SUPPLEMENTARY MATERIAL

Common English complexities

- **Hyphenated compound words**

Table 2: Tokenizers output for sentence (1)

Tokenizer	Output
1, 2, 3, 4, 6, 7, 8, 9, 10, 11	Normal‸chest‸**x-ray**‸.
5	Normal‸chest‸**x‸-‸ray**‸.
12	Normal‸chest‸**x-‸ray**.

Table 3: Tokenizers output for sentence (2)

Tokenizer	Output
1, 2, 6, 8, 9, 11, 12	**2-year**‸**2-month**‸old‸female‸with‸pneumonia‸.
3, 4, 5, 7	**2‸-‸year**‸**2‸-‸month**‸old‸female‸with‸pneumonia‸.
10	**2‸-‸year**‸2-month‸old‸female‸with‸pneumonia‸.

Table 4: Tokenizers output for sentence (3)

Tokenizer	Output
1, 2, 4, 6, 8, 9, 10, 11, 12	This‸may‸occur‸through‸the‸ability‸of‸**IL-10**‸to‸induce‸expression‸of‸the‸gene‸.‸
5, 7	This‸may‸occur‸through‸the‸ability‸of‸**IL‸-‸10**‸to‸induce‸expression‸of‸the‸gene‸.‸
3	This‸may‸occur‸through‸the‸ability‸of‸**IL-‸10**‸to‸induce‸expression‸of‸the‸gene‸.‸

- **Words with letters and slashes**

Table 5: Tokenizers output for sentence (4)

Tokenizer	Output
2, 6, 8, 9, 11, 12	The‸maximal‸effect‸is‸observed‸at‸the‸IL-10‸concentration‸of‸20‸**U/ml**‸.
3, 5, 7	The‸maximal‸effect‸is‸observed‸at‸the‸IL‸-‸10‸concentration‸of‸20‸**U‸/‸ml**‸.
1, 4, 10	The‸maximal‸effect‸is‸observed‸at‸the‸IL-10‸concentration‸of‸20‸**U‸/‸ml.**

Table 6: Tokenizers output for sentence (5)

Tokenizer	Output
1, 2, 6, 8, 9, 11, 12	These‸results‸indicate‸that‸within‸the‸**TCR/CD3**‸signal‸transduction‸pathway‸both‸PKC‸and‸calcineurin‸are‸required‸for‸the‸effective‸activation‸of‸the‸IKK‸complex‸and‸NF-kappaB‸in‸T‸lymphocytes‸.
3, 4, 5, 7, 10	These‸results‸indicate‸that‸within‸the‸**TCR‸/‸CD3**‸signal‸transduction‸pathway‸both‸PKC‸and‸calcineurin‸are‸required‸for‸the‸effective‸activation‸of‸the‸IKK‸complex‸and‸NF‸-‸kappaB‸in‸T‸lymphocytes‸.

- **Words with letters and apostrophes**

Table 7: Tokenizers output for sentence (6)

Tokenizer	Output
1, 2, 4, 8, 9, 10, 11, 12	The‸false‸positive‸rate‸of‸our‸predictor‸was‸estimated‸by‸the‸method‸of‸**D'Haeseleer**‸and‸Church‸1855‸and‸used‸to‸compare‸it‸to‸other‸prediction‸datasets‸.
3, 5, 6, 7	The‸false‸positive‸rate‸of‸our‸predictor‸was‸estimated‸by‸the‸method‸of‸**D‸'‸Haeseleer**‸and‸Church‸1855‸and‸used‸to‸compare‸it‸to‸other‸prediction‸datasets‸.

Table 8: Tokenizers output for sentence (7)

Tokenizer	Output
1, 2, 4, 6, 8, 9, 10, 11, 12	Small‸,‸scarred‸right‸kidney‸,‸below‸more‸than‸2‸standard‸deviations‸in‸size‸for‸**patient‸'s‸age**‸.
3, 5, 7	Small‸,‸scarred‸right‸kidney‸,‸below‸more‸than‸2‸standard‸deviations‸in‸size‸for‸**patient‸'‸s**‸age‸.

