

SEQUENCING OF GENOME

The first genome sequencing was done for the bacteriophage ϕ X174 bacteriophage having the genome size of 5386 nucleotides in the year 1975. This was followed by the genome sequencing of SV40 virus. Many of the mammals and plants genome sequencing has been done in the recent years. The Sanger's method of DNA sequencing is possible for only 700 nucleotides. But the length of the entire genome is many times more than this. So, *how to sequence the large genomes of mammals having the size of billions of nucleotides.*

The sequencing of the complete genome is done by breaking the genome into fragments of size upto 700 nucleotides that is followed by sequencing of individual DNA fragments.

