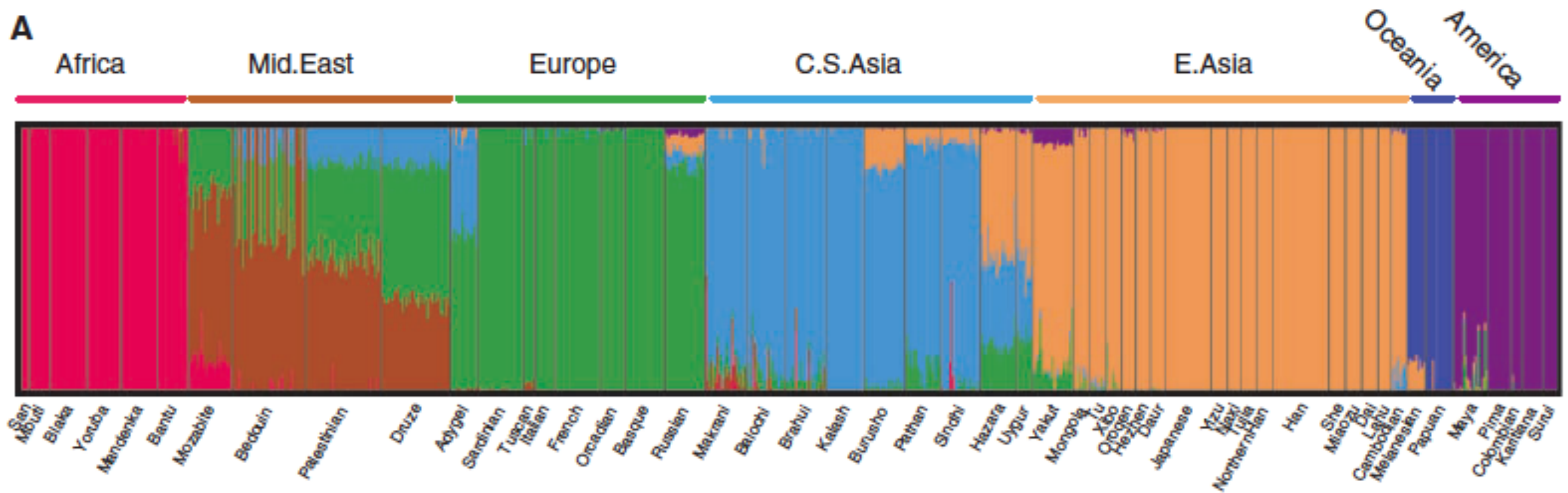


Model based assignment of individuals to populations



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

Questions to be considered in answering assignment questions:

- Is there population structure?
 - How does structure relate to region of origin?
 - How does structure relate to amylose content?
 - How does structure relate to Aluminum tolerance
- Are there GWAS hits for the trait you are studying (TBD)?
- What are the candidate genes for your GWAS hit?