- **Words with letters and brackets**

Table 9: Tokenizers output for sentence (8)

Tokenizer	Output
1, 2, 5, 7, 8, 11, 12	Of‸these‸,‸Diap1‸has‸been‸most‸extensively‸characterized‸;‸it‸can‸block‸cell‸death‸caused‸by‸the‸ectopic‸expression‸of‸reaper‸,‸hid‸,‸and‸grim‸**(**‸reviewed‸in‸**[**‸26‸**]**‸**)**‸.
6	Of‸these‸,‸Diap1‸has‸been‸most‸extensively‸characterized‸;‸it‸can‸block‸cell‸death‸caused‸by‸the‸ectopic‸expression‸of‸reaper‸,‸hid‸,‸and‸grim‸**(**‸reviewed‸in‸**[26**‸]‸)‸.

9	Of‸these‸,‸Diap1‸has‸been‸most‸extensively‸characterized‸;‸it‸can‸block‸cell‸death‸caused‸by‸the‸ectopic‸expression‸of‸reaper‸,‸hid‸,‸and‸grim‸ **(**‸reviewed‸in‸**[26**]‸)‸.
4	Of‸these‸,‸Diap1‸has‸been‸most‸extensively‸characterized‸;‸it‸can‸block‸cell‸death‸caused‸by‸the‸ectopic‸expression‸of‸reaper‸,‸hid‸,‸and‸grim‸**(**‸reviewed‸in‸**[26**])‸.
10	Of‸these‸,‸Diap1‸has‸been‸most‸extensively‸**characteriz**‸**ed**‸;‸it‸can‸block‸cell‸death‸caused‸by‸the‸ectopic‸expression‸of‸reaper‸,‸hid‸,‸and‸grim‸(‸reviewed‸in‸[‸26‸]‸)‸.
3	Of‸these‸,‸**Diap**‸**1**‸has‸been‸most‸extensively‸characterized‸;‸it‸can‸block‸cell‸death‸caused‸by‸the‸ectopic‸expression‸of‸reaper‸,‸hid‸,‸and‸grim‸(‸reviewed‸in‸[‸26‸]‸)‸.

- **Abbreviations in capital letters and acronyms**

Table 10: Tokenizers output for sentence (9)

Tokenizer	Output
4, 6, 8, 11	Mutants‸in‸Toll‸signaling‸pathway‸were‸obtained‸from‸**Dr.**‸S.‸Govind‸:‸cactE8‸,‸cactIIIG‸,‸and‸cactD13‸mutations‸in‸the‸cact‸gene‸on‸Chromosome‸II‸.
9	Mutants‸in‸Toll‸signaling‸pathway‸were‸obtained‸from‸Dr.‸S.‸Govind‸:‸**cactE8,cactIIIG**‸,‸and‸cactD13‸mutations‸in‸the‸cact‸gene‸on‸Chromosome‸II‸.
2, 5, 7	Mutants‸in‸Toll‸signaling‸pathway‸were‸obtained‸from‸**Dr**‸**.**‸**S**‸**.**‸Govind‸:‸cactE8‸,‸cactIIIG‸,‸and‸cactD13‸mutations‸in‸the‸cact‸gene‸on‸Chromosome‸II‸.
1	Mutants‸in‸Toll‸signaling‸pathway‸were‸obtained‸from‸**Dr._S._Govind**‸:‸**cactE8,cactIIIG**‸,‸and‸cactD13‸mutations‸in‸the‸cact‸gene‸on‸**Chromosome_II**‸.
10	Mutants‸in‸Toll‸signaling‸pathway‸were‸**obt**‸**ained**‸from‸**Dr**‸**.**‸S.‸Govind‸:‸cactE8‸**,cactIIIG**‸,‸and‸cactD13‸mutations‸in‸the‸cact‸gene‸on‸Chromosome‸II‸.
3	Mutants‸in‸Toll‸signaling‸pathway‸were‸obtained‸from‸**Dr**‸**.**‸**S**‸**.**‸Govind‸:‸**cactE**‸**8**‸,‸cactIIIG‸,‸and‸**cactD**‸**13**‸mutations‸in‸the‸cact‸gene‸on‸Chromosome‸II‸.
12	Mutants‸in‸Toll‸signaling‸pathway‸were‸obtained‸from‸Dr.‸S.‸Govind‸:‸**cactE8,cactIIIG**‸,‸and‸cactD13‸mutations‸in‸the‸cact‸gene‸on‸Chromosome‸**II.**

