

5 章 試 験

--

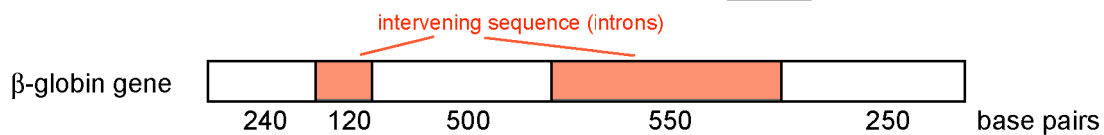
番号	フリガナ ( ) 氏名
----	----------------

1. 次の語句の日本語訳（略語不可）を各々の括弧内に書きなさい（各2点）。

- |                             |         |
|-----------------------------|---------|
| 1. sugar-phosphate backbone | 1. ( )  |
| 2. base pair                | 2. ( )  |
| 3. linear polymer           | 3. ( )  |
| 4. gene expression          | 4. ( )  |
| 5. negative charge          | 5. ( )  |
|                             |         |
| 6. Eukaryotic gene          | 6. ( )  |
| 7. melting temperature      | 7. ( )  |
| 8. release factor           | 8. ( )  |
| 9. transfer RNA             | 9. ( )  |
| 10. superhelix              | 10. ( ) |
|                             |         |
| 11. template                | 11. ( ) |
| 12. reverse transcriptase   | 12. ( ) |
| 13. translation             | 13. ( ) |
| 14. transcription           | 14. ( ) |
| 15. replication             | 15. ( ) |

2. 四角の中に単語あるいは数字を選択肢から選び入れて文章を完成させなさい（各2点）。

In bacteria, polypeptide chains are encoded by a  array of triplet  in DNA. For many years, genes in  organisms also were assumed to be continuous. The  nature of eukaryotic genes was revealed by electron microscopic studies of  formed between  and a segment of  containing the corresponding gene. For example, the gene for the  $\beta$  chain of hemoglobin is interrupted within its amino acid-coding sequence by a long intervening sequence of  base pairs and a short one of  base pairs. Thus, the  $\beta$ -globin gene is split into  coding sequences.



語句選択肢： systematic, dynamic, mosaic, modes, codons, signals, mRNA, tRNA, rRNA, DNA, lower, higher, 120, 240, 250, 500, 550, bonds, kinks (複数回使用有) hybrids, introns, exons, one, two, three, five, continuous, replication