Pre AP Biology

DNA Control Mechanisms

Francois Jacob (sitting) & Jacques Monod (standing)



Operon Regulation



(a) Tryptophan absent, repressor inactive, operon on

Operon Repressor



(b) Tryptophan present, repressor active, operon off

Repressor



Operon and Inducers



(b) Lactose present, repressor inactive, operon on



Chromatin vs. Chromosomes appearance within the cell.





DNA Control stages in Protein Synthesis

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Post Translation Control of exons



Post translation control How many As on the tail?



Chaperonin Protein will stay in the cell



RER Protein will leave the cell

