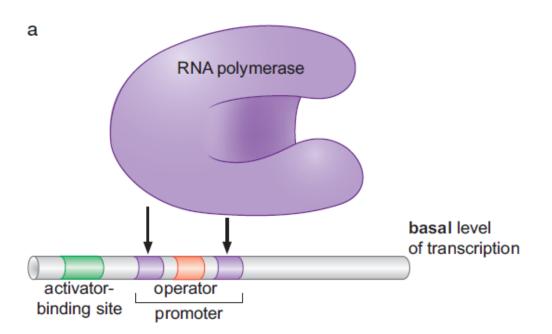
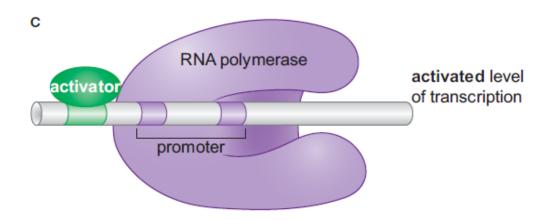
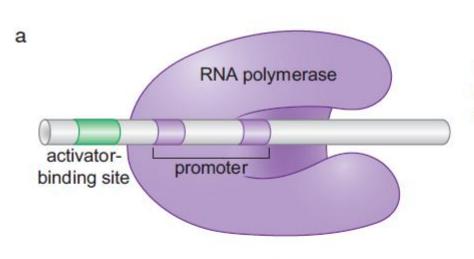
Transcriptional Regulation in Prokaryotes (Operons)

