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DNA Recombination Process

National Cancer Institute

Source

National Cancer Institute. *DNA Recombination Process*. NCI Thesaurus. Code C17082.

Any type of DNA sequence rearrangement involving possible exchange and frequent loss of segments of DNA by either homologous recombination or non-homologous end-joining of broken DNA strands. Recombination is involved in assorting genes during reproduction, in repairing broken DNA, and in maintaining cell viability at the expense of long-term genomic stability.