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	Date
	Homework # 8
	The Lac openon is controlled by lac repressor and the
	CAT UCT VOUS
1	The Lac openon envoles protein required to import
	2 digest la close. In the absence of Glucose,
	the boactina makes CAMP which activate CAP to switch
1.1	on genes, allowing the cell to use lactore.
16	In the absence of lactore, it would be useless for
	CAP to induce expression of the operon.
100	Thus, in the absence of lactive, the operon is off.
1	Thus, Lac operon is highly expressed only in
	the absence of guesse e presence of lactore.
	January of the cost
N	When Lactore is present AND glucose is prospect
1	rabbent, transcription of genes takes place,
	Litilizina lookse
	utilizing lactore.
\sim	Glucose present AND Lactore present - Operon off. No lactore metabolism
û	Glucese absent AND Lactise present - Operon ON, Yes
	la ctose metabolism
่น่	Glucise present AND Lactor absent - Opinon OFF, Mo
	Lactose metabolism
ìv	alucose present AND lacture present - Openon OFF,
	no lactore metabolism
	a operar is and order in core in
	o governo de constante de la c
	i e logic d'operar expression is
	(Grucose absent) AND (Lactor present)
	Cimes wsim / In the

	Date//
2 7	Alternative
1	
	Using Lac repressor and audactore as the
	inducer.
7,7	In absence of lactose, I ac represent binds to the
	[ac Operator and expression of operan is off.
1	Addition of Lactise increases the intra cellular
	concentration of a related, allolactore. Allolactore
1	bolnows to the lac golvalin, gusing it to undergo
	a confirmational change that releases its grip on
1	a confirmational change that releases its grip on the operator by reducing its affinity with the Operation site of PNA. Thus the Operan can be
	Operation site of PNA. Thus the Operon can be
	expressed in the absence of the repressor.
	In obsence of alucial, the 100 operon is
Di	of lacture as the body directly uses glucose
	of lactore as the body directly uses glucose
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	here, is the preferred form of energy.
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