | ,426 |
|  | Homogeneity not assumed |  |  | -,902 | 2,196 | ,455 |
| C/N | Homogeneity assumed | 3,890 | ,052 | 2,773 | 82 | ,007 |
|  | Homogeneity not assumed |  |  | 10,987 | 10,566 | ,000 |