

**AFRICAN (MOZAMBIQUE) STR DATA USING THE AMPF/STR PROFILER™ PLUS AND
GENEPRINT® CTTV KITS**

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Allele frequencies for twelve STRs included in the Ampf/STR Profiler™ Plus kit (D3S1358, VWA, FGA, D8S1179, D21S11, D5S818, D13S317 and D7S820) and *GenePrint*® CTTv kit (VWA, TH01, TPO and CSFIPO), were estimated from a sample of 110 unrelated individuals from Mozambique. No deviations from Hardy-Weinberg equilibrium were observed. These systems combined provide powerful discrimination with a matching probability of 1 in 3.8×10^{13} and an overall power of exclusion of 0.999968.

Our results were compared with African-American databases obtained from the manufacturers (PE's Ampf/STR Profiler™ Plus User's Manual, 1997, and Promega's *GenePrint*® Fluorescent STR Systems Technical Manual, 1999.) For the majority of the STRs there were no significant differences observed between our population and African-Americans, except for D21S11, TH01, and TPO. For most systems and especially these three, our population is less diverse than the African-American, which is not surprising, considering the geographical restriction of our sample when compared with the African-American one. Also, our sample does not show a combined matching probability or a combined power of exclusion indexes as high as the ones obtained for the African-American sample using both kits (matching probability: 1 in 1.17×10^{14} ; power of exclusion: 0.9999989).

We also report a new allele (11.2) in the D18S51 STR locus.