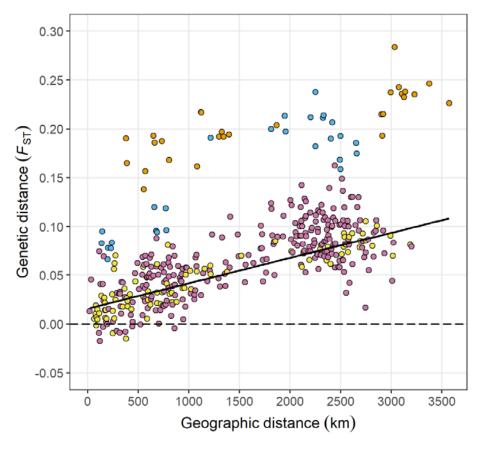
Figure S1: Increase of pairwise *F*_{ST} with geographic distance

Regressing pairwise multilocus F_{ST} , estimated with FSTAT 2.9.3 [1], against geographic distance explains 65% of the variation among populations in East and southern Africa ($N_{\mu sats} = 5-17$, $N_{pop.} = 27$; purple and yellow datapoints combined), excluding Nairobi NP and HiP (blue and orange datapoints, respectively) and weighted by 'square root of number of genotyped individuals per population pair X number of shared genotyped loci per population pair'. The amount of variation explained increases to 78% when selecting the upper quartile with respect to sample weight (i.e., selecting the most accurate measurements; yellow datapoints). Pairs including HiP or Nairobi NP show relatively high F_{ST} values. These are probably due to a historical bottleneck in case of HiP, and a small population size and limited connectivity with other populations in case of Nairobi NP (HiP: ≤ 75 individuals between 1895 and 1930, Nairobi NP: current census size ~150 and genetic discontinuities in a Barrier analysis) [2, 3].



Pop_pairs • incl_HiP • incl_NairobiNP • weight<78.5 • weight>78.5

Figure S1: Increase of pairwise F_{ST} with geographic distance (isolation by distance)

Yellow datapoints: $R^2 = 0.78$, purple datapoints: weight: $R^2 = 0.54$. F_{ST} values were based on unpooled samples. Populations with ≤ 3 individuals genotyped, admixed populations or with only two microsatellites analysed were excluded (Benoué NP, Lopé NP, Nyakasanga, Mangua, Caprivi Strip, Save Valley Conservancy).

References

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