



S1 Fig. Scatter plot of multidimensional scaling (MDS) illustrating subject distribution by Qatari genetic subpopulation. Shown is MDS on pair-wise similarities between 1,714 unrelated Qatari subjects with K=3 populations, generated using Structure v2.3. The plot illustrates Qatari genetic subpopulation structure, where a proportion of $\geq 65\%$ was required to be assigned to Q1 (Bedouin), Q2 (Persian-South Asian), or Q3 (African) genetic subgroups; $<65\%$ assigned to “Admixed” subgroup. Individuals are color-coded by genetic subpopulation (Q1 = red, Q2 = green, Q3 = blue, Admixed = yellow).