The Kodonian Project

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Welcome

> **ⓘ Purpose & Goal**
>
> The Kodonian Project seeks to demonstrate that the Universal Genetic Code contains an embedded signal—an intentional, structured message—suggesting a deeper informational or even extraterrestrial origin behind the blueprint of life on Earth.

Preface

here we go...

```r
1 + 1
```

```
[1] 2
```

FAQ

Find here answers to common questions around the topic of our Genetic Code Signal research.

ℹ Are we serious?

Yes

ℹ Who is the main contributor of this project?

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ℹ Has research in this area been conducted elsewhere?

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hendrerit, non laoreet ipsum lacinia. Curabitur cursus diam elit, non tempus ante volutpat a. Quisque hendrerit blandit purus non fringilla. Integer sit amet elit viverra ante dapibus semper. Vestibulum viverra rutrum enim, at luctus enim posuere eu. Orci varius natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

ℹ What are the strongest arguments *for* a signal in the Genetic Code?

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ℹ What are the strongest arguments *against* a signal in the Genetic Code?

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> **ℹ Evolution did it, didn't it?**
>
> Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis sagittis posuere ligula sit amet lacinia. Duis dignissim pellentesque magna, rhoncus congue sapien finibus mollis. Ut eu sem laoreet, vehicula ipsum in, convallis erat. Vestibulum magna sem, blandit pulvinar augue sit amet, auctor malesuada sapien. Nullam faucibus leo eget eros hendrerit, non laoreet ipsum lacinia. Curabitur cursus diam elit, non tempus ante volutpat a. Quisque hendrerit blandit purus non fringilla. Integer sit amet elit viverra ante dapibus semper. Vestibulum viverra rutrum enim, at luctus enim posuere eu. Orci varius natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

1 Demo Site

1.1 MathJax - mhchem

1.2 R

```
1+1
```

1.3 Python

Quarto enables you to weave together content and executable code into a finished document. To learn more about Quarto see https://quarto.org.

```
db_table(
  'SELECT name, symbol3, symbol1, nuclsum_b, nuclsum_s, nuclsum_t FROM amino_acids ORDER BY nu
  headers=['Name', 'Short Name', 'Symbol', 'Block Sum', 'Side Chain Sum', 'Total Sum'])
```

Name	Short Name	Symbol	Block Sum	Side Chain Sum	Total Sum
STOP	Stop	*	0	0	0
Glycine	Gly	G	74	1	75
Alanine	Ala	A	74	15	89
Serine	Ser	S	74	31	105
Proline	Pro	P	74	41	115
Valine	Val	V	74	43	117
Threonine	Thr	T	74	45	119
Cysteine	Cys	C	74	47	121
Leucine	Leu	L	74	57	131
Isoleucine	Ile	I	74	57	131
Asparagine	Asn	N	74	58	132

Name	Short Name	Symbol	Block Sum	Side Chain Sum	Total Sum
Aspartic Acid	Asp	D	74	59	133
Lysine	Lys	K	74	72	146
Glutamine	Gln	Q	74	72	146
Glutamic Acid	Glu	E	74	73	147
Methionine/START	Met	M	74	75	149
Histidine	His	H	74	81	155
Phenylalanine	Phe	F	74	91	165
Arginine	Arg	R	74	100	174
Tyrosine	Tyr	Y	74	107	181
Tryptophane	Trp	W	74	130	204

ℹ Expand for a list of Genetic Code variants

Source

Id	Species
GC01	Standard Code
GC02	Vertebrate Mitochondrial Code
GC03	Yeast Mitochondrial Code
GC04	Mold, Protozoan, Coelenterate Mitochondrial Code
GC05	Invertebrate Mitochondrial Code
GC06	Ciliate, Dasycladacean and Hexamita Nuclear Code
GC07	Deleted Kinetoplast Code
GC09	Echinoderm and Flatworm Mitochondrial Code
GC10	Euplotid Nuclear Code
GC11	Bacterial, Archaeal and Plant Plastid Code
GC12	Alternative Yeast Nuclear Code
GC13	Ascidian Mitochondrial Code
GC14	Alternative Flatworm Mitochondrial Code
GC15	Blepharisma Nuclear Code
GC16	Chlorophycean Mitochondrial Code
GC21	Trematode Mitochondrial Code
GC22	Scenedesmus Obliquus Mitochondrial Code
GC23	Thraustochytrium Mitochondrial Code
GC24	Pterobranchia Mitochondrial Code
GC25	Candidate Division SR1 and Gracilibacteria Code
GC26	Pachysolen Tannophilus Nuclear Code

