

HOX

Meaning: HOX refers to a group of genes that determine the body plan and the development of anatomical structures in organisms during embryonic development.

1. The HOX genes play a crucial role in regulating the body plan during embryonic development.
2. Scientists are studying the HOX gene clusters to better understand evolutionary biology.
3. Mutations in HOX genes can lead to significant developmental disorders in various organisms.
4. Researchers are exploring the potential of HOX gene manipulation in regenerative medicine.
5. Understanding HOX gene expression patterns could provide insights into cancer progression.

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