Molecular Biology
Sayan Ganguly
MicroDome
22.04.25

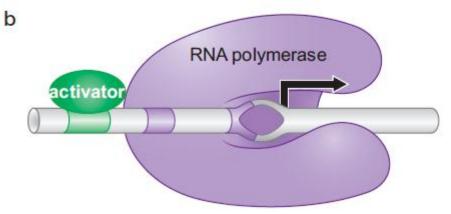




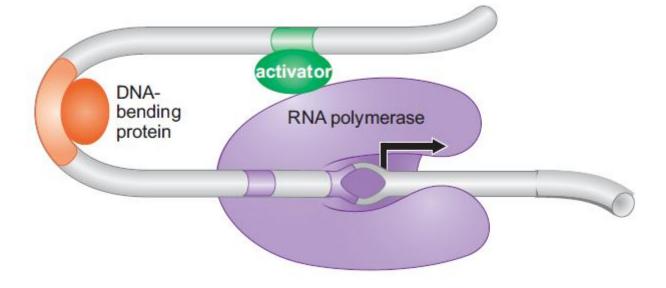


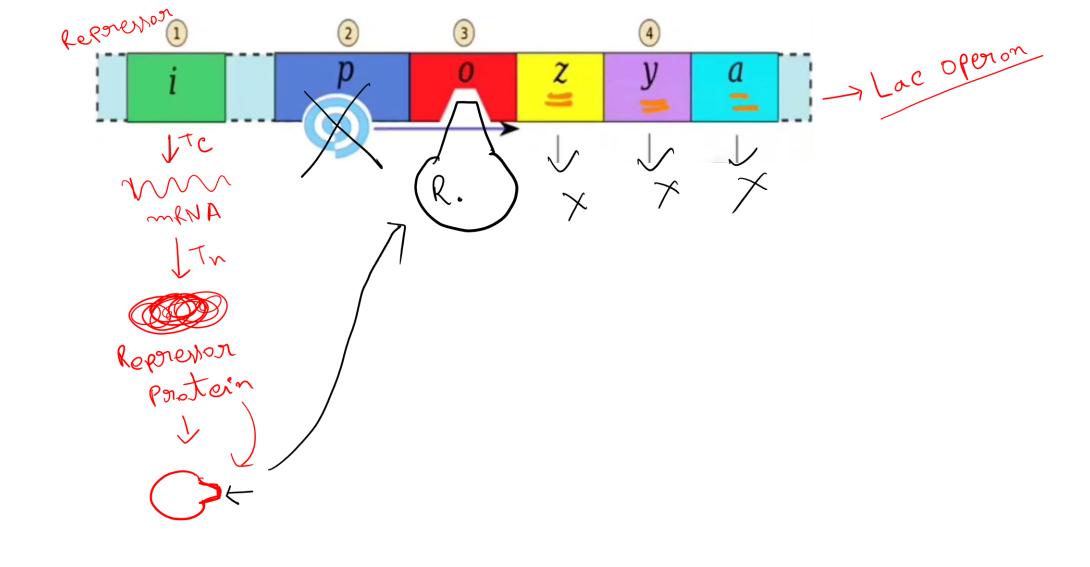


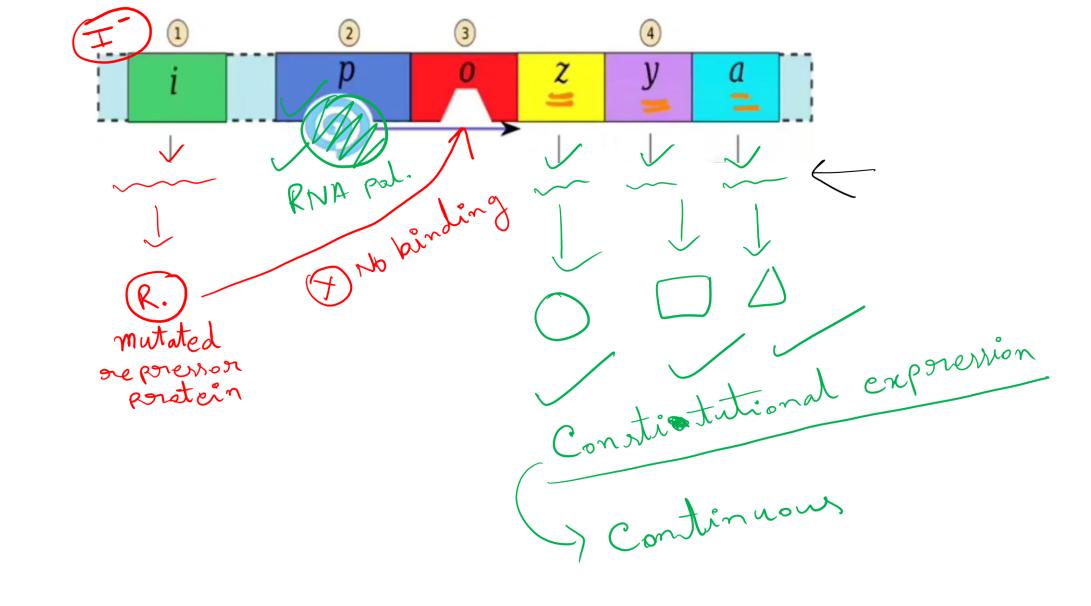
no spontaneous isomerization and thus no transcription



