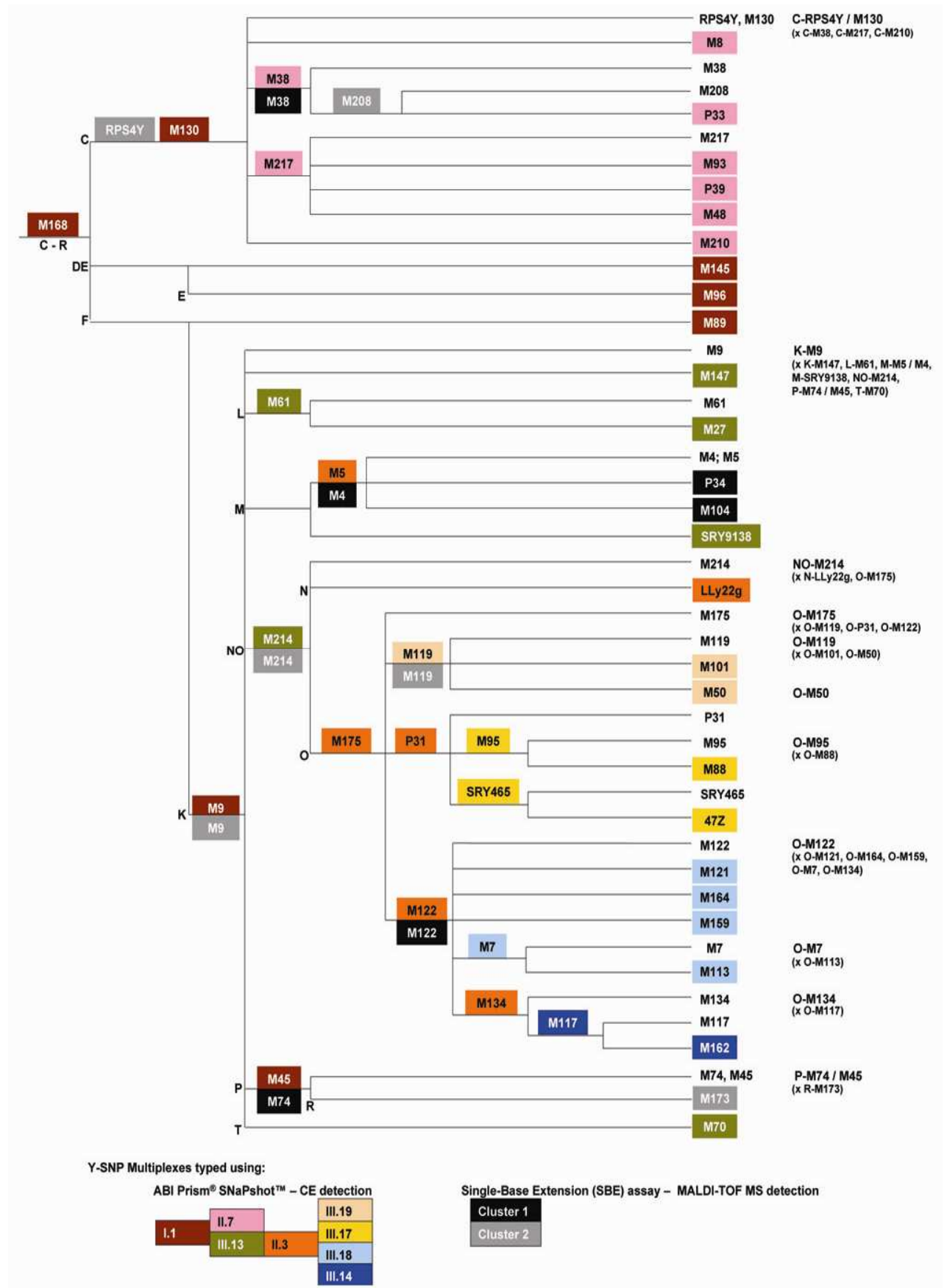