Table 11: Tokenizers output for sentence (10)

Tokenizer	Output
2, 6, 8, 9, 12	The‸transcripts‸were‸detected‸in‸all‸the‸**CD4-**‸**CD8-**‸,‸**CD4+**‸**CD8+**‸,‸**CD4+**‸**CD8-**‸,‸and‸**CD4-**‸**CD8+**‸cell‸populations‸.
1, 3, 4, 7, 10, 11	The‸transcripts‸were‸detected‸in‸all‸the‸**CD4**‸**-**‸**CD8**‸**-**‸,‸**CD4**‸**+**‸**CD8**‸**+**‸,‸**CD4**‸**+**‸**CD8**‸**-**‸,‸and‸**CD4**‸**-**‸**CD8**‸**+**‸cell‸populations‸.
5	The‸transcripts‸were‸detected‸in‸all‸the‸**CD4-**‸**CD8**‸**-**‸,‸**CD4**‸**+**‸**CD8**‸**+**‸,‸**CD4**‸ **+**‸**CD8**‸**-**‸,‸and‸**CD4**‸**-**‸**CD8**‸**+**‸cell‸populations‸.

- **Words with letters and periods**

Table 12: Tokenizers output for sentence (11)

Tokenizer	Output
2, 8	Two‸stop‸codons‸of‸an‸iORF‸(‸**i.e**‸**.**‸the‸inframe‸and‸C-terminal‸stops‸)‸can‸be‸any‸combination‸of‸canonical‸stop‸codons‸(‸TAA‸,‸TAG‸,‸TGA‸)‸.
1, 6, 11, 12	Two‸stop‸codons‸of‸an‸iORF‸(‸**i.e.**‸the‸inframe‸and‸C-terminal‸stops‸)‸can‸be‸any‸combination‸of‸canonical‸stop‸codons‸(‸TAA‸,‸TAG‸,‸TGA‸)‸.
9	Two‸stop‸codons‸of‸an‸iORF‸(‸**i**‸**.e**‸**.**‸the‸inframe‸and‸C-terminal‸stops‸)‸can‸ be‸any‸combination‸of‸canonical‸stop‸codons‸(‸TAA‸,‸TAG‸,‸TGA‸)‸.
4, 7	Two‸stop‸codons‸of‸an‸iORF‸(‸**i**‸**.**‸**e**‸**.**‸the‸inframe‸and‸**C**‸**-**‸**terminal**‸stops‸)‸can‸be‸any‸combination‸of‸canonical‸stop‸codons‸(‸TAA‸,‸TAG‸,‸TGA‸)‸.
5	Two‸stop‸codons‸of‸an‸iORF‸(‸**i**‸**.**‸**e**‸**.**‸the‸inframe‸and‸**C-termina**l‸stops‸)‸can‸be‸any‸combination‸of‸canonical‸stop‸codons‸(‸TAA‸,‸TAG‸,‸ TGA‸)‸.
10	Two‸stop‸codons‸of‸an‸iORF‸(‸**i.e.**‸the‸inframe‸and‸**C**‸**-**‸**terminal**‸stops‸)‸can‸be‸any‸**comb**‸**i**‸**nation**‸of‸canonical‸stop‸codons‸(‸TAA‸,‸TAG‸,‸TGA‸)‸.

3	Two‸stop‸codons‸of‸an‸iORF‸(‸**i**‸**.**‸**e**‸.‸the‸inframe‸and‸**C-**‸**terminal**‸stops‸)‸can‸be‸any‸combination‸of‸canonical‸stop‸codons‸(‸TAA‸,‸TAG‸,‸TGA‸)‸.