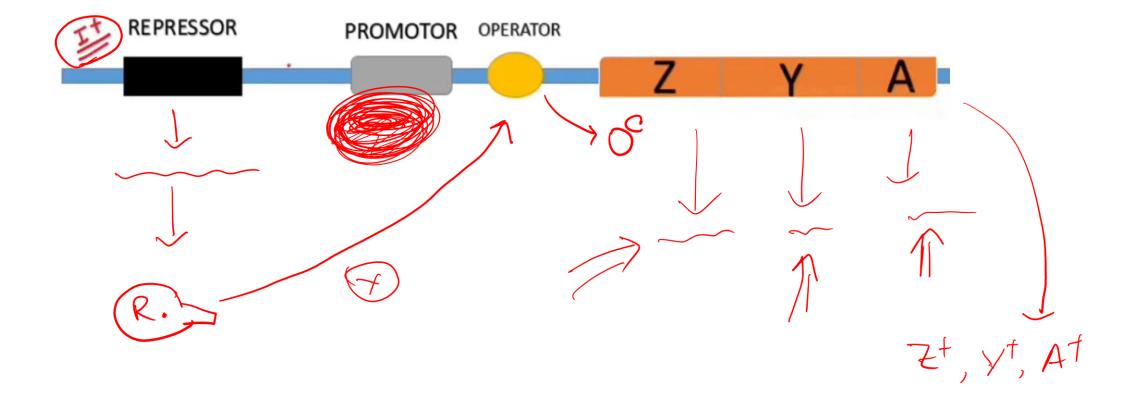
activated level of transcription



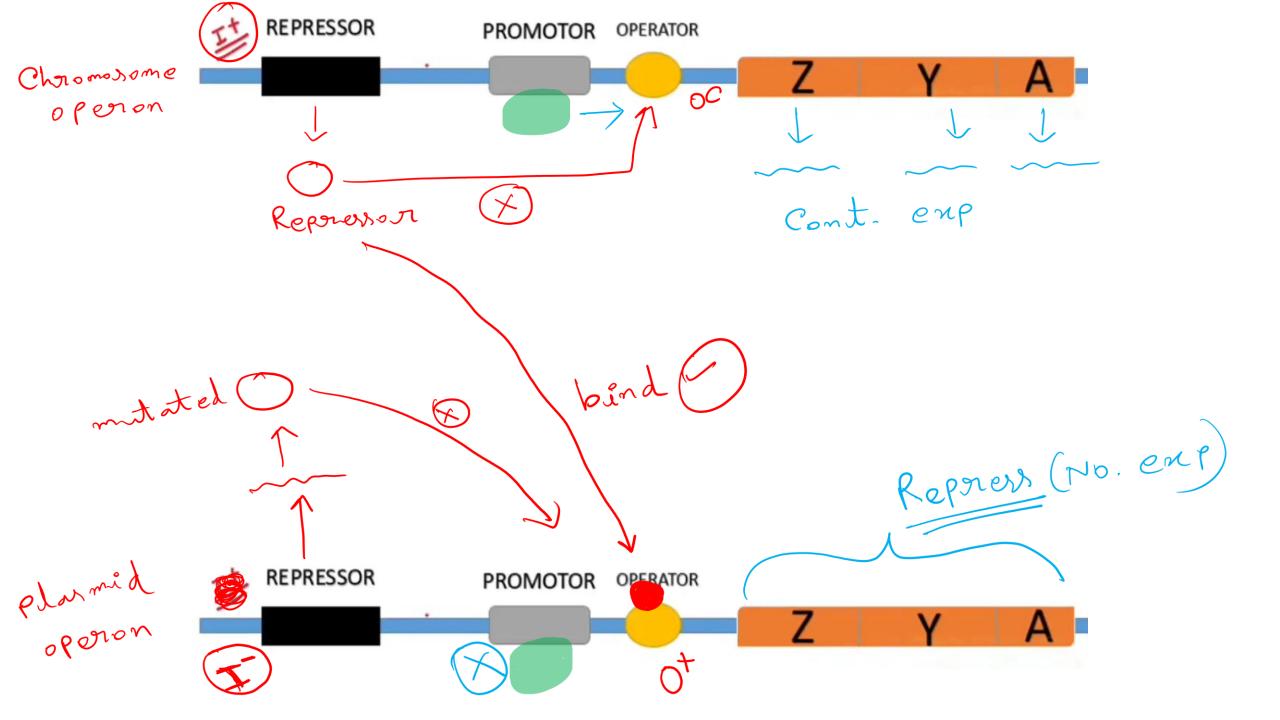


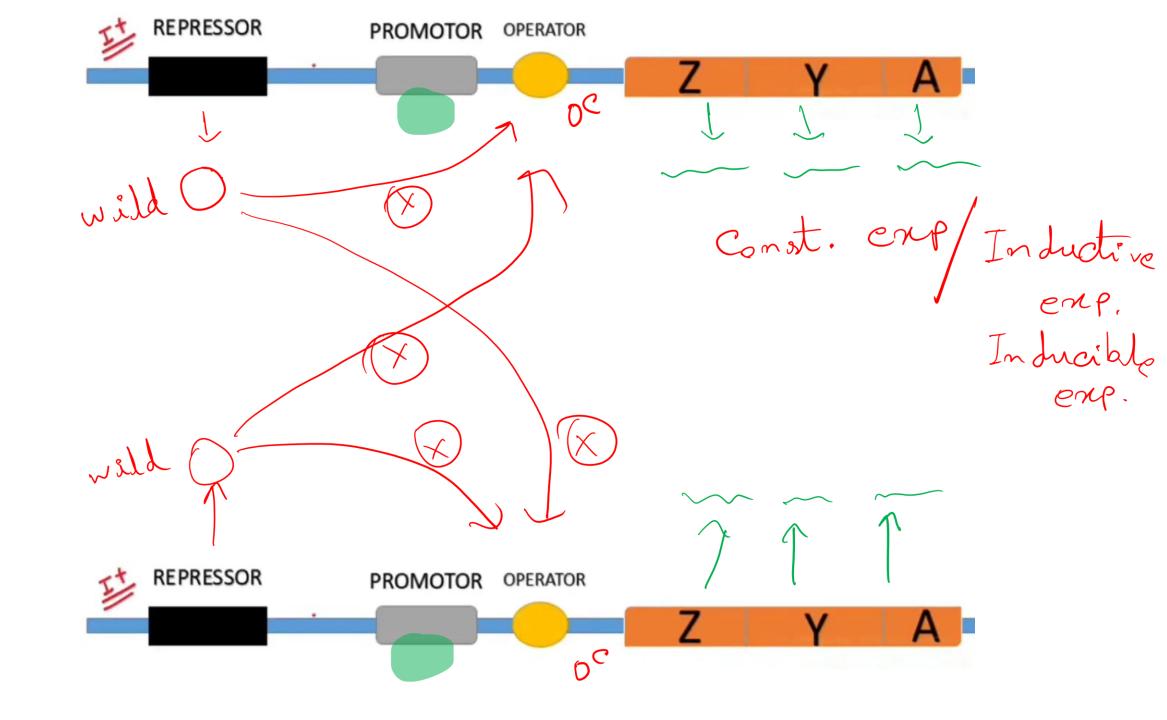


