Table 3 Nitrogenase activity and nitrogen content of cassava after inoculation with A02 and no nitrogen application in a field experiment

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| Treatment | Nitrogenase activity(nmol mL-1 h-1)  | Nitrogen content(mg g-1) |
| Leaves | Stems | Roots | Leaves | Stems | Roots |
| A02 | 97.97 ± 19.01a | 46.17 ± 3.88a | 58.3 ± 3.98a | 47.01 ± 0.82a | 14.84 ± 0.32a | 13.48 ± 0.72a |
| -N | 58.79 ± 3.63b | 46.97 ± 5.11a | 48.37 ± 3.17b | 36.90 ± 0.81b | 13.83 ± 0.39a | 12.28 ± 0.60a |

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|  |  | Nitrogenase activity (nmol mL-1 h-1) |
| 1 |  2 |  3 | 4 | Average | S.E. |
| Leaf | A02 | 110.50  | 117.58  | 78.28  | 85.53  | 97.97  | 9.50  |
| -N | 60.56  | 54.89  | 62.93  | 56.78  | 58.79  | 1.81  |
| Stem | A02 | 44.69  | 50.88  | 47.36  | 41.76  | 46.17  | 1.94  |
| -N | 40.30  | 46.47  | 48.55  | 52.56  | 46.97  | 2.56  |
| Root | A02 | 54.16  | 63.11  | 56.20  | 60.02  | 58.37  | 1.99  |
| -N | 45.45  | 46.85  | 52.77  | 48.40  | 48.37  | 1.59  |

\* Each treatment with four replications, n=4.

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|  |  | Nitrogen content (mg g-1) |
| 1 |  2 |  3 | 4 | Average | S.E. |
| Leaf | A02 | 48.70  | 48.07  | 45.32  | 45.94  | 47.01  | 0.82  |
| -N | 34.95  | 37.63  | 36.35  | 38.69  | 36.90  | 0.81  |
| Stem | A02 | 14.68  | 14.58  | 14.59  | 15.50  | 13.83  | 0.32  |
| -N | 14.99  | 13.32  | 13.51  | 13.50  | 13.83  | 0.39  |
| Root | A02 | 15.76  | 13.68  | 11.78  | 12.71  | 13.48  | 0.72  |
| -N | 14.08  | 12.39  | 11.59  | 11.08  | 12.28  | 0.60  |

\* Each treatment with four replications,n=4.