**Table S3: Proportion of allele frequency distribution in cassava germplasm available within seven national breeding programmes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Proportion (%) of Allele Frequency Distribution** | | | | | | | | | | | | | | |
|  | **Tanzania** | | **Uganda** | | **Kenya** | | **Rwanda** | | **DRC** | | **Madagascar** | | **Mozambique** | | |
| **Allele frequency** | Cult | Land | Cult | Land | Cult | Land | Cult | Land | Cult | Land | Cult | Land | Cult | Land |
| <0.05 | 16.3 | 35.2 | 23.2 | 31.2 | 26.8 | 24.5 | 26.2 | 19.6 | 28.0 | 27.5 | 21.2 | 27.2 | 0.0 | 25.6 |
| 0.05 – 0.09 | 18.2 | 7.0 | 22.4 | 6.4 | 11.9 | 8.7 | 9.0 | 15.3 | 17.8 | 17.3 | 8.8 | 7.4 | 26.5 | 15.7 |
| 0.10 – 0.20 | 14.4 | 21.1 | 17.6 | 26.8 | 23.8 | 18.4 | 23.7 | 24.7 | 19.8 | 21.7 | 24.7 | 23.9 | 24.4 | 20.6 |
| 0.21 – 0.30 | 18.2 | 14.7 | 12.8 | 9.7 | 17.9 | 15.7 | 14.7 | 12.8 | 14.3 | 10.8 | 17.6 | 10.7 | 15.9 | 11.5 |
| 0.31 – 0.40 | 11.5 | 5.6 | 8.8 | 6.5 | 5.9 | 9.6 | 5.7 | 5.9 | 6.8 | 7.2 | 8.8 | 11.5 | 6.3 | 9.0 |
| 0.41 – 0.50 | 5.7 | 7.0 | 2.4 | 2.4 | 2.9 | 9.6 | 2.4 | 8.5 | 2.7 | 5.0 | 5.3 | 4.9 | 10.6 | 5.7 |
| 0.51 – 0.60 | 2.8 | 3.5 | 4.0 | 4.8 | 2.2 | 4.3 | 3.2 | 4.2 | 4.1 | 5.0 | 5.3 | 2.4 | 2.1 | 3.3 |
| 0.61 – 0.70 | 6.7 | 1.4 | 4.0 | 5.6 | 3.7 | 1.7 | 4.9 | 3.4 | 3.4 | 3.6 | 5.3 | 5.7 | 4.2 | 2.4 |
| 0.71 – 0.80 | 1.9 | 1.4 | 0.8 | 1.6 | 2.2 | 2.6 | 3.2 | 1.7 | 0.6 | 0.7 | 2.6 | 2.4 | 5.3 | 3.3 |
| 0.81 – 0.90 | 1.9 | 0.7 | 3.2 | 2.4 | 1.4 | 0.0 | 2.4 | 1.7 | 0.6 | 0.0 | 0.0 | 0.8 | 4.2 | 2.4 |
| 0.91 – 1.00 | 0.9 | 0.7 | 0.0 | 0.8 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number of rare alleles\* | 17 | 50 | 29 | 39 | 36 | 28 | 32 | 23 | 41 | 38 | 24 | 33 | 0 | 31 |

Cult. = cultivar; land.= landrace, \* Rare alleles defined as those with frequency less than 5%.