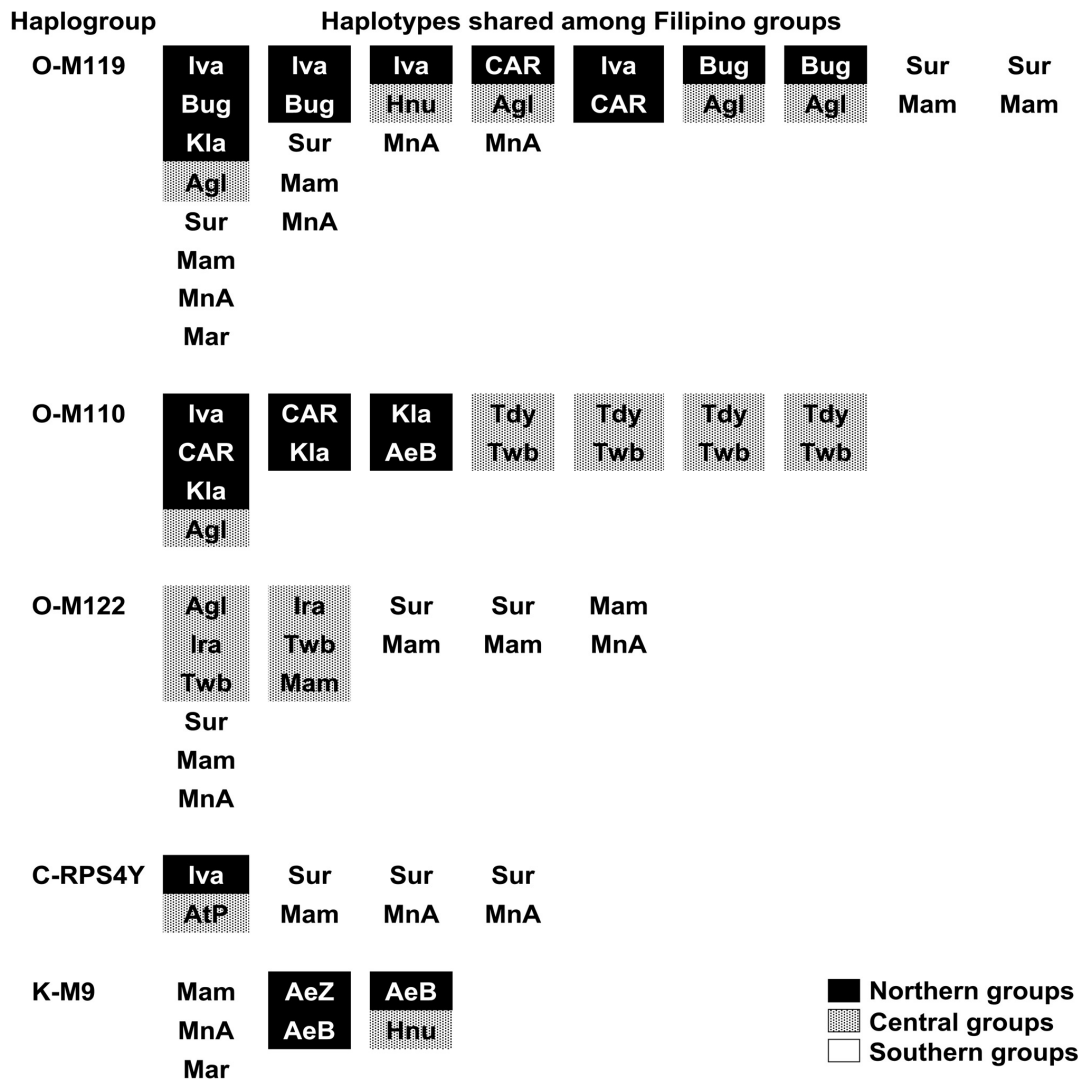


