

Programa Multicêntrico de Bioquímica e Biologia Molecular

Edital de Seleção PMBqBM 02/2025

Prova B: Suficiência em Língua Inglesa – Folha Gabarito

GABARITO

Preencha com X a alternativa correta

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1	A	B	C	D	7	A	B	C	D
2	A	B	C	D	8	A	B	C	D
3	A	B	C	D	9	A	B	C	D
4	A	B	C	D	10	A	B	C	D

5. When researchers discovered the unusually small circular DNA during sequencing, what initial explanation did they propose for its presence, before confirming it was real?

Trecho do texto:

we suspected this tiny circular genome might be some kind of artifact

O candidato não poderá transcrever o trecho, utilizando “We”

- They thought/suspected it might be an experimental artifact.

6. Researchers identified several unusually large, membrane-associated proteins in the microbe's genome. Considering their structure and location, what is the most likely function of these proteins?

Trecho do texto:

... and determine what exactly the microbe's proteins do, including several huge, membrane-associated ones that may relate to how it interacts with its host.

A pergunta se refere a proteínas, então se o candidato usar o termo “microbe may interact” deve considerar parcial a nota da resposta.

- The proteins may interact with its host.

11. Why is reversible protein phosphorylation described as a “biological amplifier” in the text?

Answer: Because one hormonal signal can activate a cascade of kinases, multiplying the effect and producing a large cellular response.

12. According to the text, how can reversible phosphorylation be involved both in normal regulation and in disease?

Answer: It normally regulates metabolism and immune defense, but its imbalance can cause cancer or transplant rejection.