

HOMOPLASMY

Meaning: Homoplasmy refers to the condition in which all copies of mitochondrial DNA within a cell are identical.

1. Homoplasmy is a term often used in genetics to describe the presence of identical mitochondrial DNA within a cell.
2. Research into homoplasmy can help scientists understand the inheritance patterns of mitochondrial diseases.
3. The study of homoplasmy versus heteroplasmy is crucial for developing therapies for certain genetic disorders.
4. In certain cases, homoplasmy can indicate a lack of genetic diversity in a population's mitochondrial lineage.
5. Understanding homoplasmy is essential for researchers investigating the evolutionary history of various species.

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