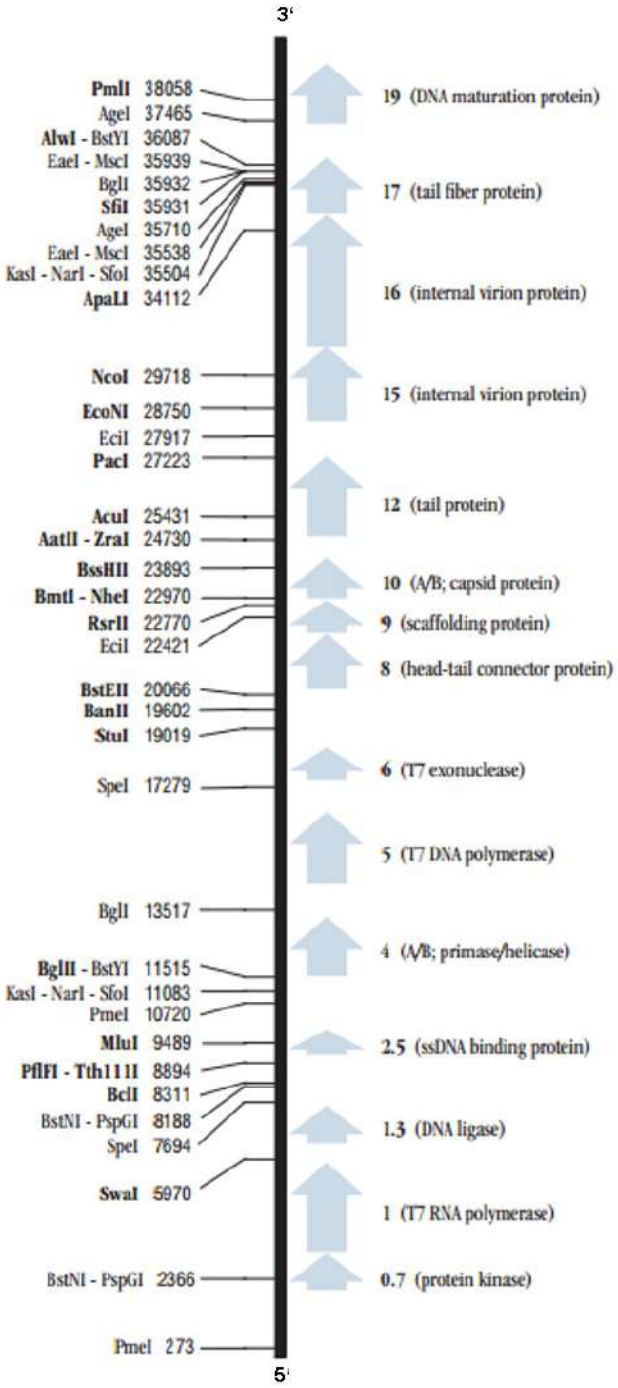
Phage T7 DNA – vector card

Linear Bacteriophage T7 DNA (Bioron Ref. No. 310005/ 310025) has a length of 39 937 bp.

GeneBank Accession #: NC_001604



Phage T7 DNA genome contains 56 genes. Depending on the order of transcription in the infected host and the dependence on host and/or phage RNA polymerase, these genes are described as early or late. The numbering of the sequence begins at the first base of 5'-end in the direction of early to late genes. The map on the left shows the position of all known ORFs lager than 200 codons.

Enzymes with two restriction sites are shown in regular type, while enzymes with unique are shown in **bold type.**

There are no restriction sites for the following enzymes: AfeI, ApaI, AscI, AsiSI, BamHI, BsiWI, BspEI, EagI, Eco53KI, EcoRI, EcoRV, FseI, HindIII, I-CeuI, I-SceI, NaeI, NgoMIV, NotI, PI-PspI, PI-SceI, PaeR7I, PspOMI, PspXI, PstI, PvuI, SacI, SacII, SalI, SbfI, SexAI, SgrAI, SmaI, SphI, SrfI, TliI, TspMI, XhoI, XmaI

References: Dunn, J.J. and Studier, F.W. (1983), Complete nucleotide sequence of bacteriophage T7 DNA and the locations of T7 genetic elements, J. Mol. Biol. 166 (4), 477-535.