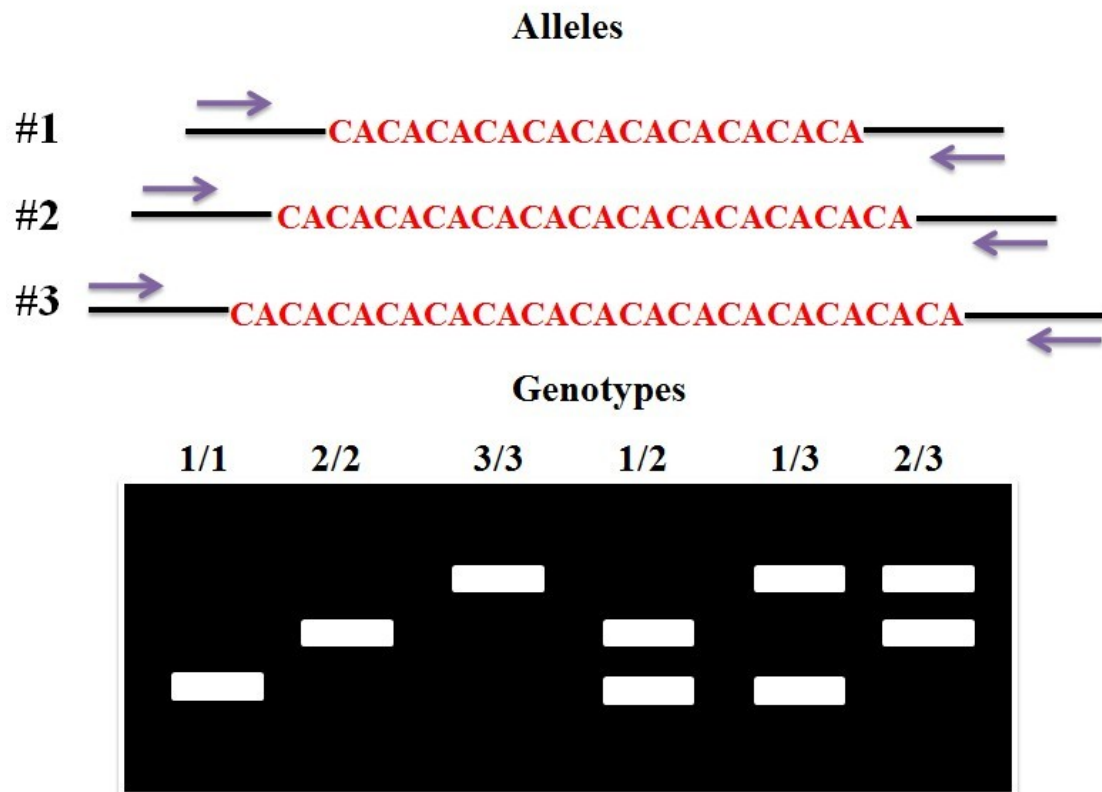


## Microsatellites

**Definition:** A microsatellite is a phenomenon such that DNA motifs (ranging in length from 2–5 base pairs) are repeated for about 5-50 times.<sup>21</sup> Microsatellites occur at thousands of locations in the human genome and they are notable for their high mutation rate and high diversity in the population.<sup>1</sup>



## Whole- genome sequencing

Whole genome sequencing is the process of determining the complete DNA sequence of an organism's genome at a single time. Notice that this process contains sequencing all of an organism's chromosomal DNA as well as DNA contained in the mitochondria and, for plants, in the chloroplast.<sup>1</sup>