**Figure S5: Mesoamerica lowland cluster (G2).** Plots of the log likelihood **(a)** and *ΔK* **(b)** for 58 accessions from Mexico, Central America, the Caribbean and northeastern of South America. For the log likelihood plots and the calculation of *ΔK,* the average log likelihood from among the five replicate runs performed at each *K* is plotted (except for *K* = 1, where only one run was performed). The high values of *ΔK* (2 and 4)are labeled with red. The *K*=4 was selected like the optimal substructure model.

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