# SUPPLEMENTARY FIGURES



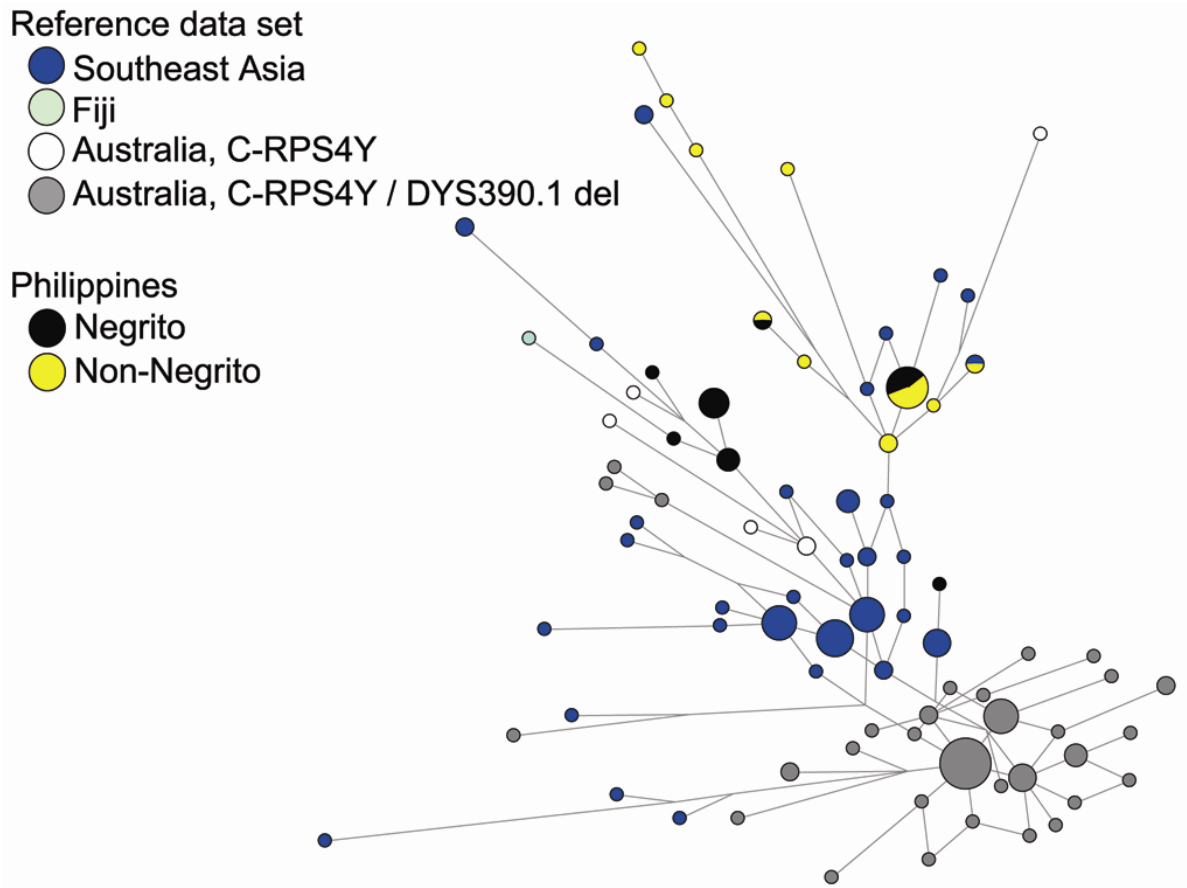
Supplementary Figure 1. A schematic representation of the Y-SNP haplogroup tree. The tree shows the phylogenetic relationships of Y-SNPs used in this study. Y-SNPs represented on solid lines were genotyped in this study, while Y-SNPs represented on dashed lines were not typed but were included in the figure for reference purposes. Y-SNP haplogroup labels at particular tips of the tree indicate the Y-SNP haplogroups observed in the Filipino language group data set. Colors distinguish between the different Y-SNP multiplexes. Multiplexes I.1 to III.19 were adopted and modified from previous studies<sup>1,2</sup> and were used in an ABI Prism<sup>®</sup> SNaPshot<sup>™</sup> (Applied Biosystems, Foster, CA, USA) assay. The Cluster 1 and Cluster 2 multiplexes were developed for a SBE assay with detection using MALDI-TOF MS.



