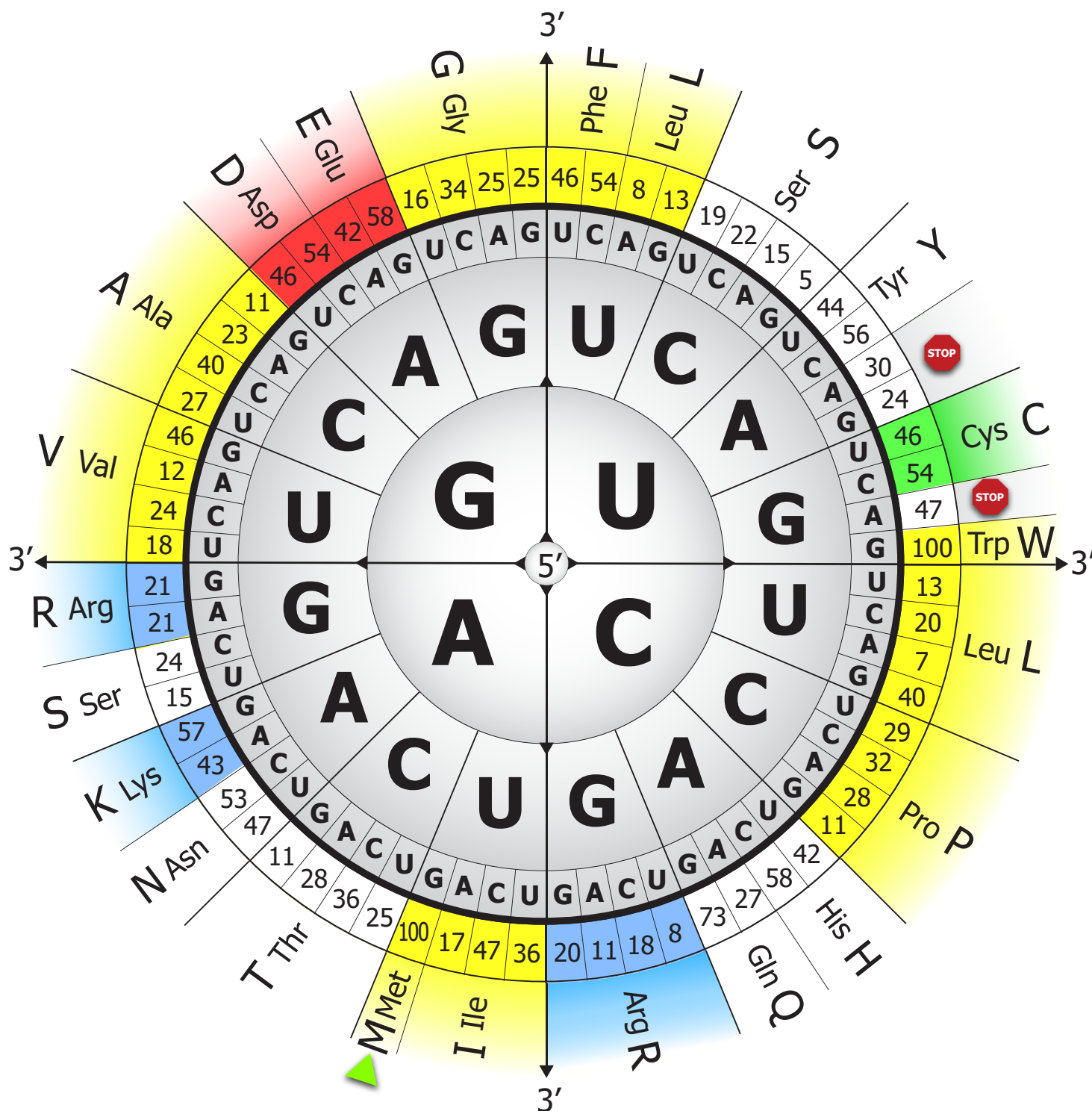


The Genetic Codon Circle®



Amino Acid Properties

- ▶ Translation Start Codon
- STOP Translation Stop Codon
- Hydrophilic / Polar
- Negative Charge
- Hydrophobic / Non-polar
- Positive Charge
- Cysteine

The Genetic Codon Chart®

	U				C				A				G			
	U	C	A	G	U	C	A	G	U	C	A	G	U	C	A	G
U	UUU → Phe F	UUC → Phe F	UUA → Leu L	UUG → Leu L	UCU → Ser S	UCC → Ser S	UCA → Ser S	UCG → Ser S	UAU → Tyr Y	UAC → Tyr Y	UAA → Stop	UAG → Stop	UGU → Cys C	UGC → Cys C	UGA → Stop	UGG → Trp W
	CUU → Leu L	CUC → Leu L	CUA → Leu L	CUG → Leu L	CCU → Pro P	CCC → Pro P	CCA → Pro P	CCG → Pro P	CAU → His H	CAC → His H	CAA → Gln Q	CAG → Gln Q	CGU → Arg R	CGC → Arg R	CGA → Arg R	CGG → Arg R
	AUU → Ile I	AUC → Ile I	AUA → Ile I	AUG → Met M	ACU → Thr T	ACC → Thr T	ACA → Thr T	ACG → Thr T	AAU → Asn N	AAC → Asn N	AAA → Lys K	AAG → Lys K	AGU → Ser S	AGC → Ser S	AGA → Arg R	AGG → Arg R
	GUU → Val V	GUC → Val V	GUA → Val V	GUG → Val V	GCU → Ala A	GCC → Ala A	GCA → Ala A	GCG → Ala A	GAU → Asp D	GAC → Asp D	GAA → Glu E	GAG → Glu E	GGU → Gly G	GGC → Gly G	GGA → Gly G	GGG → Gly G
C																
A																
G																

Amino Acid Properties



Translation Start Codon



Translation Stop Codon



Hydrophobic / Non-polar



Negative Charge



Cysteine



Hydrophilic / Polar



Positive Charge



...where molecules become real™
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