population structure

- Project SNPs in reduced dimensional space.
- Clumps of individuals represent population structure
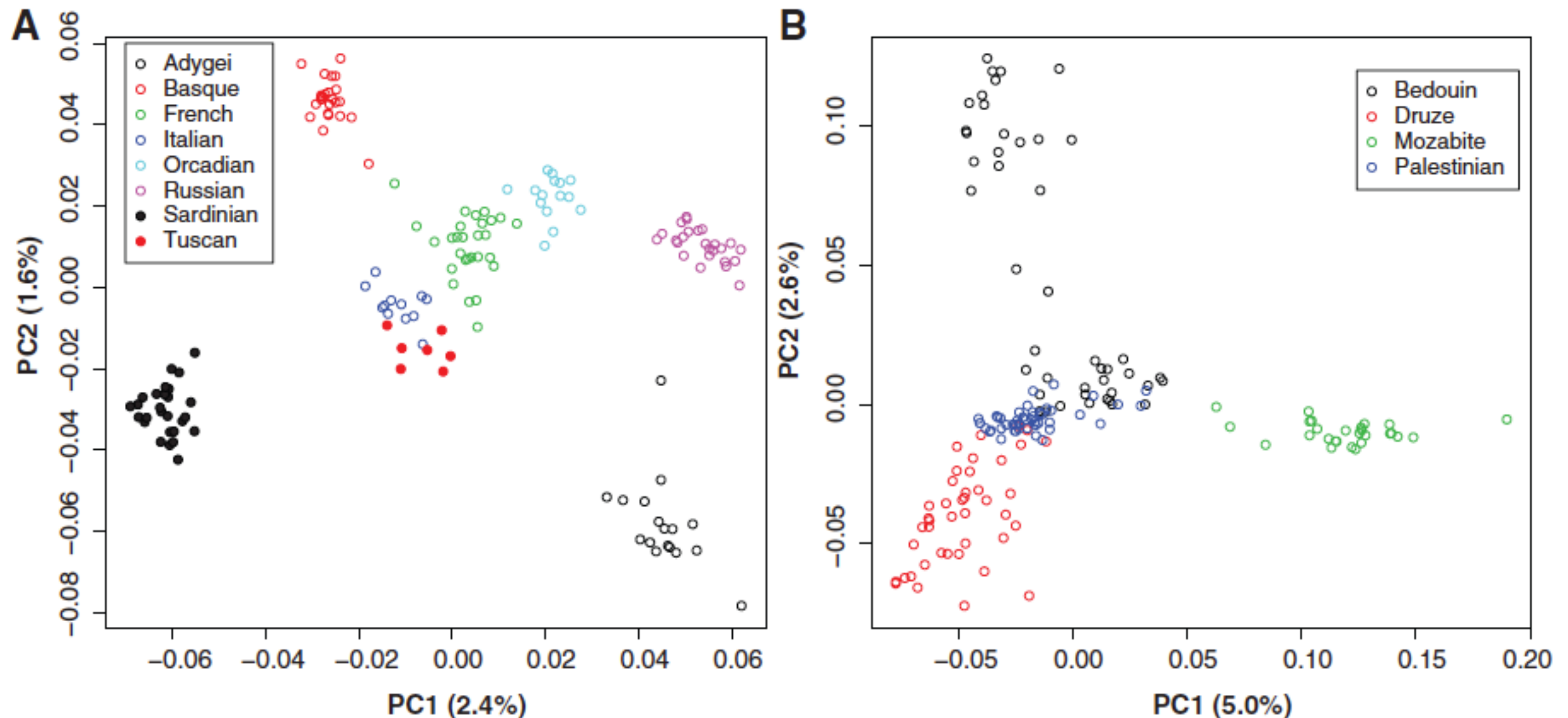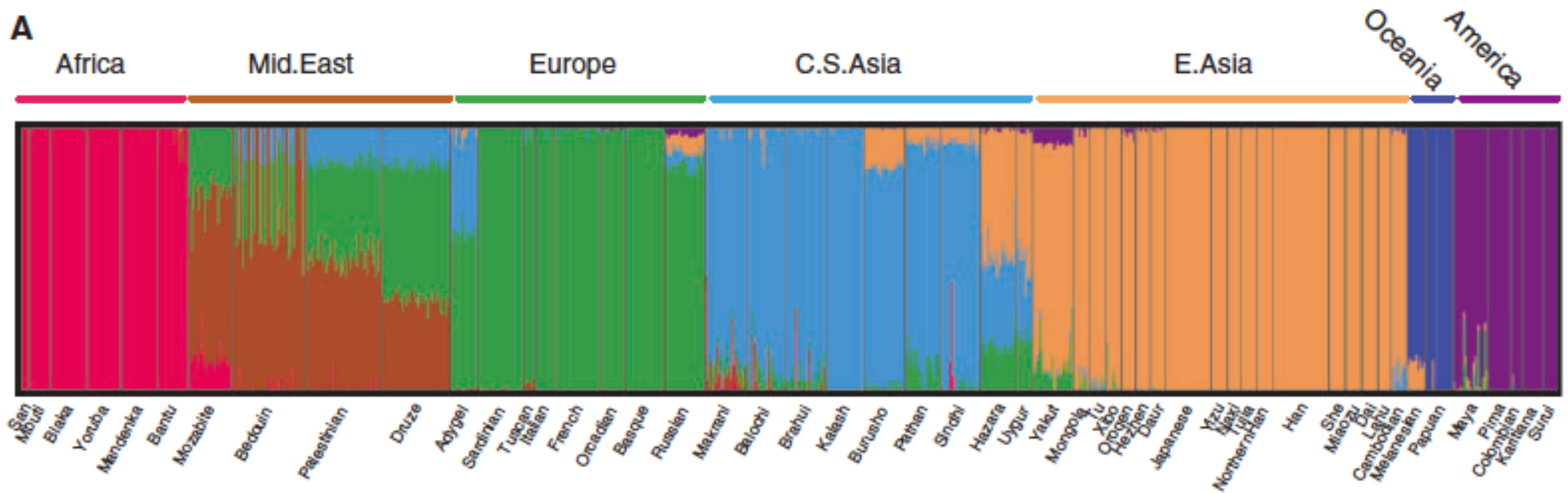

Fig. 2. Fine-scale population structure principal component analyses in two geographic regions, using all autosomal SNPs. **(A)** Europe. **(B)** The Middle East.

Li et al (2008) Science

Model based assignment of individuals to populations

- a priori decide on the number of likely ancestral populations
- use an evolutionary genetics model to assign the most likely ancestry to each individual