**Table S1： Taste values of sweetpotato leaves in eight cultivars under different growing patterns**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cultivars | Fucaishu18 | Fushu7-6 | Tainong71 | Baisheng | Fushu24 | Guangshu87 | Jinshan57 | Fushu604 |
| Soil cultures (S) | 6.00 | 5.50 ± 1.08 | 5.00 ± 0.94 | 1.00 ± 0.67 | 1.50 ± 0.85 | 1.00 ± 0.67 | 1.50 ± 0.97 | 4.50 ± 1.27 |
| Hydroponics (H) | 8.00 ± 0.82 | 7.50 ± 0.71 | 8.00 ± 1.25 | 7.00 ± 1.05 | 4.50 ± 1.90 | 4.00 ± 0.82 | 5.00 ± 1.41 | 7.00 ± 0.94 |
| Differences | 2.00 | 2.00 | 3.00 | 6.00 | 3.00 | 3.00 | 3.50 | 2.50 |

Fucaishu18, Fushu7-6, and Tainong71 are leafy sweetpotatoes for leaf vegetables, while other cultivars are common sweetpotatoes for tuber production.

The leaves of Fuchaishu18 growth in soil were used as the standard, defining its evaluation score as 6.