DNA NOTES: Protein Production (Biology)





| | SECOND BASE | | | | | | | | | | | | | | | |
|----------|-------------------|-----------------|--------------------|-----|-------------------|----------------|------------------------------|----------------------------|-------------------|----------------|-------------------------------------|--------------------------|--|--|------------------|--|
| | | U C A G | | | | | (| 3 | | Codons in mRNA | | | | | | |
| | 000 000 | Phe | UCU UCC | Ser | UAU UAC | JAU JAC Tyr | UGU UGC | U C Stop G Trp | U C | First base | U | Second C | l base A | G | Third base | |
| | UUG | Leu | UCA | | UAA UAG | Stop Stop | UGA UGG | | A G | U | UUU UUC UUA UUG Leucine | UCU UCC UCA UCG | UAU UAC UAA UAA UAG | UGU UGC UGA – Stop UGG – Tryptophan | U C | |
| | | | CCU CCC | Due | CAU CAC | His | CGU ⁻ s CGC |] | U C | | | | | | A G | |
| RST BASE | | | CCA CCG ACU | Pro | CAA CAG AAU | GIn | CGA CGG AGU | | C D V IRD BASE | с | CUU CUC CUA CUG | CCU CCC CCA CCG | CAU CAC CAA CAA Glutamine | CGU CGC CGA CGG | U C A G | |
| E | | Met or start | ACC ACA ACG | Thr | AAC AAA AAG | Lys | AGC AGA AGG | Arg | C⊢ A G | A | AUU AUC AUA AUG-Start | ACU ACC ACA ACG | AAU AAC AAA AAG Lysine | AGU AGC AGA AGG Arginine | U C A G | |
| | GUC GUA GUG | Val | GCC GCA GCG_ | Ala | GAC GAA GAA | Asp Glu | GGC GGA GGG | Gly | C A G | G | GUU GUC GUA GUG | GCU GCC GCA GCG | GAU Aspartic GAC Acid GAA Glutamic GAG Acid | GGU GGC GGA GGG | U C A G | |



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