- **Words with letters and numbers**

Table 13: Tokenizers output for sentence (12)

Tokenizer	Output
1, 2, 4, 5, 6, 7, 8, 9, 11, 12	Selenocysteine‸and‸pyrrolysine‸are‸the‸**21st**‸and‸**22nd**‸amino‸acids‸,‸which‸are‸genetically‸encoded‸by‸stop‸ codons‸.
10	Selenocysteine‸and‸pyrrolysine‸are‸the‸**21**‸**st**‸and‸22nd‸amino‸acids‸,‸which‸are‸genetically‸**enc**‸**oded**‸by‸stop‸codons‸.
3	Selenocysteine‸and‸pyrrolysine‸are‸the‸**21**‸**st**‸and‸**22**‸**nd**‸amino‸acids‸,‸which‸are‸genetically‸encoded‸by‸stop‸codons‸.

- **Words with numbers and one type of punctuation**

Table 14: Tokenizers output for sentence (13)

Tokenizer	Output
1, 5, 6, 8, 9, 10, 11, 12	A‸total‸of‸**26,003**‸iORF‸satisfied‸the‸above‸criteria‸.
2, 3, 4, 7	A‸total‸of‸**26**‸**,**‸**003**‸iORF‸satisfied ‸the‸above‸criteria‸.

Table 15: Tokenizers output for sentence (14)

Tokenizer	Output
1, 2, 6, 8, 9, 11, 12	The‸patient‸had‸prior‸**x-ray**‸on‸**1/2**‸which‸demonstrated‸no‸pneumonia‸.
4, 5, 7	The‸patient‸had‸prior‸**x**‸**-**‸**ray**‸on‸**1**‸**/**‸**2**‸which‸demonstrated‸no‸pneumonia‸.
3, 10	The‸patient‸had‸prior‸**x-ray**‸on‸**1**‸**/**‸**2**‸which‸demonstrated‸no‸pneumonia‸.

Table 16: Tokenizers output for sentence (15)

Tokenizer	Output
3, 4, 5, 6, 7, 8, 9, 10, 11,	Indeed‸,‸it‸has‸been‸estimated‸recently‸that‸the‸current‸yeast‸and‸human‸protein‸interaction‸maps‸are‸only‸**50**‸**%**‸and‸**10**‸**%**‸complete‸,‸respectively‸18‸.
1	Indeed‸,‸it‸has‸been‸estimated‸recently‸that‸the‸current‸yeast‸and‸human‸protein‸interaction‸maps‸are‸only‸**50_%**‸and‸**10_%**‸complete‸,‸respectively‸18‸.
12	Indeed‸,‸it‸has‸been‸estimated‸recently‸that‸the‸current‸yeast‸and‸human‸protein‸interaction‸maps‸are‸only‸50%‸and‸10%‸complete‸,‸respectively‸18‸.

Table 17: Tokenizers output for sentence (16)

Tokenizer	Output
1, 2, 4, 5, 6, 8, 9, 10, 11, 12	The‸dotted‸line‸indicates‸significance‸level‸**0.05**‸after‸a‸correction‸for‸multiple‸ testing‸.
3, 7	The‸dotted‸line‸indicates‸significance‸level‸**0**‸**.**‸**05**‸after‸a‸correction‸for‸multiple‸ testing‸.

Table 18: Tokenizers output for sentence (17)

Tokenizer	Output
1, 2, 8, 9, 10, 11, 12	E-selectin‸is‸induced‸within‸**1-2**‸**h**‸,‸peaks‸at‸**4-6**‸**h**‸,‸and‸gradually‸returns‸to‸basal‸level‸by‸**24**‸**h**‸.
6	E-selectin‸is‸induced‸within‸**1-2h**‸,‸peaks‸at‸**4-6h**‸,‸and‸gradually‸returns‸to‸basal‸level‸by‸**24h**‸.
4, 7	E-selectin‸is‸induced‸within‸**1**‸**-**‸**2**‸**h**‸,‸peaks‸at‸**4**‸**-**‸**6**‸**h**‸,‸and‸gradually‸returns‸to‸basal‸level‸by‸ **24**‸**h**‸.
5	**E**‸**-**‸**selectin**‸is‸induced‸within‸**1**‸**-**‸**2**‸**h**‸,‸peaks‸at‸**4**‸**-**‸**6**‸**h**‸,‸and‸gradually‸returns‸to‸basal‸level‸by‸ **24**‸**h**‸.
3	**E-**‸**selectin**‸is‸induced‸within‸**1**‸**-**‸**2**‸h‸,‸peaks‸at‸**4**‸**-**‸**6**‸**h**‸,‸and‸gradually‸returns‸to‸basal‸level‸by‸**24**‸**h**‸.

