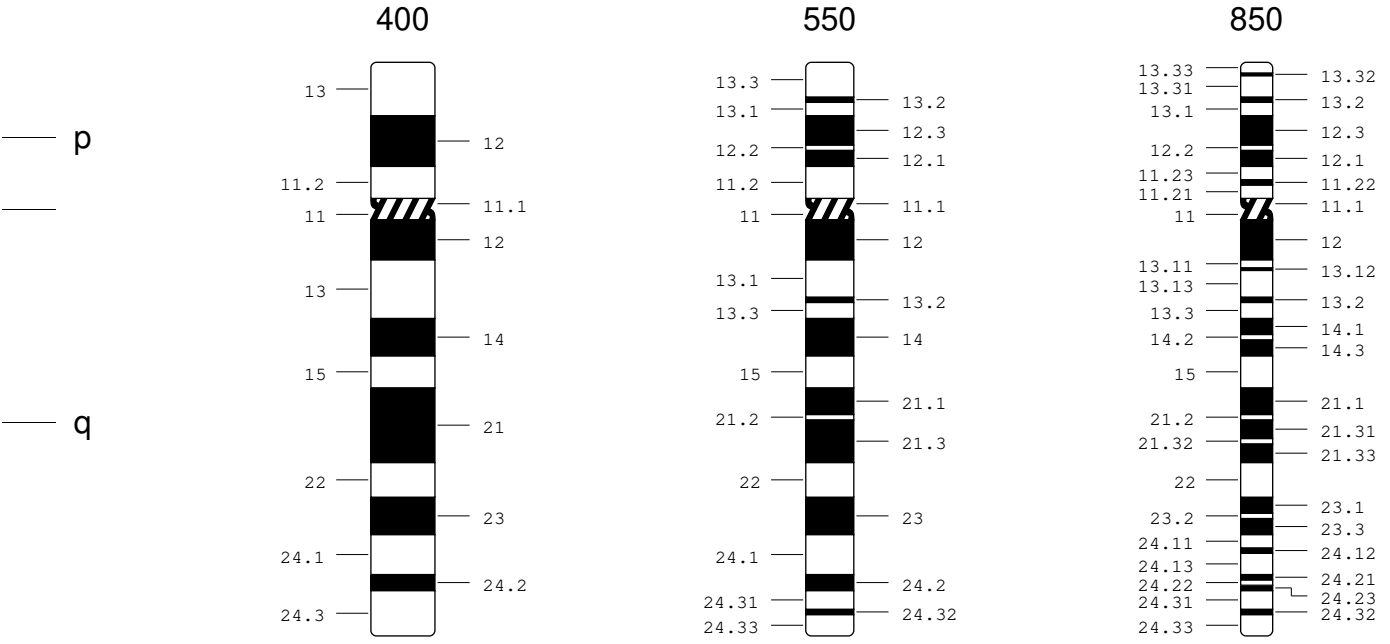CHROMOSOME 12