The Voynich Manuscript as an Example of Oligo-Agglutinative Pasigraphy, Vol. III: Dictionary, Figures, Tables and Other Supplementary Material

by Steve Bolton

Prepublication Edition - Not for Dissemination

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Prepublication Edition (Appendix E: The Voynich Dictionary yet to be completed)

Steve Bolton

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Rochester, New York
ISBN: 978-1-948810-03-6

Dedication

To St. Mary, Ven. Catherine Emmerich and my siblings, Randi Bolton, Shawn Thompson, Heather Sheehan, Mike Thompson, Leah Thompson, Dave Raskopf, Gary Raskopf and Lora Raskopf.

Credits

Special thanks go to the following analysts and valuable sources, without which this project would not have been possible:
• Mary E. D'Imperio
• René Zandbergen
• Nick Pelling
• J.K. Petersen
• Fr. Theodore Petersen
• John H. Tiltman
• William and Elizabeth Friedman and their study groups
• The Yale University's Beinecke Rare Book and Manuscript Library and the Beinecke 408 forensics team
• Takeshi Takahashi
• John Grove
• Jorge Stolfi
• Gabriel Landini
• Jacques B. M. Guy
• Edith Sherwood
• Stephen Bax
• Hugh O'Neill
• The staff of http://plantillustrations.org
• The staff of http://www.medievalastrologyguide.com
• Manfred M. Junius
• Gerard E. Cheshire
• Glen Claston
• Adam McLean
• Koen Gheuens
• Richards Ojers
• Transcriber Yale Prof. William R. Bennett
• The directors of the Voynich Manuscript Browser located at https://www.voynichese.com/ and https://github.com/voynichese and The Voynich Information Browser at http://voynich.freie-literatur.de/ (which is currently down as of this writing).
• Thanks should also go to those who put a lot of hard work into developing alternate transcriptions, including Don Latham, Mike Roe, Denis V. Mardle, Karl Kluge, Jim Reed, Jeffrey Krischer and Prescott Currier, not to mention the developers of the Voynich fonts, who I haven't been able to identify yet, apart from Zandbergen and Claston. Their contributions were indispensable.
• and the unknown author(s), likely singular.

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Volume IV: An Approximate but Complete Translation **TBD**

Appendix A: Figures

Figure 3.1: Improvements in the Zipf Slope between Versions #3 and #16

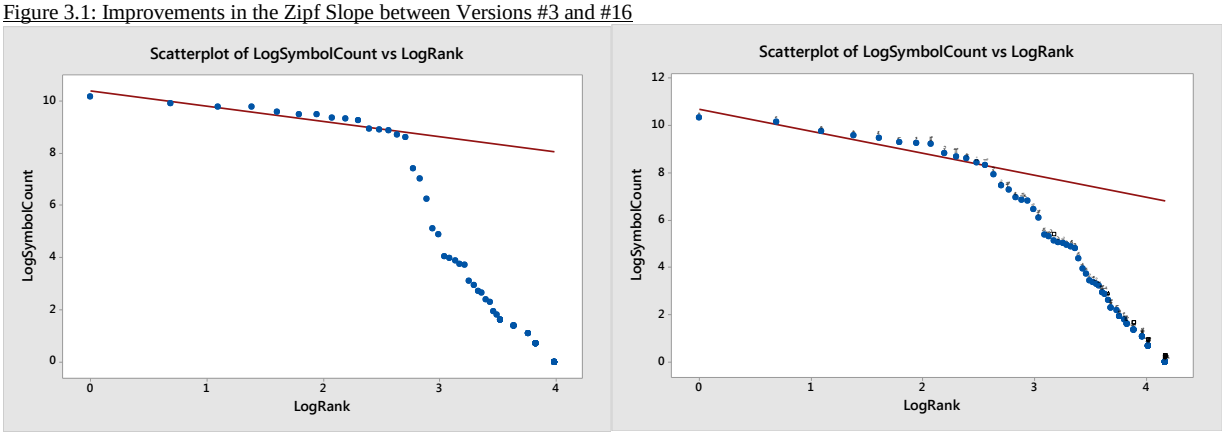


Figure 3.2 Depictions of 3 Uncertain Characters from IsBetaGroup and IsNumeral

Possible Variant of on f66r	Possible Compounds of with	Dubious Occurrence of in the Rosette Text Rings

Figure 3.3: Examples of Dubious Polygraphs Containing the Symbol (i)

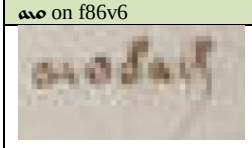
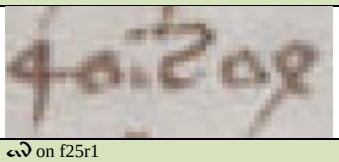
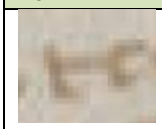
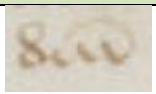
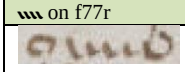
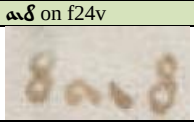
on f86v6		on f58v
		
	on f25r1	1 of 4 instances of
		
on f77r	on f24v	
		

Figure 4.1: Resemblances to an Incomplete and (*cse* and *s*) Ligature in Rosette #4 Outer Ring

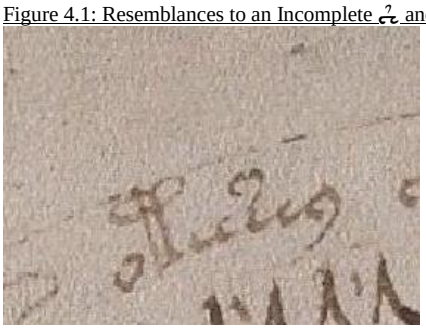


Figure 4.2: Pronounced Inflection Point at ⸸(q) in the Zipf Slope of Version #26

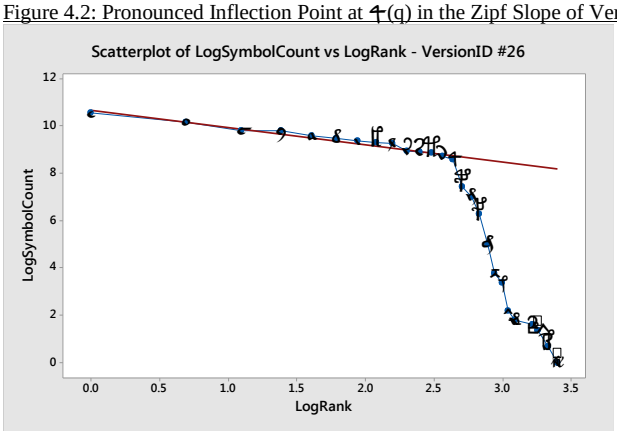


Figure 4.3: Possible Imbalances in ⸜ and ⸝(e and c) in the Count/LogRank Plot of Version #26

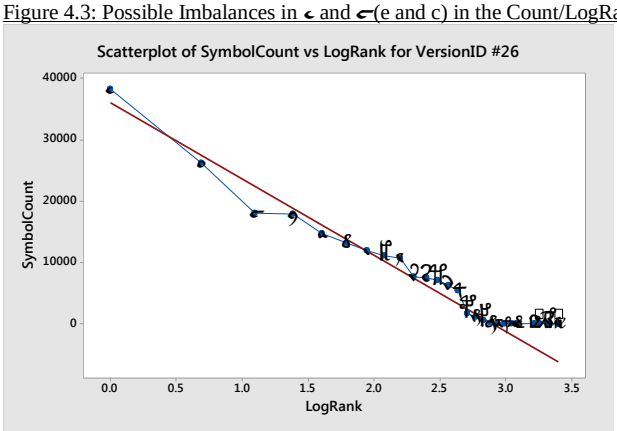


Figure 6.1: “Vitriol” Attachment to Rosette #2 (Later Determined to Be a T-Square Aspect Pattern)

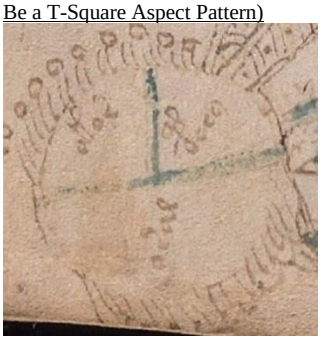


Figure 6.2: Picatrix-Like Attachment to Rosette #6 (Later Determined to Be a Conjunction Symbol)

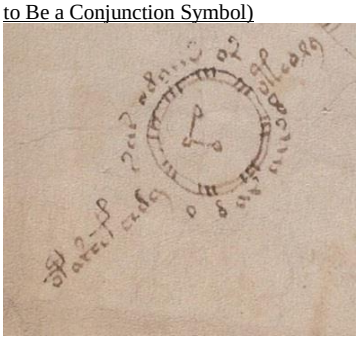
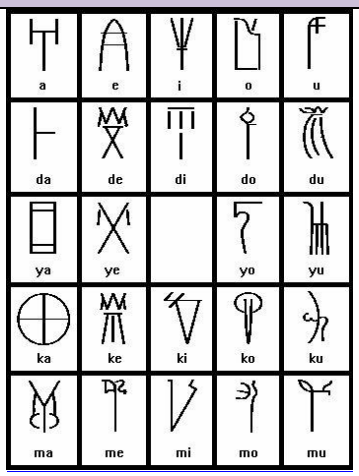


Figure 6.3: Other Alphabets of Interest

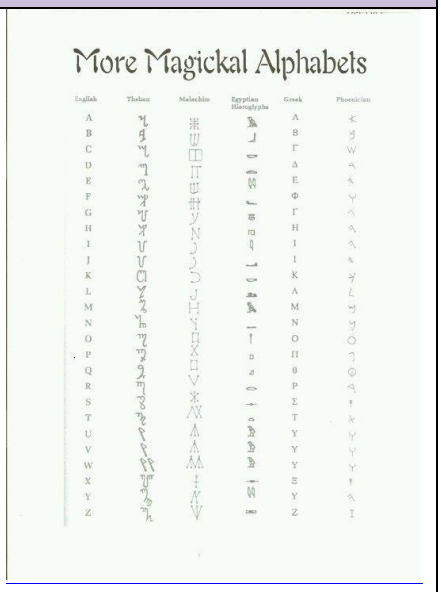
The Evolution of the Phoenician Alphabet in Harden, 1962[1]

Hebrew letter	Hebrew	Phonetic value	Ahiram	Elibaal (Osorkon bust)	Shipitbaal	Mesha	Kara Tepe bilingual	Punic	Neo-punic	Early Greek	Modern Greek	Modern Roman	Greek letter
aleph	א	ʾ									A	A	alpha
beth	ב	b									B	B	beta
gimel	ג	g									Γ	G	gamma
daleth	ד	d									Δ	D	delta
he	ה	h									E	E	epsilon
waw	ו	w										V	digamma
zayin	ז	z									Z	Z	zeta
heth	ח	ḥ									H	H	eta
teth	ט	ṭ									Θ		theta
yodh	י	y									I	I	iota
kaph	כ	k									K	K	kappa
lamedh	ל	l									Λ	L	lambda
mem	מ	m									M	M	mu
nun	נ	n									N	N	nu
samekh	ס	s									Ξ		xi
ayin	ע	ʿ									O	O	omicron
pe	פ	p									Π	P	pi
tsade	צ	ṣ											
qoph	ק	q										Q	
resh	ר	r									P	R	rho
shin	ש	š									Σ	S	sigma
tau	ת	t									T	T	tau
Probable dates of inscriptions			early 10th cent.	c.915	end of 10th cent.	c.850	8th cent. B.C.	5th cent. & later	2nd cent. & later	8th cent. B.C.			

Mu and Me in Linear B[2]



Reverse-Pedestaled Characters in Theban Script[3]

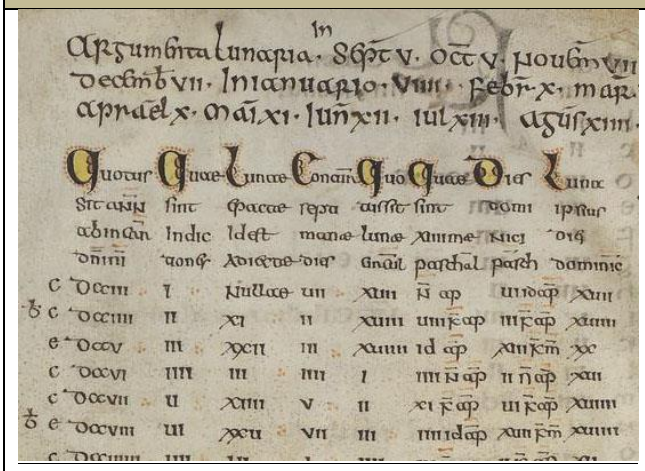


Figures 6.4-7: Instances of Voynich Character Patterns in Other Ancient Documents

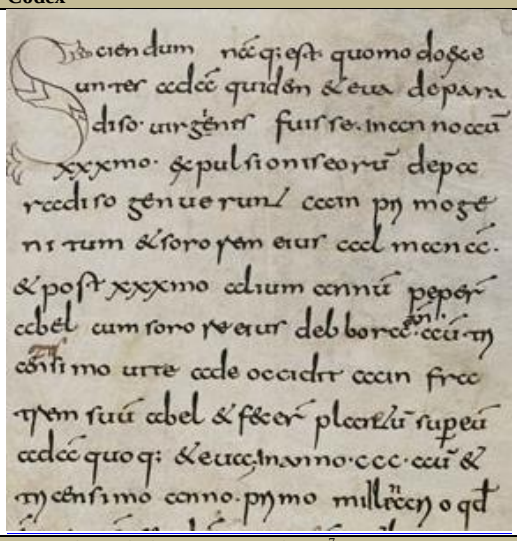
Consecutive Instances of C in 1 Metonic Diagram

Resemblance to f57v dairol in a 9th Century Metonic Cycle Diagram[4]

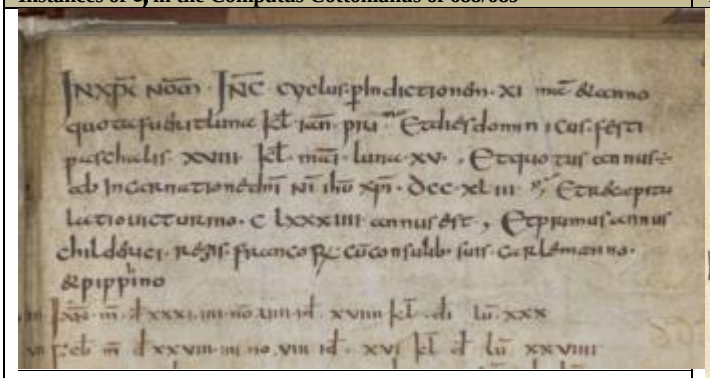
The Easter Table in the Horologium of St. Willibrord[5]



3 Instances of Voynich Letters in the 8th Century St. Gall Codex



Instances of ꝗ in the Computus Cottonianus of 688/689[6]



The Left Half of Arundel 339 f120v[7]

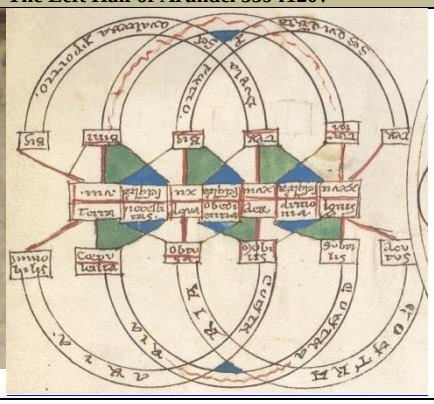


Figure 6.8: Ampersand-Like Symbol in the Easter Tables of *Computus Cottonianus* of 688/689 A.D.[8]

Figure 6.9: Canon Law Diagram from Vat. Lat. 1339, f303r[9]

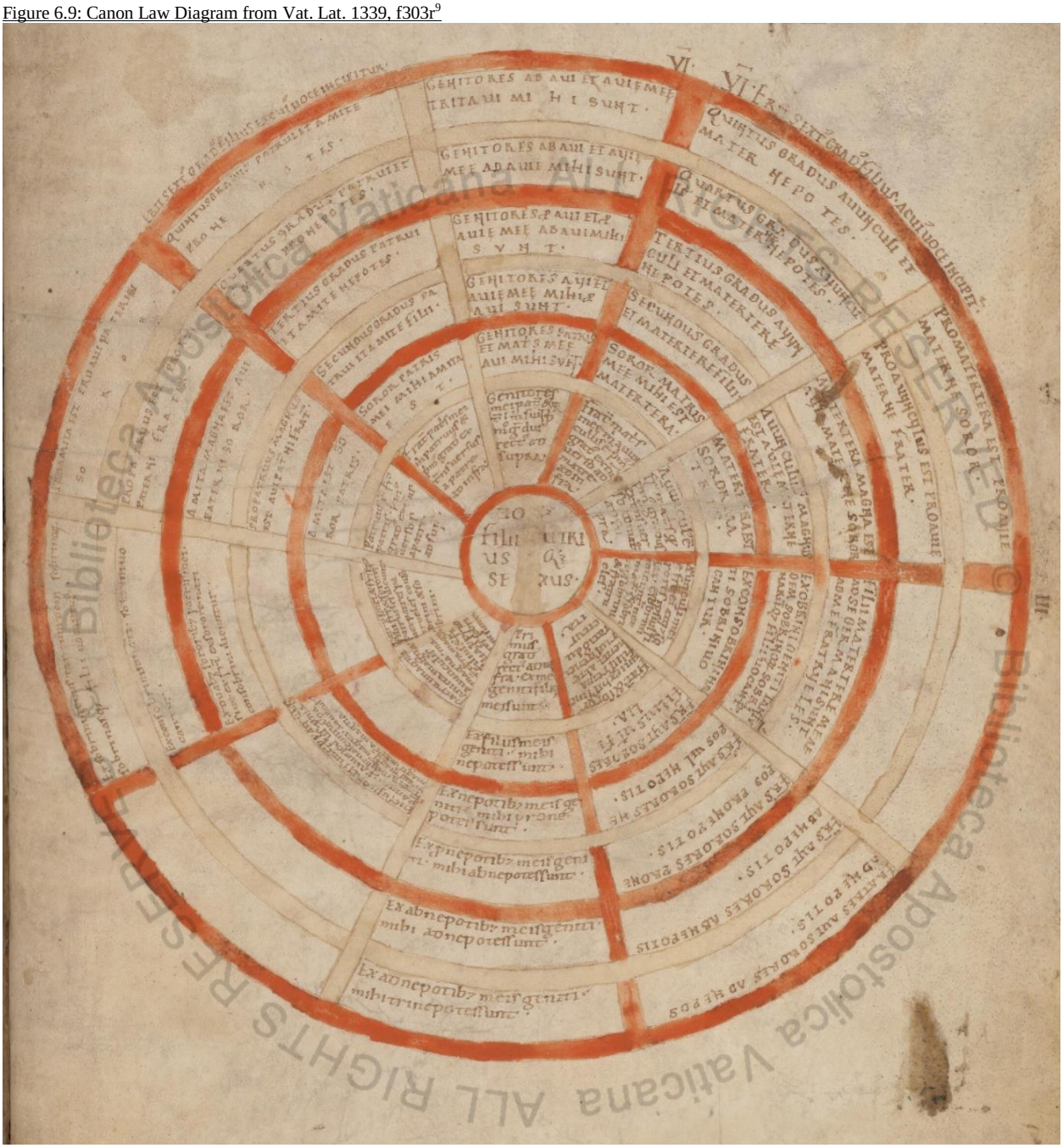


Figure 6.10: *Aries Facit Calorem Temperatum* on f80r of Astronomisch-Astrologische Sammelhandschrift[10]

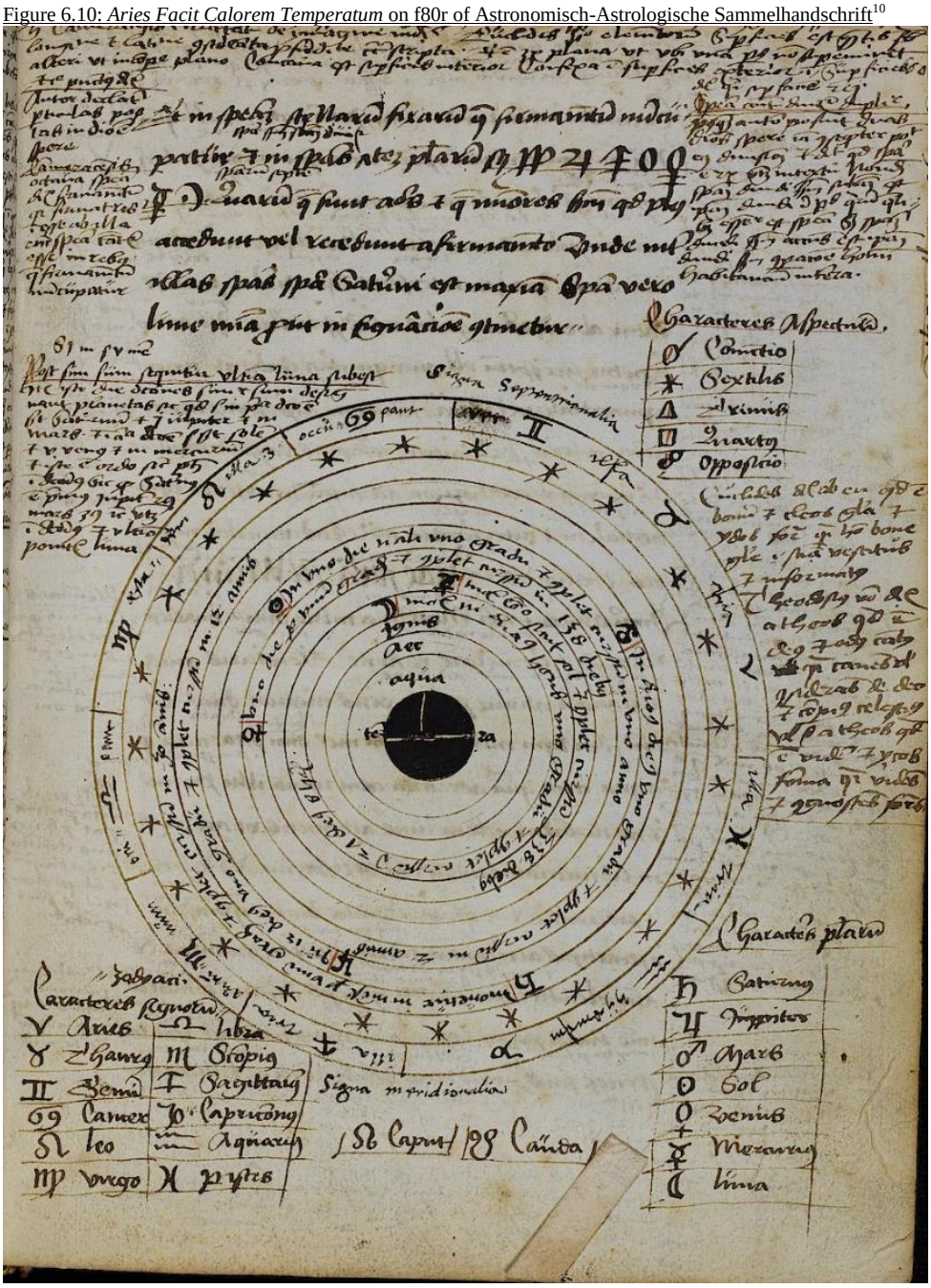


Figure 6.11: Similar Ligatures in the Life of St. Gall.[11]

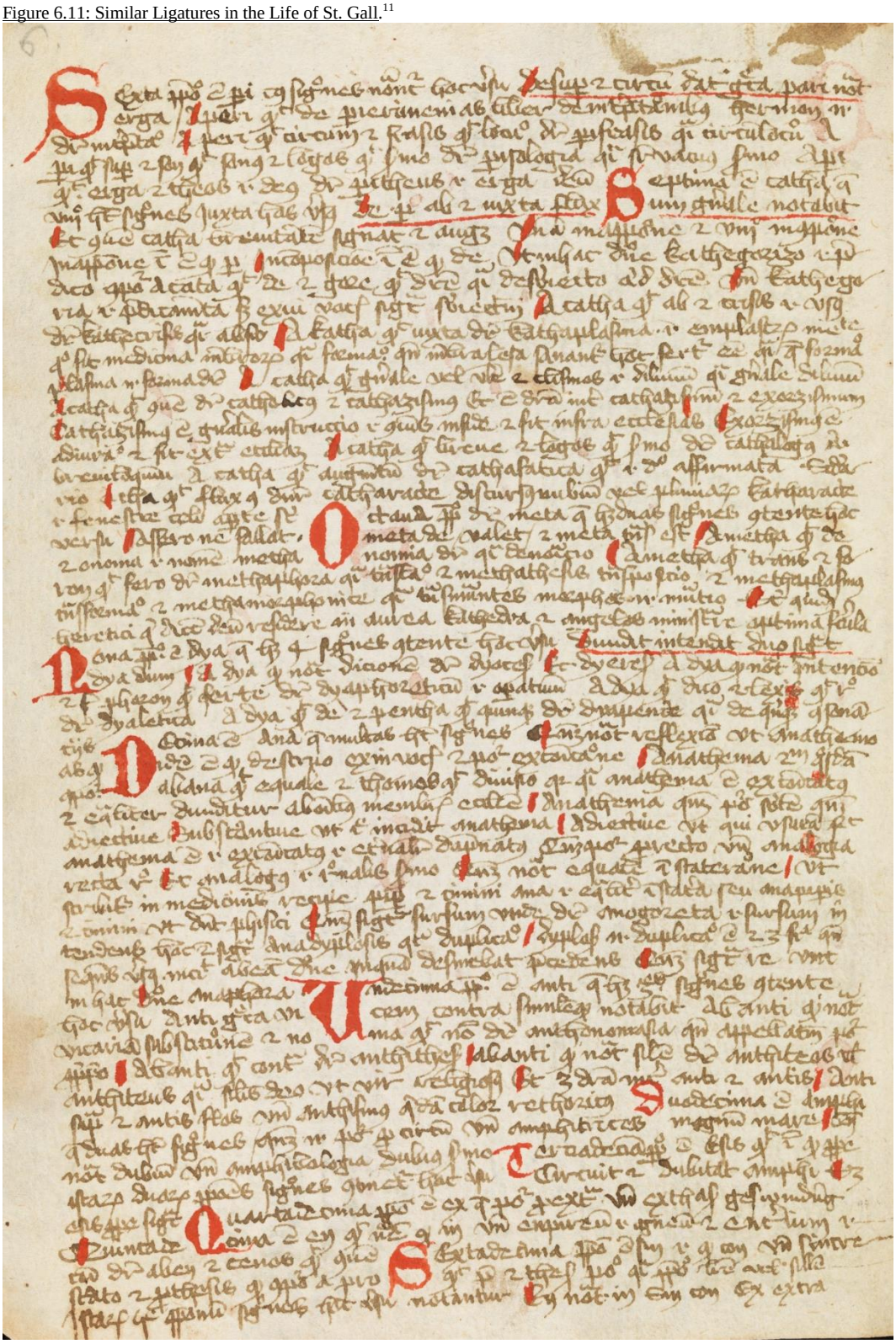


Figure 6.12: Ligatures and Voynich Characters in Petrus de Candia's *Commentary on the Sentences*, c. 1380-1389[12]

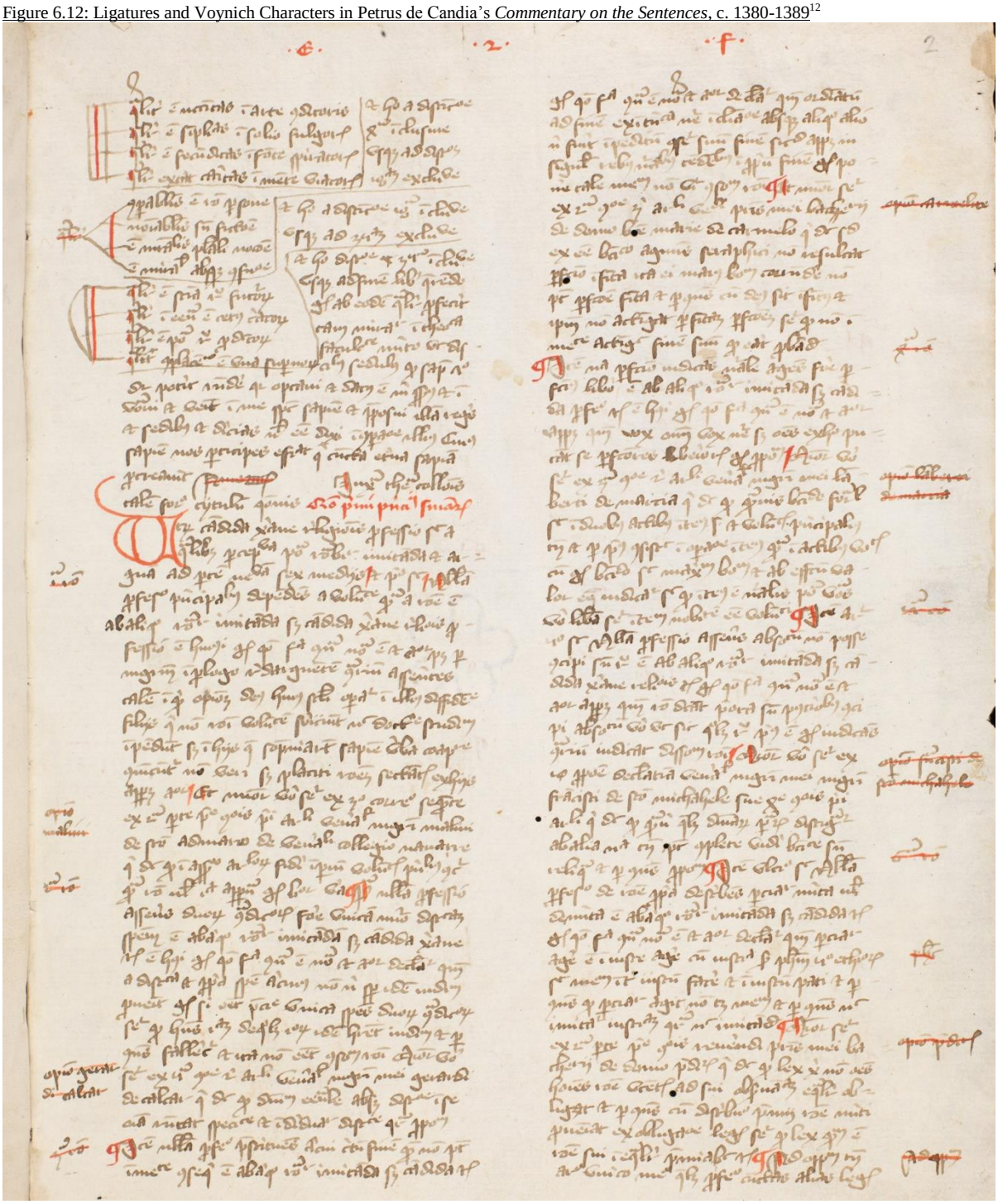


Figure 6.13: Ligatures and Voynich-Like Characters in *Recueil Composite Constitué de Deux Manuscrits*[13]