Codon Totals					
GG Gly **75**	GA Asp Glu **280**	AG Ser Arg **279**	AA Asn Lys **278**	**1517**
GC Ala **89**	GT Val **117**	AC Thr **119**	AT Ile Met **280**	41 x 37
CG Arg **174**	CA His Gln **301**	TG Cys Stop Trp **325**	TA Tyr Stop **181**	**1628**
CC Pro **115**	CT Leu **131**	TC Ser **105**	TT Phe Leu **296**	44 x 37
925 25 x 37			**2220** 60 x 37	**3145** 85 x 37

Figure 1.1: Matrix

12

GC27   Karyorelict Nuclear Code
GC28   Condylostoma Nuclear Code
GC29   Mesodinium Nuclear Code
GC30   Peritrich Nuclear Code
GC31   Blastocrithidia Nuclear Code
GC32   Balanophoraceae Plastid Code
GC33   Cephalodiscidae Mitochondrial Code
GC34   Enterosoma Code
GC35   Peptacetobacter Code
GC36   Anaerococcus and Onthovivens Code
GC37   Absconditabacterales Code

Codon	Amino Acids	Nucleon BL	Nucleon SC	Nucleon Total
AA	N, K	74	58	132
AC	T	74	45	119
AG	S, R	74	31	105
AT	I, M	74	57	131
CA	H, Q	74	81	155
CC	P	74	41	115
CG	R	74	100	174
CT	L	74	57	131
GA	D, E	74	59	133
GC	A	74	15	89
GG	G	74	1	75
GT	V	74	43	117
TA	Y, *	74	107	181
TC	S	74	31	105
TG	C, *, W	74	47	121
TT	F, L	74	91	165

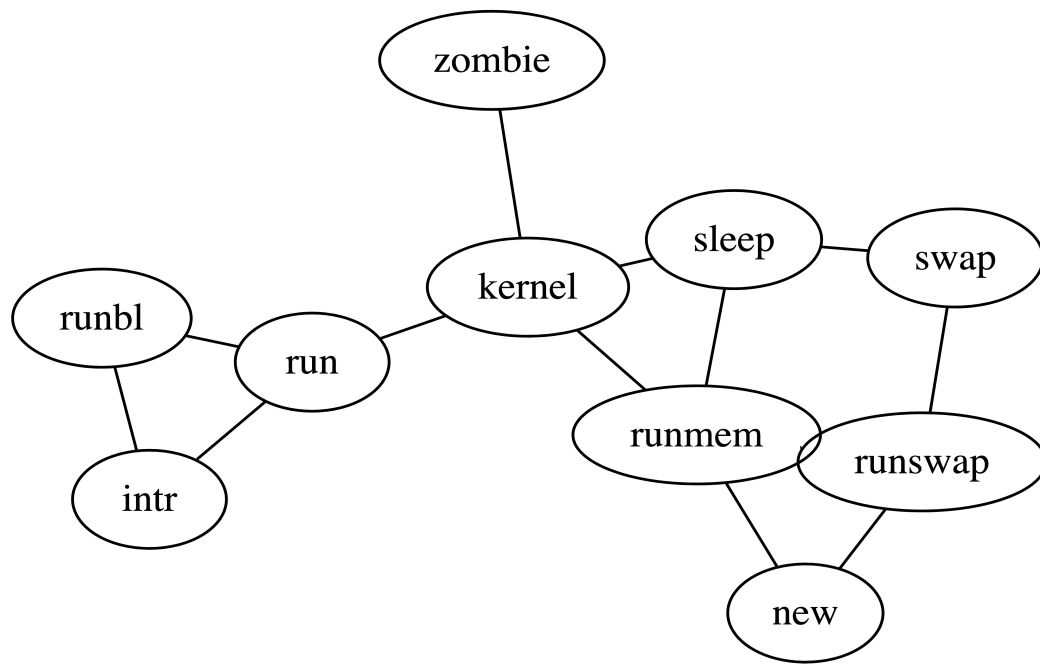Table 1.3: Codon assignments for the Standard Code, contracted by the first two nucleotide bases.

