CRISPR-cas9 [1]

By: Howell-Moroney, Madeleine Keywords: Cas 9 [2] CRISPR [3]

CRISPR-Cas9 System in S. Thermophilus

A virus with an unknown genome attacks the cell

A virus with a known genome attacks the cell

The viral genome is deactivated

CRISPR RNA guides cas-9 protein to break up viral DNA at the target sequence

The target sequence in the viral genome recognized by CRISPR RNA

A portion of the viral DNA sequence is copied to create a new spacer

New spacer is inserted between CRISPR sequences

The bacterium is now immune to the virus

CRISPR

Illustrated by Madeleine Howell-Moroney

Subject

Topic
Experiments [10]

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