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G = ++
C = --
A = +-
U = -+

Arg, R

CGG	CGU	AGG	CGA	CGC	AGA
--- 111 SOU	--- 111 SOU	--- 111 SOU	--- 111 SOU	--- 111 SOU	--- 111 SOU
+++ 312 A	+++ 312 A	+++ 312 A	+++ 312 A	+++ 312 A	+++ 312 A
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

Ser, S

UCU	UCG	UCC	UCA	AGU	AGC
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

Leu, L

CUU	CUC	UUA	CUA	UUG (START)	CUG (START)
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

Ala, A

GCA	GCU	GCC	GCG
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---

Gly, G

GGU	GGA	GGG	GGC
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---

Pro, P

CCA	CCU	CCC	CCG
--+ 321 FOX	--- 111 SOU	--- 111 SOU	--+ 321 FOX
--- 111 SOU	--+ 321 FOX	--- 111 SOU	--+ 321 FOX

Val, V

GUU	GUG	GUC	GUA
+-- 132 FOE	+++ 312 A	+-- 132 FOE	+++ 312 A
+++ 000 SNK	+++ 000 SNK	++- 123 D	++- 123 D

Thr, T

ACU	ACG	ACC	ACA
+-- 132 FOE	+++ 312 A	+-- 132 FOE	+++ 312 A
--+ 321 FOX	--+ 321 FOX	--- 111 SOU	--- 111 SOU

START

AUG (MET)	CUG (LEU)	UUG (LEU)
+++ 312 A	--+ 321 FOX	--+ 321 FOX
--+ 231 FI	--+ 231 FI	+++ 000 SNK

STOP

UAA	UGA	UAG
--+ 231 FI	--+ 231 FI	--+ 231 FI
+-- 132 FOE	++- 123 D	+++ 312 A

Ile, I

AUU	AUC	AUA
+-- 132 FOE	+-- 132 FOE	+++ 312 A
--+ 231 FI	-- 213 L	-- 213 L

Asn, N

AAU	AAC
++- 123 D	++- 123 D
--- 321 FOX	--- 111 SOU

Asp, D

GAU	GAC
++- 123 D	++- 123 D
++- 312 A	+-+ 132 FOE

Cys, C

UGU	UGC
--- 213 L	--- 213 L
+++ 000 SNK	++- 123 D

Gln, Q

CAA	CAG
++- 231 FI	++- 231 FI
--- 111 SOU	--- 321 FOX

Glu, E

GAA	GAG
+++ 000 SNK	+++ 000 SNK
+-+ 132 FOE	++- 312 A

His, H

CAU	CAC
--- 213 L	--- 213 L
--- 321 FOX	--- 111 SOU

Tyr, Y

UAU

UAC

-- 213 L

-- 213 L

++ 312 A

++ 132 FOE

Lys, K

AAA

AAG

+++ 000 SNK

+++ 000 SNK

--- 111 SOU

--- 321 FOX

Phe, F

UUU

UUC

--- 111 SOU

--- 111 SOU

+++ 000 SNK

++ 123 D

Met, M

AUG (START)

++ 312 A

++ 231 FI

Trp, W

UGG

++ 231 FI

+++ 000 SNK