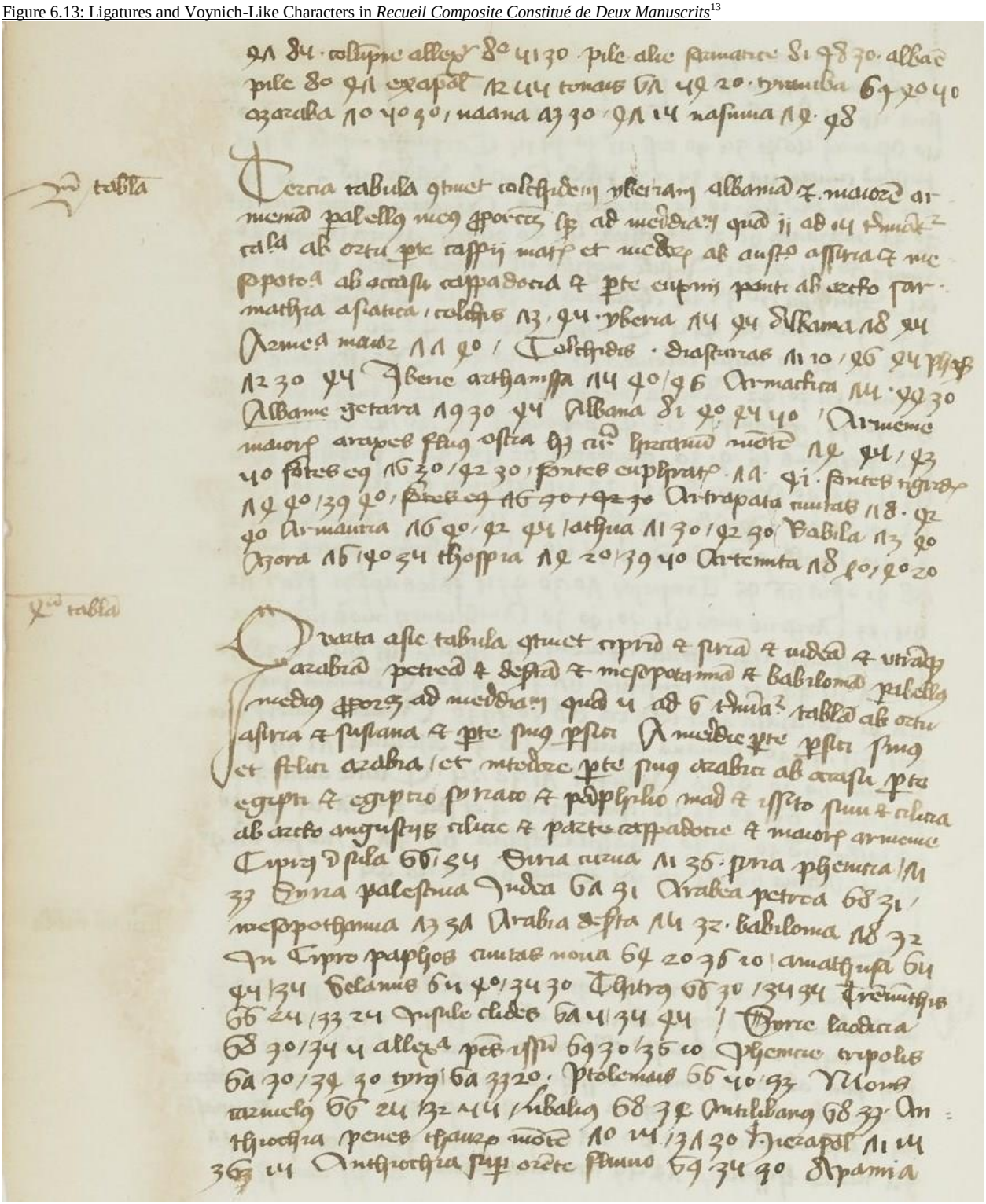


Figure 6.14: Characters of Interest in the Scholarly Theological Treatise Vat. lat. 869[14]

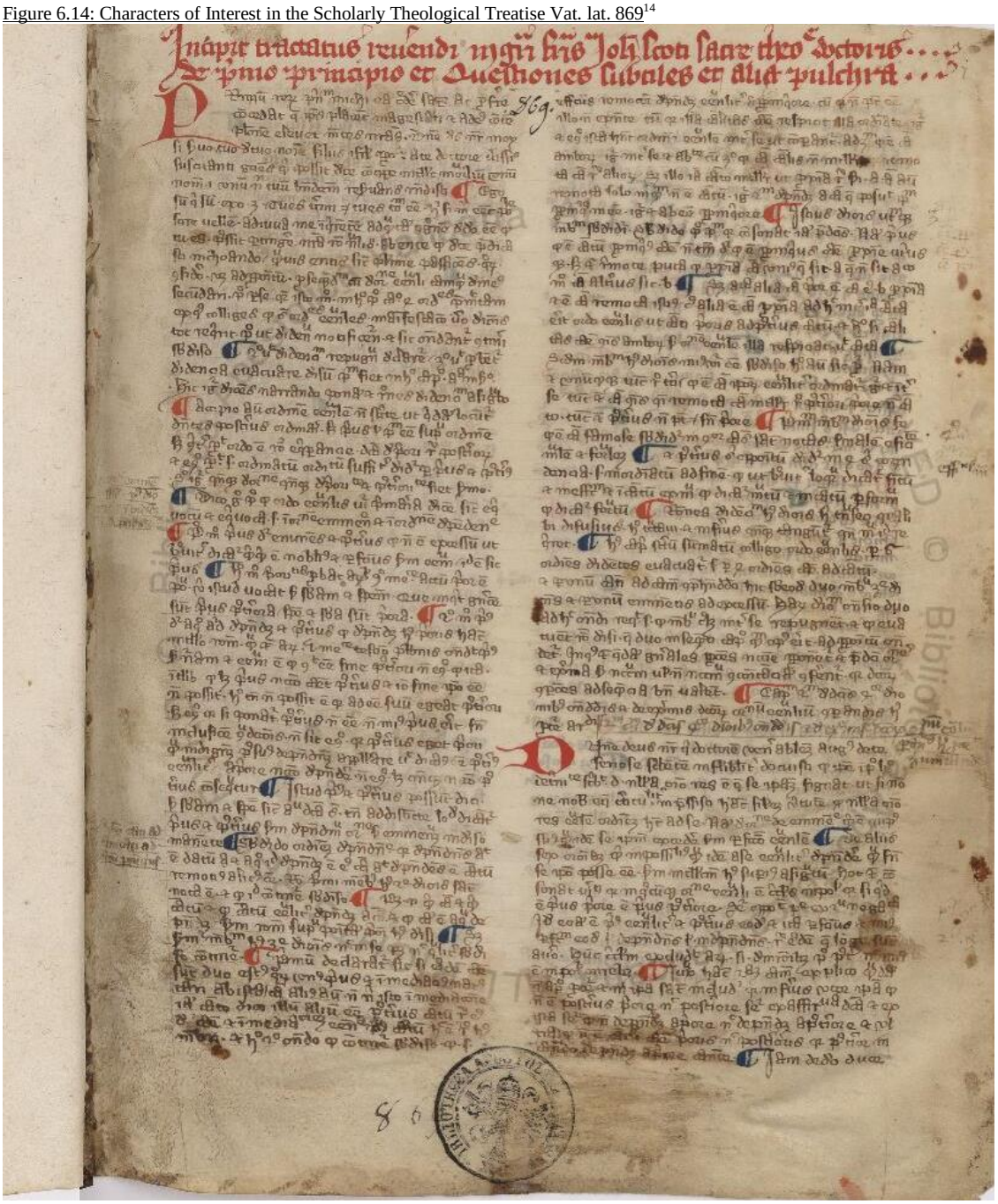


Figure 6.15: Comparisons of Symbol Frequency Peaks for Versions #29, #52 and English

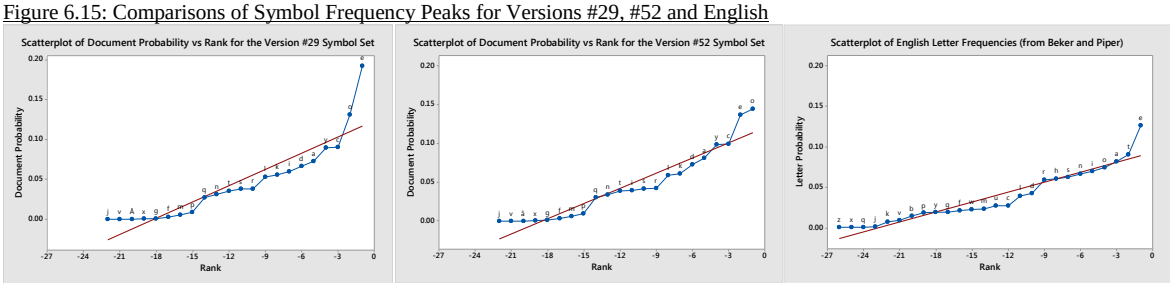


Figure 6.16: Comparisons of Word Frequency Peaks for Versions #29, #52 and 4 Sources with Relevant Topics, Translated into English

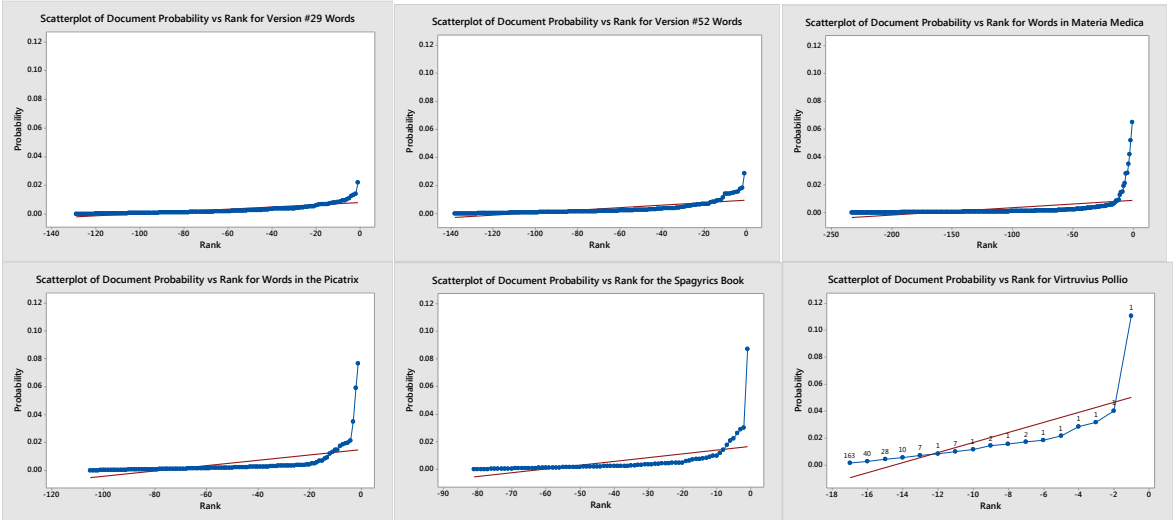


Figure 6.17: Cumulative Distribution Fits for Versions #29, #52 and 4 Sources with Relevant Topics, Translated into English

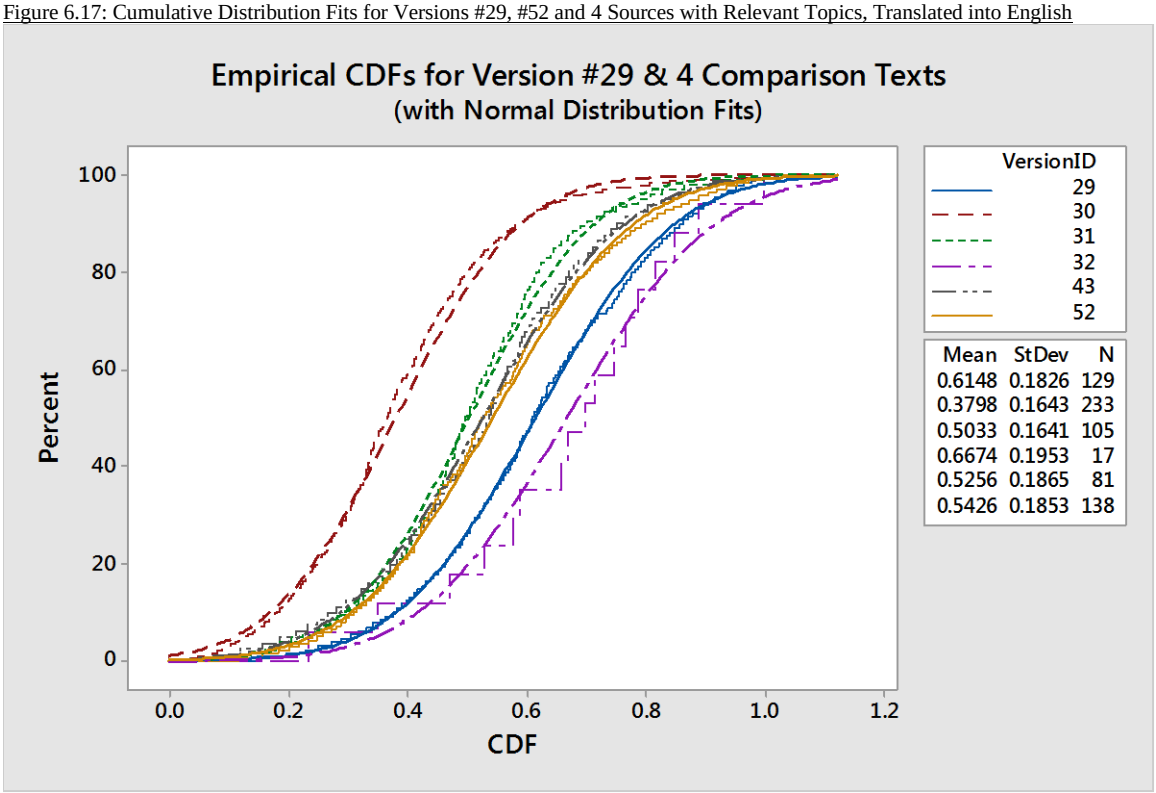


Figure 7.1: Overlap in the Distributions of Polygraphs and Words By Length

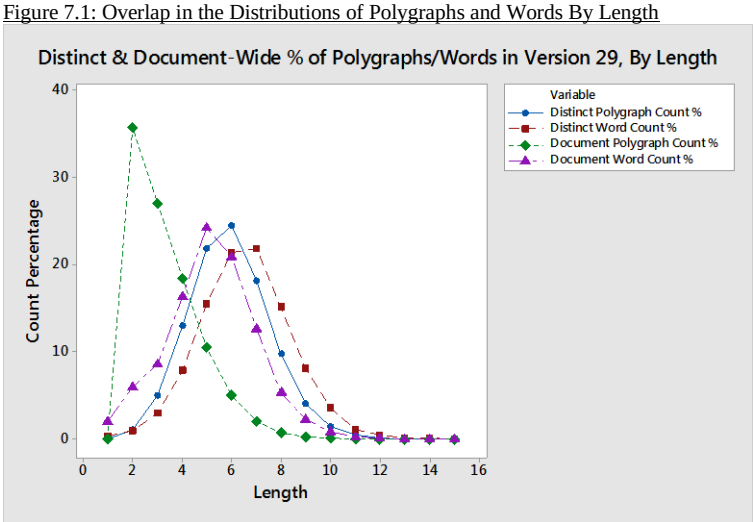


Figure 12.1: Part-of-Speech Heat Map for the 100 Most Frequent Words of 6 Natural Languages

Part Of Speech	All	Russian	German	French	Spanish	Latin	English
Adposition	19.149	21.588	20.391	16.91	16.486	12.534	16.676
Verb	11.352	11.486	17.058	17.818	11.67	9.148	18.029
Personal Pronoun	10.838	8.514	12.016	9.17	5.632	6.144	10.583
Noun	9.162	14.05	8.166	12.537	9.148	23.709	9.891
Coordinating Conjunction	7.95	4.889	5.443	3.024	5.019	16.068	3.101
Adjective	7.454	3.931	9.226	9.916	5.637	8.369	6.535
Relative/Interrogative Pronoun	7.11	10.137	4.72	8.865	7.48	1.297	0
Possessive Pronoun	5.229	3.598	3.355	4.33	3.43	4.316	7.005
Adverb	5.199	6.243	5.443	4.464	3.486	0.69	7.402
Quantifier	3.881	4.187	5.054	4.488	6.696	2.751	3.796
Subordinating Conjunction	2.422	2.139	3.403	1.337	3.242	1.104	2.384
Negation	2.245	3.989	1.326	3.509	2.095	0.988	2.112
Number	2.194	1.663	1.883	2.208	3.201	0.339	1.937
Demonstrative Pronoun	1.933	2.275	0.851	0.955	2.929	2	1.944
Definite Article	1.901	0	0	0	6.084	1.107	1.174
Reflexive Pronoun	1.392	1.31	1.963	0.47	1.218	1.947	5.209
Indefinite Article	0.587	0	0	0	2.199	0	2.221
Adjective + Demonstrative Pronoun	0	0	0	0	1.023	0	0
Conjunction + Pronoun	0	0	4.493	0	0	0.36	0
Interjection	0	0	0	0	0	0.84	0
Adposition + Article	0	0	0	0	1.177	1.044	0
Adposition + Pronoun	0	0	0.652	0	0	0	0
Pronoun + Verb	0	0	0	0	2.148	5.244	0
Relative/Interrogative Pronoun + Verb	0	0	0	0	0	0	0

Figure 14.1: Examples Drawn from the Cross Product of Affix Types, Coding Methods and Base Roles for [ao] Connectives (in the Lifetime of Version #29)

#5 (Current Working Hypothesis)

[ao][lr]	prepositions first choice (then conjunctions, then pronouns)
am	preposition or pronoun
$ai^{4}n$	auxiliary verbs
om	?
$oi^{4}n$	?
[ao][fptk]	?
[ao][ds]	?

#3, 4 and 7b ([ao] split + Semantic Bases)

verbs	nouns ← pronouns
a[lr]	o[lr]
$ai^{4}n$	$oi^{4}n$
am	om
a[fptk]	o[fptk]
a[ds]	o[ds]

#8 Consistent Mapping of Last Letters as Part-of-Speech Determinants

[ao][lr]	prepositions first choice (then conjunctions, then pronouns)
[ao]m	nouns ← pronouns
$[ao]i^{4}n$	auxiliary verbs
[ao][ds]	Part of Speech #4 (adjectives | adverbs | numbers | quantifiers | conjunctions)
[ao][fptk]	Part of Speech #5 (adjectives | adverbs | numbers | quantifiers | conjunctions)

Example of Vertical + Horizontal Splitting

a[lr]	o[lr]
$ai^{4}n$	$oi^{4}n$
[ao]m	Prepositions
[ao][fptk]	Conjunctions
a[ds]	o[ds]

#6 One vast group, either verb-coded or noun-coded

$[ao]i^{4}$[fptkdlrsmn]	auxiliary verbs or pronouns

.

Figure 15.1: The 9-Slot Recursive Text-Generation Method

Optional Outer Noun Modifiers	Stages Prefixable by Outer [fptk]-				Suffixes
	Stages Prefixable by [dlrs]- & [dlrs][fptk]- extensions				
	Stages Prefixable by (c | c[s | fptk | b] + e^{0-4})^{3}				
	Preceding [yo] + a	Recursive Derivational Markers + i-Enumerators + Semantic Bases			
		$([ao]i^{0-4}$ + [dlrsmgj | fptk | n | x | y])^{4}			
		Derivational Markers + i-Enumerators		Semantic Bases	
[yo] + q	[yo] slot substitutions + a-prefixes $[yo]e^{0-4}$[fptk | dlrs] extensions a[fptk | dlrs] extensions	$[ao]i^{0-4}$		[dlrsmgj | fptk | n | x | y]	[yo] | [dlrsmg]^{4} + a?
		Derivational Markers	i-Infix Slot Enumerators		
		[ao]	i^{0-4}		

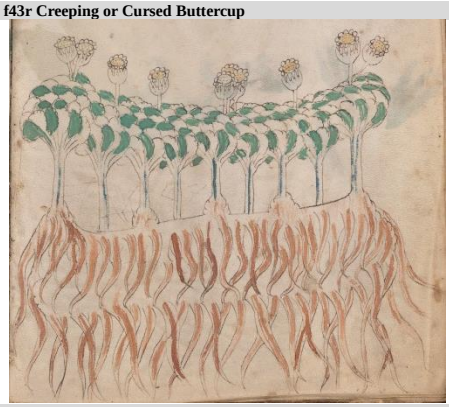
Figure 15.2: Slot-and-Filler Diagram of Navajo Grammar[15]

Disjunct Prefixes					Conjunct Prefixes						Stem
0	1a	1b	2	3	4	5	6	7	8	9	10
Postposition Object	Null Postposition	Adverbial/ Thematic	Iterative	Plural	Direct Object	Deictic	Adverbial/Thematic	Mode/Aspect	Subject	Classifier	Stem

Figure 19.1: Visual Comparison of the 5 Core "Flatbed" Members

f39r Fumitory #1

f43r Creeping or Cursed Buttercup

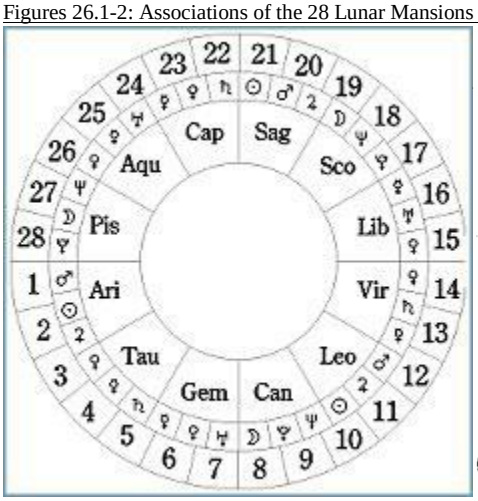


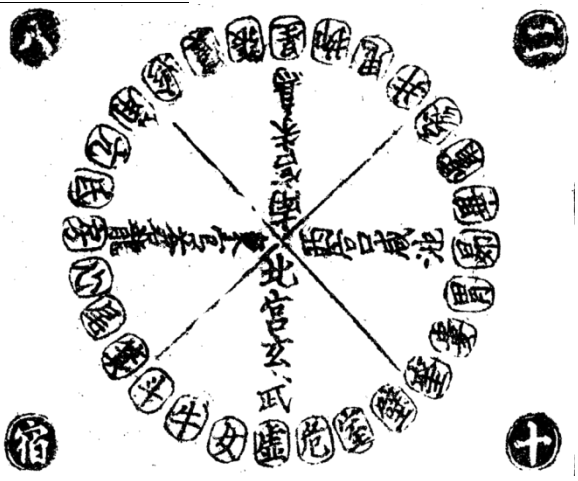
f46r Flea Seed (Plantago/Plantain Composite)

f55r Geranium/Herb Robert

f95r2 Fumitory #2

Figures 26.1-2: Associations of the 28 Lunar Mansions with the 12 Zodiacs[16]





Figures 26.3-5: Lunar Phase Diagrams[17]

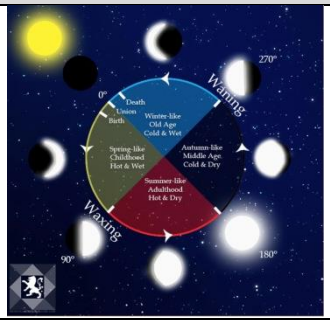
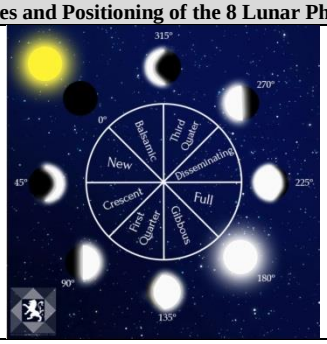
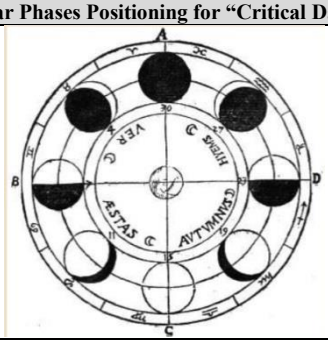
The 8 Lunar Phases and 4 Seasons	Angles and Positioning of the 8 Lunar Phases	Lunar Phases Positioning for "Critical Days"
		

Figure 26.6: LJS 443 f20v circa 1420[18]

Figure 26.7: LJS 443 f206v circa 1420

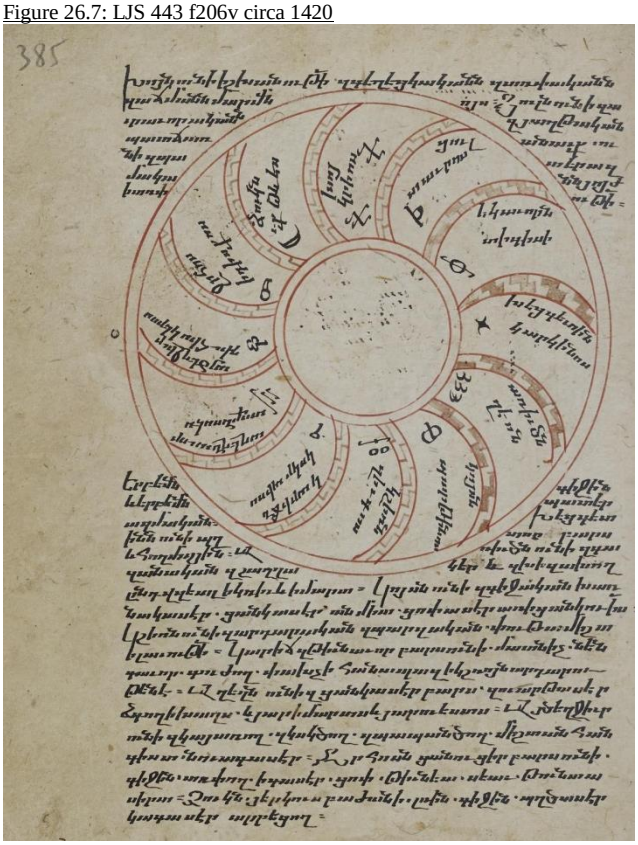


Figure 26.8: LJS 443 f209r circa 1420

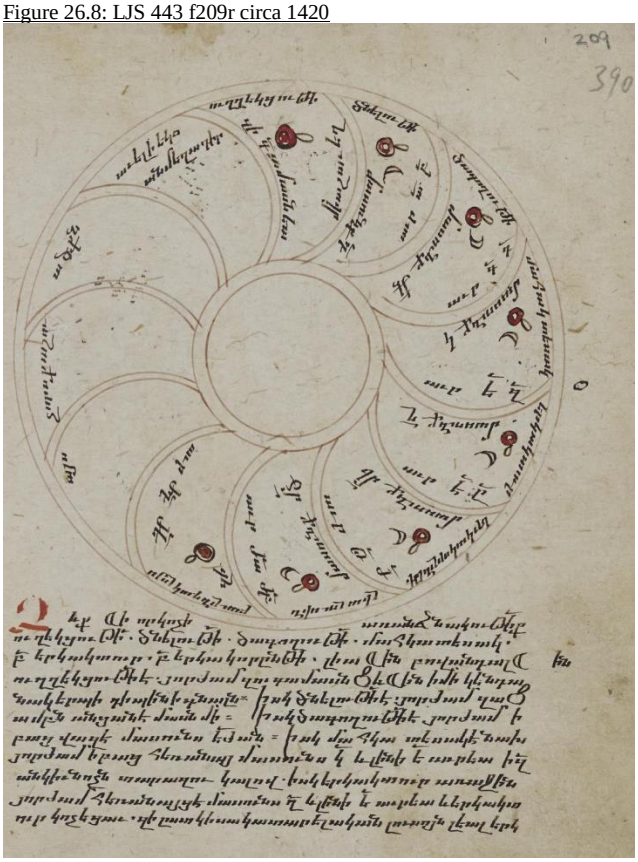


Figure 26.9: LJS 443 f209v circa 1420

Figure 26.10: LJS 443 f210r circa 1420

Figure 26.11: LJS 443 f204r, circa 1420

Figure 26.12: T-O Map, Cryptograms and Alphabets of Interest in St. John's MS 17[19]

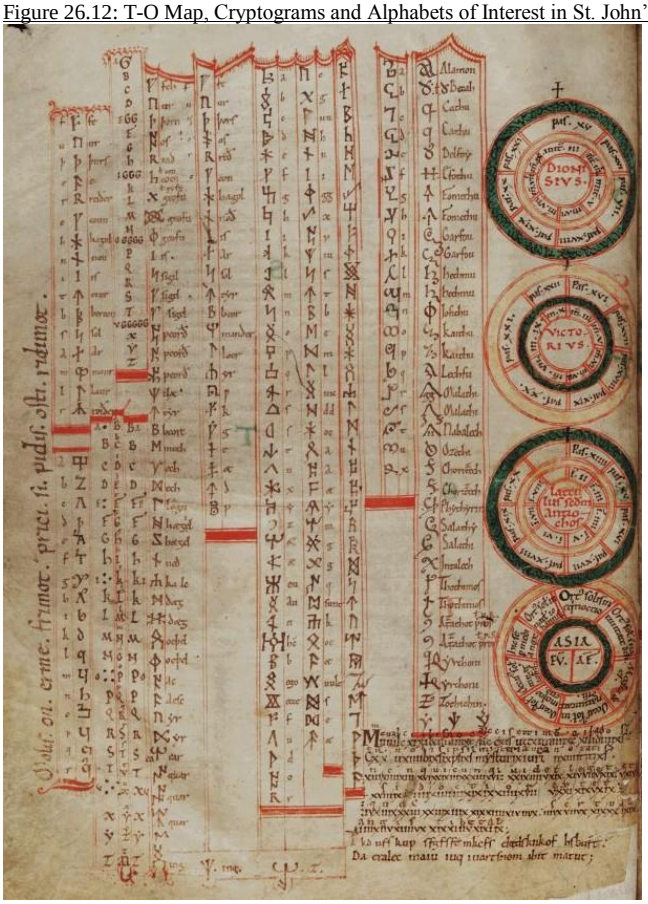


Figure 26.13: 8-Pointed Star of Venus in Bellesguard Castle[20]

Figure 26.14: Octagram Tile Reminiscent of f70r2[21]

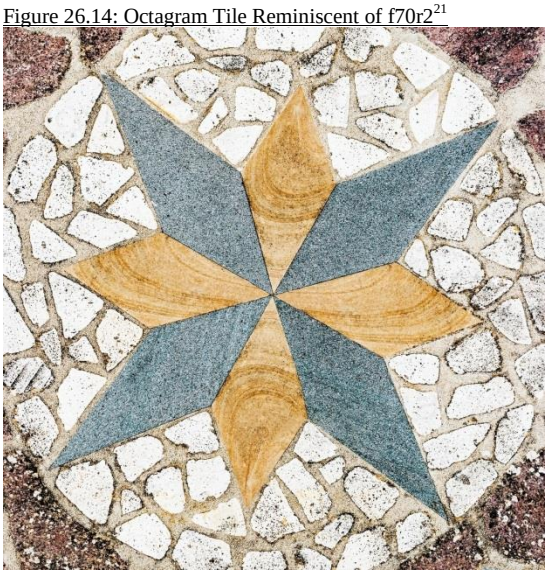
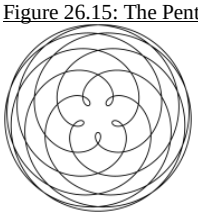


