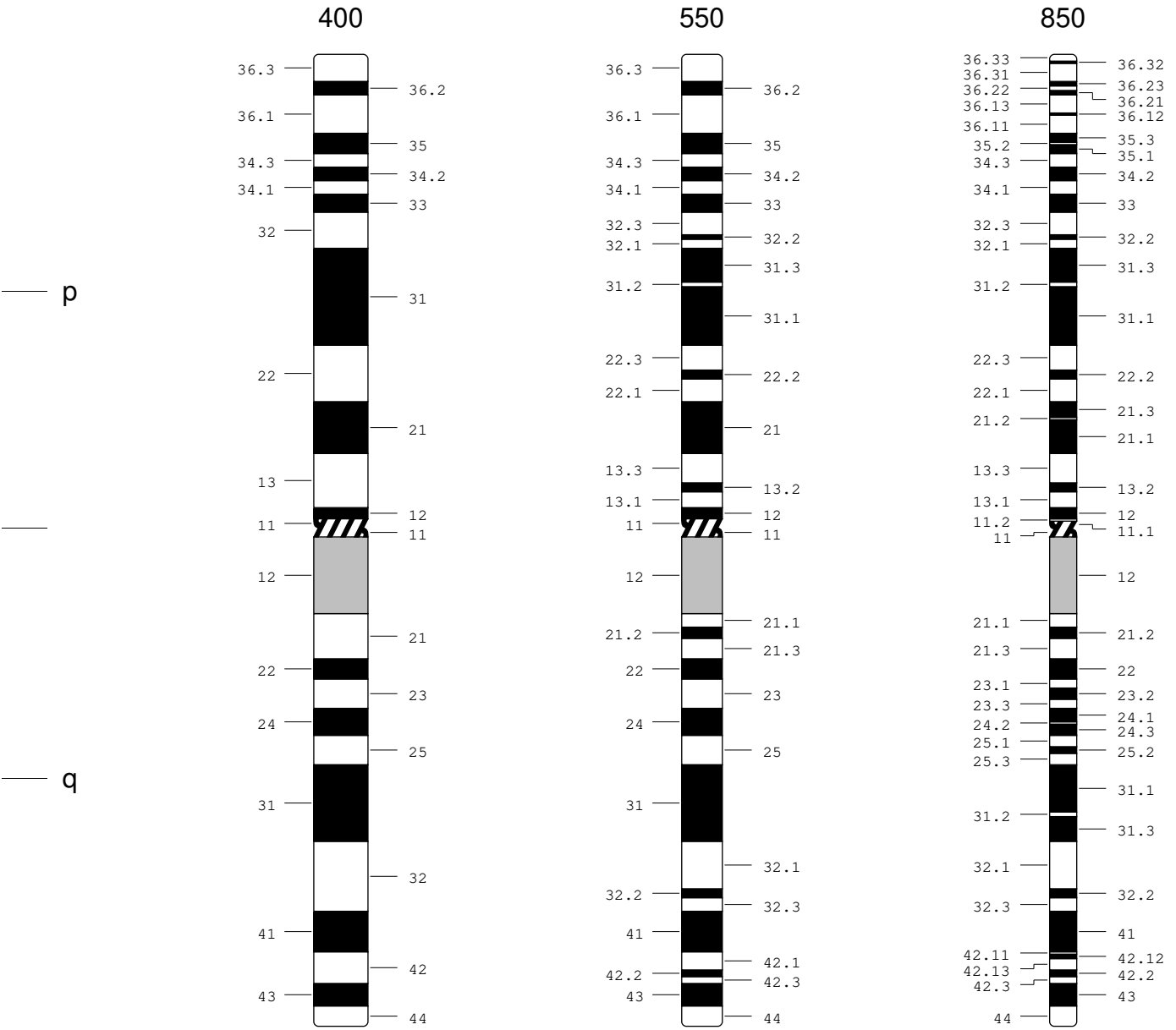CHROMOSOME 1