

Sociedade Brasileira de Bioquímica e Biologia Molecular - SBBq
Editais de Seleção PMBqBM 01/2026
Prova B: Suficiência em Língua Inglesa - FOLHA GABARITO
Candidato (nome legível):
CPF: _____

Preencha com X a alternativa correta.

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

Questões discursivas: 5, 6, 11 e 12

RESPONDER EM INGLÊS

5. According to the text, what are the two essential functions of the pegRNA in the prime editing system?

It targets the locus and encodes the desired DNA alteration.

Trecho do texto: terceiro parágrafo

it directs the PE complex to the target locus, and it encodes the desired DNA alteration within its extended 3' region. After nicking of the target strand, the reverse transcriptase uses the pegRNA as a template to directly reverse transcribe the edited sequence into the genome.

6. How has prime editing expanded beyond small DNA insertions and deletions? **It enables large-fragment genome editing.**

OU

It enables large-scale chromosomal manipulation

Trechos do texto que o candidato pode utilizar para responder a pergunta: penúltimo

parágrafo Prime editing-based strategies have now been developed for large-scale chromosomal manipulation.

These approaches enable megabase-scale deletions, inversions, amplifications, and translocations

As prime editing efficiency continues to improve, efficient large-fragment genome editing will become within reach.

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11. What is the importance of the AlphaFold Protein Structure Database for researchers?

Answer: The database provides free access to millions of predicted protein structures from numerous organisms, allowing researchers to generate hypotheses, design experiments, and accelerate scientific discoveries.

12. According to the text, what limitations still exist despite AlphaFold's success?

Answer: AlphaFold does not fully predict protein interactions, conformational changes, or behavior under different physiological conditions. These remain important scientific challenges.