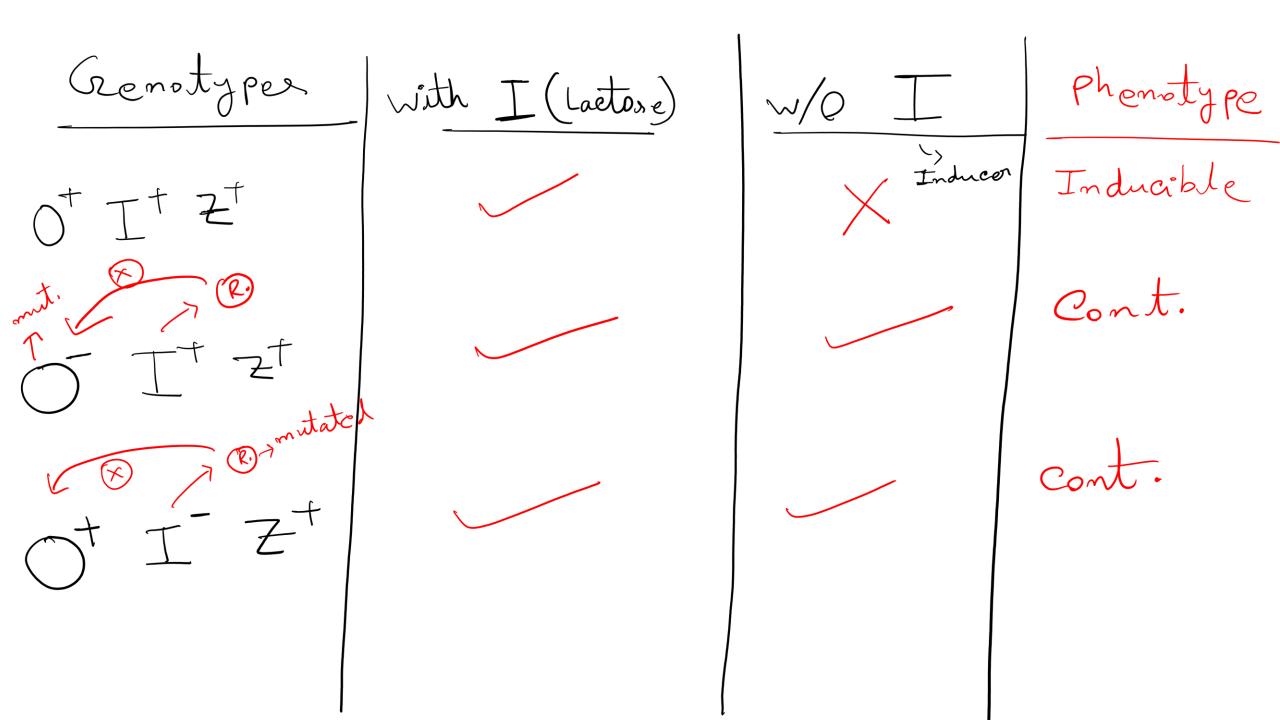
mutalod Oponator = cont. sit Joern't have sepresson binding site -t -> wild type (no mutation) -- -> mutated