1.4 Running Code

When you click the **Render** button a document will be generated that includes both content and the output of embedded code. You can embed code like this:
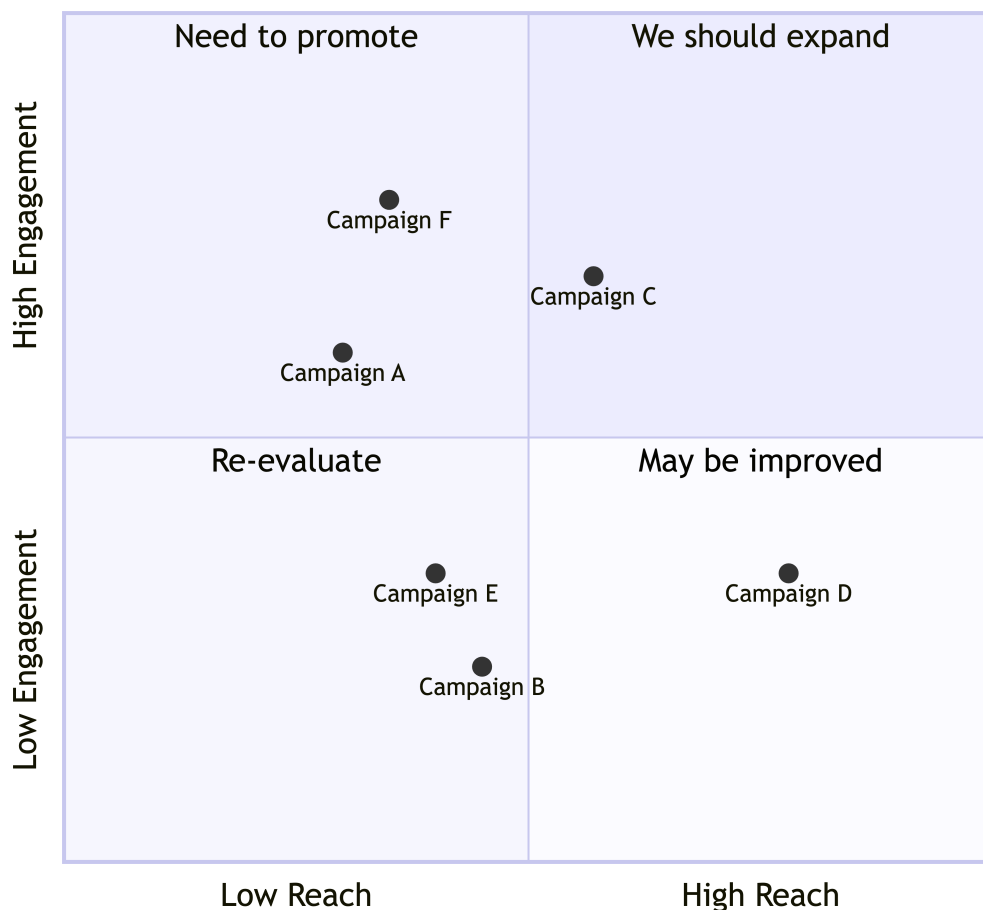
1.5 ASCII Table

