The statistical description of observed values of fruit yield and potassium content in seeds, fruits, leaves, and roots presents according to the methodology described in Methods. The final data represents in Table S8.

**Table S8:**

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Observed K | N | Minimum | Maximum | Mean | S.D | C.V |
| Seed | 144 | 9.62 | 22.93 | 14.345 | 2.686 | 0.1872 |
| Fruit | 144 | 12.23 | 22.84 | 16.831 | 2.540 | 0.1509 |
| Leaf | 144 | 5.75 | 13.80 | 9.099 | 1.833 | 0.2014 |
| Root | 144 | 5.42 | 19.02 | 11.916 | 3.182 | 0.2670 |
| Fruit yield | 144 | 1.64 | 6.80 | 3.495 | 1.422 | 0.4068 |