Figure 26.15: The Pentagram of Venus[22]



Figures 26:16-17: 9-Pointed Stars Potentially Relevant to f70r1[23]

"The Design of the Year"

Fig. 8. The Design of the Year

"The Types of Humanity"

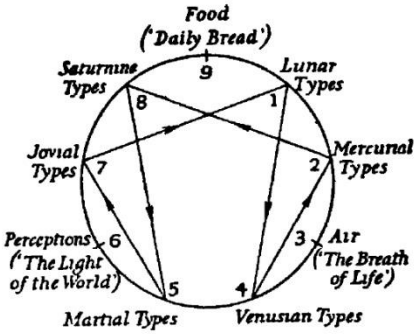


Fig. 12: The Types of Humanity

Figure 27.1-5: Personifications of the 7 Planets in Medieval Manuscripts

Figure 27.1: Depictions of the Planets in a English Shepherd's Calendar, c. 1500[24]

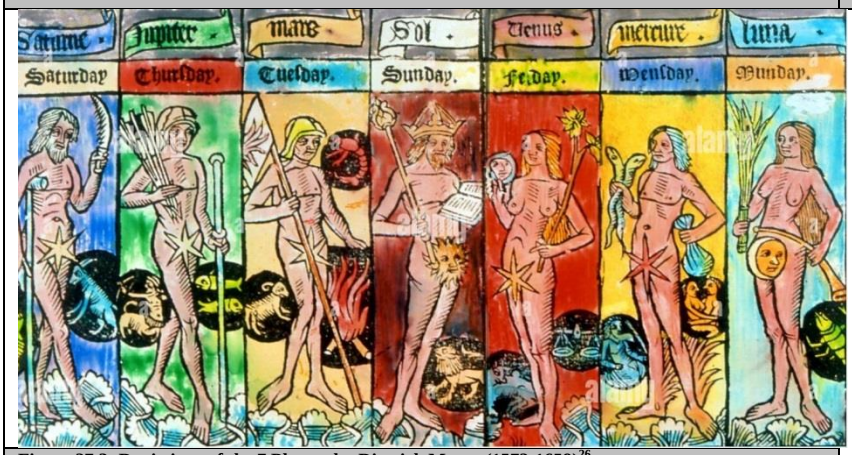


Figure 27.2: Personification of Luna in a 1445 German Calendar[25]

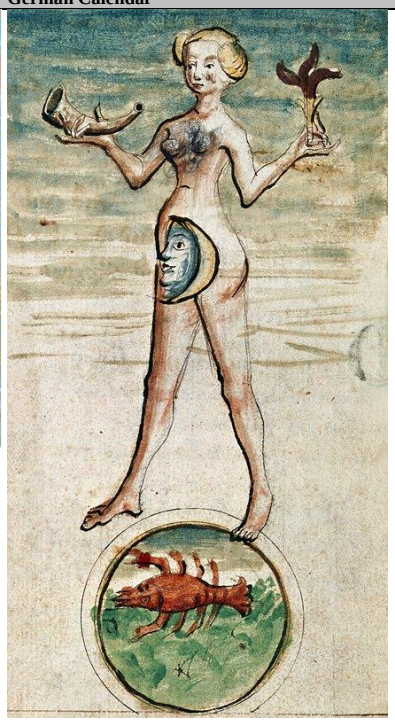


Figure 27.3: Depictions of the 7 Planets by Dietrich Meyer (1572-1658)[26]

Figure 27.4: The 7 Planets in Frisian Artwork c. 1524-1612[27]

Figure 27.5: Unsourced Depiction of the 7 Planets[28]

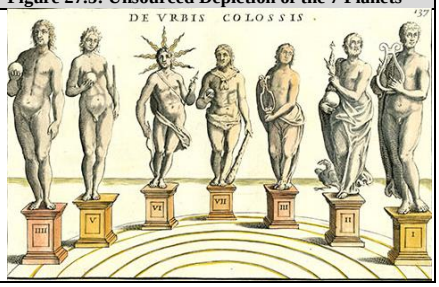


Figure 27.6: Medical Astrology Rota Produced c. 1410 in Southern Germany, Depicting a Circular Order of the 7 Planets[29]

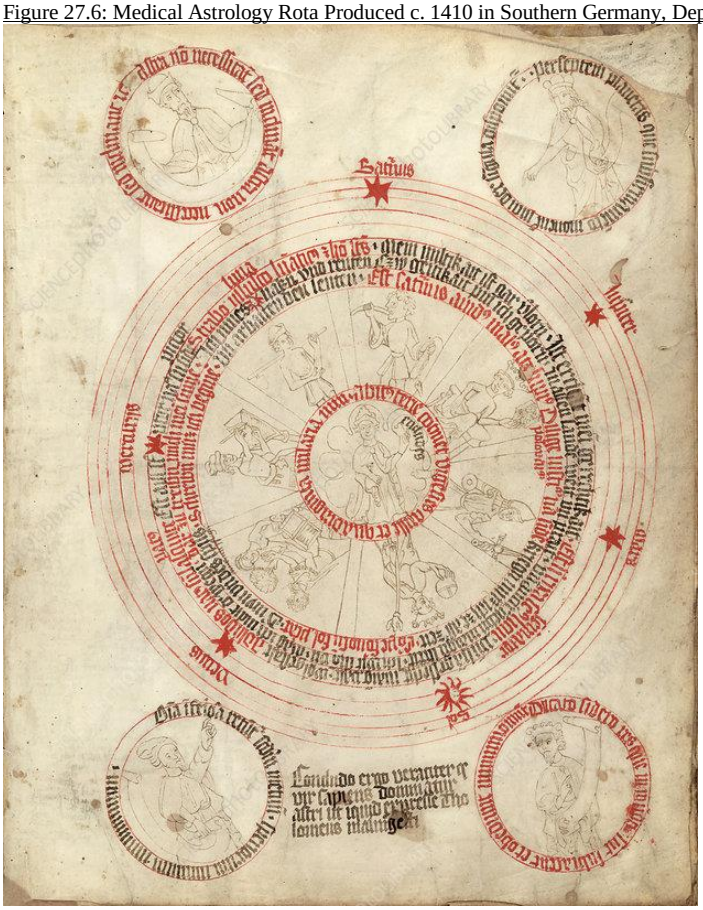


Figure 27.7: Alternate Zodiac-Body Part Mappings Showing Aries Governing the Feet and Toes[30]

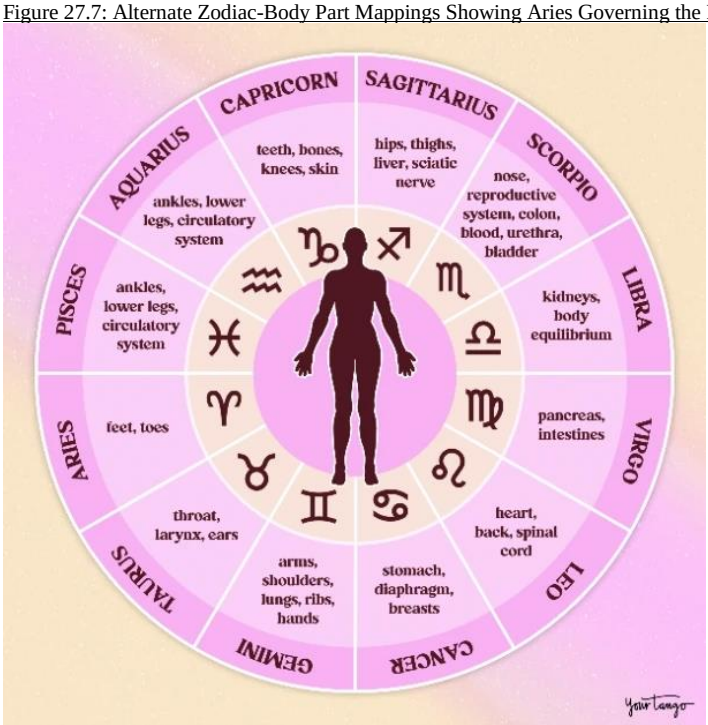


Figure 28.1 Excerpt from Peter of Poitiers' Universal History Diagram[31]

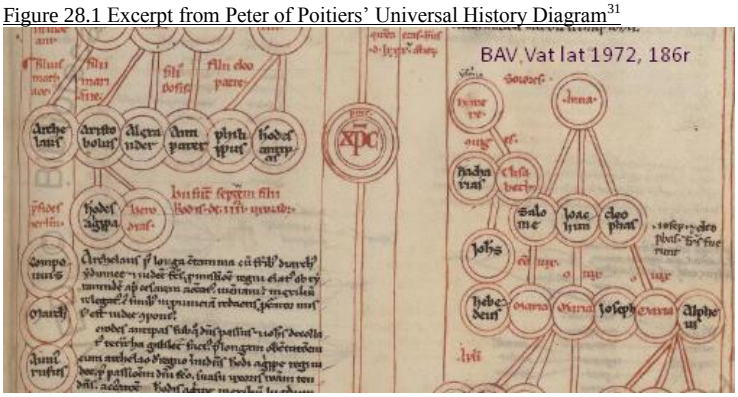


Figure 28.2: Byrhtferth's Diagram on f7v of MS 17 St. John's[32]

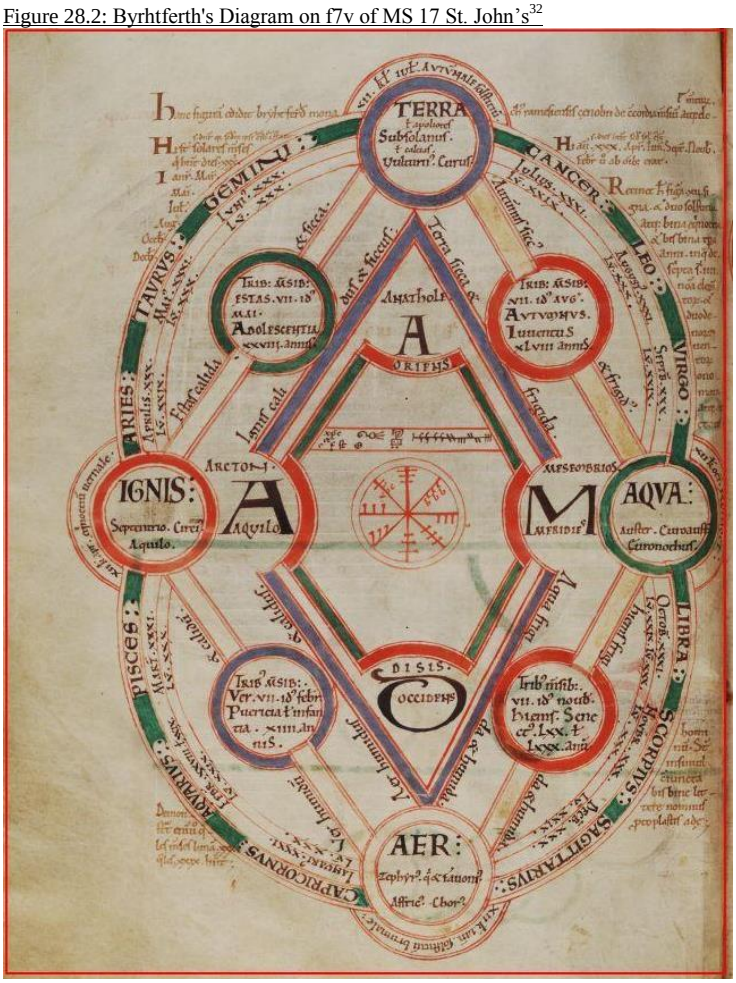


Figure 28.3: Simple Diagram of the 4 Elements Connected by “Bridges” in Digby 107[33]

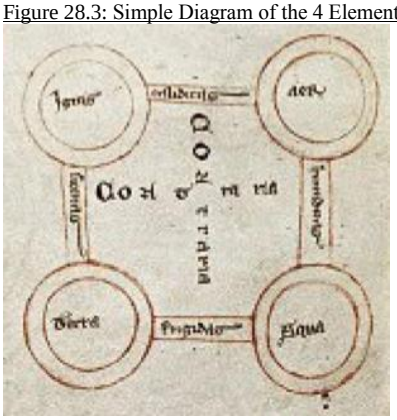


Figure 28.4: The 4 Elements in Morgan B27, Featuring a Flower-Like Design Like That at the Center of f57v[34]

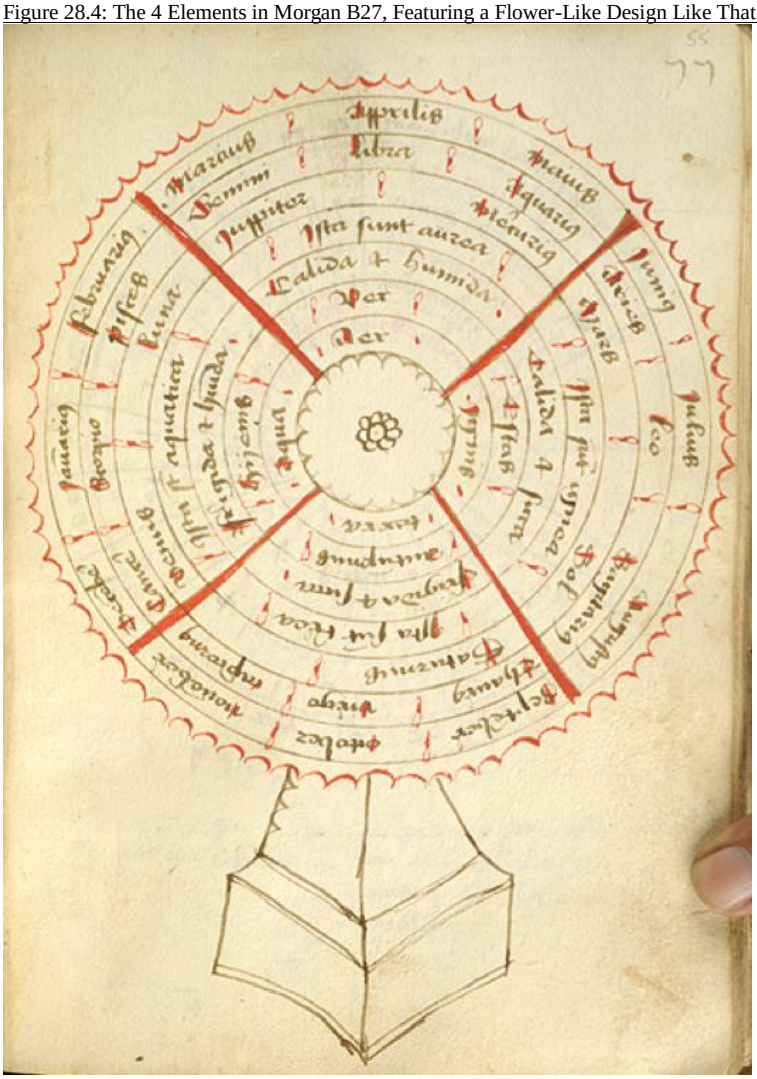


Figure 28.5: Diagram of the 4 Humors, 4 Temperaments, 4 Seasons and 7 Planets in MS B.27 (c.1450–1475)[35]

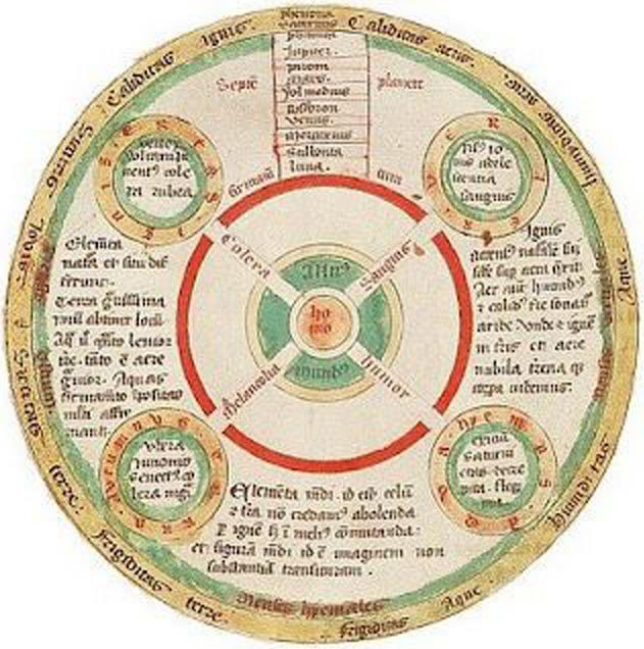


Figure 28.6: 4 Diagrams of the Elements and Humors Cited at J.K. Petersen's Blog[36]

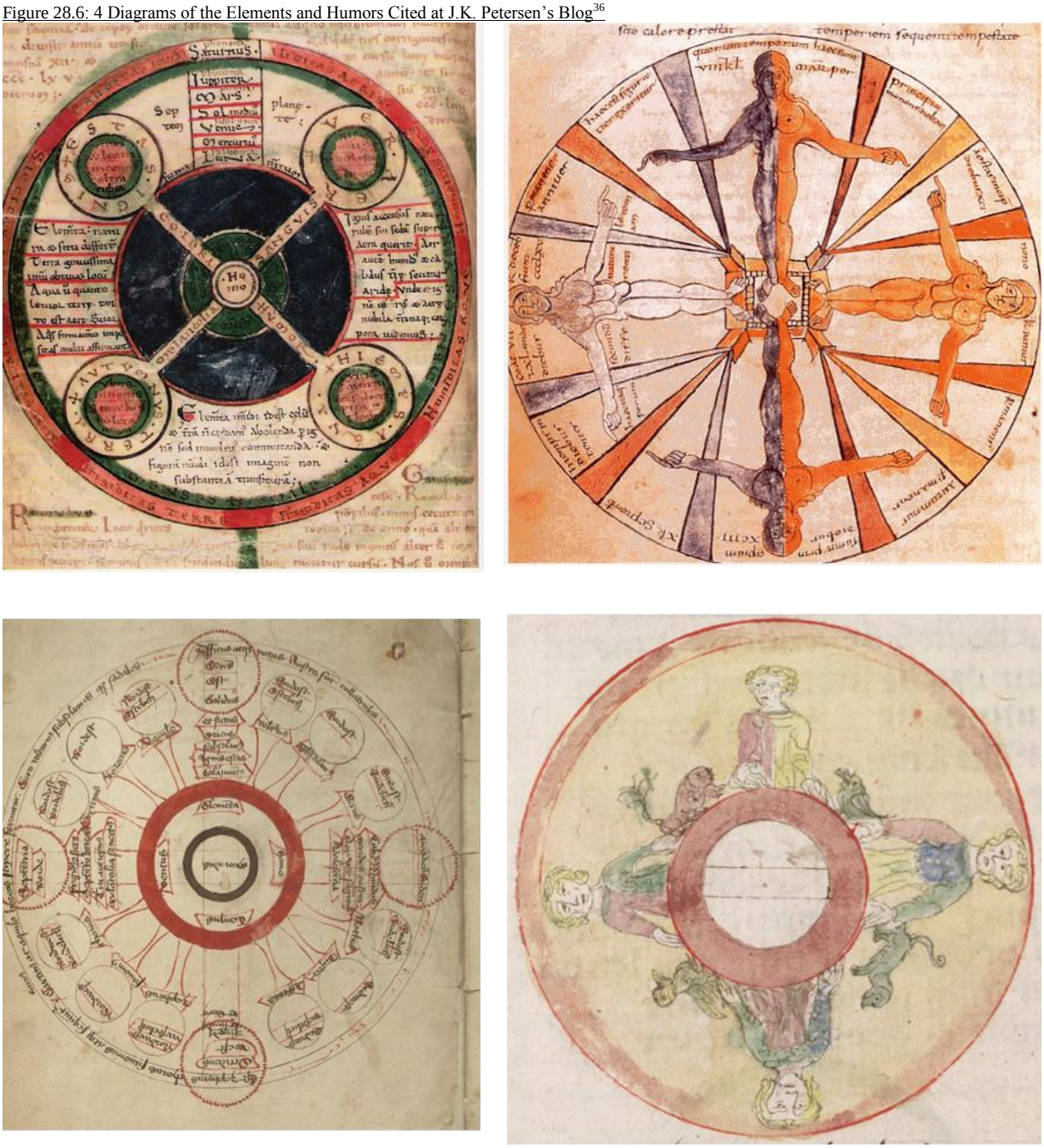


Figure 28.7: Two Versions of a Diagram of the 4 Seasons in the 14th Century *Le Breviari d'Amors*[37]

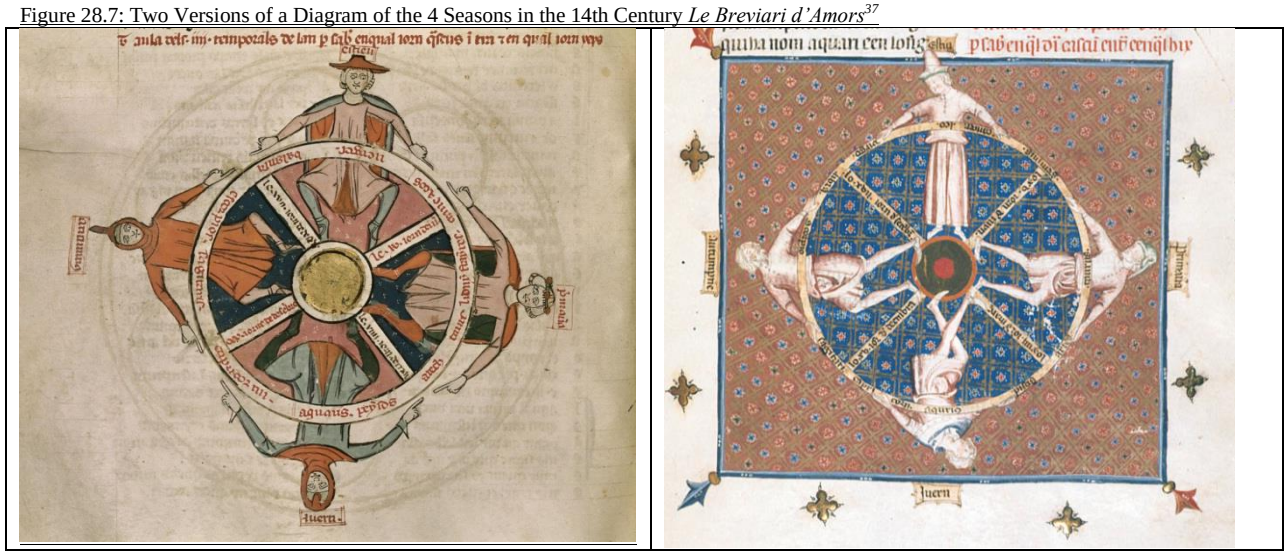
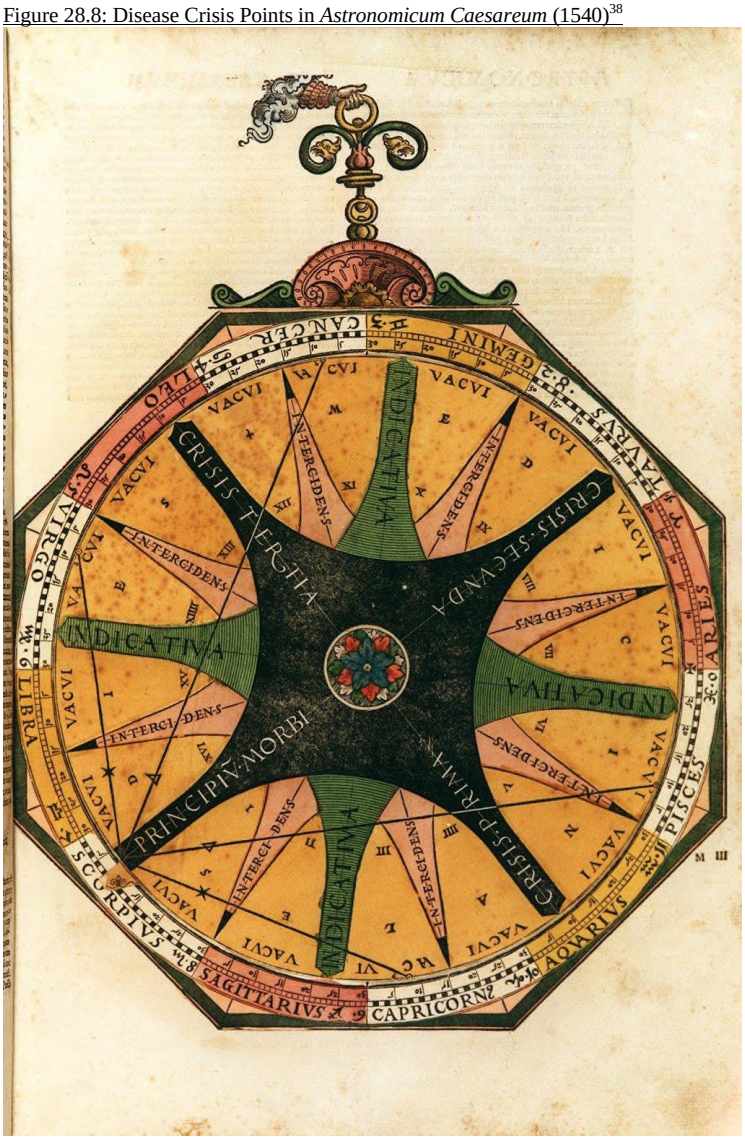


Figure 28.8: Disease Crisis Points in *Astronomicum Caesareum* (1540)[38]



Appendix B: Tables

Table 1.1: Comparison of 2 Voynich Fonts

English	**Voynich**		**Voynich EVA Hand A**	
	Lower Case	Upper Case	Lower Case	Upper Case
q				
w				
e				
r				
t				
y				
u				
i				
o				
p				
a				
s				
d				
f				
g				
h				
j				
k				
l				
z				
x				
c				
v				
b				
n				
m				
1				
2				
3				
4				

5				
6				
7				
8				
9				
[				
]				

Table 3.1: Voynich Symbols in the EVA True Type Font

Alt Code	Times New Roman	EVA True Type Font		Alt Code	Times New Roman	EVA True Type Font
		Lower Case	Upper Case			
	a			160	(space)	(not in the EVA alphabet)
	b			161	¡	
	c			162	¢	
	d			163	£	
	e			164	¤	
	f			165	¥	¥
	g			166	¦	
	h			167	§	
	i			168	¨	
	j			169	©	
	k			170	ª	
	l			171	«	
	m			172	¬	
	n			173	-	
	o			174	®	
	p			175	¯	
	q			176	°	
	r			177	±	
	s			178	²	
	t			179	³	
	u			180	´	
	v			181	µ	
	x			182	¶	
	y			183	·	
	z			184	¸	
130	‚			185	¹	
131	*ƒ*			186	º	
132	„			187	»	
133	…			188	¼	
134	†			189	½	
135	‡			190	¾	
136	ˆ			191	¿	

137	‰		192	À	
138	Š		193	Á	
139	‹		194	Â	
140	Œ		195	Ã	
141		***	196	Ä	
142	Ž	***	197	Å	
143		***	198	Æ	
144		***	199	Ç	
145	‘		200	È	
146	’		201	É	
147	“		202	Ê	
148	”		203	Ë	
149	•		204	Ì	
150	–		205	Í	***
151	—		206	Î	
152	˜		207	Ï	
153	™		208	Ð	
154	š		209	Ñ	
155	›		210	Ò	
156	œ		211	Ó	
157		***	212	Ô	
158	ž	***	213	Õ	
159	Ÿ		214	Ö	

Table 3.2: Transcriber Code in the Landini-Stolfi Interlinear File

Code	Transcriber
C	Currier “plus new additions from members of the Voynich list as found in the file voynich.now”
F	William Friedman’s 1st Study Group
H	Takeshi Takahashi
J	“Jim Reed's transcription of some previously unreadable characters”
K	“Karl Kluge's transcription of some labels from Petersen's copies”
L	Don Latham
N	Gabriel Landini
P	Fr. Theodore Petersen with “(a few readings reported by K. Kluge)”
R	Mike Roe
T	Tiltman
U	Jorge Stolfi
V	John Grove
X	Denis V. Mardle
Z	Zandbergen

Table 3.3: Most Common Symbols in the Interlinear File by Transcriber Code

	Symbol	C	U	V	F	T	J	D	G	I	K	L	N	R	X
o		11118	6552	4340	21033	3370	80	209	2504	1	18	1007	113	49	11
e		7629	3979	4431	16883	3971	81	100	2392	3	4	622	51	38	3
h		9017	4648	3108	16036	2355	43	159	1994	1	10	525	121	34	16
y		8506	4158	3957	15241	2496	58	120	1912	2	7	418	76	25	7
a		5524	3464	2249	12522	2699	44	114	1950	2	19	420	84	9	8
c		6609	3552	1999	11974	1792	24	129	1574	1	10	414	81	29	13
d		6277	2941	2867	11319	1829	49	80	1423	1	3	390	56	13	3
i		5002	2869	1555	11456	2204	31	92	1572	1	2	387	79	3	8

k		4703	2357	2257	9475	2038	47	67	1291	2	1	330	45	19	3
l		4515	2322	2464	8922	1638	22	66	1044	1	8	335	34	13	2
r		3082	2050	1039	6309	1086	24	63	839	1	10	237	42	13	4
s		3523	1863	1599	6132	795	21	58	625	1	7	239	64	7	5
t		3249	1792	1108	5919	876	16	72	833		1	130	37	6	3
n		2750	1423	951	5640	1170	17	41	851	1	3	193	47	2	4
q		2611	936	1624	5076	932	39	32	567			167		4	
p		726	442	299	1479	297	5	12	228		12	44	11	4	2
m		406	300	99	999	205	1	11	154		3	30	1	1	1
f		200	132	53	393	48		1	54			15	5		2
*		210	722	48	344	3	19	7	40	2		94	13	4	2
g		49	24	10				3			1				
x		1	7	4	20	9			2						
T															
S			2												
K			1												
Y															
©			4	4											
«			4	4											
v			7	7					2						
¬			4	4											
F															
ª			4	4											
z															
O															
I			1	1											
?	?		2		2							2			
ý			1										1		
ü			1										1		
˜				1											
™															
Š			1												
§			1												
Q							1								
u		1	1					1							
£			1												
°			1												
b			3	4											
²			1												
E			1												
’			1												
P			2				1								
-			2	2											
Œ			1												

j		30	4		2			4	1			21			
X				1											
Ù			1												

Table 3.4: Versioning System with Associated Zipf Slopes

ID	Description	Zipf Intercept (Regression for Log Rank =)	Zipf Slope by Log Symbol Count (Goal = -1)
1	The original transcriptions from the interlinear file	3.690	-0.1912
2	The 1st set of revisions		
3	Iteration #3 discussed in Chapter 3	3.9913	-0.2253
4	Iteration #4 - All Instances of replaced by	3.9671	-0.2189
5	Iteration #4 - Version #4 plus all other as digraphs	3.9664	-0.2187
6	Iteration #4 - Version #4 plus all other as compound symbols	4.0747	-0.2250
7	Iteration #4 - as a single character	3.9859	-0.2239
8	Iteration #4 - equivalent to	3.9576	-0.2217
9	Iteration #4 - Experimentation with the W-pentimal system, with as distinct endings	4.1242	-0.2367
10	Iteration #4 - Experimentation with the W-pentimal system, with as indistinct endings	4.1242	-0.2367
11	Iteration #4 - Versions #6, #7 and #9 Combined	4.2358	-0.2409
12	Iteration #4 - Versions #6 and #9 Combined	4.2190	-0.2387
13	Iteration #4 - Versions #7 and #9 Combined	4.1422	-0.23908
14	Iteration #4 - Version #6 Plus Replacements	4.1032	-0.23347
15	Iteration #4 - Version #9 with multiple corrections in the replacement routines	3.9925	-0.2248
16	Iteration #4 – The changes in Version #14 combined with those #9 and #7	4.2588	-0.24854
17	Iteration #4 - Version #16 with the - and - derivatives as Single Symbols	4.2809	-0.24630
18	Iteration #5 - Multiple fixes, with Removed and Added	4.2882	-0.25237
19	Iteration #5 - Derived from #18, using 5 different symbols as replacements for	4.1213	-0.2328
20	Iteration #5 – Derived from #19 with the remaining removed as well		
21	Iteration #5 - From #18 - with accumulated minor edits to the text	4.2915	-0.25264
22	Iteration #5 - From #21 - more fixes uncovered during phrase filling	4.2915	-0.25281

