

**Table 5.** Conversion of numerical codon sequence into amino acid sequence and vice-versa

Numerical Codon Sequences	Corresponding Amino Sequences
142343311141334	CRICK
431424243144312332	DARWIN
433312332122324434313331	EINSTEIN
221131244422314313431	PYRAMID
144423321434242	WATER
433423241323231	EARTH
424314433244313141423331	AMERICAN
314424313432433331231423312344	MAIDENHAIR
141244423131111312124231	CRAYFISH
144423321434244321421331442433243313332433111244131	WATERTANGERINEFRY

  

The Randomly Generated Numerical Codon Sequences of Up to Length: 99	Corresponding Amino Acid Sequences
314234241112241122214421123412142423124342442441142112423424411132124423224124334433133	MQRFRSLASVCASSGGCFAAVYSAPSKEK
314121222221421224234214434212411221324323124114241234144132121412242334312113221222432111132243134	MSPPAPQLELVPTTSLRQWYSVRKILPPDFYRZ
31411112144421243442114434232214244423213243312211441222423343444212243132244221413143	MFSGLEAWSTCGHYESLVPARGLYRPVJ

  

Amino Acid Sequences	Corresponding Numerical Codon Sequences
<b>The Count of all Possible Codon Sequences for the following Amino Sequence: 221,184</b>	<b>Only the First 6 Codon Sequences Generated</b>
SDSYDPCTGL	342432342132432223142323443213
SDSYDPCTGL	341432342132432223142323443213
SDSYDPCTGL	123432342132432223142323443213
SDSYDPCTGL	122432342132432223142323443213
SDSYDPCTGL	124432342132432223142323443213
SDSYDPCTGL	121432342132432223142323443213
<b>The Count of all Possible Codon Sequences for the following Amino Sequence: 1.5912087619658678e+41</b>	<b>Only the First 6 Codon Sequences Generated</b>
SDSYDPCTGLLQKSPQCCNTDILGVANLDCHGPPSVPTSPSQFOASCVADGGRSARCCTLSLLGLALVCTDPVGI	342432342132432223142323443213213233333342223233142142332323432313213443413423332213432142232443223223342413223323342223342233112233423342142413423432443443343342423343142142323213342213213443213423213413142323432223413443313
SDSYDPCTGLLQKSPQCCNTDILGVANLDCHGPPSVPTSPSQFOASCVADGGRSARCCTLSLLGLALVCTDPVGI	341432342132432223142323443213213233333342223233142142332323432313213443413423332213432142232443223223342413223323342223342233112233423342142413423432443443343342423343142142323213342213213443213423213413142323432223413443313
SDSYDPCTGLLQKSPQCCNTDILGVANLDCHGPPSVPTSPSQFOASCVADGGRSARCCTLSLLGLALVCTDPVGI	123432342132432223142323443213213233333342223233142142332323432313213443413423332213432142232443223223342413223323342223342233112233423342142413423432443443343342423343142142323213342213213443213423213413142323432223413443313
SDSYDPCTGLLQKSPQCCNTDILGVANLDCHGPPSVPTSPSQFOASCVADGGRSARCCTLSLLGLALVCTDPVGI	122432342132432223142323443213213233333342223233142142332323432313213443413423332213432142232443223223342413223323342223342233112233423342142413423432443443343342423343142142323213342213213443213423213413142323432223413443313
SDSYDPCTGLLQKSPQCCNTDILGVANLDCHGPPSVPTSPSQFOASCVADGGRSARCCTLSLLGLALVCTDPVGI	124432342132432223142323443213213233333342223233142142332323432313213443413423332213432142232443223223342413223323342223342233112233423342142413423432443443343342423343142142323213342213213443213423213413142323432223413443313
SDSYDPCTGLLQKSPQCCNTDILGVANLDCHGPPSVPTSPSQFOASCVADGGRSARCCTLSLLGLALVCTDPVGI	121432342132432223142323443213213233333342223233142142332323432313213443413423332213432142232443223223342413223323342223342233112233423342142413423432443443343342423343142142323213342213213443213423213413142323432223413443313

<b>The Count of all Possible Codon Sequences for the following Amino Sequence: 3,538,944</b>		<b>Only the First 4 Codon Sequences Generated</b>	
DPCTGLLGLAV		432223142323443213213443213423413	
DPCTGLLGLAV		431223142323443213213443213423413	
DPCTGLLGLAV		432222142323443213213443213423413	
DPCTGLLGLAV		431222142323443213213443213423413	
<b>DNA Codon Sequences</b>		<b>The Corresponding Numerical Codon Sequences</b>	
TGCAGAATTTGTAAG		142343311141334	
GATGCGCGATGGATCAAC		431424243144312332	
GAAATCAACTCCACGGAGATAAAT		433312332122324434313331	
CCTTATCGGGCCATGATAGAT		221131244422314313431	
TGGGCAACTGAGCGC		144423321434242	
GAAGCACGTACACAT		433423241323231	
GCGATGGAACGGATATGTGCAAT		424314433244313141423331	
ATGGCGATAGACGAAATCATGCAATCAGG		314424313432433331231423312344	
TGTCGGGCATATTTTATCTCGCAT		141244423131111312124231	
TGGGCAACTGAGCGGACTGCTAATGGCGAACGAATAACGAATTCGGTAT		144423321434244321421331442433243313332433111244131	