- **Numeration**

Table 19: Tokenizers output for sentence (18)

Tokenizer	Output
1, 2, 3, 5, 7, 8, 9, 10, 11, 12	**1**‸**.**‸Bioactivation‸of‸sulphamethoxazole‸(‸SMX‸)‸to‸chemically-reactive‸metabolites‸and‸subsequent‸protein‸conjugation‸is‸thought‸to‸be‸involved‸in‸SMX‸hypersensitivity‸.
4, 6	**1.**‸Bioactivation‸of‸sulphamethoxazole‸(‸SMX‸)‸to‸chemically-reactive‸metabolites‸and‸subsequent‸protein‸conjugation‸is‸thought‸to‸be‸involved‸in‸SMX‸hypersensitivity‸.

- **A hypertext markup symbol**

Table 20: Tokenizers output for sentence (19)

Tokenizer	Output
2, 4, 5, 8	Bcd‸mRNA‸transcripts‸of‸**&‸lt‸;‸** or‸=‸**2.6‸kb‸**were‸selectively‸ expressed‸in‸PBL‸and‸testis‸of‸ healthy‸individuals‸.
6	Bcd‸mRNA‸transcripts‸of‸**&lt‸;‸** or‸=‸**2.6kb‸**were‸selectively‸ expressed‸in‸PBL‸and‸testis‸of‸ healthy‸individuals‸.
9, 12	Bcd‸mRNA‸transcripts‸of‸**&lt‸;‸** or‸=‸**2.6‸kb‸**were‸selectively‸ expressed‸in‸PBL‸and‸testis‸of‸ healthy‸individuals‸.
3, 7	Bcd‸mRNA‸transcripts‸of‸**&‸lt‸;‸** or‸=‸**2‸.‸6‸kb‸**were‸selectively‸ expressed‸in‸PBL‸and‸testis‸of‸ healthy‸individuals‸.
11	Bcd‸mRNA‸transcripts‸of‸**&lt;‸** or‸=‸**2.6‸kb‸**were‸selectively‸ expressed‸in‸PBL‸and‸testis‸of‸ healthy‸individuals‸.
1	Bcd‸mRNA‸transcripts‸of‸or‸=‸**2.6 ‸kb‸**were‸selectively‸expressed‸in‸ PBL‸and‸testis‸of‸healthy‸individuals‸.
10	**Bc‸d‸**mRNA‸transcripts‸of‸**&lt‸;‸** or‸=‸**2.6‸kb‸**were‸selectively‸ expressed‸in‸PBL‸and‸testis‸of‸ healthy‸individuals‸.

- **A URL**

Table 21: Tokenizers output for sentence (20)

Tokenizer	Output
2, 6, 8,	Names‸of‸all‸available‸Trace‸ Databases‸were‸taken‸from‸a‸list‸ of‸databases‸at‸**http‸:‸//www.ncbi.nlm.nih.gov/blast/mmtrace.shtml**
9	Names‸of‸all‸available‸Trace‸ Databases‸were‸taken‸from‸a‸list‸ of‸databases‸at‸**http‸://www.ncbi.nlm.nih.gov/blast/mmtrace.shtml**
3, 5, 7	Names‸of‸all‸available‸Trace‸ Databases‸were‸taken‸from‸a‸list‸ of‸databases‸at‸**http‸:‸/‸/‸www‸ .‸ncbi‸.‸nlm‸.‸nih‸.‸gov‸/‸blast‸ /‸mmtrace‸.‸shtml**
11, 12	Names‸of‸all‸available‸Trace‸ Databases‸were‸taken‸from‸a‸list‸ of‸databases‸at‸**http://www.ncbi.nlm.nih.gov/blast/mmtrace.shtml**
1	Names‸of‸all‸available‸**Trace_Databases‸**were‸taken‸from‸a‸ list‸of‸databases‸at‸**http://www.ncbi.nlm.nih.gov‸/‸blast‸/‸mmtrace‸.‸ shtml**
4	Names‸of‸all‸available‸Trace‸ Databases‸were‸taken‸from‸a‸list‸ of‸databases‸at‸**http://www.ncbi.nlm.nih.gov/blast/mmtrace.shtml‸l**
10	Names‸of‸all‸available‸Trace‸ Databases‸were‸taken‸from‸a‸list‸ of‸databases‸at‸**http‸:‸/‸/‸ www.ncbi.nlm.nih.gov/‸blast‸/‸ mmtrace‸.‸shtml**