Table 3.5: Symbol Ranks in Takahashi's Transcription

Rank	Symbol		Symbol Count	Log Rank	Log Symbol Count	%	Probability	Zipf Rank Multiplier
1	o		23574	0	10.068	13.141	0.234	2
2	e		18772	0.693	9.84	10.464	0.117	3
3	h		16990	1.099	9.74	9.471	0.078	4
4	y		16387	1.386	9.704	9.135	0.059	5
5	a		13068	1.609	9.478	7.285	0.047	6
6	c		12694	1.792	9.449	7.076	0.039	7
7	d		12063	1.946	9.398	6.724	0.033	8
8	i		11241	2.079	9.327	6.266	0.029	9
9	k		10179	2.197	9.228	5.674	0.026	10
10	l		9700	2.303	9.18	5.407	0.023	11
11	r		6792	2.398	8.824	3.786	0.021	12
12	s		6777	2.485	8.821	3.778	0.02	13
13	t		6454	2.565	8.772	3.598	0.018	14
14	n		5909	2.639	8.684	3.294	0.017	15
15	q		5295	2.708	8.575	2.952	0.016	16
*** break in Zipf's Slope								
16	p		1643	2.773	7.404	0.916	0.015	17
17	m		1017	2.833	6.925	0.567	0.014	18
18	f		443	2.89	6.094	0.247	0.013	19
19	*		202	2.944	5.308	0.113	0.012	20
20	g		79	2.996	4.369	0.044	0.012	21
21	x		27	3.045	3.296	0.015	0.011	22
22	T		21	3.091	3.045	0.012	0.011	23
23	S		12	3.135	2.485	0.007	0.01	24
24	K		9	3.178	2.197	0.005	0.01	25
25	Y		7	3.219	1.946	0.004	0.009	26
26	©		5	3.258	1.609	0.003	0.009	27
27	v		4	3.296	1.386	0.002	0.009	27
27	«		4	3.296	1.386	0.002	0.009	29
29	ª		3	3.367	1.099	0.002	0.008	29
29	¬		3	3.367	1.099	0.002	0.008	29
29	F		3	3.367	1.099	0.002	0.008	32
32	I		2	3.466	0.693	0.001	0.007	32
32	O		2	3.466	0.693	0.001	0.007	32
32	?	?	2	3.466	0.693	0.001	0.007	32
32	z		2	3.466	0.693	0.001	0.007	36
36	Š		1	3.584	0	0.001	0.007	36
36	™		1	3.584	0	0.001	0.007	36
36	˜		1	3.584	0	0.001	0.007	36
36	ý		1	3.584	0	0.001	0.007	36
36	ü		1	3.584	0	0.001	0.007	NULL

Table 3.6: Properties Added to the SymbolTable to Denote Possible Classes

Column Name	Voynich Symbol	Transcription Representation	Column Name	Voynich Symbol	Transcription Representation	Column Name	Voynich Symbol	Transcription Representation
IsCGroup		e c	IsPGroup		r s	IsNumeral		1-5
IsOGroup		o • O	Is8Group		d g j m	IsBetaGroup		ß î í ï ð ñ
W-Group		w û â ã ø ú Ý ù Á ö W Þ ó ô ë	N-Group		Å ° k t î í ñ T K × z ‰	F-Group		Å f p F ð ï œ ¡ Ö ‰ Ç « ð ï

Table 3.7: Remaining Instances of (h) and (ce) after the Replacements in Versions #6 and #16

in Version #6

Rank	Digraph		Count
1	ch →ce		1035
2	ïh		6
3	¨h		4
4	kh		3
4	îh		3
6	ph		2
7	ðh		1
7	îh		1
7	oh →Oe		1

in Version #6

Rank	Digraph		Count
1	ch		316
2	pch		234
3	tch		124
4	kch		107
5	lch		77
6	fch		51
7	och		44
8	dch		38
9	ych		18
10	ech		17
11	rch		13
12	sch		5
13	ßch		3
14	ach		2
14	mch		2
16	nch		1
16	Ách		1
16	œch		1

 in Version #16

Rank	Digraph		Count
1	ce		1046
2	cs		10
3	ck		3
3	c		3
5	c¨		2
5	ct		2
5	cf		2
8	cy		1
8	co		1
8	cp		1
8	cF		1

Table 3.8: Ligatured vs. Non-Ligatured Forms of vs. (oe) by Section in Intermediate Versions

Section	Text Sequences Containing the Non-Ligatured Version	Text Sequences Containing the Ligatured Version	Count of Text Sequences
1	68	4	365
2	102	49	858
3	16	18	200
4	123	22	468

Table 3.9: Counts of W-Pentimal Symbols in Version #22

Rank	Symbol		Count	% of All Symbols in Document
13	w		4098	2.352
15	û		1735	0.996
20	â		644	0.37
23	ã		222	0.127
27	ø		150	0.086
32	ú		52	0.03
34	Ý		33	0.019
36	ù		28	0.016
37	Á		27	0.015
40	ö		17	0.01
60	Þ		2	0.001
60	ô		2	0.001
71	ó		1	0.001
71	W		1	0.001
71	ë		1	0.001

Table 3.10: Distributions of Polygraphs Containing the Symbol (i) in One Early Transcription

Rank	Digraph		Polygraph Count
1	in		943
2	ii		855
3	ir		275
4	is		52
5	im		45
6	il		40
7	ik		36
8	it		24
9	id		14
10	ip		13
11	io		11
12	ic		9
13	if		7
14	iy		5
15	ie		4
16	ih		3
17	iI		2
17	ia		2
19	ix		1

Preceded by Neither *a* Nor *o*			
1	ein		2
1	rin		2
1	kil		2
4	kin		1
4	kir		1
4	eie		1
4	rio		1
4	riy		1
4	sin		1
4	tir		1
4	eir		1
4	eis		1
4	hih		1
4	hir		1

Trigraphs Preceded by o			
1	oii		90
2	oin		14
3	oir		11
4	oik		10
5	oit		6
6	ois		3
7	oif		2
8	oih		1
8	oia		1
8	oie		1
8	oip		1

Trigraphs Preceded by *a*			
1	aii		655
2	ain		295
3	air		190
4	aim		32
5	ais		25
6	ail		21
7	aik		16
8	ait		12
9	aip		10
10	aic		6
11	aid		5
12	aif		4
13	aiI		2
13	aie		2
15	aio		1
15	aix		1
15	aiy		1

Table 3.11: Consecutive Instances of (i) in -[11] and -[11] Polygraphs

Rank	Polygraph		Length of Sequence	Polygraph Count
a				
1	aiin		3	835
2	ain		2	565
3	air		2	361
4	aiir		3	105
	an (sans i)		1	93
5	aiiin		4	89
6	aim		1	45
7	ais		1	32
	Á[1]		1	22
8	aiis		2	22
8	aiiis		3	22
10	aiiim		3	15
10	aiim		3	15
12	aiir		4	1

[11] -[11] followed by other characters in the 3rd iteration transcription

12	aiiiir		5	1
o				
1	oiin		2	151
2	oiiin		3	34
3	oin		1	23
4	oiiir		3	17
5	oir		1	13
6	oiiis		3	4
7	oiiim		3	1

Table 3.12: Reduction to the Alphabetic Symbol Set in Version #22, with Group Properties, Ranked by Frequency

#	Rank	Symbol	Voynich Font	Properties by Group Name								Numeral	Count	Document-Wide %
				"Beta"	C	F	N	O	P	8	W			
1	1	e		0	1	0	0	0	0	0	0	0	31186	17.896
2	2	o		0	0	0	0	1	0	0	0	0	26075	14.963
3	3	y		0	0	0	0	0	0	0	0	0	17877	10.259
4	4	a		0	0	0	0	0	0	0	0	0	14665	8.415
5	5	d		0	0	0	0	0	0	1	0	0	13238	7.597
6	6	c		0	1	0	0	0	0	0	0	0	11126	6.385
7	7	l		0	0	0	0	0	0	0	0	0	10683	6.13
8	8	k		0	0	0	1	0	0	0	0	0	10158	5.829
9	9	r		0	0	0	0	0	1	0	0	0	6850	3.931
10	10	t		0	0	0	1	0	0	0	0	0	6080	3.489
11	11	q		0	0	0	0	0	0	0	0	0	5454	3.13
12	12	ß		1	0	0	0	0	0	0	0	0	4568	2.621
13	13	w		0	0	0	0	0	0	0	1	0	4098	2.352
14	14	s		0	0	0	0	0	1	0	0	0	2891	1.659
15	15	û		0	0	0	0	0	0	0	1	0	1735	0.996
16	16	p		0	0	1	0	0	0	0	0	0	1462	0.839
17	17	m		0	0	0	0	0	0	1	0	0	1048	0.601
18	18	Ü		0	0	0	0	0	0	0	0	0	952	0.546
19	19	í		1	0	0	1	0	0	0	0	0	940	0.539
20	20	â		0	0	0	0	0	0	0	1	0	644	0.37
21	21	f		0	0	1	0	0	0	0	0	0	444	0.255
22	22	*		0	0	0	0	0	0	0	0	0	226	0.13
23	23	ã		0	0	0	0	0	0	0	1	0	222	0.127
24	23	ï		1	0	1	0	0	0	0	0	0	222	0.127
25	25	•		0	0	0	0	1	0	0	0	0	199	0.114
26	26	n		0	0	0	0	0	0	0	0	0	158	0.091
27	27	ø		0	0	0	0	0	0	0	1	0	150	0.086
28	28	g		0	0	0	0	0	0	1	0	0	144	0.083
29	29	i		0	0	0	0	0	0	0	0	0	142	0.081
30	30	h		0	0	0	0	0	0	0	0	0	122	0.07
31	31	ð		1	0	1	0	0	0	0	0	0	82	0.047
32	32	ú		0	0	0	0	0	0	0	1	0	52	0.03
33	33	x		0	0	0	0	0	0	0	0	0	41	0.024
34	34	Ý		0	0	0	0	0	0	0	1	0	33	0.019
35	35	ì		0	0	0	0	0	0	0	0	0	29	0.017
36	36	ù		0	0	0	0	0	0	0	1	0	28	0.016
37	37	Á		0	0	0	0	0	0	0	1	0	27	0.015
38	38	Ù		0	0	0	0	0	0	0	0	0	19	0.011
39	39	T		0	0	0	1	0	0	0	0	0	18	0.01
40	40	ö		0	0	0	0	0	0	0	1	0	17	0.01
41	41	à		0	0	0	0	0	0	0	0	0	14	0.008
42	42	v		0	0	0	0	0	0	0	0	0	10	0.006
43	42	K		0	0	0	1	0	0	0	0	0	10	0.006
44	42	O		0	0	0	0	1	0	0	0	0	10	0.006
45	45	¨		0	0	0	0	0	0	0	0	0	7	0.004
46	45	¬		0	0	0	0	0	0	0	0	0	7	0.004
47	47	j		0	0	0	0	0	0	1	0	0	6	0.003
48	48	ª		0	0	0	0	0	0	0	0	0	5	0.003
49	48	«		0	0	1	0	0	0	0	0	0	5	0.003
50	48	À		0	0	0	0	0	0	0	0	0	5	0.003
51	53	Œ		0	0	0	0	0	0	0	0	0	4	0.002
52	53	‘		0	0	0	0	0	0	0	0	0	4	0.002
53	53	z		0	0	0	1	0	0	0	0	0	4	0.002
54	53	©		0	0	0	0	0	0	0	0	0	4	0.002
55	57	Ð		0	0	0	0	0	0	0	0	0	3	0.002
56	57	u		0	0	0	0	0	0	0	0	0	3	0.002
57	57	F		0	0	1	0	0	0	0	0	0	3	0.002
58	60	É		0	0	0	0	0	0	0	0	0	2	0.001
59	60	ü		0	0	0	0	0	0	0	0	0	2	0.001
60	60	Þ		0	0	0	0	0	0	0	1	0	2	0.001
61	60	*f*		0	0	0	0	0	0	0	0	0	2	0.001
62	60	°		0	0	0	1	0	0	0	0	0	2	0.001
63	60	½		0	0	0	0	0	0	0	0	0	2	0.001

64	60	×		0	0	0	1	0	0	0	0	0	2	0.001
65	60	ô		0	0	0	0	0	0	0	1	0	2	0.001
66	60	Ò		0	0	0	0	0	0	0	0	0	2	0.001
67	60	Î		0	0	0	0	0	0	0	0	0	2	0.001
68	60	Ä		0	0	1	1	0	0	0	0	0	2	0.001
69	71	b		0	0	0	0	0	0	0	0	0	1	0.001
70	71	ñ		1	0	0	1	0	0	0	0	0	1	0.001
71	71	ó		0	0	0	0	0	0	0	1	0	1	0.001
72	71	ý		0	0	0	0	0	0	0	0	0	1	0.001
73	71	Õ		0	0	0	0	0	0	0	0	0	1	0.001
74	71	õ		0	0	0	0	0	0	0	0	0	1	0.001
75	71	Ö		0	0	1	0	0	0	0	0	0	1	0.001
76	71	÷		0	0	0	0	0	0	0	0	0	1	0.001
77	71	1		0	0	0	0	0	0	0	0	1	1	0.001
78	71	2		0	0	0	0	0	0	0	0	1	1	0.001
79	71	3		0	0	0	0	0	0	0	0	1	1	0.001
80	71	4		0	0	0	0	0	0	0	0	1	1	0.001
81	71	5		0	0	0	0	0	0	0	0	1	1	0.001
82	71	Ç		0	0	1	0	0	0	0	0	0	1	0.001
83	71	‰		0	0	1	1	0	0	0	0	0	1	0.001
84	71	Š		0	0	0	0	0	0	0	0	0	1	0.001
85	71	š		0	0	0	0	0	0	0	0	0	1	0.001
86	71	œ		0	0	1	0	0	0	0	0	0	1	0.001
87	71	¡		0	0	1	0	0	0	0	0	0	1	0.001
88	71	¦		0	0	0	0	0	0	0	0	0	1	0.001
89	71	W		0	0	0	0	0	0	0	1	0	1	0.001
90	71	ê		0	0	0	0	0	0	0	0	0	1	0.001
91	71	ë		0	0	0	0	0	0	0	1	0	1	0.001

Table 4.1: Initial Symbol Rankings for Version #29

#	Rank	Symbol	Symbol	Document-Wide Count	%
1	1	e	⊂	38231	19.162
2	2	o	⊃	26214	13.139
3	3	c	⊂̄	18023	9.034
4	4	y	⊃̄	17882	8.963
5	5	a	⊃̆	14699	7.368
6	6	d	⊃̆̄	13245	6.639
7	7	i	⊂̆	11893	5.961
8	8	k	⊂̆̄	11111	5.569
9	9	l	⊂̆⊂̆	10709	5.368
10	10	r	⊂̆⊃̆	7653	3.836
11	11	s	⊂̆⊂̆̄	7528	3.773
12	12	t	⊂̆⊃̆̄	7043	3.530
13	13	n	⊂̆⊃̆⊂̆	6212	3.114
14	14	q	⊂̆⊃̆⊂̆⊃̆	5454	2.734
15	15	p	⊂̆⊃̆⊂̆⊃̆⊂̆	1697	0.851
16	16	m	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	1110	0.556
17	17	f	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆	534	0.268
18	18	g	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	153	0.077
19	19	x	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆	43	0.022
20	20	Å	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	29	0.015
21	21	v	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆	9	0.005
22	22	j	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	6	0.003
23	22	ª	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆	6	0.003
24	22	¬	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	6	0.003
25	25	À	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆	5	0.003
26	26	Œ	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	4	0.002
27	26	©	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆	4	0.002
28	28	°	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	2	0.001
29	28	Ð	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆	2	0.001
30	30	ê	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆	1	0.001
31	30	÷	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	1	0.001
32	30	Ë	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	1	0.001
33	30	Š	⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆⊂̆⊃̆	1	0.001

Table 4.2: Symbol Rankings for Version #59 Compared to an Intermediate of Version #29 with Functions

Version #59					Version #29			Possible Glyph Origins and Examples in Computistic Manuscripts	Final Functional Determination by the End of the Project
Rank	Symbol	Voynich Font	Document Count	%	Rank	Document Count	%		
1	e	ᵉ	38067	19.144	1	37482	19.245	Repetitions within labels found in computistic manuscripts; a doublet is found in St. Hildegard's *Lingua Ignota*	Enumerator (possibly tied to dosage, timing, severity of disease and perhaps individual class items, depending on the infix slot)
2	o	ᵒ	25956	13.054	2	25601	13.145	Common, easily recognized vowel *o*; examples in *Astronomisch-Astrologische Sammelhandschrift*	Derivational marker for nouns
3	c	ᶜ	18125	9.115	3	17582	9.027		Semantic superclass marker
4	y	ᶹ	17907	9.006	4	17490	8.980	*Astronomisch-Astrologische Sammelhandschrift*; an overline variant found in a Catalan Atlas, St. Gall	Derivational marker for modifiers (in the absence of *o*)
5	a	ᵃ	14607	7.346	5	14229	7.306	Common, easily recognized vowel *a*	Derivational marker for verbs (in the absence of *o*)
6	d	ᵈ	13225	6.651	6	12955	6.652	Likenesses found in many ancient and medieval documents including the *Codex of St. Gall*, the *Computus Cottonianus*, *Tiberius Psalter*, Vat. lat. 869 (14th Century), *Aries Facit Calorem Temperatum*; Astronomisch-Astrologische Sammelhandschrift; *Recueil Composite Constitué de Deux Manuscrits*	Subclass marker when in the final consonant slot, a case role in the prefix slot
7	i	ᵢ	11824	5.946	7	11603	5.957	Repetitions within labels found in computistic manuscripts and pentadic numeral systems; found in *Astronomisch-Astrologische Sammelhandschrift*	Enumerator (especially with a-Bases and processing instructions)
8	k	ᵏ	11094	5.579	8	10840	5.566		Clause marker in the prefix slot, possibly a quantifier or subclass marker when following *c*; associated with relatively benign treatments/diseases when acting as a subclass marker after *o*; rarely used as a subclass marker in the trailing consonant slot
9	l	ˡ	10655	5.358	9	10376	5.328	Found in many other European and occult scripts; *P* in some pre-Roman Mediterranean alphabets; *j* and *d* in Demotic; Alcuin's letters (8th Century A.D.); *Calendar of Zwiefalten*; Vat. lat. 869 (14th Century), *Astronomisch-Astrologische Sammelhandschrift*; *Recueil Composite Constitué de Deux Manuscrits*	Subclass marker when in the final consonant slot, possibly OR when acting as a prefix; often contrasts with [rs]
10	r	ʳ	7585	3.815	10	7435	3.817		Subclass marker when in the final consonant slot, a case role in the prefix slot; often contrasts with *l*
11	s	ˢ	7430	3.737	11	7367	3.783		Subclass marker when in the final consonant slot, a case role in the prefix slot, possibly; often acts as an extension of whatever meaning *r* bears in a particular slot
12	t	ᵗ	6975	3.508	12	6870	3.527		Clause marker in the prefix slot, possibly a quantifier or subclass marker when following *c*; associated with relatively benign treatments/diseases when acting as a subclass marker after *o*; rarely used as a subclass marker in the trailing consonant slot
13	n	ⁿ	6194	3.115	13	6072	3.118	*Astronomisch-Astrologische Sammelhandschrift* contains possible examples preceded by *a*, as in the Voynich Manuscript	Subclass marker exclusively found in the trailing consonant slot
14	q	ᑫ	5432	2.732	14	5345	2.744	Clear lineages in Latin, runic, other scripts; signifies *q* in Latin, *D* in some other pre-Roman Mediterranean alphabets; Dalet, Resh in Paleo-Hebrew; Vat. lat. 869 (14th Century); *Astronomisch-Astrologische Sammelhandschrift*; *Life of St. Gall*; *Recueil Composite Constitué de Deux Manuscrits*	AND prefix, possibly incorporating sequence information like *and then…*
15	p	ᵖ	1675	0.842	15	1663	0.854	Some runic, occult, other symbols bear some resemblance to stylized versions of [fp]	Clause marker in the prefix slot, possibly a quantifier or subclass marker when following *c*; associated with relatively benign treatments/diseases when acting as a subclass marker after *o*; rarely used as a subclass marker in the trailing consonant slot
16	m	ᵐ	1116	0.561	16	1058	0.543		Subclass marker with spatio-temporal connotations like *to come out of*
17	f	ᶠ	526	0.265	17	523	0.269	Some runic, occult, other symbols bear some resemblance to stylized versions of [fp]	Clause marker in the prefix slot, possibly a quantifier or subclass marker when following *c*; associated with relatively benign treatments/diseases when acting as a subclass marker after *o*; rarely used as a subclass marker in the trailing consonant slot
18	*	*	234	0.118	-	-	-		Placeholder for an uncertain character
19	g	ᵍ	132	0.066	18	151	0.078	Related to the ampersand, used in Latin to signify *and*; *Q* in Phoenician; likenesses found in many ancient and medieval documents including the *Codex of St. Gall*, the *Computus Cottonianus*, *Tiberius Psalter*, *Calendar of Zwiefalten*, Vat. lat. 869 (14th Century), Aries Facit Calorem Temperatum	Subclass marker with spatio-temporal connotations like *to come out of*
20	x	ˣ	37	0.019	19	43	0.022		Rarely used letter used in consonant slots, particularly in Section 5 and the Rosette Folio; probably a subclass marker. May be used to specify spatial information to some extent.
21	b	ᵇ	31	0.016	-	-	-		
22	v	ᵛ	7	0.004	21	9	0.005		Punctuation marker limited almost entirely to f57v

23	j	ꝏ	6	0.003	22	7	0.004	Possible examples in the *Life of St. Gall*	Subclass marker with spatio-temporal connotations like *to come out of*
24	ª	ꝛ	1	0.001	23	6	0.003	Probably an occult ideograph	
24	¬	ꝛ	1	0.001	23	6	0.003		
24	ê	ê	1	0.001	30	1	0.001	Probably extraneous	
-	Å	ꝟ	-	-	20	29	0.015		
-	À	ꝛ	-	-	25	0.003	5		
-	Œ	ꝭ	-	-	26	0.002	4		
-	©		-	-	26	0.002	4		
-	°	ꝟ	-	-	28	0.001	2		
-	Ð	ꝯ	-	-	28	0.001	2		
-	÷	ꝝ	-	-	30	0.001	1		
-	Š	ꝯ	-	-	30	0.001	1		
-	Ë	ꝛ	-	-	30	0.001	1		

Table 4.3: Frequencies of Letters as Initiators and Terminators across All Words in the Document (Including Duplicates) in Version #16

Ordered by 1st Symbol

Glyph		1st	Last	1st Word Count	Last Word Count	% of All Words	% 1st	% Last
	o	1933	326	8899	1272	57.926	23.068	3.297
	c	1132	3	6051	9	27.905	15.686	0.023
	q	850	1	5425	1	14.151	14.063	0.003
	d	621	342	3710	655	32.999	9.617	1.698
	ß	550	15	3277	30	11.756	8.495	0.078
	a	281	79	2009	96	36.133	5.208	0.249
	y	634	3178	1936	15542	43.466	5.019	40.288
	l	374	960	1378	5980	26.088	3.572	15.501
	s	319	521	1304	1332	7.199	3.38	3.453
	k	322	28	1171	74	26.091	3.035	0.192
	t	343	24	992	51	15.587	2.571	0.132
	p	286	16	551	30	3.751	1.428	0.078
	î	89	4	504	10	2.501	1.306	0.026
	r	135	988	503	5212	17.036	1.304	13.511
	í	47	3	199	5	2.424	0.516	0.013
	e	103	69	147	118	50.833	0.381	0.306
	ï	59	0	130	0	0.575	0.337	0
	f	90	17	126	24	1.143	0.327	0.062
	•	50	1	57	1	0.43	0.148	0.003
	ð	20	0	34	0	0.207	0.088	0
	x	9	9	19	17	0.109	0.049	0.044
	g	8	81	19	101	0.345	0.049	0.262
	m	3	361	16	1005	2.701	0.041	2.605
	v	3	1	9	7	0.026	0.023	0.018
	i	7	5	7	6	0.184	0.018	0.016
	«	1	1	5	5	0.013	0.013	0.013
	Œ	2	1	4	3	0.01	0.01	0.008
	¨	3	0	3	0	0.013	0.008	0
	n	1	79	3	149	0.404	0.008	0.386
	ø	2	49	3	132	0.391	0.008	0.342
	O	2	0	2	0	0.023	0.005	0
	h	2	3	2	3	0.316	0.005	0.008
	ã	2	73	2	192	0.534	0.005	0.498
	À	1	3	2	4	0.013	0.005	0.01
	à	2	0	2	0	0.036	0.005	0
	û	1	288	2	1715	4.521	0.005	4.446
	W	1	0	1	0	0.003	0.003	0
	w	1	548	1	4104	10.742	0.003	10.638
	u	1	2	1	2	0.008	0.003	0.005
	z	1	2	1	2	0.01	0.003	0.005
	Đ	1	1	1	1	0.003	0.003	0.003
	Á	1	0	1	0	0.065	0.003	0
	É	1	0	1	0	0.005	0.003	0
	ê	1	0	1	0	0.003	0.003	0
	‘	1	1	1	1	0.008	0.003	0.003
	f	1	0	1	0	0.005	0.003	0
	š	1	1	1	1	0.003	0.003	0.003
	œ	1	0	1	0	0.003	0.003	0
	b	1	0	1	0	0.003	0.003	0
	Ö	1	0	1	0	0.003	0.003	0
	Ò	1	2	1	2	0.005	0.003	0.005

Ordered by Last Symbol

Glyph		1st	Last	1st Word Count	Last Word Count	% of All Words	% 1st Symbol	% Last Symbol
	y	634	3178	1936	15542	43.466	5.019	40.288
	l	374	960	1378	5980	26.088	3.572	15.501
	r	135	988	503	5212	17.036	1.304	13.511
	w	1	548	1	4104	10.742	0.003	10.638
	û	1	288	2	1715	4.521	0.005	4.446
	s	319	521	1304	1332	7.199	3.38	3.453
	o	1933	326	8899	1272	57.926	23.068	3.297
	m	3	361	16	1005	2.701	0.041	2.605
	d	621	342	3710	655	32.999	9.617	1.698
	â	0	131	0	502	1.654	0	1.301
	ã	2	73	2	192	0.534	0.005	0.498
	n	1	79	3	149	0.404	0.008	0.386
	ø	2	49	3	132	0.391	0.008	0.342
	e	103	69	147	118	50.833	0.381	0.306
	g	8	81	19	101	0.345	0.049	0.262
	a	281	79	2009	96	36.133	5.208	0.249
	k	322	28	1171	74	26.091	3.035	0.192
	t	343	24	992	51	15.587	2.571	0.132
	ú	0	26	0	45	0.135	0	0.117
	ß	550	15	3277	30	11.756	8.495	0.078
	p	286	16	551	30	3.751	1.428	0.078
	Ý	0	17	0	24	0.083	0	0.062
	f	90	17	126	24	1.143	0.327	0.062
	ù	0	16	0	22	0.07	0	0.057
	ö	0	11	0	18	0.047	0	0.047
	x	9	9	19	17	0.109	0.049	0.044
	î	89	4	504	10	2.501	1.306	0.026
	c	1132	3	6051	9	27.905	15.686	0.023
	v	3	1	9	7	0.026	0.023	0.018
	i	7	5	7	6	0.184	0.018	0.016
	í	47	3	199	5	2.424	0.516	0.013
	«	1	1	5	5	0.013	0.013	0.013
	À	1	3	2	4	0.013	0.005	0.01
	h	2	3	2	3	0.316	0.005	0.008
	Œ	2	1	4	3	0.01	0.01	0.008
	½	0	2	0	2	0.005	0	0.005
	Î	0	2	0	2	0.005	0	0.005
	Ò	1	2	1	2	0.005	0.003	0.005
	z	1	2	1	2	0.01	0.003	0.005
	u	1	2	1	2	0.008	0.003	0.005
	q	850	1	5425	1	14.151	14.063	0.003
	Đ	1	1	1	1	0.003	0.003	0.003
	ó	0	1	0	1	0.003	0	0.003
	j	0	1	0	1	0.008	0	0.003
	T	0	1	0	1	0.049	0	0.003
	ë	0	1	0	1	0.003	0	0.003
	Ç	0	1	0	1	0.003	0	0.003
	Å	0	1	0	1	0.005	0	0.003
	‘	1	1	1	1	0.008	0.003	0.003
	•	50	1	57	1	0.43	0.148	0.003
	š	1	1	1	1	0.003	0.003	0.003

Table 4.4: Frequencies of Letters as Initiators and Terminators for All Distinct Words in Version #16

