Standard Code · RNA codon chart · black and white

Read codons 5′ to 3′. NCBI translation table 1. CodonChart.com

SECOND BASE

1st base	U			C			A			G			3rd base
U	**UUU**	Phe	F	**UCU**	Ser	S	**UAU**	Tyr	Y	**UGU**	Cys	C	U
	UUC	Phe	F	**UCC**	Ser	S	**UAC**	Tyr	Y	**UGC**	Cys	C	C
	UUA	Leu	L	**UCA**	Ser	S	**UAA**	Stop	*	**UGA**	Stop	*	A
	UUG	Leu	L	**UCG**	Ser	S	**UAG**	Stop	*	**UGG**	Trp	W	G
C	**CUU**	Leu	L	**CCU**	Pro	P	**CAU**	His	H	**CGU**	Arg	R	U
	CUC	Leu	L	**CCC**	Pro	P	**CAC**	His	H	**CGC**	Arg	R	C
	CUA	Leu	L	**CCA**	Pro	P	**CAA**	Gln	Q	**CGA**	Arg	R	A
	CUG	Leu	L	**CCG**	Pro	P	**CAG**	Gln	Q	**CGG**	Arg	R	G
A	**AUU**	Ile	I	**ACU**	Thr	T	**AAU**	Asn	N	**AGU**	Ser	S	U
	AUC	Ile	I	**ACC**	Thr	T	**AAC**	Asn	N	**AGC**	Ser	S	C
	AUA	Ile	I	**ACA**	Thr	T	**AAA**	Lys	K	**AGA**	Arg	R	A
	AUG	Met	M	**ACG**	Thr	T	**AAG**	Lys	K	**AGG**	Arg	R	G
G	**GUU**	Val	V	**GCU**	Ala	A	**GAU**	Asp	D	**GGU**	Gly	G	U
	GUC	Val	V	**GCC**	Ala	A	**GAC**	Asp	D	**GGC**	Gly	G	C
	GUA	Val	V	**GCA**	Ala	A	**GAA**	Glu	E	**GGA**	Gly	G	A
	GUG	Val	V	**GCG**	Ala	A	**GAG**	Glu	E	**GGG**	Gly	G	G

Each cell: codon · three-letter amino acid · one-letter code. Stop marks termination.

† Context-dependent assignment. Initiator use depends on the organism and coding-sequence context.