**The Triplet Code**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **2nd position** |  |  |  |
| **1ST position** | **A** | **G** | **T** | **C** | **3rd position** |
| **A** | Lysine  Lysine  Asparagine  Asparagine | Arginine  Arginine  Serine  Serine | Isoleucine  **START/Met**  Isoleucine  Isoleucine | Threonine  Threonine  Threonine  Threonine | **A**  **G**  **T**  **C** |
| **G** | Glutamate  Glutamate  Asparagine  Asparagine | Glycine  Glycine  Glycine  Glycine | Valine  Valine  Valine  Valine | Alanine  Alanine Alanine  Alanine | **A**  **G**  **T**  **C** |
| **T** | **STOP**  **STOP**  Tyrosine  Tyrosine | **STOP**  Tryptophan  Cystine  Cystine | Leucine  Leucine  Phenylalanine  Phenylalanine | Serine  Serine  Serine  Serine | **A**  **G**  **T**  **C** |
| **C** | Glutamine  Glutamine  Histidine  Histidine | Arginine  Arginine  Arginine  Arginine | Leucine  Leucine  Leucine  Leucine | Proline  Proline  Proline  Proline | **A**  **G**  **T**  **C** |