Standard Code · DNA codon chart · black and white

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

1st base	SECOND BASE T			SECOND BASE C			SECOND BASE A			SECOND BASE G			3rd base
T	**TTT**	Phe	F	**TCT**	Ser	S	**TAT**	Tyr	Y	**TGT**	Cys	C	T
	TTC	Phe	F	**TCC**	Ser	S	**TAC**	Tyr	Y	**TGC**	Cys	C	C
	TTA	Leu	L	**TCA**	Ser	S	**TAA**	Stop	*	**TGA**	Stop	*	A
	TTG	Leu	L	**TCG**	Ser	S	**TAG**	Stop	*	**TGG**	Trp	W	G
C	**CTT**	Leu	L	**CCT**	Pro	P	**CAT**	His	H	**CGT**	Arg	R	T
	CTC	Leu	L	**CCC**	Pro	P	**CAC**	His	H	**CGC**	Arg	R	C
	CTA	Leu	L	**CCA**	Pro	P	**CAA**	Gln	Q	**CGA**	Arg	R	A
	CTG	Leu	L	**CCG**	Pro	P	**CAG**	Gln	Q	**CGG**	Arg	R	G
A	**ATT**	Ile	I	**ACT**	Thr	T	**AAT**	Asn	N	**AGT**	Ser	S	T
	ATC	Ile	I	**ACC**	Thr	T	**AAC**	Asn	N	**AGC**	Ser	S	C
	ATA	Ile	I	**ACA**	Thr	T	**AAA**	Lys	K	**AGA**	Arg	R	A
	ATG	Met	M	**ACG**	Thr	T	**AAG**	Lys	K	**AGG**	Arg	R	G
G	**GTT**	Val	V	**GCT**	Ala	A	**GAT**	Asp	D	**GGT**	Gly	G	T
	GTC	Val	V	**GCC**	Ala	A	**GAC**	Asp	D	**GGC**	Gly	G	C
	GTA	Val	V	**GCA**	Ala	A	**GAA**	Glu	E	**GGA**	Gly	G	A
	GTG	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.