|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Component**  | **Type**  | **Part**  | **Amount (%)**  | **SE**  | **F-test**  |
| SiO2  | *dr* mutant | leaf  | 1.79 ± 0.18  | 0.10  | \*\*\*  |
| Wild-type  | 4.33 ± 0.06  | 0.04  |
| *dr* mutant  | stem  | 1.63 ± 0.92  | 0.53  | ns  |
| Wild-type  | 2.67 ± 0.33  | 0.19  |
| *dr* mutant  | root  | 34.08 ± 0.03  | 0.02  | ns  |
| Wild-type  | 31.08 ± 5.09  | 2.91  |
| N  | *dr* mutant  | leaf  | 2.47 ± 0.21  | 0.15  | ns  |
| Wild-type  | 2.00 ± 0.26  | 0.15  |
| *dr* mutant | stem  | 1.87 ± 0.23  | 0.13  | \*\*  |
| Wild-type  | 0.94 ± 0.11  | 0.06  |
| *dr* mutant  | root  | 0.54 ± 0.03  | 0.02  | \*  |
| Wild-type  | 0.66 ± 0.03  | 0.02  |
| P  | *dr* mutant | leaf  | 0.24 ± 0.02  | 0.01  | ns  |
| Wild-type | 0.26 ± 0.01  | 0.01  |
| *dr* mutant | stem  | 0.39 ± 0.01  | 0.01  | \*\*  |
| Wild-type | 0.36 ± 0.02  | 0.01  |
| *dr* mutant | root  | 0.06 ± 0.01  | 0.01  | \*\*  |
| Wild-type | 0.08 ± 0.01  | 0.01  |
| K  | *dr* mutant | leaf  | 2.15 ± 0.09  | 0.05  | ns  |
| Wild-type  | 2.14 ± 0.06  | 0.04  |
| *dr* mutant  | stem  | 3.06 ± 0.10  | 0.05  | \*  |
| Wild-type  | 2.58 ± 0.12  | 0.07  |
| *dr* mutant | root  | 0.18 ± 0.02  | 0.01  | \*  |
| Wild-type | 0.61 ± 0.14  | 0.08  |

S2 Table. Abundance of SiO2 and other nutrients in leaf, stem, and root tissues of the wild-type and *dr* mutant.