The Kodonian Project

Christoph Kovacs

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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...

```
1 + 1
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[1] 2
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FAQ

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

Are we serious?

Yes

Who is the main contributor of this project?

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Has research in this area been conducted elsewhere?

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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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Evolution did it, didn't it?

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1 Demo Site

1.1 MathJax - mhchem

1.2 R

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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

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 41 x 37
GC Ala 89	GT Val 117	AC Thr 119	AT Ile Met 280	
CG Arg 174	CA His Gln 301	TG Cys Stop Trp 325	TA Tyr Stop 181	1628 44 x 37
CC Pro 115	CT Leu 131	TC Ser 105	TT Phe Leu 296	
925 25 x 37			2220 60 x 37	3145 85 x 37

Figure 1.1: Matrix

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

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

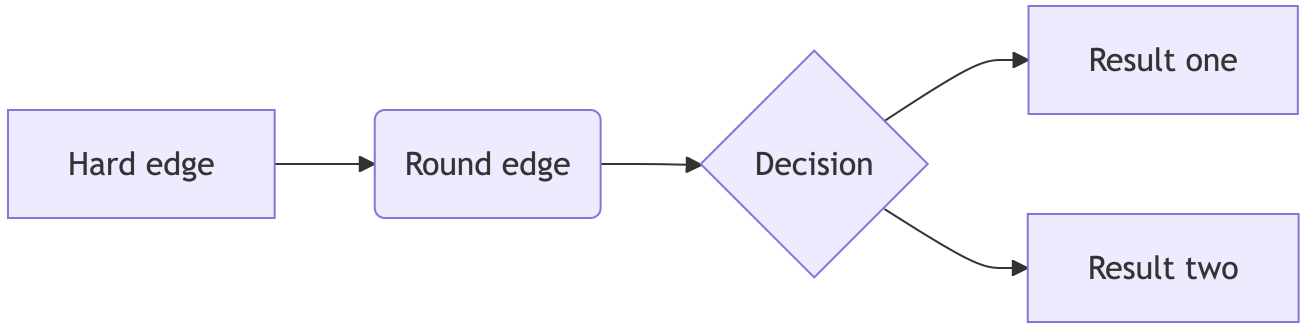
Codon	Amino Acids	Nucleon BL	Nucleon SC	Nucleon Total
AA	N, K	74	58	132
AC	T	74	45	119
AG	S, R	74	31	105
AT	I, M	74	57	131
CA	H, Q	74	81	155
CC	P	74	41	115
CG	R	74	100	174
CT	L	74	57	131
GA	D, E	74	59	133
GC	A	74	15	89
GG	G	74	1	75
GT	V	74	43	117
TA	Y, *	74	107	181
TC	S	74	31	105
TG	C, *, W	74	47	121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

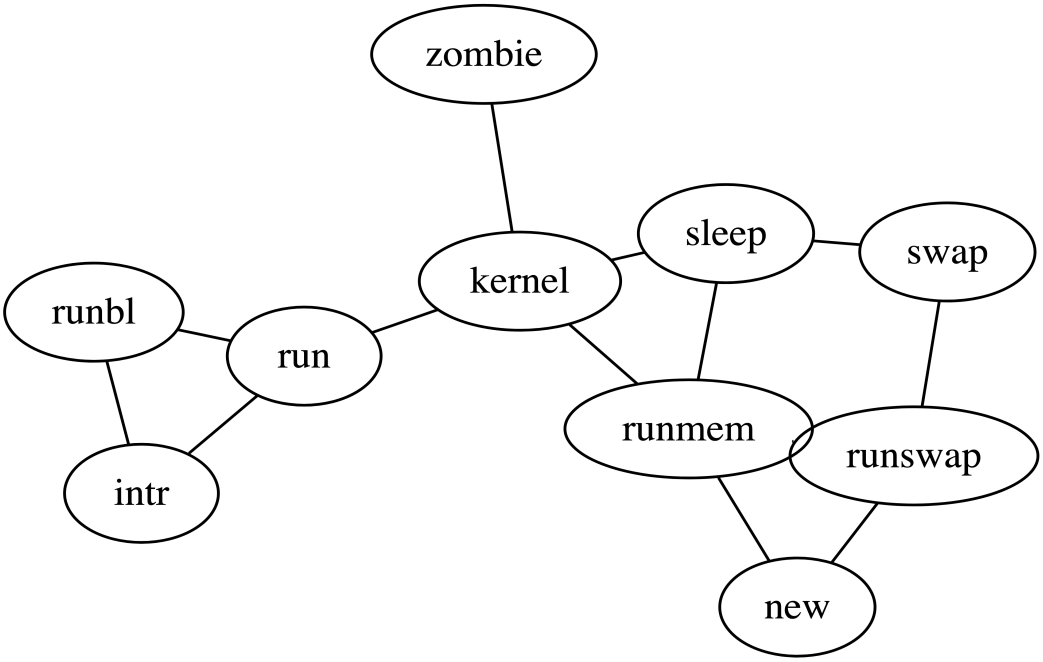
1.4 Running Code

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:

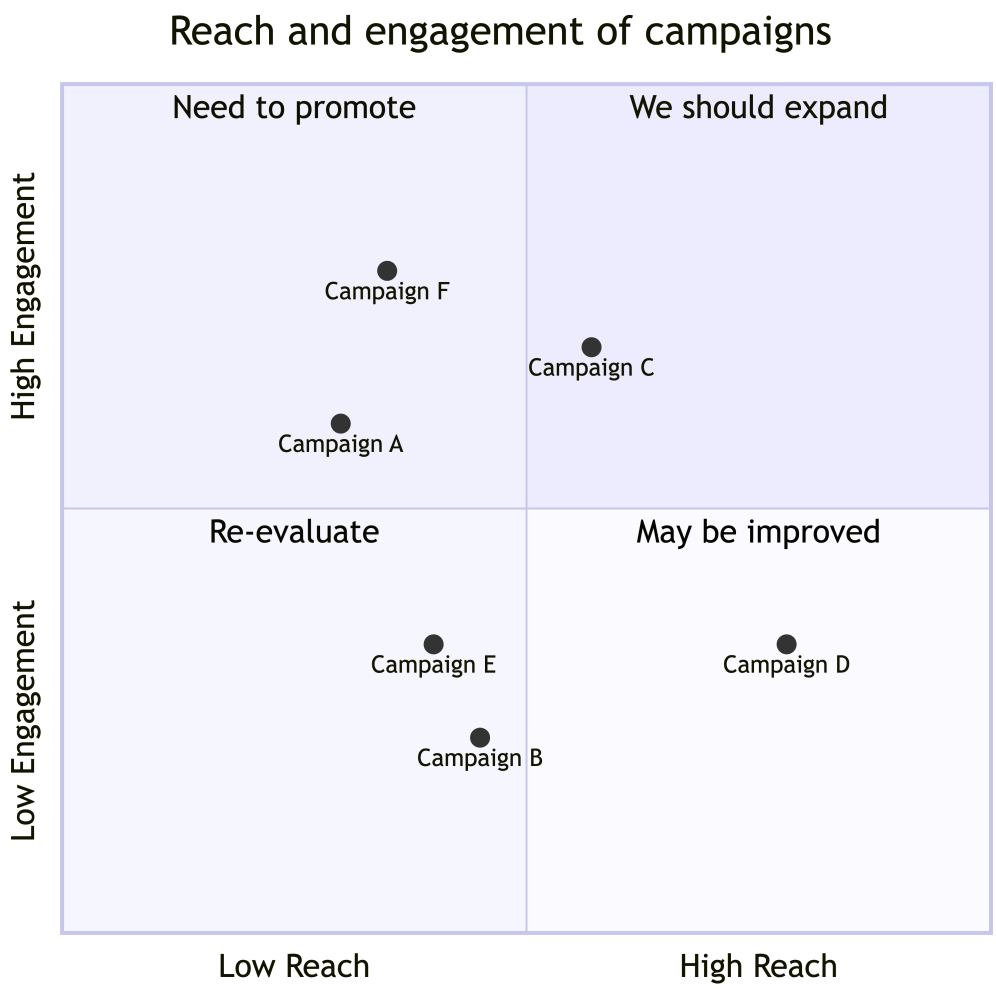
1.5 ASCII Table

	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.



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

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.

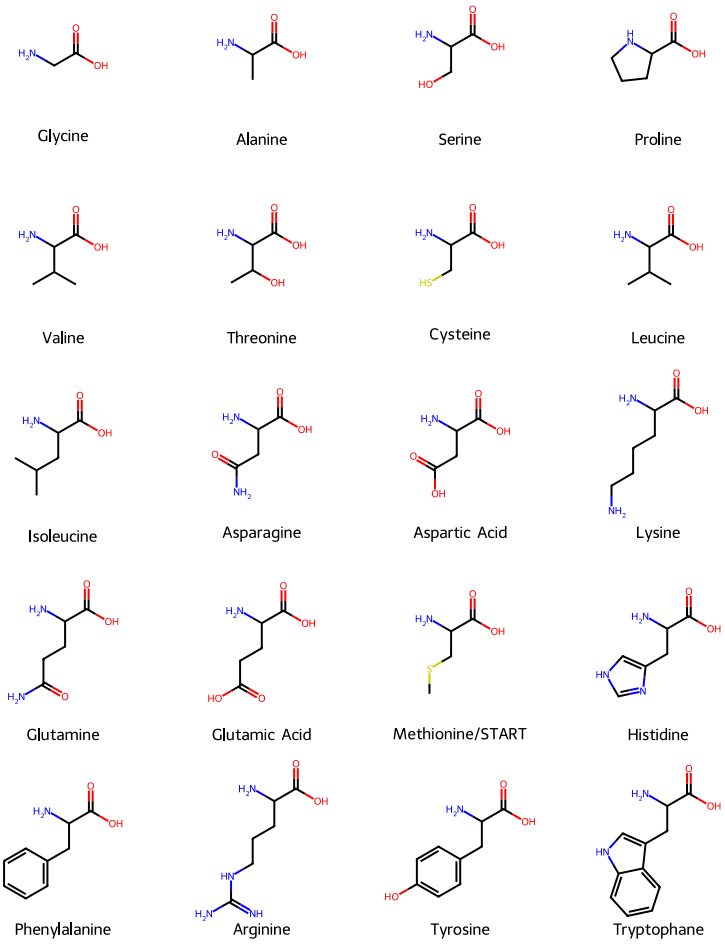

Glycine
Alanine
Serine
Proline
Valine
Threonine
Cysteine
Leucine
Isoleucine
Asparagine
Aspartic Acid
Lysine
Glutamine
Glutamic Acid
Methionine/START
Histidine
Phenylalanine
Arginine
Tyrosine
Tryptophane

Figure 1.3

1.6.1 References

1.6.2 Supplementary Material

A hello world

B Appendix 1

here we go...

```
1 + 1
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```
[1] 2
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