Ordered by 1st Symbol

Glyph		1st	Last	1st Word Count	Last Word Count	% of All Words	% 1st	% Last
	o	1933	326	8899	1272	57.926	23.068	3.297
	c	1132	3	6051	9	27.905	15.686	0.023
	q	850	1	5425	1	14.151	14.063	0.003
	d	621	342	3710	655	32.999	9.617	1.698
	ß	550	15	3277	30	11.756	8.495	0.078
	a	281	79	2009	96	36.133	5.208	0.249
	y	634	3178	1936	15542	43.466	5.019	40.288
	l	374	960	1378	5980	26.088	3.572	15.501
	s	319	521	1304	1332	7.199	3.38	3.453
	k	322	28	1171	74	26.091	3.035	0.192
	t	343	24	992	51	15.587	2.571	0.132
	p	286	16	551	30	3.751	1.428	0.078
	î	89	4	504	10	2.501	1.306	0.026
	r	135	988	503	5212	17.036	1.304	13.511
	í	47	3	199	5	2.424	0.516	0.013
	e	103	69	147	118	50.833	0.381	0.306
	ï	59	0	130	0	0.575	0.337	0
	f	90	17	126	24	1.143	0.327	0.062
	•	50	1	57	1	0.43	0.148	0.003
	ð	20	0	34	0	0.207	0.088	0
	x	9	9	19	17	0.109	0.049	0.044
	g	8	81	19	101	0.345	0.049	0.262
	m	3	361	16	1005	2.701	0.041	2.605
	v	3	1	9	7	0.026	0.023	0.018
	i	7	5	7	6	0.184	0.018	0.016
	«	1	1	5	5	0.013	0.013	0.013
	Œ	2	1	4	3	0.01	0.01	0.008
	¨	3	0	3	0	0.013	0.008	0
	n	1	79	3	149	0.404	0.008	0.386
	ø	2	49	3	132	0.391	0.008	0.342
	O	2	0	2	0	0.023	0.005	0
	h	2	3	2	3	0.316	0.005	0.008
	ã	2	73	2	192	0.534	0.005	0.498
	À	1	3	2	4	0.013	0.005	0.01
	à	2	0	2	0	0.036	0.005	0
	û	1	288	2	1715	4.521	0.005	4.446
	W	1	0	1	0	0.003	0.003	0
	w	1	548	1	4104	10.742	0.003	10.638
	u	1	2	1	2	0.008	0.003	0.005
	z	1	2	1	2	0.01	0.003	0.005
	Ð	1	1	1	1	0.003	0.003	0.003
	Á	1	0	1	0	0.065	0.003	0
	É	1	0	1	0	0.005	0.003	0
	ê	1	0	1	0	0.003	0.003	0
	‘	1	1	1	1	0.008	0.003	0.003
	f	1	0	1	0	0.005	0.003	0
	š	1	1	1	1	0.003	0.003	0.003
	œ	1	0	1	0	0.003	0.003	0
	b	1	0	1	0	0.003	0.003	0
	Ö	1	0	1	0	0.003	0.003	0
	Ò	1	2	1	2	0.005	0.003	0.005

Ordered by Last Symbol

Glyph		1st	Last	1st Word Count	Last Word Count	% of All Words	% 1st	% Last
	y	634	3178	1936	15542	43.466	5.019	40.288
	l	374	960	1378	5980	26.088	3.572	15.501
	r	135	988	503	5212	17.036	1.304	13.511
	w	1	548	1	4104	10.742	0.003	10.638
	û	1	288	2	1715	4.521	0.005	4.446
	s	319	521	1304	1332	7.199	3.38	3.453
	o	1933	326	8899	1272	57.926	23.068	3.297
	m	3	361	16	1005	2.701	0.041	2.605
	d	621	342	3710	655	32.999	9.617	1.698
	ã	2	73	2	192	0.534	0.005	0.498
	n	1	79	3	149	0.404	0.008	0.386
	ø	2	49	3	132	0.391	0.008	0.342
	e	103	69	147	118	50.833	0.381	0.306
	g	8	81	19	101	0.345	0.049	0.262
	a	281	79	2009	96	36.133	5.208	0.249
	k	322	28	1171	74	26.091	3.035	0.192
	t	343	24	992	51	15.587	2.571	0.132
	ß	550	15	3277	30	11.756	8.495	0.078
	p	286	16	551	30	3.751	1.428	0.078
	f	90	17	126	24	1.143	0.327	0.062
	x	9	9	19	17	0.109	0.049	0.044
	î	89	4	504	10	2.501	1.306	0.026
	c	1132	3	6051	9	27.905	15.686	0.023
	v	3	1	9	7	0.026	0.023	0.018
	i	7	5	7	6	0.184	0.018	0.016
	í	47	3	199	5	2.424	0.516	0.013
	«	1	1	5	5	0.013	0.013	0.013
	À	1	3	2	4	0.013	0.005	0.01
	Œ	2	1	4	3	0.01	0.01	0.008
	h	2	3	2	3	0.316	0.005	0.008
	u	1	2	1	2	0.008	0.003	0.005
	z	1	2	1	2	0.01	0.003	0.005
	Ò	1	2	1	2	0.005	0.003	0.005
	q	850	1	5425	1	14.151	14.063	0.003
	•	50	1	57	1	0.43	0.148	0.003
	Ð	1	1	1	1	0.003	0.003	0.003
	‘	1	1	1	1	0.008	0.003	0.003
	š	1	1	1	1	0.003	0.003	0.003
	ï	59	0	130	0	0.575	0.337	0
	ð	20	0	34	0	0.207	0.088	0
	¨	3	0	3	0	0.013	0.008	0
	O	2	0	2	0	0.023	0.005	0
	à	2	0	2	0	0.036	0.005	0
	W	1	0	1	0	0.003	0.003	0
	Á	1	0	1	0	0.065	0.003	0
	É	1	0	1	0	0.005	0.003	0
	ê	1	0	1	0	0.003	0.003	0
	f	1	0	1	0	0.005	0.003	0
	œ	1	0	1	0	0.003	0.003	0
	b	1	0	1	0	0.003	0.003	0
	Ö	1	0	1	0	0.003	0.003	0

Table 4.5: Initiator and Terminator Frequencies for Symbols, When Present in a Particular Word or Paragraph

Symbol		Distinct Words					Words					In Paragraphs		
		Count	1st Symbol Count	Last Symbol Count	1st Symbol %	Last Symbol %	Count	1st Symbol Count	Last Symbol Count	1st Symbol %	Last Symbol %	1st Symbol Count	Last Symbol Count	1st in Paragraph %
	o	5491	1933	326	35.203	5.937	7163	1933	326	26.986	4.551	20	8	0.279
	c	2997	1132	3	37.771	0.1	3283	1132	3	34.481	0.091	1	0	0.03
	q	882	850	1	96.372	0.113	884	850	1	96.154	0.113	32	0	3.62
	y	3807	634	3178	16.654	83.478	4253	634	3178	14.907	74.724	15	328	0.353
	d	3104	621	342	20.006	11.018	3423	621	342	18.142	9.991	19	6	0.555
	ß	1243	550	15	44.248	1.207	1278	550	15	43.036	1.174	7	0	0.548
	l	2755	374	960	13.575	34.846	3105	374	960	12.045	30.918	2	66	0.064
	s	1178	319	521	27.08	44.228	1245	319	521	25.622	41.847	14	23	1.124
	a	3419	281	79	8.219	2.311	3888	281	79	7.227	2.032	0	1	0
	r	1699	135	988	7.946	58.152	1835	135	988	7.357	53.842	2	64	0.109
	e	5147	103	69	2.001	1.341	8922	103	69	1.154	0.773	0	0	0
	•	146	50	1	34.247	0.685	151	50	1	33.113	0.662	0	0	0
	x	32	9	9	28.125	28.125	32	9	9	28.125	28.125	0	0	0
	g	112	8	81	7.143	72.321	112	8	81	7.143	72.321	0	5	0
	i	63	7	5	11.111	7.937	126	7	5	5.556	3.968	0	0	0
	m	395	3	361	0.759	91.392	405	3	361	0.741	89.136	0	79	0
	v	4	3	1	75	25	4	3	1	75	25	0	0	0
	O	9	2	0	22.222	0	9	2	0	22.222	0	0	0	0
	ø	67	2	49	2.985	73.134	67	2	49	2.985	73.134	0	0	0
	h	90	2	3	2.222	3.333	92	2	3	2.174	3.261	0	0	0
	à	13	2	0	15.385	0	13	2	0	15.385	0	0	0	0
	ã	86	2	73	2.326	84.884	87	2	73	2.299	83.908	0	8	0
	Œ	2	2	1	100	50	2	2	1	100	50	0	0	0
	‘	3	1	1	33.333	33.333	4	1	1	25	25	0	0	0
	f	2	1	0	50	0	2	1	0	50	0	0	0	0
	À	4	1	3	25	75	4	1	3	25	75	0	0	0
	b	1	1	0	100	0	1	1	0	100	0	0	0	0
	Á	24	1	0	4.167	0	24	1	0	4.167	0	0	0	0
	É	2	1	0	50	0	2	1	0	50	0	0	0	0
	ê	1	1	0	100	0	1	1	0	100	0	0	0	0
	n	86	1	79	1.163	91.86	86	1	79	1.163	91.86	0	6	0
	Ò	2	1	2	50	100	2	1	2	50	100	0	0	0
	W	1	1	0	100	0	1	1	0	100	0	0	0	0
	w	583	1	548	0.172	93.997	584	1	548	0.171	93.836	0	101	0
	û	316	1	288	0.316	91.139	316	1	288	0.316	91.139	0	51	0
	u	3	1	2	33.333	66.667	3	1	2	33.333	66.667	0	0	0
	Ð	1	1	1	100	100	1	1	1	100	100	0	0	0
	Þ	1	0	0	0	0	1	0	0	0	0	0	0	0
	Ý	25	0	17	0	68	25	0	17	0	68	0	0	0
	ù	21	0	16	0	76.19	21	0	16	0	76.19	0	0	0
	ú	33	0	26	0	78.788	33	0	26	0	78.788	0	2	0
	ó	1	0	1	0	100	1	0	1	0	100	0	0	0
	ô	1	0	0	0	0	1	0	0	0	0	0	0	0
	ö	11	0	11	0	100	11	0	11	0	100	0	3	0
	ì	22	0	0	0	0	22	0	0	0	0	0	0	0
	Î	2	0	2	0	100	2	0	2	0	100	0	0	0
	j	2	0	1	0	50	2	0	1	0	50	0	0	0
	ë	1	0	1	0	100	1	0	1	0	100	0	0	0
	â	236	0	131	0	55.508	237	0	131	0	55.274	0	2	0
	¦	1	0	0	0	0	1	0	0	0	0	0	0	0
	½	2	0	2	0	100	2	0	2	0	100	0	0	0
	÷	1	0	0	0	0	1	0	0	0	0	0	0	0
	Š	1	0	0	0	0	1	0	0	0	0	0	0	0

Table 4.6: Top 25 Deviations from Expected Conditional Probabilities between 1st and Last Symbols in the Same Word

Rank #1	Rank #2	1st Symbol	Last Symbol			Word Count	%	1st Symbol Probability	Last Symbol Probability	Independent Expected Probability	Dependent Probability	Conditional Independence Difference
1	1	ȣ	ȝ	d	y	836	2.167	0.09617	0.40288	0.03874	0.02167	-0.01707
2	2	ꞃ	ȝ	c	y	3074	7.969	0.15686	0.40288	0.06319	0.07969	0.01649
3	3	ꞅ	ȝ	a	y	237	0.614	0.05208	0.40288	0.02098	0.00614	-0.01484
4	4	ȣ	ꞷ	d	w	945	2.45	0.09617	0.10638	0.01023	0.0245	0.01426
5	5	ꞓ	ȝ	ß	y	1856	4.811	0.08495	0.40288	0.03422	0.04811	0.01388
6	6	ꞗ	ȝ	q	y	2635	6.831	0.14063	0.40288	0.05665	0.06831	0.01165
7	7	ꞃ	ꞷ	c	w	316	0.819	0.15686	0.10638	0.01668	0.00819	-0.00849
8	8	ꞁ	ȝ	s	y	226	0.586	0.0338	0.40288	0.01361	0.00586	-0.00775
9	9	ꝋ	ȝ	o	y	3286	8.518	0.23068	0.40288	0.09293	0.08518	-0.00775
10	10	ꞅ	ꞷ	a	w	506	1.312	0.05208	0.10638	0.00554	0.01312	0.00757
11	11	ꞁ	ꞁ	s	s	279	0.723	0.0338	0.03453	0.00116	0.00723	0.00606
12	12	ꞓ	ꞷ	ß	w	118	0.306	0.08495	0.10638	0.00903	0.00306	-0.00597
13	13	ꝋ	ȥ	o	l	1605	4.161	0.23068	0.15501	0.03575	0.04161	0.00585
14	14	ꞗ	ꞅ	q	r	539	1.397	0.14063	0.13511	0.01900	0.01397	-0.00503
15	15	ꞗ	ꞇ	q	û	414	1.073	0.14063	0.04446	0.00625	0.01073	0.00447
16	16	ȝ	ȝ	y	y	936	2.426	0.05019	0.40288	0.02022	0.02426	0.00403
17	17	ꞓ	ꞅ	ß	r	293	0.76	0.08495	0.13511	0.01147	0.0076	-0.00387
18	18	ꞅ	ꞅ	a	r	421	1.091	0.05208	0.13511	0.00703	0.01091	0.00387
19	19	ꝋ	ꞅ	o	r	1337	3.466	0.23068	0.13511	0.03116	0.03466	0.00349
20	20	ꞃ	ꞇ	c	û	140	0.363	0.15686	0.04446	0.00697	0.00363	-0.00334
21	21	ꝋ	ꞷ	o	w	831	2.154	0.23068	0.10638	0.02453	0.02154	-0.00299
22	22	ȥ	ȝ	l	y	670	1.737	0.03572	0.40288	0.01439	0.01737	0.00297
23	23	ꞗ	ꞁ	q	s	79	0.205	0.14063	0.03453	0.00485	0.00205	-0.00280
24	24	ꞓ	ꝋ	ß	o	210	0.544	0.08495	0.03297	0.00280	0.00544	0.00263
25	25	ꞓ	ꞇ	ß	û	48	0.124	0.08495	0.04446	0.00377	0.00124	-0.00253

Table 4.7: Remaining Instances of ꝛ (n) after the Replacements in Version #16

Rank	Digraph		Count	# Occurring at the End of Words
1	an	ꝛꝛ	91	88
2	en	ꝛꝛ	14	17
3	n	ꝛ	2	2
3	on	ꝛꝛ	2	2
5	rn	ꝛꝛ	1	1
5	ûn	ꞇꝛ	1	1
5	Wn	ꞷꝛ	1	1
5	Ýn	ꞅꝛ	1	1
5	ân	ꞅꝛ	1	1

Table 4.8: Differentiation in Functions between F-Group and N-Group Letters in Version #16

	Glyph	All/Distinct Words			Initiators				Terminators				s			
		Words	Distinct #	Ratio	Words	Distinct #	%	Distinct %	Words	Distinct	%	Distinct %	Words	Distinct	%	Distinct %
	The F-Group															
	p	1453	767	0.528	550	286	37.853	37.288	30	16	2.065	2.086	881	468	60.633	61.017
	f	444	340	0.766	126	90	28.378	26.471	24	17	5.405	5	301	235	67.793	69.118
	«	5	1	0.200	5	1	100	100	5	1	100	100	0	0	0	0
	œ	1	1	1	1	1	100	100	0	0	0	0	0	0	0	0
	F	3	3	1	0	0	0	0	0	0	0	0	3	3	100	100
	Ç	1	1	1	0	0	0	0	1	1	100	100	0	0	0	0
	¡	1	1	1	0	0	0	0	0	0	0	0	1	1	100	100
	The N-Group															
	k	10122	2348	0.232	1171	322	11.569	13.714	74	28	0.731	1.193	8887	2017	87.799	85.903
	t	6060	1670	0.276	990	342	16.337	20.479	51	24	0.842	1.437	5027	1321	82.954	79.102
	¨	6	5	0.833	3	3	50	60	0	0	0	0	3	3	50	60
	z	4	4	1	1	1	25	25	2	2	50	50	1	1	25	25
	Ö	1	1	1	1	1	100	100	0	0	0	0	0	0	0	0
	‰	1	1	1	0	0	0	0	0	0	0	0	1	1	100	100
	×	2	2	1	0	0	0	0	0	0	0	0	2	2	100	100
	Å	2	2	1	0	0	0	0	1	1	50	50	1	1	50	50
	K	10	10	1	0	0	0	0	0	0	0	0	10	10	100	100
	T	18	15	0.833	0	0	0	0	1	1	5.556	6.667	17	14	94.444	93.333
	Beta-Group Members Also Found in the F-Group and N-Group															
	î	970	264	0.272	504	89	51.959	33.712	10	4	1.031	1.515	461	176	47.526	66.667
	í	936	249	0.266	199	47	21.261	18.876	5	3	0.534	1.205	732	200	78.205	80.321
	ï	222	120	0.541	130	59	58.559	49.167	0	0	0	0	92	61	41.441	50.833
	ð	80	61	0.763	34	20	42.500	32.787	0	0	0	0	46	41	57.500	67.213
	ñ	1	1	1.000	0	0	0	0	0	0	0	0	1	1	100	100

Table 4.9: Frequencies of Paragraph Initiation and Termination Symbols in Version #16

Initiators

Rank	Symbol		Paragraph Count	% of Paragraphs	% 1st Symbol
1		p	338	44.828	1.428
2		t	173	22.944	2.571
3		k	80	10.61	3.035
4		f	33	4.377	0.327
5		q	32	4.244	14.063
6		o	20	2.653	23.068
7		d	19	2.52	9.617
8		y	15	1.989	5.019
9		s	14	1.857	3.38
10		ß	7	0.928	8.495
10		î	7	0.928	1.306
12		ï	5	0.663	0.337
13		¨	3	0.398	0.036
14		*	2	0.265	
14		l	2	0.265	3.572
14		r	2	0.265	1.304
17		œ	1	0.133	0.012
17		c	1	0.133	15.686
N/A		a	0	0	5.208

Terminators

Rank	Symbol		Paragraph Count	% of Paragraphs	% Last Symbol
1		y	328	43.501	40.288
2		w	101	13.395	10.638
3		m	79	10.477	2.605
4		l	66	8.753	15.501
5		r	64	8.488	13.511
6		û	51	6.764	4.446
7		s	23	3.05	3.453
8		o	8	1.061	3.297
8		ã	8	1.061	0.498
10		d	6	0.796	1.698
10		n	6	0.796	0.386
12		g	5	0.663	0.262
13		ö	3	0.398	0
14		â	2	0.265	0
14		ú	2	0.265	0
16		t	1	0.133	0.132
16		a	1	0.133	0.249

Table 4.10: Identification of Paragraph Initiators and Terminators in Version #26

	Paragraph Initiator Score		Paragraph Terminator Score
Top 6			
[illegible]	0.43222	[illegible]	0.34724
[illegible]	0.18764	[illegible]	0.18793
[illegible]	0.04741	[illegible]	0.10396
[illegible]	0.03985	[illegible]	0.04798
[illegible]	0.01390	[illegible]	0.03264
[illegible]	0.00244	[illegible]	0.00571
Bottom 6			
[illegible]	-0.05964	[illegible]	-0.05736
[illegible]	-0.06325	[illegible]	-0.05964
[illegible]	-0.06771	[illegible]	-0.07237
[illegible]	-0.07366	[illegible]	-0.09031
[illegible]	-0.09271	[illegible]	-0.12106
[illegible]	-0.19160	[illegible]	-0.19160

Table 4.11: Trimming of Paragraph and Word Initiators and Terminators across Versions #1-26

Version	Counts					Averages				
	Paragraphs		Words			Paragraphs		Words		
	Initiators	Terminators	Initiators	Terminators	Words	Initiators	Terminators	Initiators	Terminators	Word Score
3	7	6	25	20	26	0.103	0.120	0.351	0.529	0.288
4	8	8	21	20	25	0.091	0.092	0.366	0.551	0.311
5	8	8	21	20	25	0.090	0.091	0.366	0.551	0.311
6	10	8	24	20	28	0.074	0.091	0.355	0.551	0.301
7	7	7	22	20	26	0.103	0.103	0.354	0.551	0.303
8	7	7	21	20	25	0.103	0.103	0.366	0.551	0.311
9	7	12	21	27	26	0.102	0.059	0.366	0.583	0.316
10	10	13	25	25	30	0.073	0.055	0.346	0.586	0.299
11	10	13	25	27	30	0.073	0.055	0.346	0.583	0.299
12	10	13	25	27	30	0.073	0.055	0.346	0.583	0.299
13	10	13	25	27	30	0.073	0.055	0.346	0.583	0.299
14	10	8	24	20	28	0.074	0.091	0.355	0.551	0.301
15	7	12	21	27	26	0.102	0.059	0.366	0.583	0.316
16	10	13	25	26	30	0.073	0.055	0.346	0.587	0.299
17	10	7	25	26	30	0.073	0.101	0.346	0.576	0.299
18	11	13	27	26	31	0.067	0.055	0.361	0.587	0.304
19	11	7	27	16	28	0.068	0.103	0.361	0.532	0.291
21	11	13	27	26	31	0.067	0.055	0.361	0.587	0.304
22	11	13	27	26	31	0.067	0.055	0.361	0.587	0.304
23	11	13	21	21	25	0.067	0.055	0.381	0.581	0.277
24	7	7	10	10	10	0.103	0.105	0.345	0.467	0.203
25	7	7	9	10	10	0.104	0.103	0.326	0.467	0.203
26	6	6	9	10	10	0.121	0.121	0.326	0.467	0.203

Table 4.12: Separation in Paragraph and Word Initiator Scores in Version #26

Symbol		Paragraph Initiator Score	Word Initiator Score	Difference
q	[illegible]	0.01390	0.77137	-0.75746
v	[illegible]	-0.00003	0.67799	-0.67803
c	[illegible]	-0.06324	0.32165	-0.38490
p	[illegible]	0.43221	0.15678	0.27542
s	[illegible]	-0.01582	0.23642	-0.25224
t	[illegible]	0.18764	-0.05831	0.24595
x	[illegible]	-0.00020	0.24141	-0.24161
Å	[illegible]	0.00243	-0.22200	0.22443
j	[illegible]	-0.00002	-0.22200	0.22197
o	[illegible]	-0.09270	0.12114	-0.21385
m	[illegible]	-0.00557	-0.20676	0.20118
n	[illegible]	-0.03114	-0.20277	0.17162
k	[illegible]	0.04740	-0.10611	0.15352
i	[illegible]	-0.05963	-0.17200	0.11236
r	[illegible]	-0.03707	-0.14879	0.11171
d	[illegible]	-0.03545	0.05873	-0.09418
g	[illegible]	-0.00073	-0.08459	0.08386
y	[illegible]	-0.06770	-0.11366	0.04595
l	[illegible]	-0.05112	-0.09260	0.04147
e	[illegible]	-0.19159	-0.21484	0.02324
f	[illegible]	0.03984	0.06306	-0.02322
a	[illegible]	-0.07365	-0.08426	0.01060

Table 4.13: Separation in Paragraph and Word Terminator Scores in Version #26

Symbol		Paragraph Terminator Score	Word Terminator Score	Difference
m		0.10395	0.73228	-0.62832
n		0.18792	0.73312	-0.54520
g		0.00570	0.54135	-0.53564
r		0.04797	0.54537	-0.49740
v		-0.00003	0.47799	-0.47803
l		0.03264	0.34005	-0.30741
y		0.34724	0.65032	-0.30308
Å		-0.00014	0.27799	-0.27814
s		-0.00422	0.24487	-0.24910
q		-0.02733	-0.22181	0.19448
p		-0.00850	-0.20133	0.19283
t		-0.03400	-0.21356	0.17956
x		-0.00020	0.16824	-0.16844
f		-0.00268	-0.16770	0.16502
k		-0.05568	-0.21467	0.15898
a		-0.07237	-0.21548	0.14311
c		-0.09030	-0.22119	0.13088
i		-0.05963	-0.17914	0.11950
d		-0.05735	-0.17234	0.11498
j		-0.00002	0.11133	-0.11135
o		-0.12105	-0.17298	0.05192
e		-0.19159	-0.21732	0.02572

Table 4.14: Initiators and Terminators in Version #16 by Section

Initiators

Rank	Symbol		Paragraph Count	% of Paragraphs
	Herbal Section			
1		p	99	38.077
2		t	74	28.462
3		k	43	16.538
4		f	15	5.769
5		o	7	2.692
5		q	7	2.692
7		î	4	1.538
8		y	3	1.154
8		ß	3	1.154
10		ï	2	0.769
11		œ	1	0.385
11		d	1	0.385
11		s	1	0.385
	Balneological Section			
1		p	54	62.791
2		t	13	15.116
3		q	8	9.302
4		k	5	5.814
5		o	1	1.163
5		d	1	1.163
5		î	1	1.163
5		ï	1	1.163
5		r	1	1.163
5		s	1	1.163
	Pharmacological Section			
1		p	168	44.094
2		t	85	22.31
3		k	31	8.136
4		d	17	4.462
4		f	17	4.462
4		q	17	4.462
7		s	12	3.15
8		o	11	2.887
9		y	10	2.625
10		ß	4	1.05
11		¨	3	0.787
12		l	2	0.525
13		c	1	0.262
13		î	1	0.262
13		ï	1	0.262
13		r	1	0.262
	Cosmological Section			
1		p	17	85
2		t	1	5

Terminators

Rank	Symbol		Paragraph Count	% of Paragraphs
	Herbal Section			
1		y	100	38.462
2		w	52	20
3		m	30	11.538
4		l	20	7.692
5		r	18	6.923
6		û	16	6.154
7		s	5	1.923
8		n	4	1.538
8		g	4	1.538
10		ã	3	1.154
10		o	3	1.154
12		ö	2	0.769
12		d	2	0.769
14		â	1	0.385
	Balneological			
1		y	53	61.628
2		l	13	15.116
3		r	8	9.302
4		s	3	3.488
4		û	3	3.488
4		ã	3	3.488
7		m	1	1.163
7		o	1	1.163
7		w	1	1.163
	Pharmacological			
1		y	163	42.782
2		w	44	11.549
3		m	42	11.024
4		r	34	8.924
5		l	33	8.661
6		û	32	8.399
7		s	15	3.937
8		o	4	1.05
9		d	3	0.787
10		ã	2	0.525
10		n	2	0.525
10		ú	2	0.525
13		ö	1	0.262
13		t	1	0.262
13		g	1	0.262
13		a	1	0.262
13		â	1	0.262
	Cosmological			
1		y	7	35
2		m	5	25

2		î	1	5
2		k	1	5
	Front/Backmatter			
1		*	2	28.571
1		y	2	28.571
3		f	1	14.286
3		ï	1	14.286
3		o	1	14.286

3		r	4	20
4		w	3	15
5		d	1	5
	Front/Backmatter			
1		y	5	71.429
2		m	1	14.286
2		w	1	14.286

Table 4.15: Highest-Ranked Word Initiators and Terminators for All Label Types in Version #18

Ranked by Most Frequent Initiators

Rank	Symbol		Word Count	%	% of All Word Initiators
1		o	1955	39.384	23.068
2		c	567	11.422	15.686
3		d	485	9.77	9.617
4		a	416	8.38	5.208
5		y	341	6.869	5.019
6		ß	272	5.479	8.495
7		s	209	4.21	3.38
8		q	182	3.666	14.063
9		t	94	1.894	2.571
10		k	72	1.45	3.035
11		•	59	1.189	0.148
12		l	52	1.048	3.572
13		r	50	1.007	1.304
14		e	47	0.947	0.381
15		p	20	0.403	1.428
16		*	19	0.383	N/A
17		Ü	17	0.342	1.306
18		f	15	0.302	0.327
19		x	13	0.262	0.049
20		v	9	0.181	0.023
21		í	8	0.161	0.516
22		m	6	0.121	0.041
22		¬	6	0.121	0
24		ª	5	0.101	0
24		«	5	0.101	0.013
26		Œ	4	0.081	0.01
26		©	4	0.081	0
26		ï	4	0.081	0.337

Ranked by Most Frequent Terminators

Rank	Symbol		Word Count	%	% of All Word Terminators
1		y	1811	36.483	40.288
2		l	714	14.384	15.501
3		r	709	14.283	13.511
4		w	362	7.293	10.638
5		s	355	7.151	3.453
6		o	224	4.512	3.297
7		m	144	2.901	2.605
8		â	109	2.196	1.57
9		d	104	2.095	1.698
10		û	53	1.068	4.446
11		ã	43	0.866	0.875
12		g	42	0.846	0.262
13		ø	34	0.685	0.342
14		a	33	0.665	0.249
15		e	29	0.584	0.306
16		*	25	0.504	N/A
17		k	18	0.363	0.192
18		t	14	0.282	0.132
19		n	13	0.262	0.386
20		f	11	0.222	0.062
20		x	11	0.222	0.044
22		ù	8	0.161	0
22		Ý	8	0.161	0.342
22		p	8	0.161	0.078
22		ß	8	0.161	0.078
26		v	7	0.141	0.018
27		c	6	0.121	0.023
27		¬	6	0.121	0
29		ª	5	0.101	0
29		«	5	0.101	0.013
31		©	4	0.081	0
31		À	4	0.081	0.01
31		ú	4	0.081	0
34		Œ	3	0.06	0.008

Table 4.16: Highest-Ranked Word Initiators and Terminators for Paragraph Labels in Version #18

Paragraph Label Initiators (with Length > 1)

Rank	Symbol		Word Count	%	Herbal Section %	Document-Wide %
1		o	29 (15)	29.293	23.438	23.068
2		c	13 (5)	13.131	7.813	15.686
3		d	12 (12)	12.121	18.75	9.617
4		s	9 (8)	9.091	12.5	3.38
5		y	8 (6)	8.081	9.375	5.019
6		q	7 (5)	7.071	7.813	14.063
7		a	4 (3)	4.04	4.688	5.208
8		k	3 (3)	3.03	4.688	3.035
8		ß	3 (1)	3.03	1.563	8.495
10		Ü	2 (1)	2.02	1.563	1.306
10		p	2 (2)	2.02	3.125	2.571
10		l	2 (0)	2.02	0	3.572
13		•	1 (1)	1.01	1.563	0.012
13		e	1 (0)	1.01	0	0.381
13		f	1 (1)	1.01	1.563	0.327

Paragraph Label Terminators

Rank	Symbol		Word Count	%	Document-Wide %
1		y	31	31.313	40.288
2		l	17	17.172	15.501
3		r	15	15.152	13.511
4		w	10	10.101	10.638
5		s	5	5.051	3.453
5		â	5	5.051	1.57
7		û	3	3.03	4.446
8		a	2	2.02	0.249
8		ã	2	2.02	0.875
8		d	2	2.02	1.698
8		m	2	2.02	2.605
12		o	1	1.01	3.297
12		ø	1	1.01	0.342
12		f	1	1.01	0.078
12		*	1	1.01	N/A

13		r	1 (1)	1.01	1.563	1.304
13		t	1 (0)	1.01	0	2.571

12		ù	1	1.01	0

Table 4.17: Highest-Ranked Word Initiators and Terminators for Figure Labels in the Balneological Section (Version #18)

Balneological Initiators

Rank	Symbol		Word Count	%	Document-Wide %
1		o	80	48.78	23.068
2		d	34	20.732	9.617
3		s	14	8.537	3.38
4		y	8	4.878	5.019
5		l	5	3.049	5.019
5		q	5	3.049	14.063
5		r	5	3.049	1.304
5		•	5	3.049	0.148
9		ß	4	2.439	8.495
10		a	1	0.61	5.208
10		à	1	0.61	0.005
10		c	1	0.61	15.686
10		O	1	0.61	0.005

