

GENOME DEFINITIONS*

Used for Codon Bias Analysis Assignment.

* Short definition of terms. Please note that all of these have a lot more nuanced detail about them.

Genome: The entire DNA sequence of an organism.

Nucleotide: Building blocks of DNA (and RNA) molecules. For DNA, there are 4: A, T, C, and G.

Codon: A group of 3 nucleotides. Together, those 3 letters code for a specific amino acid.

Amino Acid: The building block of a protein and is usually represented as a single letter. An amino acid can be created via several different codons.

Codon Bias: As an amino acid can be created via multiple different codons, this is the analysis to determine which of the codons an organism seems to use more frequently in their genome to create a specific amino acid.