Supplemental table 1 Broad-sense heritability (*hb*2) values of root development traits on different forms and concentrations of nitrogen in 257 rice accessions from Bangladesh.

|  |  |
| --- | --- |
| Trait | Nitrogen application |
|  | 5 μM NH4Cl | 500 μM NH4Cl | 5 μM KNO3 | 500 μM KNO3 |
| TRL | 0.968 | 0.970 | 0.964 | 0.968 |
| MRL | 0.986 | 0.985 | 0.988 | 0.986 |
| RN | 0.927 | 0.916 | 0.858 | 0.911 |

Three root development traits were investigated in 8-day-old seedlings that had been grown hydroponically: total root length (TRL), maximum root length (MRL) and root number (RN) with three spatial replications.

The broad-sense heritability (*hb*2) of each trait was estimated using one-way analysis of variance (ANOVA) with the following formula, *hb*2 = σ2g/ {(σ2e/r) + σ2g}, where σ2g is the genetic variance, σ2e is the environmental variance, and r is the number of replications (Kobayashi and Koyama 2002).