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0								•						♪		
1			‼	¶	§				↑	↓	→	←				
2		!	"	#	$	%	&	'	(	)	*	+	,	-	.	/
3	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
4	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
5	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
6	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
7	p	q	r	s	t	u	v	w	x	y	z	{	|	}	~	
8	Ç	ü	é	â	ä	à	å	ç	ê	ë	è	ï	î	ì	Ä	Å
9	É	æ	Æ	ô	ö	ò	û	ù	ÿ	Ö	Ü	¢	£	¥		f
A	á	í	ó	ú	ñ	Ñ	ª	º	¿		¬	½	¼	¡	«	»
B																
C																
D																
E		ß	Γ		Σ		µ		Φ	Θ	Ω		∞			
F		±					÷		°				√		²	
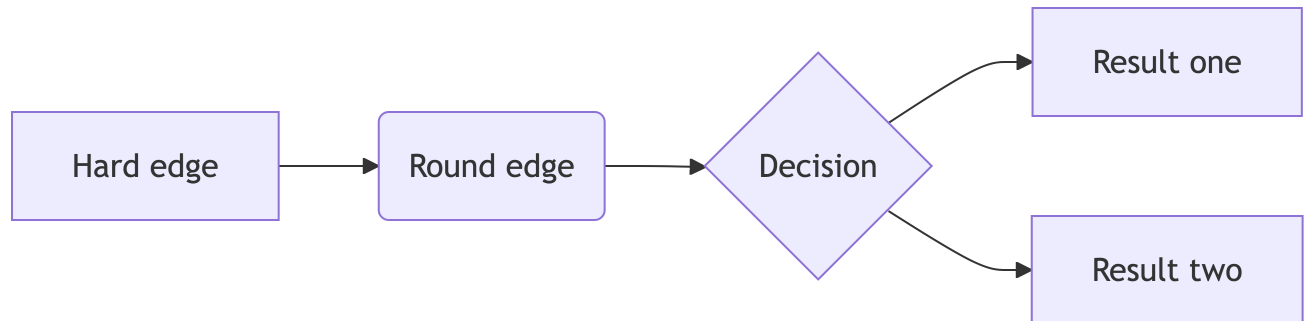
A full width figure.

Reach and engagement of campaigns

Need to promote	We should expand
● Campaign F	
	● Campaign C
● Campaign A	
Re-evaluate	**May be improved**
● Campaign E	● Campaign D
● Campaign B	

(High Engagement / Low Engagement — Low Reach / High Reach)

$$\begin{bmatrix} G & A \\ C & T \end{bmatrix} \otimes \begin{bmatrix} G & A \\ C & T \end{bmatrix} = \begin{bmatrix} GG & GA & AG & AA \\ GC & GT & AC & AT \\ CG & CA & TG & TA \\ CC & CT & TC & TT \end{bmatrix}$$

1.6 2D Molecule

As outlined by Crick and Orgel ([1973](#)), pp. 16-18, we find this below. Also by referencing this, we end up there[1], as outlined in Figure 1.2. Also refer to Figure 1.1 for more details.

This is a span that has the class aside which places it in the margin, without a footnote number.

Crick, F. H. C., and L. E. Orgel. 1973. "Directed Panspermia." *Icarus* 19 (3): 341–46. https://doi.org/10.1016/0019-1035(73)90110-3.

[1] Here is the footnote.
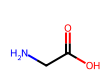
Figure 1.3

Glycine

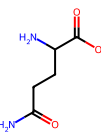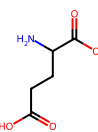Alanine

Serine
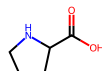
Proline
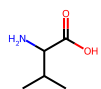
Valine

Threonine

Cysteine
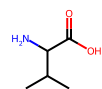
Leucine
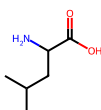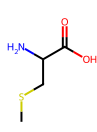
Isoleucine

Asparagine

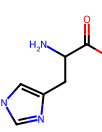Aspartic Acid
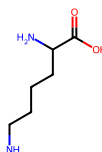
Lysine

Glutamine
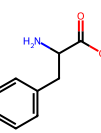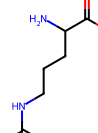
Glutamic Acid

Methionine/START

Histidine

Phenylalanine

Arginine

Tyrosine

Tryptophane

1.6.1 References

1.6.2 Supplementary Material

A hello

B Appendix 1

here we go...

```
1 + 1
```

```
[1] 2
```