**Table S1. Number of SNP and their distribution per chromosome and position on cassava genome V5.0.**

|  |  |  |
| --- | --- | --- |
| **Chromosome.** | **№. of SNPs** | **Position range**  |
| 1 | 759 | 149352-20374379 |
| 2 | 1,335 | 76-19845601 |
| 3 | 772 | 1077625-17481260 |
| 4 | 898 | 71647-17398735 |
| 5 | 794 | 91543-19761206 |
| 6 | 1,060 | 29814-19227608 |
| 7 | 1,070 | 20840-24022314 |
| 8 | 1,071 | 57151-21586336 |
| 9 | 781 | 100413-25111505 |
| 10 | 979 | 23203-23450698 |
| 11 | 1,021 | 25792-21709615 |
| 12 | 920 | 112108-20662796 |
| 13 | 877 | 76-20892663 |
| 14 | 1,315 | 205-23387655 |
| 15 | 803 | 13280-21968792 |
| 16 | 1,253 | 511-19155653 |
| 17 | 927 | 216620-16276634 |
| 18 | 734 | 146624-17276135 |
|  **Total**  | **17,369** |  |



**Fig S1. Principal component analysis (PCA) plot showing clustering of 52 cassava landraces using morphological descriptors.**



**Fig.S2. Principle component analysis (PCA) analysis plot showing differentiation among 52 cassava landraces using SNPs markers**