The statistical description of observed values of fruit yield and nitrogen content in seeds, fruits, leaves, and roots presents according to the methodology described in Methods. The final data represents in Table S2.

**Table S2:**

**The statistical description of observed values of fruit yield (kg per plant) and nitrogen content in plant organs (%).**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Observed N | NO. | Minimum | Maximum | Mean | S.D | C.V |
| Seed | 144 | 1.44 | 2.94 | 2.151 | 0.407 | 0.1893 |
| Fruit | 144 | 0.79 | 1.99 | 1.233 | 0.278 | 0.2258 |
| Leaf | 144 | 2.17 | 5.48 | 3.182 | 0.799 | 0.2512 |
| Root | 144 | 0.71 | 1.88 | 1.043 | 0.315 | 0.3023 |
| Fruit yield | 144 | 1.64 | 6.80 | 3.495 | 1.422 | 0.4068 |