Balneological Terminators

Rank	Symbol		Word Count	%	Document-Wide %
1		y	74	45.122	40.288
2		l	43	26.22	15.501
3		w	13	7.927	10.638
4		r	12	7.317	13.511
5		o	8	4.878	3.297
6		s	4	2.439	3.453
7		a	3	1.829	0.249
8		â	2	1.22	1.57
8		d	2	1.22	1.698
10		k	1	0.61	0.192
10		Ò	1	0.61	0.005
10		½	1	0.61	0

Table 4.18: Highest-Ranked Word Initiators and Terminators for Figure Labels in the Cosmological Section (Version #18)

Cosmological Initiators

Rank	Symbol		Word Count	%	Text Rings	Document-Wide %
1		o	1655 (896)	39.765	40.488	23.068
2		c	547 (347)	13.143	15.68	15.686
3		a	401 (247)	9.635	11.161	5.208
4		d	386 (191)	9.274	8.631	9.617
5		y	280 (104)	6.728	4.7	5.019
6		ß	256 (148)	6.151	6.688	8.495
7		q	168 (44)	4.037	1.988	14.063
8		s	138 (60)	3.316	2.711	3.38
9		t	81 (37)	1.946	1.672	2.571
10		k	54 (25)	1.297	1.13	3.035
11		e	42 (24)	1.009	1.085	0.381
12		•	32 (23)	0.769	1.039	0.148
13		l	27 (16)	0.649	0.723	3.572
14		r	19 (7)	0.457	0.316	1.304
15		î	16 (7)	0.384	0.316	1.306
16		*	15 (11)	0.36	0.497	N/A
17		p	11 (6)	0.264	0.271	1.428
18		í	8 (4)	0.192	0.181	0.516
19		f	6 (4)	0.144	0.181	0.327
20		ï	4 (1)	0.096	0.045	0.337
20		x	4 (4)	0.096	0.181	0.049

Cosmological Terminators

Rank	Symbol		Word Count	%	Document-Wide %
1		y	1578	37.914	40.288
2		r	631	15.161	13.511
3		l	608	14.608	15.501
4		w	330	7.929	10.638
5		s	303	7.28	3.453
6		o	141	3.388	3.297
7		m	132	3.172	2.605
8		â	92	2.21	1.57
9		d	67	1.61	1.698
10		û	49	1.177	4.446
11		ã	40	0.961	0.498
12		ø	33	0.793	0.342
13		a	26	0.625	0.249
14		g	25	0.601	0.262
15		e	23	0.553	0.306
17		n	12	0.288	0.386
18		Ý	8	0.192	0
19		k	7	0.168	0.192
19		ù	7	0.168	0.342
21		t	6	0.144	0.132
22		ú	3	0.072	0
22		f	3	0.072	0.062

Table 4.19: Highest-Ranked Word Initiators and Terminators for Nymph Labels (Version #18)

Nymph Initiators

Rank	Symbol		Word Count	%	Balneological	Cosmological	Document-Wide %
1		o	287 (46/240)	63.636	53.488	66.298	23.068
2		y	36 (5/30)	7.982	5.814	8.287	23.068
3		a	31 (0/31)	6.874	0	8.564	5.208
4		d	29 (17/12)	6.43	19.767	3.315	9.617
5		c	20 (0/20)	4.435	0	5.525	15.686
6		s	14 (8/6)	3.104	9.302	1.657	3
7		ß	11 (1/10)	2.439	1.163	2.762	8.495
8		q	4 (3/1)	0.887	3.488	0.276	14.063
8		r	4 (1/3)	0.887	1.163	0.829	1.304

Nymph Terminators

Rank	Symbol		Word Count	%	Document-Wide %
1		y	199	44.124	40.288
2		l	66	14.634	15.501
3		r	49	10.865	13.511
4		w	30	6.652	10.638
5		m	27	5.987	2.605
6		s	25	5.543	3.453
7		o	14	3.104	3.297
7		d	14	3.104	1.698

8		l	4 (3/)	0.887	3.488	0.276	3.572
8		e	4 (0/4)	0.887	0	1.105	0.381
12		•	2 (1/1)	0.443	1.163	0	0.148
13		*	1 (0/1)	0.222	0	0.276	N/A
13		f	1 (0/1)	0.222	0	0.276	0.327
13		k	1 (0/1)	0.222	0	0.276	3.035
13		O	1 (1/0)	0.222	1.163	0	0.005
13		t	1 (0/1)	0.222	0	0.276	2.571

9		â	6	1.33	1.57
10		a	5	1.109	0.249
10		g	5	1.109	0.262
12		n	4	0.887	0.386
13		û	3	0.665	4.446
14		f	2	0.443	0.062
15		k	1	0.222	0.192
15		Ý	1	0.222	0

Table 4.20: Highest-Ranked Word Initiators and Terminators for Pharmacological Labels (Version #18)

Pharmacological Initiators

Rank	Symbol		Word Count	%	Phytomorph Labels	Canister Labels
1		o	131 (103/19)	49.621	52.284	45.238
2		d	31 (26/5)	11.742	13.198	11.905
3		•	20 (18/2)	7.576	9.137	4.762
4		s	17 (17/17)	6.439	8.629	0
5		y	15 (9/4)	5.682	4.569	9.524
6		a	7 (6/0)	2.652	3.046	0
7		c	6 (0/0)	2.273	0	0
7		ß	6 (3/1)	2.273	1.523	2.381
7		t	6 (3/2)	2.273	1.523	4.762
10		k	5 (2/3)	1.894	1.015	7.143
11		r	4 (3/1)	1.515	1.523	2.381
12		l	3 (1/1)	1.136	0.508	2.381
12		*	3 (0/3)	1.136	0	7.143
14		q	2 (1/0)	0.758	0.508	0
14		e	2 (1/0)	0.758	0.508	0
16		É	1 (1/0)	0.379	0.508	0
16		f	1 (1/0)	0.379	0.508	0
16		à	1 (1/0)	0.379	0.508	0
16		Á	1 (1/0)	0.379	0.508	0
16		p	1 (0/0)	0.379	0	0
16		Ü	1 (0/0)	0.379	0	0

Pharmacological Terminators

Rank	Symbol		Word Count	%	Document-Wide %
1		y	104	39.394	40.288
2		r	34	12.879	13.511
3		l	33	12.5	15.501
4		g	14	5.303	0.262
5		s	13	4.924	3.453
6		d	11	4.167	1.698
6		â	11	4.167	1.57
6		w	11	4.167	10.638
9		o	8	3.03	3.297
10		*	5	1.894	N/A
11		m	4	1.515	2.605
12		a	2	0.758	0.249
12		e	2	0.758	0.306

Table 4.21: Leading and Trailing Fuzzy Set Comparison Scores for Various Figure Types in Version #26, Excluding

Difference Combination	Symbol	Max Score	Symbol		Min Score
Canisters vs. Figure Stems	(a)	0.04496	e		-0.14051
Cosmological Nymphs vs. Figure Stems		0.03627	e		-0.05159
Cosmological Nymphs vs. Paragraph Initiators		0.08634	p		-0.44072
Herbal Phytomorphs vs. Figure Initiators		0.31252	c		-0.18001
Herbal Phytomorphs vs. Figure Terminators		0.34060	e		-0.10140
Herbal Phytomorphs vs. Initiators		0.38198	q		-0.82777
Herbal Phytomorphs vs. Paragraph Initiators		0.39999	p		-0.44072
Herbal Phytomorphs vs. Paragraph Terminators		0.39870	y		-0.43686
Herbal Phytomorphs vs. Terminators		0.51286	n		-0.82193
Pharmacological Phytomorphs vs. Figure Stems		0.03593	e		-0.10210
Rosette Figures vs. Paragraph Initiators		0.09021	p		-0.44072
Cosmological Nymphs vs. Figure Terminators	(c)	0.02696	e		-0.07604
Cosmological Nymphs vs. Paragraph Terminators		0.07042	y		-0.34672
Cosmological Nymphs vs. Terminators		0.17272	n		-0.81348
Cosmological Non-Nymphs vs. Figure Initiators		0.02452	s		-0.00147
Cosmological Non-Nymphs vs. Paragraph Initiators		0.17747	p		-0.43592
Figures vs. Paragraph Initiators		0.15294	p		-0.43649
Text Rings vs. Figure Initiators		0.03956	y		-0.02058
Text Rings vs. Paragraph Initiators		0.19251	p		-0.43518
Balneological Nymphs vs. Figure Initiators	(d)	0.09900	c		-0.16838
Balneological Nymphs vs. Figure Terminators		0.07149	e		-0.10140
Balneological Nymphs vs. Paragraph Initiators		0.16674	p		-0.44072
Balneological Nymphs vs. Paragraph Terminators		0.14213	y		-0.41361
Balneological Nymphs vs. Terminators		0.22761	n		-0.82193
Balneological Non-Nymphs vs. Figure Initiators		0.11652	c		-0.11672
Balneological Non-Nymphs vs. Figure Terminators		0.10551	y		-0.05970
Balneological Non-Nymphs vs. Paragraph Initiators		0.18425	p		-0.44072
Balneological Non-Nymphs vs. Paragraph Terminators		0.17616	y		-0.41834
Balneological Non-Nymphs vs. Terminators		0.26163	n		-0.82193
Canisters vs. Figure Terminators		0.07417	e		-0.07575
Canisters vs. Paragraph Initiators		0.11906	p		-0.41572
Canisters vs. Paragraph Terminators		0.14482	y		-0.35994
Canisters vs. Terminators		0.23029	n		-0.82193
Pharmacological Phytomorphs vs. Figure Terminators		0.04340	e		-0.09114
Pharmacological Phytomorphs vs. Paragraph Initiators		0.10240	p		-0.44072
Pharmacological Phytomorphs vs. Paragraph Terminators		0.11405	y		-0.39071
Pharmacological Phytomorphs vs. Terminators		0.19952	n		-0.82193
Rosettes vs. Figure Stems		0.04042	e		-0.07557

Rosettes vs. Figure Terminators		0.02581	c	⊂	-0.03079
Rosettes vs. Paragraph Terminators		0.09646	y	ϱ	-0.38623
Rosette Terminators vs. Stems		0.18193	n	ϑ	-0.81349
Cosmological Non-Nymphs vs. Figures	⊂ (e)	0.01846	a	⌀	-0.00768
Cosmological Non-Nymphs vs. Figure Terminators		0.04199	m	ϩ	-0.00037
Cosmological Non-Nymph vs. Paragraph Terminators		0.14338	y	ϱ	-0.35052
Figure vs. Paragraph Terminators		0.10139	p	ϕ	-0.43203
Text Rings vs. Figures		0.03084	a	⌀	-0.00983
Text Rings vs. Figure Terminators		0.10372	y	ϱ	-0.01761
Text Rings vs. Paragraph Terminators		0.20512	y	ϱ	-0.37625
Text Rings vs. Terminators		0.20199	n	ϑ	-0.81027
Balneological Nymph vs. Initiators	ϩ (j)	0.19291	ϥ(q)		-0.79288
Balneological Non-Nymph vs. Initiators		0.19291			-0.80245
Canister Initiators		0.19291			-0.82777
Cosmological Nymph vs. Initiators		0.19291			-0.82498
Cosmological Non-Nymph vs. Initiators		0.19291			-0.78565
Figures vs. Initiators		0.19291			-0.79100
Pharmacological Phytomorph vs. Initiators		0.19291			-0.82264
Rosettes vs. Initiators		0.19291			-0.80709
Text Rings vs. Initiators		0.19291			-0.80777
Canister Figures vs. Initiators	ϯ (k)	0.06105	c	⊂	-0.15501
Balneological Nymphs vs. Figure Stems	ϫ (l)	0.08901	e	⊂	-0.10318
Balneological Non-Nymphs vs. Figure Stems		0.04842	e	⊂	-0.09399
Rosette Figures vs. Initiators		0.01053	c	⊂	-0.14241
Herbal Phytomorph vs. Figure Stems	ϩ (m)	0.16863	e	⊂	-0.21520
Herbal Phytomorph vs. Stems		0.74043	e	⊂	-0.56528
Balneological Non-Nymph vs. Stems	ϑ (n)	0.61007	e	⊂	-0.44407
Cosmological Non-Nymph vs. Stems		0.59699	i	ⲓ	-0.37658
Rosette Figures vs. Stems		0.59851	e	⊂	-0.42564
Text Rings vs. Stems		0.59659	i	ⲓ	-0.37819
Pharmacological Phytomorphs vs. Figure Initiators	ϩ (s)	0.04148	c	⊂	-0.15949
Cosmological Non-Nymphs vs. Terminators	ϯ (t)	0.18927	n	ϑ	-0.81142
Figures vs. Terminators		0.17921	n	ϑ	-0.81324
Balneological Nymphs vs. Stems	ϱ (y)	0.61001	e	⊂	-0.45326
Canisters vs. Stems		0.60446	e	⊂	-0.49059
Cosmological Nymphs vs. Figure Initiators		0.01253	c	⊂	-0.09644
Cosmological Nymphs vs. Stems		0.60622	e	⊂	-0.40167
Figures vs. Stems		0.59634	i	ⲓ	-0.37782
Pharmacological Phytomorph vs. Stems		0.59375	e	⊂	-0.45217

Table 4.22: General Patterns of Movement in Glyph Placement for Figures in Version #26

Glyph	Direction
ϭ (d)	general increase in all 3 (substantial variability though)
	The [fptk] Group
ϕ (f)	initiators, stems → terminators
ϕ (p)	initiators, stems → terminators
ϯ (t)	initiators, stems → terminators
ϯ (k)	initiators, stems → terminators
	Other Shifts Away from Initiators
ϥ(q)	initiators → terminators, stems
⊂(c)	initiators → stems, terminators (more variable though)
	Shifted Away from stems (Mainly Vowels and Vowel Candidates)
⊂ (e)	stems → terminators
ϕ (Ä)	stems → terminators, initiators
⌀ (a)	stems → terminators
ⲓ (i)	stems → terminators
	Shifted Away from Terminators
ϑ (n)	terminators → stems strongly (and initiators to a lesser degree)
ϩ (m)	terminators → stems (strongly)
ϫ (l)	terminators → stems
ϩ (r)	terminators → stems (and initiators to a lesser degree)
ϩ (j)	terminators → stems
ϩ (g)	terminators → stems
ϱ (y)	terminators → stems
ϩ (s)	terminators and initiators → stems

Table 4.23: The Serendipitous Segmentation of Similar Compound Letters by Initiator-Terminator Discrepancies

#	Rank	Polygraph		Polygraph Count	Word Initiator Score	Word Terminator Score	Word Score
1	27	ïa	ϯⲁ	11	0.42063	-0.43650	0.01587
2	34	sa	ϩⲁ	208	0.36433	-0.38827	0.02394
3	37	ßa	ⲥⲁ	48	0.35242	-0.41899	0.06657
4	42	Üa	ϯ ⲁ	26	0.30079	-0.42142	0.12063
5	45	ðo	ϯⲟ	11	0.26145	-0.36354	0.10208
6	46	ðe	ϯⲉ	14	0.25312	-0.30937	0.05625
7	48	Üe	ϯ ⲉ	66	0.24145	-0.32638	0.08493
8	51	pd	ϕϭ	26	0.22849	-0.24025	0.01175
9	52	•e	ⲥⲉ	57	0.22251	-0.24623	0.02371
10	53	ck	ⲥϯ	22	0.21238	-0.24594	0.03356
11	54	da	ϭⲁ	1090	0.21206	-0.34482	0.13275

12	56	ya		15	0.20574	-0.40295	0.19720
13	57	tß		97	0.20153	-0.24955	0.04802
14	58	lß		135	0.18389	-0.23219	0.04829
15	60	oc		152	0.17775	-0.19479	0.01704
16	61	lk		367	0.17619	-0.22673	0.05053
17	62	rk		19	0.17537	-0.19304	0.01766
18	63	rß		35	0.17351	-0.21778	0.04427
19	64	ok		979	0.17188	-0.23482	0.06294
20	65	ío		48	0.16772	-0.32140	0.15367
21	66	fc		127	0.16552	-0.17983	0.01431
22	67	oß		61	0.16452	-0.22787	0.06335
23	68	pc		322	0.15763	-0.17964	0.02200
24	69	ßd		91	0.14046	-0.25279	0.11233
25	70	dd		23	0.13109	-0.22890	0.09780
26	71	aÜ		11	0.13095	-0.33571	0.20476
27	73	de		114	0.12029	-0.18045	0.06015
28	74	fo		59	0.11768	-0.20539	0.08770
29	75	lt		73	0.11764	-0.20945	0.09180
30	76	oe		298	0.11506	-0.20035	0.08528
31	78	ak		33	0.08716	-0.24616	0.15899
32	79	kß		105	0.08643	-0.25153	0.16509
33	81	tc		307	0.06456	-0.19639	0.13183
34	82	yd		134	0.05882	-0.10075	0.04193
35	83	lf		34	0.04886	-0.15113	0.10226
36	84	ía		18	0.04714	-0.35285	0.30571
37	85	oð		14	0.04375	-0.26875	0.22500
38	86	ik		10	0.03738	-0.16261	0.12523
39	87	lo		304	0.02739	-0.22778	0.20038
40	89	Üd		14	0.02440	-0.26130	0.23690
41	90	kc		333	0.02089	-0.19358	0.17268
42	91	td		20	0.02085	-0.24001	0.21915
43	92	oÜ		80	0.01853	-0.27339	0.25485
44	93	íe		74	0.01499	-0.28381	0.26882
45	94	aì		22	0.00340	-0.27245	0.26904
46	95	ai		53	0.00209	-0.12905	0.12695
47	96	aí		11	0.00128	-0.30641	0.30512
48	97	ga		10	-0.00345	-0.30345	0.30690
49	98	oï		29	-0.00833	-0.25157	0.25990
50	99	ae		16	-0.00994	-0.19744	0.20739
51	100	to		316	-0.01316	-0.24932	0.26249
52	101	ra		302	-0.01487	-0.30325	0.31812
53	102	ro		207	-0.01503	-0.20979	0.22483
54	103	oa		148	-0.03677	-0.31417	0.35095
55	104	ad		48	-0.03772	-0.05496	0.09269
56	105	se		102	-0.04559	-0.16064	0.20623
57	106	k•		22	-0.05482	-0.24000	0.29482
58	107	ïh		11	-0.06666	-0.28095	0.34761
59	108	ko		298	-0.07640	-0.24346	0.31986
60	109	oí		84	-0.07679	-0.26284	0.33963
61	110	le		53	-0.07765	-0.17765	0.25531
62	111	l•		14	-0.08841	-0.22174	0.31015
63	112	pa		122	-0.09811	-0.27287	0.37099
64	113	te		478	-0.11226	-0.22174	0.33401
65	114	ke		875	-0.11712	-0.20927	0.32639
66	115	od		886	-0.12097	-0.14249	0.26346
67	116	íh		17	-0.12580	-0.25483	0.38064
68	117	re		19	-0.13191	-0.08429	0.21621
69	118	fa		72	-0.13355	-0.26542	0.39897
70	119	oo		70	-0.13451	-0.21496	0.34948
71	120	t•		17	-0.13831	-0.22922	0.36753
72	121	ep		89	-0.14002	-0.12262	0.26265
73	122	•d		40	-0.14111	-0.18032	0.32144
74	123	et		181	-0.14169	-0.18502	0.32672
75	124	ec		149	-0.14261	-0.17104	0.31366
76	125	ld		236	-0.14663	-0.15968	0.30631
77	126	íd		16	-0.14780	-0.14780	0.29561
78	127	ef		52	-0.15504	-0.08361	0.23866
79	128	Üh		13	-0.16171	-0.24171	0.40342
80	129	la		223	-0.17120	-0.26330	0.43450
81	130	ii		62	-0.17855	-0.14956	0.32812
82	131	r•		10	-0.18678	-0.18678	0.37357
83	132	ao		11	-0.19090	-0.10000	0.29090

84	133	ta		295	-0.19134	-0.30112	0.49246
85	134	ka		520	-0.19749	-0.28287	0.48036
86	135	rd		31	-0.20281	-0.06392	0.26673
87	136	ee		2787	-0.20432	-0.20805	0.41237
88	137	ek		288	-0.20477	-0.18818	0.39295
89	138	eß		59	-0.20729	-0.20729	0.41458
90	139	ed		1142	-0.21877	-0.17628	0.39505
91	140	âo		34	-0.21909	-0.13399	0.35309
92	141	kh		16	-0.22009	-0.22009	0.44019
93	142	he		13	-0.22151	-0.22151	0.44302
94	143	p•		16	-0.22843	-0.22843	0.45686
95	144	eo		1993	-0.23070	-0.13067	0.36137
96	145	eð		16	-0.23646	-0.23646	0.47293
97	146	âa		29	-0.23931	-0.23931	0.47863
98	147	tT		12	-0.24015	-0.24015	0.48031
99	148	ea		432	-0.24276	-0.23526	0.47802
100	149	eï		17	-0.25956	-0.25956	0.51913
101	150	eí		73	-0.28158	-0.27141	0.55299
102	151	eÜ		50	-0.28328	-0.26441	0.54769

Table 4.24: Digraphs Not Exhibiting Discrepancies between Word Initiator and Terminator Scores

#	Rank	Polygraph		Polygraph Count	Word Initiator Score	Word Terminator Score	Word Score
1	1	qo		777	0.76314	-0.22967	-0.53347
2	2	qe		48	0.74729	-0.23682	-0.51046
3	3	qk		16	0.72807	-0.27192	-0.45614
4	4	yc		106	0.70246	-0.20696	-0.49550
5	5	oq		21	0.69089	-0.22215	-0.46873
6	6	ßk		27	0.64679	-0.33502	-0.31177
7	7	yp		60	0.63544	-0.20666	-0.42877
8	8	ßt		12	0.61333	-0.33666	-0.27666
9	9	yt		216	0.61264	-0.25380	-0.35883
10	10	dc		152	0.61064	-0.21784	-0.39280
11	11	yß		55	0.60431	-0.26823	-0.33608
12	12	yk		291	0.59465	-0.24376	-0.35089
13	13	sc		61	0.58805	-0.20739	-0.38066
14	14	dß		59	0.57521	-0.27508	-0.30012
15	15	ßí		18	0.54913	-0.43003	-0.11909
16	16	so		190	0.53126	-0.31837	-0.21289
17	17	ßÜ		11	0.50510	-0.43367	-0.07142
18	18	yf		24	0.49936	-0.16729	-0.33206
19	19	sß		19	0.47912	-0.22087	-0.25825
20	20	ïo		31	0.47497	-0.36138	-0.11359
21	21	ye		11	0.46969	-0.25757	-0.21212
22	22	sk		17	0.44603	-0.26825	-0.17777
23	23	op		280	0.43349	-0.19452	-0.23897
24	24	yo		38	0.42621	-0.21663	-0.20957
25	25	dk		30	0.42521	-0.24145	-0.18376
26	26	po		161	0.42272	-0.25443	-0.16829
27	28	Üo		62	0.40980	-0.37279	-0.03701
28	29	ße		582	0.40954	-0.30424	-0.10529
29	30	of		121	0.39180	-0.18622	-0.20558
30	31	ßo		291	0.38946	-0.29558	-0.09388
31	32	ot		834	0.37895	-0.24519	-0.13375
32	33	pß		56	0.37018	-0.21885	-0.15132
33	35	ßc		13	0.36283	-0.24828	-0.11455
34	36	ïe		38	0.35421	-0.29194	-0.06227
35	38	•o		24	0.33968	-0.25291	-0.08677
36	39	at		11	0.31923	-0.21923	-0.10000
37	40	do		243	0.31343	-0.31018	-0.00325
38	41	ce		3143	0.30947	-0.23210	-0.07737
39	43	cs		37	0.29272	-0.15171	-0.14100
40	44	ct		32	0.28005	-0.26048	-0.01956
41	47	lc		285	0.25071	-0.19022	-0.06049
42	49	lp		30	0.23511	-0.13988	-0.09523
43	50	rc		85	0.23158	-0.19931	-0.03226
44	55	fß		18	0.21134	-0.20971	-0.00162
45	59	ßs		19	0.17994	-0.02005	-0.15988
46	72	ll		26	0.12514	-0.06840	-0.05673

Table 4.25: Categories of Potentially Misclassified Symbols Contained in the Initiator Discrepancy Rankings

Discrepancy	Distinct Polygraph Count	[illegible] Group Count	F Group Count	N Group Count	Compound Letter Count	[illegible] Count	Eliminated Letter Count	[illegible] Group %	F Group %	N Group %	Compound Letters %	[illegible] %	Eliminated Letter %
0	49	16	10	11	5	1	0	32.653	20.408	22.449	10.204	2.041	0
1	102	24	18	33	24	7	5	23.529	17.647	32.353	23.529	6.863	4.902

Table 4.26: Distribution Distances for Symbols, Ranked by Similarity to [pt]

p					***t***				
#	**Rank**	**Symbol2**		**Distribution Distance**	**#**	**Rank**	**Symbol2**		**Distribution Distance**
1	1	f		0.11352	1	1	k		0.13196
2	2	ô		0.31519	2	2	z		0.24571
3	3	s		0.36604	3	3	s		0.26143
4	4	r		0.37977	4	4	x		0.33174
5	5	ù		0.38259	5	5	f		0.34955
6	6	â		0.39761	6	6	K		0.35024
7	7	x		0.39958	7	7	j		0.35295
8	8	ø		0.43467	8	8	ï		0.38423
9	9	l		0.43768	9	9	r		0.38554
10	10	g		0.44069	10	10	ù		0.38857
11	11	À		0.44873	11	11	À		0.39571
12	12	t		0.44976	12	12	Đ		0.40125
13	13	ã		0.45805	13	13	•		0.40526
14	14	ú		0.45821	14	14	â		0.40959
15	15	v		0.46382	15	15	g		0.41094
16	16	j		0.46406	16	16	e		0.42876
17	17	Ý		0.46870	17	17	*f*		0.43092
18	18	œ		0.47022	18	18	ø		0.44119
19	19	m		0.47110	19	19	ß		0.44643
20	20	n		0.47707	20	20	p		0.44976
21	21	û		0.48251	21	21	l		0.45825
22	22	w		0.48545	22	22	Ý		0.46326
23	23	°		0.48836	23	23	à		0.47345
24	24	ó		0.48973	24	24	Ü		0.47739
25	24	4		0.48973	25	25	m		0.47899
26	24	5		0.48973	26	26	ã		0.47908
27	24	1		0.48973	27	27	ú		0.48230
28	24	Š		0.48973	28	28	n		0.48559
29	24	«		0.48973	29	29	û		0.48816
30	24	ë		0.48973	30	30	w		0.49119
31	24	ª		0.48973	31	31	ó		0.49571
32	24	Î		0.48973	32	31	ü		0.49571
33	24	Ò		0.48973	33	31	5		0.49571
34	24	ü		0.48973	34	31	ö		0.49571
35	24	2		0.48973	35	31	Ò		0.49571
36	24	©		0.48973	36	31	Î		0.49571
37	24	š		0.48973	37	31	4		0.49571
38	24	3		0.48973	38	31	ª		0.49571
39	24	ö		0.48973	39	31	1		0.49571
40	24	ý		0.48973	40	31	ý		0.49571
41	24	½		0.48973	41	31	3		0.49571
42	42	y		0.51493	42	31	«		0.49571
43	43	Đ		0.51540	43	31	Š		0.49571
44	44	¬		0.56116	44	31	š		0.49571
45	45	Œ		0.56476	45	31	©		0.49571
46	46	K		0.56947	46	31	ë		0.49571
47	47	k		0.57202	47	31	½		0.49571
48	48	z		0.59531	48	31	2		0.49571
49	49	u		0.60506	49	49	í		0.49689
50	50	ï		0.63669	50	50	v		0.51053
51	51	Ü		0.64693	51	51	ð		0.51327
52	52	Ù		0.65821	52	52	y		0.52664
53	53	ð		0.66803	53	53	d		0.53132
54	54	d		0.68287	54	54	¬		0.56714
55	55	e		0.69547	55	55	u		0.58176
56	56	ß		0.69702	56	56	Œ		0.59021
57	57	T		0.70488	57	57	Ù		0.59191
58	58	•		0.70899	58	58	F		0.62347

59	59	Å		0.73973	59	59	¨		0.63360
60	60	F		0.74743	60	60	T		0.66963
61	61	à		0.74880	61	61	h		0.67494
62	62	í		0.76390	62	62	c		0.68890
63	63	¨		0.77842	63	63	¦		0.69205
64	64	Á		0.78196	64	64	ô		0.69634
65	65	h		0.79118	65	65	É		0.73079
66	66	q		0.80750	66	66	×		0.73095
67	67	O		0.81444	67	67	Ç		0.73458
68	68	Ö		0.81519	68	67	õ		0.73458
69	68	Ô		0.81519	69	67	‰		0.73458
70	68	ê		0.81519	70	70	Å		0.74571
71	71	É		0.82683	71	71	O		0.80801
72	72	×		0.83709	72	72	Á		0.82673
73	73	i		0.83743	73	73	°		0.82987
74	74	*f*		0.84531	74	74	œ		0.83069
75	75	‰		0.84873	75	75	q		0.84568
76	75	õ		0.84873	76	76	i		0.86129
77	75	Ç		0.84873	77	77	Ô		0.86135
78	78	‘		0.86473	78	77	ê		0.86135
79	79	o		0.90761	79	77	Ö		0.86135
80	80	ñ		0.93839	80	80	‘		0.87071
81	81	¡		0.96783	81	81	ñ		0.91510
82	82	a		0.97530	82	82	o		0.91722
83	83	c		0.98227	83	83	a		0.98010
84	84	¦		0.98631	84	84	¡		0.99192
85	85	W		0.98973	85	85	ì		0.99357
86	85	ì		0.98973	86	86	Þ		0.99554
87	85	÷		0.98973	87	87	b		0.99571
88	85	Þ		0.98973	88	87	÷		0.99571
89	85	b		0.98973	89	87	W		0.99571

Table 4.27: Gauging the Similarity of *c* and *e* to Possible Compound Letters via Preceding and Following Distributions

Rank	Compound Letters	Distribution Distance Preceding	Symbol Count	Rank		Distribution Distance Following	Symbol Count
29	(Ù)	0.30936	19	4	(ï)	0.26494	222
36	(ï)	0.37750	222	3	(à)	0.31115	14
37	(ð)	0.40885	82	5	(ð)	0.31134	82
36	(Ü)	0.41566	951	10	(Ü)	0.35015	951
39	(à)	0.53410	14	9	(í)	0.38441	940
42	(í)	0.56969	940	13	(K)	0.40545	10
25	(T)	0.61922	18	11	(Ù)	0.40607	19
25	(K)	0.62895	10	47	(T)	0.55195	18
28	(F)	0.68696	3	66	(F)	0.80341	3
47	(×)	0.70984	2	45	(¡)	0.80906	1
48	(ñ)	0.72750	1	56	(ñ)	0.83542	1
48	(¡)	0.72750	1	69	(×)	0.96803	2