Biomedical English complexities

- **A DNA sequence**

Table 22: Tokenizers output for sentence (21)

Tokenizer	Output
1, 2, 4, 5, 6, 7, 8, 9, 11, 12	Footprinting‸analysis‸revealed‸that‸ the‸identical‸sequence‸**CCGAAACTGAAAAGG‸**,‸designated‸E6‸,‸ was‸protected‸by‸nuclear‸extracts‸ from‸B‸cells‸,‸T‸cells‸,‸or‸HeLa‸ cells‸.
10	Footprinting‸analysis‸revealed‸that‸ the‸identical‸sequence‸**CCGAAACTGAAAAGG‸**,‸**design‸ated‸**E6‸,‸ was‸protected‸by‸nuclear‸extracts‸ from‸B‸cells‸,‸T‸cells‸,‸or‸HeLa‸ cells‸.
3	Footprinting‸analysis‸revealed‸that‸ the‸identical‸sequence‸CCGAAACTGAAAAGG‸,‸designated‸**E‸6‸**,‸ was‸protected‸by‸nuclear‸extracts‸ from‸B‸cells‸,‸T‸cells‸,‸or‸HeLa‸ cells‸.

- **Temporal expressions**

Table 23: Tokenizers output for sentence (22)

Tokenizer	Output
2, 6, 8, 9, 11, 12	This‸was‸last‸documented‸on‸the‸ Nuclearv‸Cystogram‸dated‸**1/2/01‸**.
1, 3, 4, 7, 10	This‸was‸last‸documented‸on‸the‸ Nuclearv‸Cystogram‸dated‸**1‸/2‸/‸01‸**.
1	This‸was‸last‸documented‸on‸the‸ **Nuclearv_Cystogram‸**dated‸**1/2/01‸**.

- **Chemical substances**

Table 24: Tokenizers output for sentence (23)

Tokenizer	Output
6, 8,	These‸results‸reveal‸a‸central‸role‸for‸**CaMKIV/Gr**‸as‸a‸**Ca‸(2+‸)‸-regulated**‸activator‸of‸gene‸transcription‸in‸T‸lymphocytes‸.
9	These‸results‸reveal‸a‸central‸role‸for‸**CaMKIV/Gr**‸as‸a‸**Ca‸(2+)-regulated**‸activator‸of‸gene‸transcription‸in‸T‸lymphocytes‸.
1, 3, 4, 7	These‸results‸reveal‸a‸central‸role‸for‸**CaMKIV‸/‸Gr**‸as‸a‸**Ca‸(‸2+‸)‸-‸regulated**‸activator‸of‸gene‸transcription‸in‸T‸lymphocytes‸.
11	These‸results‸reveal‸a‸central‸role‸for‸**CaMKIV/Gr**‸as‸a‸**Ca‸(‸2+‸)‸-‸regulated**‸activator‸of‸gene‸transcription‸in‸T‸lymphocytes‸.
10	These‸results‸reveal‸a‸central‸role‸for‸CaMKIV‸/‸Gr‸as‸a‸**Ca(2+)‸-‸regulated**‸activator‸of‸gene‸transcription‸in‸T‸lymphocytes‸.
2	These‸results‸reveal‸a‸central‸role‸for‸**CaMKIV/Gr**‸as‸a‸**Ca‸(‸2+‸)‸-regulated**‸activator‸of‸gene‸transcription‸in‸T‸lymphocytes‸.
12	These‸results‸reveal‸a‸central‸role‸for‸**CaMKIV/Gr**‸as‸a‸**Ca‸(‸2+‸)-regulated**‸activator‸of‸gene‸transcription‸in‸T‸lymphocytes‸.

