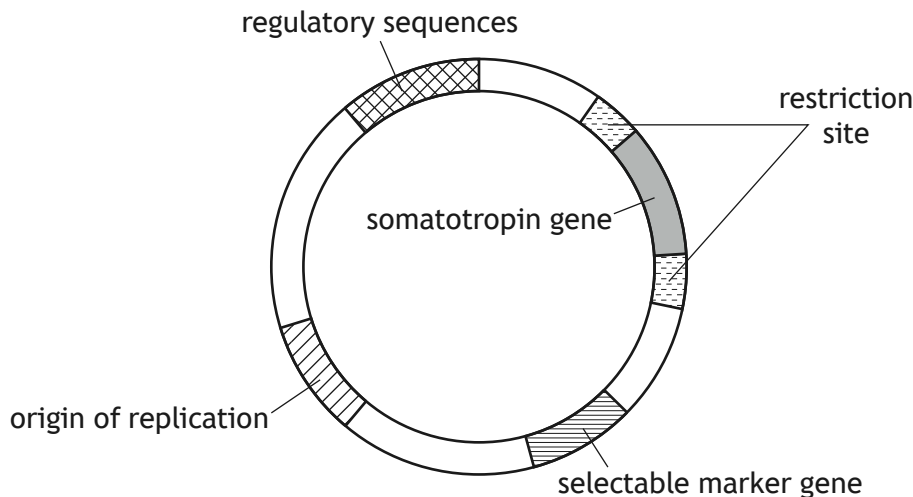


17. A pharmaceutical company used recombinant DNA technology to produce genetically modified bacteria that synthesised the human growth hormone somatotropin. The diagram shows the modified plasmid that was used to transform the bacteria.



The transformed bacteria were resistant to the antibiotic ampicillin. Which feature of the modified plasmid is responsible for this resistance?

- A Regulatory sequences
- B Somatotropin gene
- C Origin of replication
- D Selectable marker gene