Table 4.28: High Degree of Similarity Between the Most Common Ligatures of [fptk]

Rank	Character	Distribution Distance	Rank	Character	Distribution Distance
(Ü) Count = 951					
1	(ï)	0.06302	1	(ð)	0.14741
3	(ð)	0.10871	2	(ï)	0.16777
2	(í)	0.16096	3	(í)	0.18213
27	(Ù)	0.26986	4	(T)	0.25055
24	(à)	0.43755	5	(Ù)	0.27649
37	(×)	0.57135	6	(à)	0.28616
28	(T)	0.68598	7	(K)	0.31816
34	(K)	0.71828	56	(F)	0.58482
47	(ñ)	0.72674	58	(ñ)	0.59820
47	(¡)	0.72674	60	(×)	0.91816
31	(F)	0.73731	58	(¡)	0.96462
(ð) Count = 82					
1	(ï)	0.10481	1	(Ü)	0.14741
2	(Ü)	0.10871	2	(ï)	0.19583
3	(í)	0.22972	3	(í)	0.24929
4	(Ù)	0.24775	4	(Ù)	0.28658

5	(à)	0.47735	6	(à)	0.31794
6	(×)	0.58536	8	(K)	0.34268
7	(T)	0.72493	9	(T)	0.35840
7	(K)	0.73170	57	(F)	0.60365
7	(ñ)	0.74390	59	(ñ)	0.66463
26	(¡)	0.74390	52		0.90853
33	(F)	0.79268	62		0.93292
(ï) Count = 222					
1	(Ü)	0.06302	1	(Ü)	0.16777
2	(ð)	0.10481	2	(ð)	0.19583
3	(Ù)	0.21028	3	(à)	0.24967
3	(í)	0.21840	5	(í)	0.27058
25	(à)	0.43758	6	(Ù)	0.27524
34	(×)	0.54054	7	(K)	0.30540
26	(T)	0.65165	12	(T)	0.38888
28	(K)	0.66666	61	(F)	0.66216
44	(ñ)	0.67117	53	(ñ)	0.75675
44	(¡)	0.67117	59	(×)	0.90540
29	(F)	0.70270	57	(¡)	0.95945
(í) Count = 940					
4	(Ü)	0.16096	3	(Ü)	0.18213
27	(ï)	0.21840	3	(ð)	0.24929
5	(ð)	0.22972	5	(ï)	0.27058
41	(Ù)	0.42656	3	(T)	0.30189
35	(à)	0.50767	5	(à)	0.34194
45	(×)	0.66436	13	(Ù)	0.41802
47	(T)	0.83646	21	(K)	0.45744
54	(K)	0.86861	4	(ñ)	0.49148
61	(ñ)	0.88031	50	(F)	0.62624
61	(¡)	0.88031	56	(¡)	0.95638
50	(F)	0.88563	66	(×)	0.95957

Table 4.29: Destructive Testing of Zipf Slopes via Letter Removal

Version	Intercept	Slope	S	R^2 %	R^2 (adj) %	R^2 (pred) %
Baselines						
#3	11.246	-1.0223	27.8886	59.74	59.18	42.95
#16	9.103	-0.8197	20.2761	76.03	75.74	62.68
#18	9.060	-0.8147	20.0644	75.80	75.51	62.43
#19	9.060	-0.8147	20.0644	75.80	75.51	62.43
#21	9.040	-0.8126	19.5250	75.72	75.44	62.33
#22	9.052	-0.8141	20.0518	75.79	75.50	62.39
#23	9.149	-0.8242	22.5761	76.31	75.94	63.02
#24	12.023	-1.1100	29.5177	80.93	80.34	69.08
#25	12.012	-1.101	31.5483	79.43	78.77	65.56
#26	12.391	-1.1409	29.2158	82.73	82.18	71.31
Strongly Declining Zipf and/or R^2						
***o* Removed**						
#3	10.30	-0.933	27.6344	51.28	50.59	34.56
#23	9.017	-0.8251	20.7070	77.69	77.33	61.64
#26	11.944	-1.1085	28.4029	81.95	81.35	68.92
***a* Removed**						
#3	10.855	-0.9893	26.0903	61.63	61.09	44.25
#23	8.829	-0.7993	20.2808	79.18	78.85	66.00
#26	11.802	-1.0871	27.1793	83.85	83.31	72.05
***q* Removed**						
#3	10.993	-0.997	28.1647	57.02	56.41	38.61
#23	8.875	-0.7973	22.6056	74.86	74.46	60.28
#26	12.279	-1.1296	30.1348	81.02	80.39	67.89
Moderately Declining Zipf and/or R^2						
***y* Removed**						
#3	10.985	-1.0052	25.8505	62.32	61.79	44.91
#23	8.866	-0.8050	20.2208	79.28	78.95	65.96
#26	11.841	-1.0934	26.5482	84.59	84.07	73.63
***d* Removed**						
#3	10.817	-0.9843	26.2589	61.14	60.59	43.69
#23	8.812	-0.7965	20.4588	78.81	78.47	65.48
#26	11.809	-1.0868	27.5509	83.42	82.87	71.25
***l* Removed**						
#3	10.749	-0.9750	26.9627	59.28	58.70	41.30
#23	8.790	-0.7924	21.0139	77.70	77.34	63.92
#26	11.858	-1.0900	28.5498	82.31	81.72	69.41
***r* Removed**						
#3	10.815	-0.979	27.7634	57.48	56.88	39.10
#23	8.822	-0.7927	22.2888	75.33	74.94	60.82
#26	12.034	-1.1059	29.7113	81.17	80.54	67.77
***s* Removed**						
#3	10.823	-0.980	27.7887	57.44	56.84	39.05
#23	9.041	-0.8132	22.9974	74.65	74.25	60.32
#26	12.046	-1.1070	29.7360	81.15	80.52	67.76
***n* Removed**						
#3	10.919	-0.989	28.0504	57.08	56.47	38.64

#23	9.215	-0.8311	22.6330	76.44	76.07	63.16
#26	12.181	-1.1201	30.0466	80.98	80.35	67.68
***k* Removed**						
#3	10.757	-0.9762	26.8153	59.65	59.08	41.77
#23	8.787	-0.7916	21.2103	77.32	76.96	63.40
#26	11.847	-1.0891	28.3396	82.54	81.96	69.77
***t* Removed**						
#3	10.847	-0.982	27.8685	57.31	56.71	38.90
#23	8.848	-0.7949	22.4611	75.06	74.67	60.51
#26	12.091	-1.1114	29.8633	81.07	80.43	67.68
Substantial Increases						
***p* Removed**						
#3	11.598	**-1.059**	27.8662	59.54	58.97	42.40
#23	9.166	-0.8258	22.8858	75.35	74.96	61.48
#26	12.855	**-1.1879**	28.4835	83.76	83.22	73.14
***f* Removed**						
#3	11.651	**-1.065**	27.6084	60.80	60.25	44.20
#23	9.232	-0.8328	22.6632	76.23	75.86	62.84
#26	12.847	**-1.1875**	27.8895	84.65	84.14	74.47
***m* Removed**						
#3	11.663	-1.066	27.7116	60.23	59.67	43.41
#23	9.200	-0.8293	22.8016	75.68	75.29	61.99
#26	12.895	-1.1922	28.0484	84.36	83.84	74.13
***g* Removed**						
#3	11.478	-1.047	27.7595	60.58	60.02	43.90
#23	9.214	-0.8309	22.6339	76.45	76.07	63.16
#26	12.660	-1.1684	28.4705	84.09	83.56	73.42
Mixed Group (not present in #26)						
ß Removed						
#3	11.390	-1.0374	27.8759	60.29	59.73	43.56
#23	8.921	-0.8016	22.7888	74.65	74.24	60.09
W-Group Removed						
#3	11.81	**-1.081**	30.6564	62.02	61.34	45.47
#23	9.421	**-0.8529**	24.4814	74.32	73.83	58.98
Groups in Question						
***i* Removed**						
#3	10.771	-0.9783	26.6249	60.15	59.58	42.40
#23	9.214	-0.8309	22.6338	76.45	76.07	63.16
#26	11.828	-1.0878	28.0107	82.90	82.33	70.36
***e* Removed**						
#3	10.938	-1.0011	26.2767	60.56	60.00	41.43
#23	8.902	-0.8138	21.8681	72.94	72.51	56.88
#26	12.25	-1.146	33.1692	70.39	69.40	52.35
***c* Removed**						
#3	10.820	-0.9847	26.2404	61.19	60.65	43.75
#23	8.793	-0.7930	20.8879	77.95	77.60	64.26
#26	11.842	-1.0935	26.5542	84.58	84.06	73.63

Table 4.30: Convergence Towards -1 for Zipf Slopes of Words in Selected Transcription Versions

Version	Intercept	Slope	S	R^2 %	R^2 (adj) %	R^2 (pred) %
#3	8.24472	-0.98865	0.94519	95.62	95.61	95.26
#16	8.25058	-0.98914	0.95428	95.57	95.57	95.21
#18	8.25313	-0.98931	0.95138	95.59	95.58	95.23
#19	8.25313	-0.98931	0.95138	95.59	95.58	95.23
#21	8.25350	-0.98929	0.95138	95.58	95.58	95.23
#22	8.25185	-0.99021	0.94641	95.61	95.61	95.26
#23	8.25280	-0.99040	0.94628	95.61	95.61	95.26
#24	8.26065	-0.99182	0.94903	95.62	95.62	95.27
#25	8.26065	-0.99182	0.94903	95.62	95.62	95.27
#26	8.26168	-0.99190	0.95042	95.61	95.61	95.26

Table 4.31: Progression of the Zipf Slopes across Polygraphs and Phrases in Versions #22 and #26

Length	Version = 22						Version = 26					
	Intercept	Slope	S	R^2 %	R^2 (adj) %	R^2 (pred) %	Intercept	Slope	S	R^2 %	R^2 (adj) %	R^2 (pred) %
Polygraphs												
1 (Symbols)	9.052	-0.8141	20.0518	75.79	75.50	62.39	12.391	-1.1409	29.2158	82.73	82.18	71.31
2	8.1777	-0.8965	3.82643	89.44	89.42	87.18	8.755	-0.9475	6.38633	84.11	84.06	80.76
3	8.3045	-0.99385	1.83600	92.35	92.35	91.48	8.6195	-0.99498	2.82955	89.10	89.10	88.04
4	8.1866	-1.09968	1.03550	93.87	93.86	93.53	8.5831	-1.09561	1.53629	91.51	91.51	90.99
5	7.81746	-1.25903	0.63737	94.63	94.63	94.43	8.3307	-1.22598	0.86167	93.36	93.36	93.14
6	7.00717	-1.44749	0.41708	94.27	94.27	94.10	7.77884	-1.42152	0.49903	95.00	95.00	94.85
7	5.68390	-1.88994	0.26601	94.49	94.49	94.29	6.80639	-1.67906	0.23678	97.68	97.68	97.64
8	3.46265	-2.82192	0.04808	99.28	99.27	99.09	5.37174	-1.92153	0.10534	98.92	98.92	98.76
9							3.57491	-2.3038	0.09329	97.37	97.37	94.66
Phrases												
1 (Words)	8.25185	-0.99021		95.61	95.61	95.26	8.26168	-0.99190	0.95042	95.61	95.61	95.26
2	20.3382	-1.75122	0.94641	67.58	67.58	67.56						
3	5.11856	-2.73596	17.1707	98.65	98.65	98.58						
4	2.99597	-1.64270	0.02867	86.78	86.78	85.00						
5	2.83338	-1.51993	0.03056	88.99	88.99	87.03						
6	2.77270	-1.58291	0.02346	94.17	94.17	93.27						
7	2.70815	-1.71153	0.01584	94.56	94.56	94.08						
8	2.63919	-2.10676	0.01499	92.03	92.03	91.19						
9	2.56504	-2.00327	0.01991	95.09	95.09	94.06						
10	2.30264	-1.82760	0.01253	96.09	96.09	94.91						
11	2.07947	-1.70227	0.00892	98.15	98.15	97.17						

12	1.79176	-1.60726	0.00490	99.98	99.98	99.95						
13	1.60944	-2.32193	0.00038	100.00	100.00	100.00						
14	1.09861	-1.58496	0.00000	100.00	100.00	100.00						
15	0.69314	-1	0.00000	100.00	100.00	*						

Table 5.1: Sukhotin Scores for Each Letter in Version #22

Ranks		Glyphs		Whole Document		By Section				
#	Document Rank	Symbol		Document-Wide	Distinct Words	Herbal	Cosmological	Balneological	Pharmacological	Front/Backmatter
1	1	a		15.068	8.73	13.313	11.161	11.988	13.011	5.727
2	2	e		15.003	9.4	-13.16	-10.307	12.996	13.198	-6.014
3	3	o		14.528	8.458	12.824	10.677	12.78	12.656	5.781
4	4	y		11.107	6.961	11.656	9.783	11.735	-11.531	4.369
5	5	Á		3.97	3.85	2.565	2.485	0	2.996	0.693
7	6	O		1.792	1.792	0	0.693	1.099	1.386	0
6	6	‘		1.792	1.792	1.792	0	0	0	0
8	8	¬		0.693	0.693	0	0.693	0	0	0
15	9	¨		0	0	-1.609	0	0	-1.792	0
32	31	ë		-0.693	-0.693	0	0	-0.693	0	0
33	31	ó		-0.693	-0.693	0	0	-0.693	0	0
38	31	×		-0.693	-0.693	0	0	0	-0.693	0
35	31	b		-0.693	-0.693	-0.693	0	0	0	0
36	31	Õ		-0.693	-0.693	-0.693	0	0	0	0
39	31	Þ		-0.693	-0.693	-1.386	0	0	0	0
34	31	ô		-0.693	-0.693	-1.386	0	0	0	0
31	31	ê		-0.693	-0.693	0	-0.693	0	0	0
37	31	Ö		-0.693	-0.693	0	-0.693	0	0	0
40	40	Ð		-1.099	-1.099	0	0	0	-1.099	0
41	40	É		-1.099	-1.099	0	0	0	-1.099	0
43	40	*f*		-1.099	-1.099	0	0	0	0	0
42	40	F		-1.099	-1.099	-1.609	-1.386	0	0	0
49	44	ñ		-1.386	-1.386	0	-1.386	0	0	0
46	44	Ç		-1.386	-1.386	0	-1.386	0	0	0
44	44	‰		-1.386	-1.386	0	0	0	0	0
45	44	Î		-1.386	-1.386	-0.693	-0.693	0	0	0
48	44	õ		-1.386	-1.386	0	0	0	-1.386	0
47	44	½		-1.386	-1.386	-0.693	0	-0.693	0	0
53	50	v		-1.609	-1.609	0	0	-1.386	0	0
52	50	•		-1.609	-4.205	2.197	5.069	2.639	-3.664	0
50	50	À		-1.609	-1.609	0	-1.609	0	0	0
51	50	°		-1.609	-1.609	0	-2.079	0	0	0
54	54	z		-1.946	-1.946	0	0	0	-1.792	0
55	54	K		-1.946	-1.946	-1.386	-1.609	0	0	0.693
56	56	à		-3.296	-3.178	0	-2.565	-2.303	-1.946	0
57	57	j		-3.332	-2.773	0	-2.89	0	-1.946	0
58	58	T		-3.367	-2.89	-3.045	0	-0.693	0	0
59	59	Ù		-3.497	-3.497	-2.773	-1.099	-0.693	-1.099	0
60	60	ì		-4.043	-3.091	-0.693	-1.099	-1.386	-3.738	0
61	61	x		-4.094	-3.784	-2.773	-2.708	0	-2.398	0
62	62	ö		-4.419	-2.944	-3.178	-1.792	0	-2.833	0
63	63	ù		-4.787	-4.025	-3.332	-3.258	0	-3.401	0
64	64	Ý		-4.828	-4.078	-3.258	-3.258	-0.693	-3.689	0
65	65	i		-4.927	-4.394	-3.989	-2.485	0	-3.689	0
66	66	g		-5.22	-4.86	1.609	-3.738	-1.792	-3.932	0
67	67	h		-5.649	-4.407	-3.611	-3.045	-2.944	4.543	0
68	68	ð		-5.924	-4.927	-4.852	-3.367	-1.099	-3.584	-1.792
69	69	ú		-6.045	-4.22	-4.615	-3.367	0	-4.317	0
70	70	f		-6.88	-6.256	-6.275	-6.011	-2.485	-4.812	-1.386
71	71	n		-7.435	-5.165	-6.576	-3.761	-3.807	-4.796	-2.89
72	72	ï		-7.788	-5.649	-6.503	-2.639	-4.248	-5.298	-2.197
73	73	ø		-7.958	-4.898	-5.841	-5.981	-2.303	-6.096	-1.386
74	74	ã		-8.789	-5.231	-5.412	-6.593	-4.82	-7.295	0
75	75	p		-9.257	-6.985	-7.719	-7.244	-6.211	-7.96	-1.099
76	76	â		-10.658	-6.417	-8.05	-8.016	-5.004	-9.151	-1.609
77	77	m		-10.785	-6.664	-8.995	-7.857	-5.935	-8.878	-0.693
78	78	Ü		-11.266	-6.475	-10.306	-5.226	-8.383	-7.364	-3.989
79	79	s		-11.659	-7.694	-9.044	-8.21	-9.361	-9.503	-2.996
80	80	í		-11.685	-6.54	-8.725	-5.303	-9.389	-8.457	1.386
81	81	û		-12.777	-6.485	-9.738	-6.415	-11.092	-11.093	-4.205
82	82	ß		-13.593	-7.435	-11.02	7.222	-11.948	-11.223	-4.174
83	83	t		-13.743	-8.369	-11.24	-10.195	-10.896	-12.016	-3.784
84	84	r		-13.996	-8.389	-12.029	-10.886	-10.419	-11.88	-4.875
85	85	q		-14.031	-7.429	-10.509	-8.351	-12.488	-12.327	0
86	86	c		-14.321	-8.583	11.983	8.978	-11.755	-12.373	4.673
87	87	l		-14.389	-8.573	-12.241	-10.481	-12.178	-12.219	-5.088
88	88	w		-14.672	-7.069	-13.172	-10.359	-10.584	-12.627	-4.956
89	89	k		-14.931	-8.685	-11.583	-9.967	-13.1	-13.295	-4.754
90	90	d		-15.508	-9.09	-13.37	-10.624	-13.539	-12.474	-5.666

Table 5.2: Discrepancy Tracking of Sectional Sukhotin Scores over All Versions

Version	Sukhotin Strength	Distinct Words	Herbal	Cosmological	Balneological	Pharmacological	Front/Backmatter
#3	320.999	220.017	399.874	201.903	70.731	87.579	304.141
#4	330.432	169.2	69.435	145.696	74.52	81.944	178.449
#5	330.237	170.698	69.833	146	74.673	82.187	173.528
#6	367.814	132.712	74.506	159.567	89.279	126.448	190.183
#7	322.168	204.789	399.745	195.396	79.009	89.453	304.229
#8	319.277	201.545	394.294	192.696	77.469	82.036	301.337
#9	370.916	222.254	399.559	207.481	104.154	88.674	330.759
#10	404.729	150.441	80.083	154.387	113.86	139.265	203.21
#11	414.235	151.4	80.605	155.333	121.008	139.904	212.687
#12	414.235	151.4	80.605	155.333	121.008	139.904	212.687
#13	414.235	151.4	80.605	155.333	121.008	139.904	212.687
#14	354.715	127.633	143.974	183.582	84.17	102.254	222.618
#15	370.767	222.148	399.617	207.628	103.544	88.482	330.61
#16	398.058	144.732	138.525	175.071	112.094	113.173	242.183
#17	412.787	149.997	137.261	179.088	112.645	113.724	247.703
#18	400.954	147.611	145.666	182.661	120.336	112.9	244.836
#19	359.858	136.146	137.139	174.755	84.704	100.744	217.486
#21	403.026	146.3	147.755	184.289	123.565	110.454	246.944
#22	402.779	146.071	148.126	185.112	123.399	110.297	246.715
#23	384.939	124.749	127.903	169.312	101.168	98.175	229.946
#24	257.34	101.429	110.463	140.954	54.416	22.811	169.644
#25	244.385	84.487	175.347	118.086	54.946	20.584	150.819
#26	245.649	85.482	195.986	118.762	55.373	20.715	151.494

Table 5.3: Leading Sectional Sukhotin Score Discrepancies for Each Version Up to #26

Rank	Symbol	Sukhotin Score	Distinct Words	Herbal	Cosmological	Balneological	Pharmacological	Front/Backmatter
Version #3								
2	o	14.926	4.239	29.569	2.302	0.429	1.141	25.884
3	e	14.642	24.602	26.474	26.443	-0.046	0.577	24.957
5	c	13.832	23.626	27.862	25.193	0.836	1.001	23.989
6	s	12.64	22.068	25.266	23.753	-0.218	1.472	22.805
7	y	12.097	3.078	24.255	0.375	-1.359	24.601	3.266
58	ʔ (ß)	-4.533	-7.577	-7.098	-8.404	-0.163	-1.397	-4.533
63	(O)	-5.855	-12.547	-8.851	-13.144	-0.387	-1.035	-5.855
64	f	-7.931	-0.493	-13.949	-0.275	-0.905	-0.735	-0.68
65	p	-10.527	-2.301	-18.265	-1.799	-0.957	-0.353	-3.025
66	m	-10.779	-2.927	-0.749	-0.966	-3.198	-0.931	-16.083
67	t	-13.833	-4.591	-24.427	-1.704	-1.172	-0.818	-5.032
68	r	-13.982	-4.37	-24.28	-1.166	-1.821	-1.163	-5.309
69	q	-14.022	-5.387	-25.058	-3.719	0.178	-0.72	-14.022
70	l	-14.425	-4.594	-26.893	-2.006	-0.43	-1.174	-23.92
71	k	-14.954	-5.664	-26.221	-3.095	-0.134	-0.667	-9.651
72	h	-15.433	-25.371	-29.57	-26.623	-0.434	-1.105	-26.773
Version #4								
3	e	14.644	23.648	4.605	25.721	-0.055	0.582	4.885
6	y	12.136	2.592	-0.741	0.413	-1.33	24.631	21.102
61	(O)	-5.823	-12.53	-1.834	-13.106	-0.42	-1.069	-5.823
66	ʔ (ß)	-13.612	-19.515	-1.046	-22.726	0.085	-1.397	-3.505
69	q	-14.022	-5.349	-2.291	-3.723	0.186	-0.724	-14.022
Version #5								
3	e	14.644	23.648	4.55	25.715	-0.054	0.585	4.856
6	y	12.145	2.591	-0.745	0.426	-1.32	24.637	21.139
61	(O)	-5.823	-12.534	-1.834	-13.1	-0.42	-1.078	-5.823
66	ʔ (ß)	-13.491	-21.081	-1.286	-22.73	0.161	-1.372	-3.929
69	q	-14.022	-5.344	-2.285	-3.729	0.185	-0.727	-14.022
Version #6								
3	e	14.644	7.532	4.542	25.705	-0.053	0.588	4.825
6	y	12.136	2.58	-0.755	0.424	-1.327	24.736	21.162
62	(ð)	-5.73	0.226	0.552	-0.56	-8.563	-2.686	1.45
63	(O)	-5.823	0.836	-1.834	-13.095	-0.425	-1.078	-5.823
66	p	-10.489	-1.594	-1.492	-1.312	-0.962	-0.344	-10.489
68	(i)	-10.9	-3.214	-0.765	-3.682	-0.384	-19.165	-3.114
69	(î)	-11.01	-3.319	0.655	-3.853	-1.357	-18.283	-2.326
71	ʔ (ß)	-13.594	-4.85	-1.02	-22.728	0.08	-1.385	-3.478
74	q	-14.022	-5.279	-2.277	-3.736	0.183	-0.73	-14.022
Version #7								
2	o	14.926	4.237	29.569	2.298	0.43	1.141	25.883
3	e	14.642	24.563	26.473	26.436	-0.045	0.577	24.957
5	c	13.832	23.643	27.862	25.199	0.837	1.001	24.012
6	s	12.638	22.079	25.266	23.76	-0.219	1.47	22.803
7	y	12.097	3.063	24.254	0.371	-1.359	24.6	3.266
8	(Á)	3.555	-1.526	7.76	-0.863	3.555	0.188	-2.441
9	(•)	2.89	-3.194	5.455	-4.114	-1.54	7.297	2.89
60	ʔ (ß)	-4.844	-0.855	-8.245	-8.14	-0.475	-2.542	-4.844
65	f	-7.954	-0.508	-13.972	-0.22	-0.929	-0.741	-0.703
66	p	-10.53	-2.285	-18.267	-1.789	-0.96	-0.355	-3.028
67	m	-10.78	-2.919	-0.75	-0.962	-3.198	-0.931	-16.083
68	t	-13.834	-4.585	-24.427	-1.702	-1.173	-0.818	-5.032
69	r	-13.983	-4.367	-24.281	-1.165	-1.823	-1.16	-5.311
70	q	-14.022	-5.382	-25.057	-3.716	0.177	-0.721	-14.022
71	l	-14.426	-4.59	-26.893	-2.004	-0.431	-1.172	-23.921
72	k	-14.955	-5.653	-26.221	-3.091	-0.134	-0.667	-9.651

73	ᦀ (h)	-15.433	-25.372	-29.57	-26.624	-0.434	-1.106	-26.773
Version #8								
2	o	14.926	4.221	29.569	2.295	0.43	1.141	25.885
3	e	14.641	24.591	26.473	26.442	-0.046	0.576	24.958
5	c	13.832	23.641	27.862	25.196	0.836	1.001	24.013
6	s	12.638	22.077	25.266	23.757	-0.22	1.469	22.804
7	y	12.097	3.069	24.254	0.372	-1.359	24.6	3.265
8	ᦷ (Á)	3.555	-1.526	7.76	-0.851	3.555	0.188	-2.441
59	ᦸ (ß)	-4.844	-1.378	-8.245	-8.14	-0.475	-1.954	-4.844
64	f	-7.954	-0.521	-13.972	-0.241	-0.928	-0.723	-0.702
65	p	-10.53	-2.288	-18.268	-1.795	-0.96	-0.354	-3.027
66	m	-10.78	-2.92	-0.749	-0.964	-3.198	-0.931	-16.083
67	t	-13.834	-4.589	-24.428	-1.703	-1.173	-0.818	-5.031
68	r	-13.983	-4.368	-24.281	-1.167	-1.823	-1.16	-5.31
69	q	-14.022	-5.383	-25.058	-3.719	0.177	-0.72	-14.022
70	l	-14.426	-4.592	-26.894	-2.007	-0.431	-1.171	-23.921
71	k	-14.955	-5.659	-26.221	-3.094	-0.134	-0.667	-9.651
72	ᦀ (h)	-15.433	-25.372	-29.571	-26.621	-0.434	-1.105	-26.774
Version #9								
2	o	14.927	4.26	29.575	2.308	0.448	1.133	25.907
3	e	14.642	24.57	26.479	26.433	-0.027	0.569	24.98
4	c	13.832	23.62	27.867	25.188	0.855	0.994	24.034
5	s	12.637	22.061	25.271	23.755	-0.202	1.462	22.824
6	y	12.097	3.084	24.26	0.382	-1.34	24.608	3.244
7	ᦷ (Á)	3.555	-1.507	7.76	-0.851	3.555	0.188	-2.463
62	ᦸ (ß)	-4.844	-1.378	-8.245	-8.14	-0.5	-1.954	-4.844
65	ᦵ(O)	-5.883	-12.583	-8.656	-13.178	-0.432	-1.055	-5.883
66	ᦶ (ú)	-6.052	-0.555	-0.247	-0.87	-6.052	-0.754	-6.052
68	f	-7.959	-0.556	-13.983	-0.254	-0.953	-0.739	-0.686
71	p	-10.529	-2.316	-18.273	-1.802	-0.978	-0.346	-3.005
73	m	-10.785	-2.892	-0.741	-0.97	-3.218	-0.922	-16.108
75	t	-13.835	-4.611	-24.434	-1.713	-1.19	-0.812	-5.011
76	r	-14	-4.38	-24.087	-1.167	-1.857	-1.138	-5.118
77	q	-14.023	-5.403	-25.063	-3.727	0.159	-0.713	-14.023
78	l	-14.426	-4.616	-26.9	-2.014	-0.45	-1.164	-23.943
80	k	-14.957	-5.688	-26.229	-3.102	-0.154	-0.659	-9.634
81	ᦀ (h)	-15.433	-25.352	-29.576	-26.613	-0.452	-1.098	-26.795
Version #10								
3	e	14.644	7.709	4.53	25.682	-0.034	0.582	4.795
5	y	12.137	2.595	-0.76	0.432	-1.307	24.743	21.193
6	ᦺ (•)	3.807	8.586	7.333	-3.171	-0.956	8.201	3.807
64	ᦾ (ð)	-5.73	0.183	0.558	-0.457	-8.503	-2.686	1.479
65	ᦶ (ú)	-6.052	-0.503	-0.2	-0.779	-6.052	-0.764	-6.052
71	p	-10.495	-1.622	-1.49	-1.322	-0.987	-0.343	-10.495
74	ᦵ (í)	-10.9	-3.229	-0.759	-3.688	-0.402	-19.171	-3.084
75	ᦵᦷ (î)	-11.01	-3.337	0.661	-3.86	-1.376	-18.29	-2.296
78	ᦸ (ß)	-13.594	-4.864	-1.014	-22.723	0.061	-1.379	-3.448
81	q	-14.023	-5.299	-2.272	-3.742	0.164	-0.723	-14.023
Version #11								
3	e	14.644	7.698	4.53	25.682	-0.034	0.582	4.795
5	y	12.137	2.598	-0.76	0.432	-1.307	24.743	21.193
6	ᦺ (•)	3.807	8.586	7.333	-3.171	-0.956	8.201	3.807
66	ᦾ (ð)	-5.73	0.181	0.558	-0.457	-8.503	-2.686	1.479
67	ᦶ (ú)	-6.052	-0.503	-0.2	-0.779	-6.052	-0.764	-6.052
73	p	-10.491	-1.617	-1.488	-1.319	-0.983	-0.339	-10.491
76	ᦵ (í)	-10.9	-3.231	-0.759	-3.688	-0.402	-19.171	-3.084
77	ᦵᦷ (î)	-11.01	-3.336	0.661	-3.859	-1.376	-18.29	-2.296
80	ᦸ (ß)	-13.594	-4.87	-1.014	-22.723	0.061	-1.379	-3.448
83	q	-14.022	-5.297	-2.272	-3.743	0.164	-0.723	-14.022
Version #12								
3	e	14.644	7.698	4.53	25.682	-0.034	0.582	4.795
5	y	12.137	2.598	-0.76	0.432	-1.307	24.743	21.193
6	ᦺ (•)	3.807	8.586	7.333	-3.171	-0.956	8.201	3.807
66	ᦾ (ð)	-5.73	0.181	0.558	-0.457	-8.503	-2.686	1.479
67	ᦶ (ú)	-6.052	-0.503	-0.2	-0.779	-6.052	-0.764	-6.052
73	p	-10.491	-1.617	-1.488	-1.319	-0.983	-0.339	-10.491
76	ᦵ (í)	-10.9	-3.231	-0.759	-3.688	-0.402	-19.171	-3.084
77	ᦵᦷ (î)	-11.01	-3.336	0.661	-3.859	-1.376	-18.29	-2.296
80	ᦸ (ß)	-13.594	-4.87	-1.014	-22.723	0.061	-1.379	-3.448
83	q	-14.022	-5.297	-2.272	-3.743	0.164	-0.723	-14.022
Version #13								
3	e	14.644	7.698	4.53	25.682	-0.034	0.582	4.795
5	y	12.137	2.598	-0.76	0.432	-1.307	24.743	21.193
6	ᦺ (•)	3.807	8.586	7.333	-3.171	-0.956	8.201	3.807
66	ᦾ (ð)	-5.73	0.181	0.558	-0.457	-8.503	-2.686	1.479
67	ᦶ (ú)	-6.052	-0.503	-0.2	-0.779	-6.052	-0.764	-6.052
73	p	-10.491	-1.617	-1.488	-1.319	-0.983	-0.339	-10.491
76	ᦵ (í)	-10.9	-3.231	-0.759	-3.688	-0.402	-19.171	-3.084
77	ᦵᦷ (î)	-11.01	-3.336	0.661	-3.859	-1.376	-18.29	-2.296
80	ᦸ (ß)	-13.594	-4.87	-1.014	-22.723	0.061	-1.379	-3.448
83	q	-14.022	-5.297	-2.272	-3.743	0.164	-0.723	-14.022
Version #14								
2	e	14.998	4.279	29.396	27.23	0.283	0.834	26.4
5	y	11.108	2.949	-1.784	-0.604	-2.35	23.607	1.35