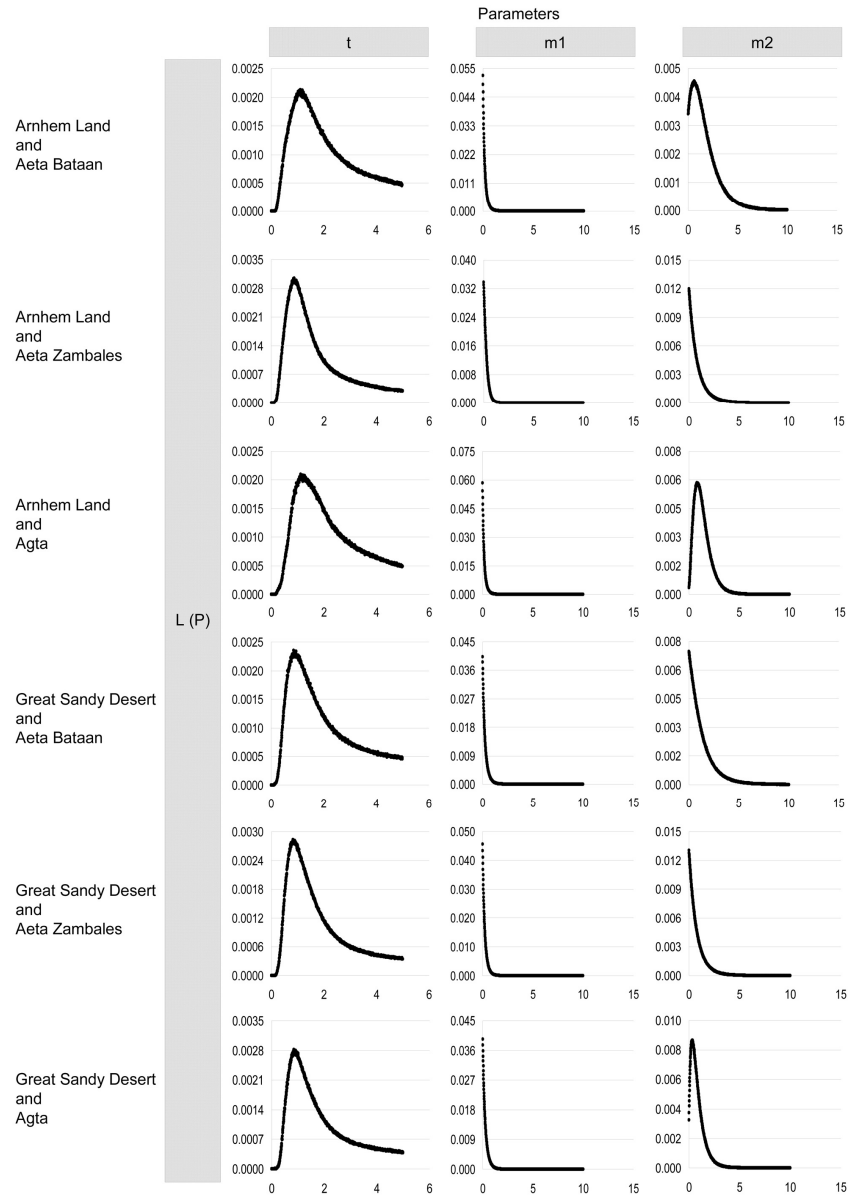
Supplementary Figure 2. Sharing of Y-STR haplotypes (within Y-SNP haplogroups) among Filipino groups.

Each column refers to a specific haplotype shared by two or more Filipino groups.

Codes for Filipino groups are the same as in Figure 1.



Supplementary Figure 3. Network for Y-SNP haplogroup C-RPS4Y. This network contains all haplotypes shown for C-RPS4Y in Figure 6 including all DYS390.1 del / C-RPS4Y haplotypes from the reference data set.<sup>3</sup> Each network is based on seven haplogroup-associated Y-STR loci. Circles represent Y-STR haplotypes, with the area of the circle proportional to the frequency of the haplotype. Nodes without circles that connect branches are median vectors that represent inferred ancestral haplotypes. Branch lengths are proportional to the number of mutation steps.



Supplementary Figure 4. Posterior distributions of parameter estimates of divergence times ( $t$ ) and migration rates ( $m1$  and  $m2$ ). Parameter estimates are for Negrito groups and indigenous Australians with observed genetic associations, and were obtained for Y-STR haplotype data (7 Y-STRs) using the IM program.<sup>4</sup> The x-axis shows the parameter scales for  $t$ ,  $m1$  (migration from Negrito groups to Australian groups) and  $m2$  (migration from Australian groups to Negrito groups), respectively; while the y-axis shows the log likelihood values. Scaled values ( $T$ ,  $M1$  and  $M2$ ) for the peak (mode) of each distribution are shown in Table 4.

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