**Figure S4: Mexico and southern Andes cluster (G1).** Plots of the log likelihood **(a)** and Δ*K* **(b)** for 48 Mexico and southern Andes accessions from substructure analyses. 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 3)are labeled with red. The *K*=3 was selected like the optimal substructure model.

