**Supplementary Table**

**Table S1** Basic characteristics of DRGS and soil before experiment

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| --- | --- | --- |
| Parameters | Soil | Garlic stalk |
| Soil Type | Brown -loamy-alkaline-Orthic Anthrosol |  |
| pH | 7.64 ± 0.50 | 7.45 ± 0.60 |
| EC (µS • cm−1) | 383 ± 6.00 | 620 ± 10.50 |
| Organic Carbon (g.kg-1) | 15.13 ± 0.90 | 370.08 ± 8.50 |
| Total Nitrogen (g.kg-1) | 1.14 ± 0.06 | 8.07 ± 0.50 |
| C:N | 13.42 ± 0.80 | 45.85 ± 5.50 |
| Organic Matter (g.kg-1) | 12.97 ± 0.50 | 639.25 ± 12.50 |
| Total Phosphorus (g.kg-1) | 0.91 ± 0.030 | 12.87 ± 1.50 |
| Total Potassium (g.kg-1) | 6.87 ± 0.50 | 10.19 ± 0.05 |
| Available N (mg.kg-1) | 60.3 ± 3.50 | - |
| Available P (mg.kg-1) | 55.01 ± 5.10 | - |
| Available K (mg.kg-1) | 189 ± 4.80 | - |
| Soil Planting History | Eggplant continuously planted for five years |  |
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