Table 25: Tokenizers output for sentence (24)

Tokenizer	Output
1, 2, 6, 8, 11	Expression‸of‸a‸highly‸specific‸protein‸inhibitor‸for‸cyclic‸**AMP-dependent**‸protein‸kinases‸in‸**interleukin-1‸(‸IL-1‸)‸-‸responsive**‸cells‸blocked‸**IL-1-induced**‸gene‸transcription‸that‸was‸driven‸by‸the‸kappa‸immunoglobulin‸enhancer‸or‸the‸human‸immunodeficiency‸virus‸long‸terminal‸repeat‸.
9	Expression‸of‸a‸highly‸specific‸protein‸inhibitor‸for‸cyclic‸**AMP-dependent**‸protein‸kinases‸in‸**interleukin-1‸(‸IL-1)-responsive**‸cells‸blocked‸**IL-1-induced**‸gene‸transcription‸that‸was‸driven‸by‸the‸kappa‸immunoglobulin‸enhancer‸or‸the‸human‸immunodeficiency‸virus‸long‸terminal‸repeat‸.
7	Expression‸of‸a‸highly‸specific‸protein‸inhibitor‸for‸cyclic‸**AMP-‸dependent**‸protein‸kinases‸in‸**interleukin‸-1‸(‸IL-1‸)‸-‸responsive**‸cells‸blocked‸**IL‸-‸1‸-‸induced**‸gene‸transcription‸that‸was‸driven‸by‸the‸kappa‸immunoglobulin‸enhancer‸or‸the‸human‸immunodeficiency‸virus‸long‸terminal‸repeat‸.
5	Expression‸of‸a‸highly‸specific‸protein‸inhibitor‸for‸cyclic‸**AMP-dependent**‸protein‸kinases‸in‸**interleukin‸-‸1‸(IL‸-‸1‸)‸-‸responsive**‸cells‸blocked‸**IL‸-‸1‸-‸induced**‸gene‸transcription‸that‸was‸driven‸by‸the‸kappa‸immunoglobulin‸enhancer‸or‸the‸human‸immunodeficiency‸virus‸long‸terminal‸repeat‸.
4	Expression‸of‸a‸highly‸specific‸protein‸inhibitor‸for‸cyclic‸**AMP-‸dependent**‸protein‸kinases‸in‸**interleukin-1‸(‸IL-1‸)‸-‸responsive**‸cells‸blocked‸**IL-1‸-‸induced**‸gene‸transcription‸that‸was‸driven‸by‸the‸kappa‸immunoglobulin‸enhancer‸or‸the‸human‸immunodeficiency‸virus‸long‸terminal‸repeat‸.
10	Expression‸of‸a‸highly‸specific‸protein‸inhibitor‸for‸cyclic‸**AMP‸-‸dependent**‸protein‸kinases‸in‸interleukin-1‸**(‸IL-1)‸-‸responsive**‸cells‸blocked‸**IL-1‸-‸induced**‸gene‸transcription‸that‸was‸driven‸by‸the‸**ka‸ppa**‸immunoglobulin‸enhancer‸or‸the‸human‸immunodeficiency‸virus‸long‸terminal‸repeat‸.
3	Expression‸of‸a‸highly‸specific‸protein‸inhibitor‸for‸cyclic‸**AMP-dependent**‸protein‸kinases‸in‸**interleukin-‸1‸(‸IL-‸1‸)‸-‸responsive**‸cells‸blocked‸**IL-‸1‸-‸induced**‸gene‸transcription‸that‸was‸driven‸by‸the‸kappa‸immunoglobulin‸enhancer‸or‸the‸human‸immunodeficiency‸virus‸long‸terminal‸repeat‸.
12	Expression‸of‸a‸highly‸specific‸protein‸inhibitor‸for‸cyclic‸AMP-dependent‸protein‸kinases‸in‸interleukin-1‸**(‸IL-1‸)-responsive**‸cells‸blocked‸IL-1-induced‸gene‸transcription‸that‸was‸driven‸by‸the‸kappa‸immunoglobulin‸enhancer‸or‸the‸human‸immunodeficiency‸virus‸long‸terminal‸repeat‸.