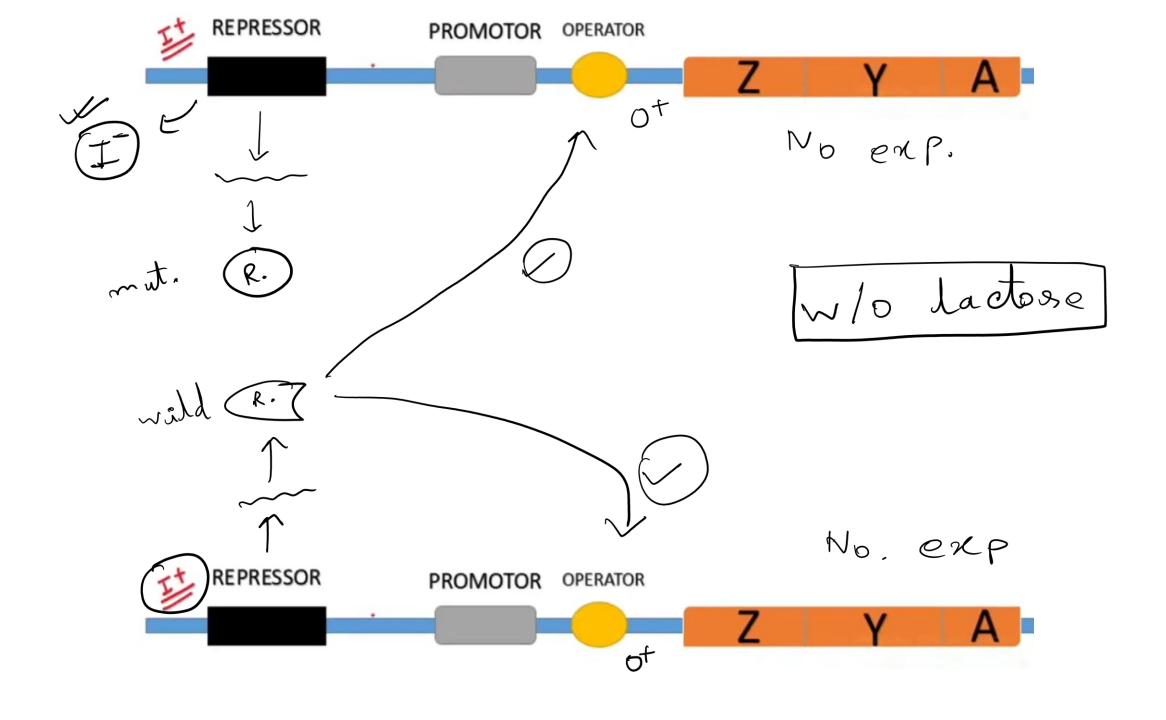
Merodipoid condition Lac opener (Jac openon & Merozygote Thomosomal DNA , ac o poron Lactor Toransk. directs

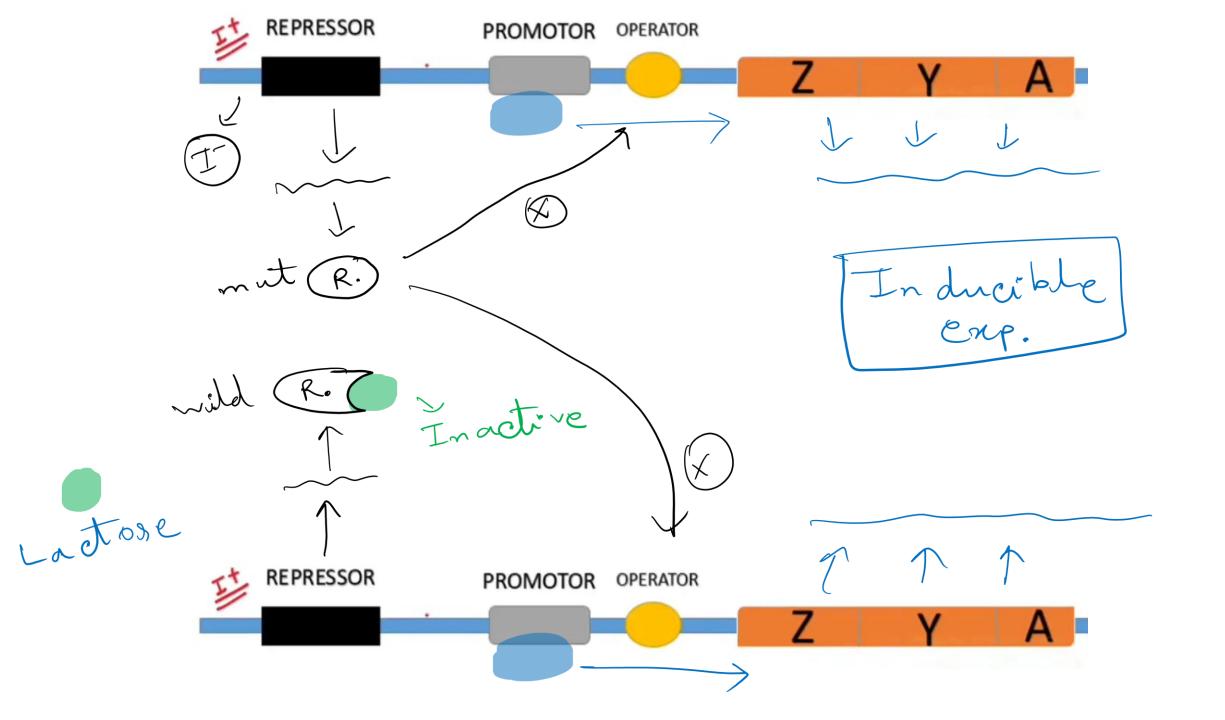


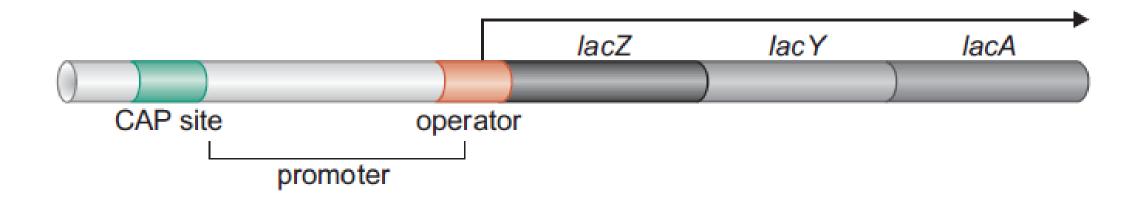


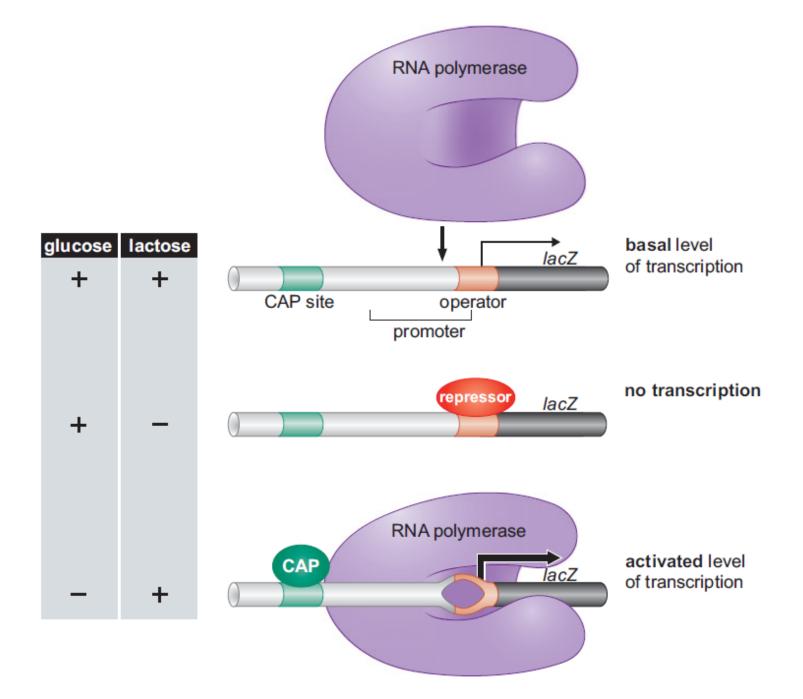


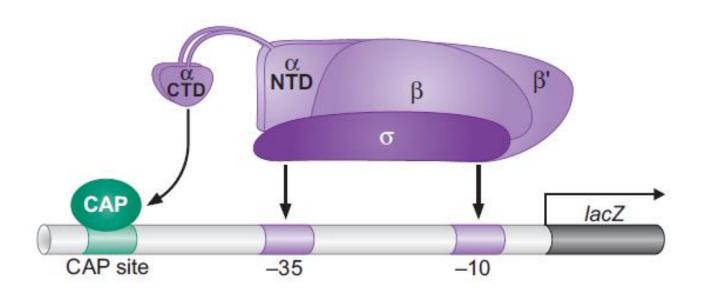
Qenatyper Phenotype I thin Inducible I-0+2+/I+0+2+ I+0°2+/ I+0+2+ I+0C 2+/ I-0+2 I 0 7 2 1 / I - 0 7 2 5 I+0° 21/ I+0° 2+

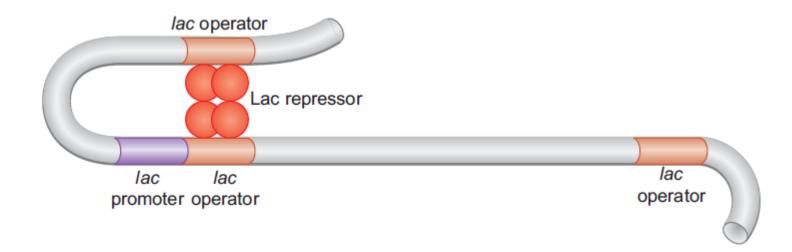


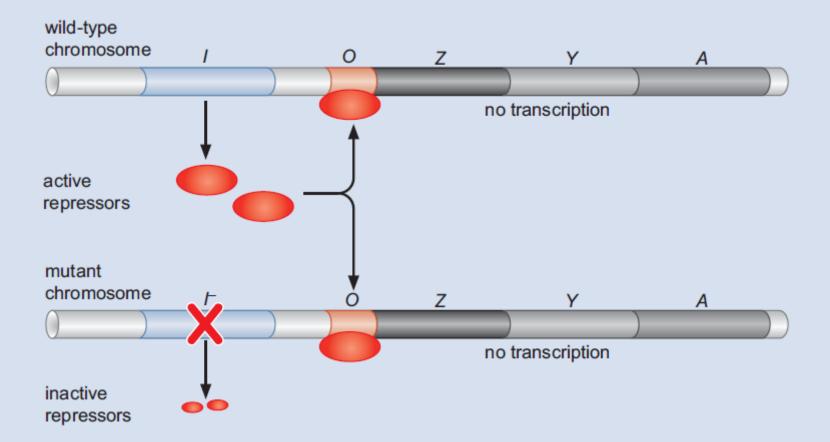


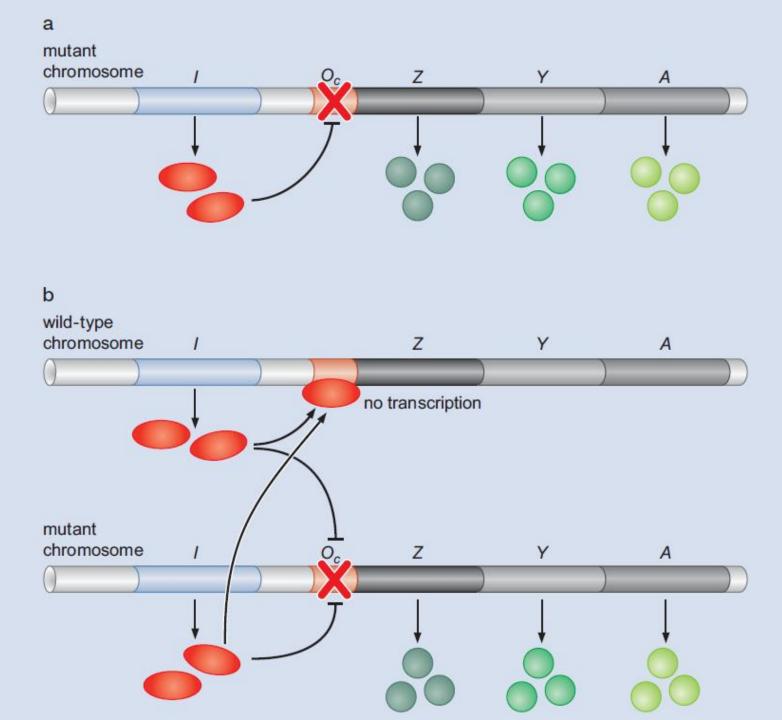




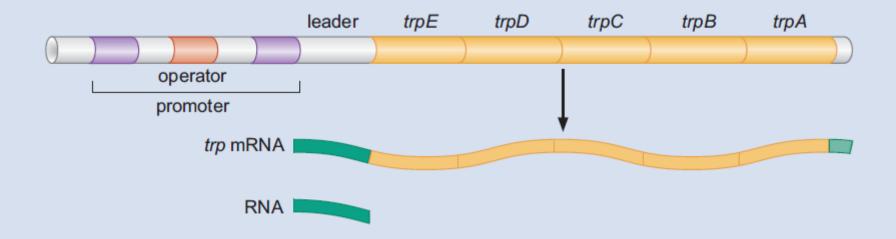


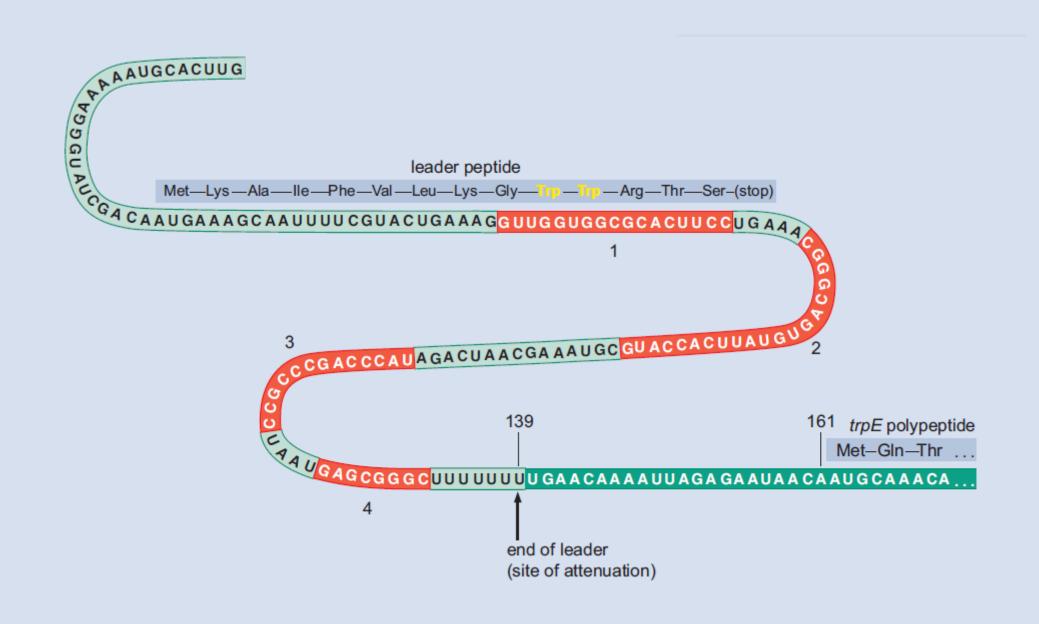


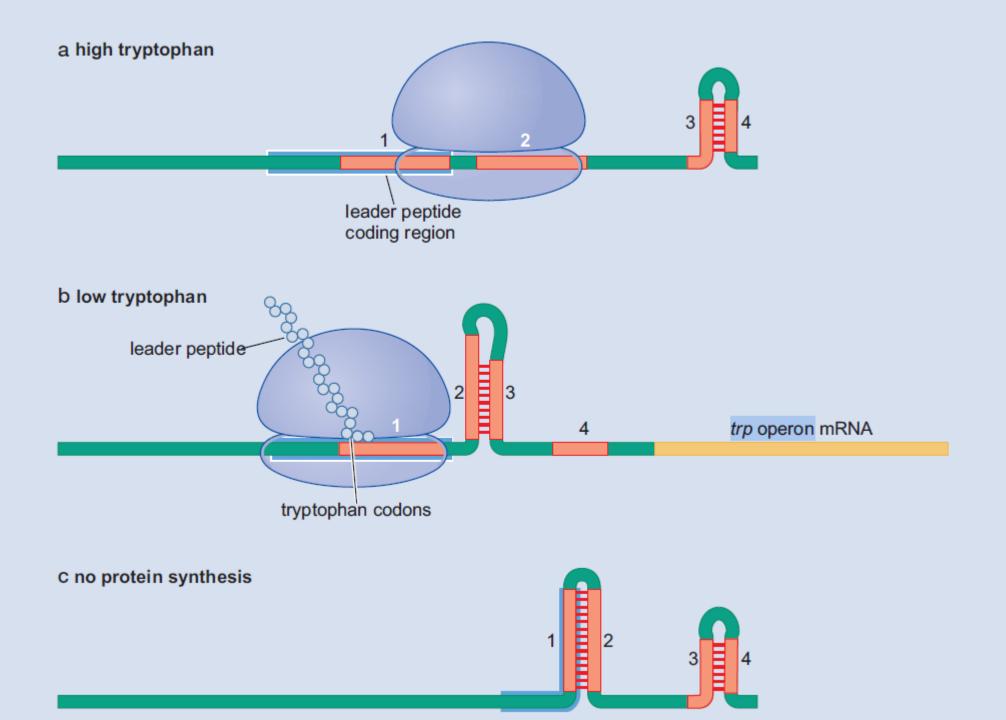




Tryptophan (Trp) Operon







Thank You!