61	(h)	-5.687	0.148	-0.996	-0.731	-1.005	-11.216	-5.687
62	(O)	-5.858	0.857	-9.729	-13.148	-0.386	-1.087	-5.858
70	(í)	-11.685	-3.861	-1.728	-4.467	-0.557	-2.265	-18.459
71	(ß)	-13.594	-4.854	-1.317	-22.728	0.08	-1.405	-4.031
74	q	-14.023	-5.288	-2.279	-3.736	0.183	-0.73	-14.023
75	c	-14.319	-4.428	-27.538	-25.212	-0.842	-0.979	-24.38
Version #15								
2	o	14.927	4.26	29.576	2.305	0.448	1.133	25.907
3	e	14.642	24.57	26.479	26.433	-0.027	0.569	24.98
4	c	13.832	23.62	27.867	25.188	0.855	0.994	24.034
5	s	12.634	22.057	25.27	23.752	-0.205	1.459	22.821
6	y	12.097	3.084	24.26	0.382	-1.34	24.608	3.244
7	(Á)	3.555	-1.507	7.76	-0.851	3.555	0.188	-2.463
62	(ß)	-4.844	-1.378	-8.245	-8.14	-0.5	-1.954	-4.844
65	(O)	-5.883	-12.583	-8.656	-13.178	-0.432	-1.055	-5.883
66	(ú)	-6.052	-0.555	-0.247	-0.87	-6.052	-0.754	-6.052
68	f	-7.945	-0.532	-13.969	-0.24	-0.939	-0.725	-0.672
71	p	-10.529	-2.311	-18.272	-1.793	-0.977	-0.346	-3.005
73	m	-10.785	-2.892	-0.741	-0.97	-3.218	-0.922	-16.108
75	t	-13.834	-4.611	-24.433	-1.712	-1.191	-0.81	-5.01
76	r	-14	-4.38	-24.087	-1.167	-1.857	-1.138	-5.118
77	q	-14.023	-5.405	-25.064	-3.728	0.158	-0.712	-14.023
78	l	-14.426	-4.614	-26.9	-2.01	-0.45	-1.165	-23.943
80	k	-14.957	-5.688	-26.229	-3.097	-0.154	-0.66	-9.634
81	h	-15.433	-25.352	-29.576	-26.613	-0.452	-1.098	-26.795
Version #16								
2	e	14.997	4.311	29.401	27.218	0.301	0.828	26.429
4	y	11.111	2.918	-1.786	-0.594	-2.328	23.616	1.324
6	(•)	3.664	8.612	0.368	-3.32	-0.942	7.883	3.664
63	g	-5.112	0.938	-7.415	0.161	-1.615	-0.458	-5.112
64	(h)	-5.684	0.137	-0.839	-0.735	-1.02	-11.217	-5.684
66	(ú)	-6.045	-0.54	-0.193	-0.772	-6.045	-0.757	-6.045
77	(í)	-11.685	-3.878	-1.722	-4.473	-0.576	-2.258	-18.488
79	(ß)	-13.594	-4.874	-1.311	-22.723	0.061	-1.398	-4.001
82	q	-14.023	-5.306	-2.273	-3.743	0.164	-0.723	-14.023
83	c	-14.318	-4.446	-27.544	-25.206	-0.861	-0.973	-24.409
Version #17								
1	e	15.012	4.325	29.416	27.233	0.316	0.842	26.444
6	y	11.111	2.891	-1.787	-0.595	-2.328	23.616	1.287
16	(•)	3.497	8.59	0.201	-3.449	-1.109	7.716	3.497
69	g	-5.112	0.938	-7.415	0.161	-1.615	-0.458	-5.112
70	(h)	-5.687	0.133	-0.899	-0.738	-1.024	-11.22	-5.687
78	(í)	-11.685	-3.877	-1.722	-4.473	-0.576	-2.258	-18.488
79	(ß)	-13.594	-4.874	-1.311	-22.727	0.061	-1.399	-4.001
81	q	-14.024	-5.308	-2.274	-3.744	0.166	-0.724	-14.024
83	c	-14.319	-4.444	-27.544	-25.206	-0.861	-0.973	-24.437
Version #18								
2	e	15.004	4.319	29.413	27.231	0.29	0.84	26.441
4	y	11.139	2.91	-1.762	-0.573	-2.314	23.636	1.346
9	(•)	0	5.425	-3.434	-6.984	-4.605	4.625	0
66	g	-5.094	1.002	-7.927	0.219	-1.597	-0.242	-5.094
67	(h)	-5.649	0.041	-0.797	-0.693	-0.995	-11.154	-5.649
69	(ú)	-6.045	-0.544	-0.187	-0.767	-6.045	-0.762	-6.045
80	(í)	-11.685	-3.862	-1.716	-4.467	-0.578	-2.262	-18.494
82	ß	-13.598	-4.876	-1.309	-22.733	0.068	-1.409	-4
85	q	-14.033	-5.32	-2.277	-3.747	0.173	-0.739	-14.033
86	c	-14.323	-4.455	-27.554	-25.216	-0.85	-0.983	-24.419
Version #19								
2	e	15.004	4.307	29.413	27.235	0.282	0.845	26.422
5	y	11.137	2.897	-1.764	-0.579	-2.324	23.629	1.363
41	(•)	-1.386	4.099	-4.82	-8.355	-6.001	3.229	-1.386
57	g	-5.112	1.019	-6.904	0.206	-1.615	-0.26	-5.112
58	(h)	-5.649	0.051	-0.797	-0.686	-0.986	-11.15	-5.649
67	(í)	-11.685	-3.85	-1.717	-4.462	-0.57	-2.267	-18.475
69	(ß)	-13.598	-4.863	-1.31	-22.738	0.076	-1.414	-4.019
72	q	-14.033	-5.308	-2.277	-3.742	0.181	-0.744	-14.033
73	c	-14.323	-4.443	-27.554	-25.221	-0.842	-0.988	-24.4
Version #21								
2	e	15.004	4.32	29.414	27.231	0.29	0.84	26.441
4	y	11.131	2.89	-1.77	-0.578	-2.322	23.628	1.338
50	(•)	-1.609	3.875	-5.043	-8.593	-5.966	3.016	-1.609
66	g	-5.22	0.922	-8.054	0.432	-1.724	-0.33	-5.22
67	(h)	-5.649	0.038	-0.797	-0.693	-0.995	-11.154	-5.649
69	(ú)	-6.045	-0.544	-0.187	-0.767	-6.045	-0.762	-6.045
80	(í)	-11.685	-3.863	-1.716	-4.467	-0.578	-2.262	-18.494
82	(ß)	-13.598	-4.879	-1.309	-22.736	0.068	-1.409	-4
85	q	-14.033	-5.321	-2.277	-3.747	0.173	-0.739	-14.033
86	c	-14.323	-4.456	-27.554	-25.218	-0.85	-0.983	-24.419
Version #22								
2	e	15.003	4.321	29.408	27.227	0.29	0.84	26.438
4	y	11.107	2.864	-1.794	-0.594	-2.344	23.602	1.315
50	(•)	-1.609	3.875	-5.043	-8.596	-5.953	3.016	-1.609
66	g	-5.22	0.92	-8.054	0.432	-1.724	-0.33	-5.22

67	ᔑ (h)	-5.649	0.038	-0.797	-0.693	-0.995	-11.154	-5.649
69	ᔕ (ú)	-6.045	-0.548	-0.187	-0.762	-6.045	-0.767	-6.045
80	ᔖ (í)	-11.685	-3.864	-1.715	-4.464	-0.579	-2.263	-18.493
82	ᔗ (ß)	-13.593	-4.876	-1.327	-22.732	0.072	-1.405	-3.996
85	q	-14.031	-5.321	-2.277	-3.762	0.173	-0.74	-14.031
86	c	-14.321	-4.456	-27.55	-25.216	-0.85	-0.983	-24.416
Version #26								
1	e	15.107	4.215	0.929	27.126	0.357	0.904	3.718
3	o	14.411	5.1	29.085	1.79	-0.086	0.81	25.369
21	f	-6.859	0.535	-12.238	1.142	-2.305	-0.862	0.382
22	p	-9.191	-1.095	-16.805	0.014	-1.213	-0.22	-2.105
23	m	-10.779	-2.916	-0.744	-0.989	-3.124	-0.932	-16.073
24	y	-11.768	-5.96	0.953	-23.497	-25.103	0.858	-2.054
26	t	-13.67	-4.172	-23.557	-1.529	-1.029	-0.671	-4.791
27	r	-13.972	-4.424	-24.095	-1.17	-1.833	-1.152	-5.542
28	c	-14.031	-4.529	-0.116	-25.332	-1.492	-0.852	-4.864
29	q	-14.032	-5.33	-25.072	-3.74	0.177	-0.732	-14.032
30	l	-14.374	-4.651	-26.848	-1.966	-0.475	-1.182	-23.812
32	k	-14.889	-5.104	-22.892	-2.973	-0.06	-0.614	-8.208

Table 5.4: The Herbal c/e Imbalance for Polygraph Lengths 2-3 in Version #26

Length = 2 and *c*

Polygraph	Polygraph Count	Herbal Section Affinity Score
lc	429	-0.16091
qc	18	-0.15145
ac	53	-0.08188

Length = 2 and *e*

Polygraph	Polygraph Count	Herbal Section Affinity Score
en	15	0.48281
fe	64	0.21193
pe	118	0.19976
ᑊᑉ (Åe)	24	0.19811
eo	2470	0.16372
ef	56	0.13477
ea	552	0.11663
ek	315	0.09847
ce	3185	0.09764
et	198	0.05657
en	15	0.48281
fe	64	0.21193
pe	118	0.19976
ᑊᑉ (Åe)	24	0.19811
eo	2470	0.16372
ef	56	0.13477
ea	552	0.11663
ek	315	0.09847
ce	3185	0.09764
et	198	0.05657

Length = 3 and c

Polygraph	Polygraph Count	Herbal Section Affinity Score
lpc	20	-0.21522
lkc	50	-0.19855
oec	11	-0.19098
cel	24	-0.17844
lce	281	-0.16432
lcs	136	-0.16383
eec	120	-0.14490
scs	21	-0.12563
olc	202	-0.12534
rcs	39	-0.12502
kec	73	-0.11949
ece	152	-0.11899
ecs	70	-0.11083
alc	99	-0.10359

Length = 3 and *e*

Polygraph	Polygraph Count	Herbal Section Affinity Score
eoi	17	0.55144
ean	12	0.51811
een	12	0.43239
feo	11	0.40561
eai	127	0.39210
pea	11	0.38477
eom	31	0.36368
sce	58	0.34164
eof	20	0.33715
ceo	756	0.32131
seo	303	0.30803
cte	243	0.30108
peo	32	0.29705
eor	283	0.29240
eef	31	0.28953
tce	316	0.27799
etc	37	0.27366
cey	341	0.27009
sey	138	0.25779
ekc	51	0.25758
pey	21	0.25382
dce	145	0.24926
fee	19	0.24192
ᓚᑊᑉ (cÅe)	21	0.24192
tea	48	0.24147
eto	20	0.23662
efa	14	0.21811
eot	126	0.21625
kce	345	0.21543
cea	191	0.21497
cpe	110	0.21334
cek	53	0.21186
eko	27	0.20459
ecf	20	0.19637
eyd	21	0.19637
cfe	59	0.19179
cet	47	0.18724
oep	14	0.18477
teo	191	0.16199

oce	130	0.16009
eoc	139	0.15411
eol	531	0.14105
epa	19	0.13477
ese	37	0.12836
tey	92	0.12677
fce	133	0.12405
eam	45	0.12260
eok	200	0.12226
efc	12	0.11811
eod	537	0.11745
eyt	29	0.11204
eyk	48	0.10794
yce	104	0.10214

Table 5.5: Vowel Clusters Identified in Version #26 through the Sukhotin Algorithm

Polygraph	Polygraph Count	% of Vowel Clusters
Length = 2		
ee	3618	48.408
eo	2470	33.048
ea	552	7.386
oe	454	6.074
oa	149	1.994
oo	75	1.003
an	61	0.816
no	26	0.348
na	17	0.227
ae	16	0.214
en	15	0.201
ao	12	0.161
on	5	0.067
aa	2	0.027
ne	1	0.013
nn	1	0.013

Polygraph	Polygraph Count	% of Vowel Clusters
Length = 3		
34 more with consecutive instances of *e*	2214	89.817
eoe	71	2.88
eoa	53	2.150
oeo	44	1.785
eoo	25	1.042
oea	16	0.609
ean	12	0.487
ooe	6	0.243
ooo	5	0.203
eon	4	0.162
ooa	3	0.122
ana	2	0.081
ano	1	0.041
aoe	1	0.041
aan	1	0.041
aea	1	0.041
aen	1	0.041
ona	1	0.041
noe	1	0.041
oaa	1	0.041
oan	1	0.041
oao	1	0.041

Polygraph	Polygraph Count	% of Vowel Clusters
Length = 4		
oeeo	32	26.891
eeoe	21	17.647
eeoa	18	15.126
eoee	15	12.605
oeea	9	7.563
eeoo	7	5.882
eean	4	3.361
ooee	4	3.361
oeoe	3	2.521
oeoa	1	0.84
aeeo	1	0.84
eoeo	1	0.84
aoeo	1	0.84
eoan	1	0.84
eoea	1	0.84

Polygraph	Polygraph Count	% of Vowel Clusters
Length = 5		
eeoee	4	66.667
oeoea	1	16.667
ooeeo	1	16.667

Table 5.6: Consecutive Repetitions of the Same Letter in Version #26

Polygraph	Document Count
ee	3618
ii	920
oo	75
ll	48
dd	23
cc	6
yy	5
ss	4
rr	3
aa	2 (actually 1)
mm (actually gg)	2 (1 of gg)
nn (0)	1 (0)
ff (0)	1 (0)

Table 5.7: Changes in Consonant and Vowel Clusters in Version #26 Induced by Vowel Substitutions

Character and Polygraph Length	Consonant Clusters			Vowel Clusters			
Length	Cluster Count	Polygraph Count	Improvement	Length	Cluster Count	Polygraph Count	Improvement
[ao | c]							
				9	1	1	
8	1	1		8	1	2	
7	2	2		7	1	3	
6	9	12		6	1	4	
5	50	70		5	13	32	

4	180	433		4	18	337	
3	296	2840		3	17	2057	
n							
				9	1	1	0
			1	8	1	2	0
			2	7	1	3	0
6	3	3	9	6	2	5	-1
5	32	36	24	5	15	37	-5
4	158	280	210	4	21	353	-16
3	273	2093	757	3	27	2093	-36
y							
				9	1	1	0
8	1	1	0	8	1	2	0
7	2	2	0	7	1	3	0
6	7	7	5	6	3	6	-2
5	24	28	42	5	23	62	-30
4	84	239	194	4	30	540	-163
3	164	1912	928	3	32	2739	-682
i							
				9	1	1	0
			1	8	1	2	0
			2	7	2	4	-1
6	2	2	10	6	6	13	-9
5	20	21	49	5	29	84	-52
4	111	203	230	4	38	625	-288
3	222	1732	1108	3	32	3167	-1110
s							
				9	1	1	0
8	1	1	0	8	2	3	-1
7	2	2	0	7	8	10	-7
6	8	11	1	6	31	42	-38
5	39	58	12	5	68	217	-185
4	132	332	101	4	67	1003	-666
3	232	2133	707	3	45	3638	-1581
i							
				11	1	1	-1
				10	2	2	-2
				9	3	3	-3
8	1	1	0	8	3	4	-3
7	2	2	0	7	5	7	-5
6	8	11	1	6	17	25	-21
5	34	51	19	5	52	171	139
4	126	336	97	4	66	900	553
3	216	2251	589	3	44	3495	-1338
r_i (Å)							
				9	1	1	0
8	1	1	0	8	1	2	0
7	2	2	0	7	1	3	0
6	9	12	0	6	1	4	0
5	50	70	0	5	15	34	-2
4	180	433	0	4	24	344	-7
3	292	2835	5	3	23	2074	-17
g							
				9	1	1	0
8	1	1	0	8	1	2	0
7	2	2	0	7	1	3	0
6	8	11	1	6	1	4	0
5	48	68	2	5	13	32	0
4	173	426	7	4	23	348	-11
3	283	2825	15	3	26	2098	-75
m							
				9	1	1	0
8	1	1	0	8	1	2	0
7	2	2	0	7	1	3	0
6	9	12	0	6	2	5	-2
5	50	70	0	5	17	36	-4
4	176	429	4	4	30	369	-32
3	285	2814	26	3	29	2173	-116
Both *n* and *y*							
				9	1	1	0
			1	8	1	2	0
			2	7	1	3	0
6	2	2	10	6	4	7	-3
5	8	8	62	5	25	67	-35
4	65	107	326	4	34	557	-220
3	144	1196	1644	3	43	2776	-719
Both *n* and *i*							
				11	1	1	-1
				10	2	2	-2
				9	4	4	-3
			1	8	6	7	-5
			2	7	12	17	-14
6	2	2	10	6	27	65	-61
5	20	21	49	5	56	336	-304
4	111	203	230	4	63	1402	-1065
3	216	1718	1122	3	52	4239	-2192

Table 5.8: Consonant and Vowel Cluster Counts by Version, Up to #26

			Length = 3		Length = 4		Length > 4	
Version	**Distinct Polygraphs**	**Global Polygraph Count**	**Distinct Clusters**	**Absolute Count**	**Distinct Clusters**	**Absolute Count**	**Distinct Clusters**	**Absolute Count**
#3	26297	145767	0.703	7.524	0.601	0.414	0.301	0.088
#4	25127	137612	0.843	7.505	0.35	0.244	0.112	0.032
#5	24449	133164	0.887	7.603	0.474	0.279	0.127	0.035
#6	24076	129779	1.026	7.286	0.34	0.249	0.108	0.032
#7	25808	144248	0.705	7.514	0.608	0.416	0.306	0.089
#8	25779	144825	0.659	7.558	0.625	0.435	0.322	0.093
#9	23673	132585	0.866	7.312	0.57	0.431	0.313	0.093
#10	21641	116624	1.211	6.95	0.286	0.252	0.106	0.033
#11	21710	116847	1.211	6.942	0.291	0.252	0.106	0.033
#12	21710	116847	1.211	6.942	0.291	0.252	0.106	0.033
#13	21710	116847	1.211	6.942	0.291	0.252	0.106	0.033
#14	23059	129697	1.088	9.833	0.382	0.378	0.13	0.047
#15	23676	132510	0.866	7.312	0.57	0.431	0.313	0.093
#16	20769	116698	1.29	9.771	0.318	0.388	0.125	0.048
#17	21855	116660	1.153	9.759	0.311	0.384	0.119	0.048
#18	21116	117861	1.255	9.628	0.303	0.384	0.118	0.047
#19	22639	125080	1.232	9.577	0.292	0.366	0.137	0.053
#21	21192	117964	1.387	9.763	0.34	0.388	0.147	0.055
#22	21159	117918	1.39	9.764	0.34	0.388	0.147	0.055
#23	21164	118125	1.351	9.771	0.354	0.391	0.152	0.055
#24	23940	139755	0.693	10.199	0.426	0.4	0.155	0.052
#25	26270	156111	0.544	10.484	0.376	0.426	0.148	0.053
#26	26132	155849	0.547	10.477	0.379	0.426	0.15	0.053

Table 6.1: Sectional Effects on Paragraph Initiator Scores for Version #26

Symbol	**Paragraph Initiator Score**	**Differential by Section**				
		1	**2**	**3**	**4**	**5**
p	0.43222	0.30030	0.05009	0.15951	0.49013	-0.00024
e	-0.19160	0.33360	0.02489	0.11683	0.52415	0.00814
t	0.18764	0.42291	0.00014	0.07314	0.51143	-0.00172
o	-0.09271	0.34126	0.04337	0.11134	0.49430	-0.00264
a	-0.07366	0.30948	0.03394	0.08607	0.55073	0.01015
y	-0.06771	0.37781	0.03578	0.17701	0.40217	-0.02798
c	-0.06325	0.46679	0.01019	0.10330	0.47514	-0.00285
i	-0.05964	0.37748	0.02571	0.07844	0.54840	0.01188
l	-0.05112	0.29922	0.02697	0.14847	0.49660	0.00580
k	0.04741	0.79288	-0.00027	-0.01196	0.21935	-0.00843
f	0.03985	0.45246	-0.00259	-0.00291	0.52361	0.03137
r	-0.03707	0.37678	0.03580	0.08064	0.48488	0.01078
d	-0.03545	0.46565	0.04907	0.21047	0.22174	0.01418
n	-0.03115	0.37071	0.02110	0.09599	0.54779	0.01324
s	-0.01582	0.67834	-0.00977	0.22068	-0.01710	0.03583
q	0.01390	0.15663	-0.02317	0.36701	0.48656	0.00000
m	-0.00558	0.41570	0.03464	0.03464	0.54042	0.00000
ᚹ(Å)	0.00244	-0.03175	0.00000	0.00000	1.03704	0.00000
g	-0.00073	0.38596	0.07018	0.01754	0.35088	0.00000
x	-0.00021	0.31250	0.06250	0.00000	0.43750	0.00000
j	-0.00003	0.00000	0.00000	0.00000	0.50000	0.00000

Table 6.2: Sectional Effects on Paragraph Terminator Scores for Version #26

Symbol	**Paragraph Terminator Score**	**Differential by Section**				
		1	**2**	**3**	**4**	**5**
y	0.34724	0.30116	0.02271	0.16589	0.50052	0.01659
e	-0.19160	0.33360	0.02489	0.11683	0.52415	0.00814
n	0.18793	0.48029	0.01707	0.03209	0.45779	0.00466
o	-0.12106	0.36779	0.03321	0.09591	0.48499	0.00862
m	0.10396	0.37436	0.06012	0.01054	0.54122	0.01240
c	-0.09031	0.45534	0.02140	0.10088	0.44692	0.01227
a	-0.07237	0.31499	0.03454	0.08761	0.54274	0.01033
i	-0.05964	0.37748	0.02571	0.07844	0.54840	0.01188
d	-0.05736	0.35520	0.00786	0.15255	0.45158	0.00876
k	-0.05568	0.32006	0.02337	0.12590	0.53066	0.00717
r	0.04798	0.27290	0.07977	0.15257	0.51168	-0.00833
t	-0.03401	0.43274	0.03714	0.08905	0.39901	0.00947
l	0.03264	0.39992	-0.04224	0.24122	0.44611	-0.00908
q	-0.02733	0.25035	0.01179	0.19048	0.55398	0.00000
p	-0.00851	0.34545	0.03030	0.07576	0.54697	0.01212
g	0.00571	0.85327	-0.00903	-0.00226	0.18059	0.00000
s	-0.00423	1.32012	0.26829	0.21646	-1.28354	0.13415
f	-0.00268	0.48558	0.03846	0.04327	0.38942	0.01442
x	-0.00021	0.31250	0.06250	0.00000	0.43750	0.00000
ᚹ(Å)	-0.00014	0.54545	0.00000	0.00000	0.36364	0.00000
j	-0.00003	0.00000	0.00000	0.00000	0.50000	0.00000

Table 6.3: Sectional Discrepancies on Paragraph Initiator Scores in Version #26

Symbol	Differences By Section				
	1	2	3	4	5
j	0.29430	-0.35616	0.17891	-0.12208	0.00502
p	0.13829	-0.00009	0.12410	0.17198	-0.00216
q	0.09002	0.07953	-0.12347	-0.03737	0.00502
k	0.06791	0.01945	-0.02488	-0.01604	0.00057
l	0.04410	0.00565	-0.05705	-0.04418	0.00155
x	0.03842	-0.25152	0.17891	0.02901	0.00502
t	0.02991	-0.04753	0.05377	0.15316	-0.00056
a	0.01623	-0.03909	0.03350	-0.08214	-0.00145
r	-0.02000	-0.04272	0.05012	-0.02280	-0.00126
g	-0.02142	-0.23205	0.13863	0.10922	0.00502
n	-0.02307	0.02961	0.02035	-0.05660	-0.00296
d	-0.02331	0.00205	-0.04139	0.02836	0.00021
y	-0.02588	-0.00252	-0.04916	0.00964	0.00261
s	-0.03560	-0.01685	-0.02926	0.07126	-0.00392
i	-0.03956	0.00483	0.04751	-0.07258	-0.00233
o	-0.04109	-0.02312	0.01007	-0.03821	0.00080
e	-0.04470	0.00666	-0.03216	-0.12177	-0.00109
m	-0.05183	-0.04217	0.12126	-0.03711	0.00412
f	-0.08954	-0.07121	0.10216	0.10160	-0.00308
c	-0.11066	0.02910	0.00932	0.00736	-0.00168
ᚠ(Å)	-0.18854	0.04039	0.07546	0.07012	0.00502

Table 6.4: Sectional Discrepancies on Paragraph Terminator Scores in Version #26

Symbol	Differences By Section				
	1	2	3	4	5
j	0.29430	-0.35616	0.17891	-0.12208	0.00502
y	0.10427	0.00779	0.02043	0.21067	0.00647
q	0.08100	0.07953	-0.13378	-0.05928	0.00502
n	0.07873	0.03347	0.02937	0.04650	-0.00167
l	0.07245	0.00565	-0.04159	-0.00424	0.00155
x	0.03842	-0.25152	0.17891	0.02901	0.00502
a	0.01623	-0.03909	0.03350	-0.08085	-0.00145
k	0.01250	0.01816	-0.03133	-0.05599	0.00057
r	0.00706	-0.03757	0.06043	0.01973	-0.00126
p	0.00556	-0.02200	0.05451	-0.04451	-0.00216
m	-0.01059	-0.03572	0.12255	0.02217	0.00541
g	-0.01627	-0.23205	0.13863	0.11051	0.00502
d	-0.02717	0.00334	-0.04268	0.01032	0.00021
s	-0.03045	-0.01814	-0.02668	0.07642	-0.00392
i	-0.03956	0.00483	0.04751	-0.07258	-0.00233
e	-0.04470	0.00666	-0.03216	-0.12177	-0.00109
o	-0.05398	-0.02312	0.00878	-0.05110	-0.00049
t	-0.06417	-0.04882	0.03702	0.04362	-0.00056
f	-0.10887	-0.07121	0.10216	0.07970	-0.00437
c	-0.12226	0.02781	0.00675	-0.00295	-0.00297
ᚠ(Å)	-0.18854	0.04039	0.07546	0.06754	0.00502

Table 6.5: Sectional Specificity by Symbol in Version #26

Symbol	Document Count	Section Affinity				
		1	2	3	4	5
ᚠ(Å)	29	0.18846	-0.04039	-0.07546	-0.06759	-0.00502
f	535	0.10757	0.07111	-0.10227	-0.08074	0.00433
c	18019	0.08114	-0.02974	-0.01586	-0.03741	0.00186
m	1114	0.04951	0.04197	-0.12146	0.03409	-0.00412
t	7043	0.04945	0.04755	-0.04005	-0.05719	0.00024
s	7529	0.02487	0.01700	0.02577	-0.07099	0.00335
g	149	0.02114	0.23200	-0.13864	-0.10948	-0.00502
i	11900	0.01705	-0.00636	-0.05218	0.03988	0.00162
n	6216	0.01153	-0.03027	-0.02334	0.03953	0.00254
o	26212	0.00946	0.01910	-0.02039	-0.00761	-0.00055
d	13245	0.00680	-0.00379	0.03393	-0.03622	-0.00071
r	7655	0.00603	0.04140	-0.05311	0.00482	0.00086
y	17882	0.00030	0.00010	0.03718	-0.03687	-0.00071
p	1697	-0.00850	0.02174	-0.05516	0.03986	0.00205
e	38229	-0.01922	-0.01143	0.00977	0.02134	-0.00047
k	11111	-0.03032	-0.01946	0.02432	0.02644	-0.00097
x	43	-0.03848	0.25151	-0.17891	-0.02910	-0.00502
a	14698	-0.03902	0.03659	-0.03984	0.04158	0.00070
l	10715	-0.05939	-0.00703	0.04946	0.01880	-0.00184
q	5454	-0.08784	-0.07985	0.12857	0.04414	-0.00502
j	6	-0.29430	0.35616	-0.17891	0.12206	-0.00502

Table 6.6: Ranking the Cumulative Figure Affinity Scores in Version #26

Figure Affinity Score	Value
Herbal Phytomorphs	1.16974
Canisters	0.52867
Balneological Nymphs	0.52127
Pharmacological Phytomorphs	0.50073
Balneological Non-Nymphs	0.41369
Rosette Figures	0.40530
Cosmological Nymphs	0.35922
Text Rings	0.17860
Figures in General	0.17768
Cosmological Non-Nymphs	0.14063

Table 6.7: Symbol Affinity Scores by Figure Type in Version #26

Glyph	Count	Figures	Canisters	Herbal Phytomorphs	Pharmacological Phytomorphs	Cosmological Nymphs	Balneological Nymphs	Cosmological Other	Balneological Other	Rosette Figures	Text Rings
o	26212	0.03271	0.07637	-0.01137	**0.10971**	0.05063	0.08062	0.02388	0.07560	0.07341	0.02947
a	14698	0.01836	0.04253	**0.20633**	0.03948	0.04833	0.02912	0.01339	0.02168	0.03830	0.01372
t	7043	0.01141	-0.00713	0.04470	0.00822	0.01370	-0.00532	0.01230	-0.00507	0.00264	0.01794
r	7655	0.01087	0.04262	-0.03837	0.04170	0.00763	0.00874	0.00898	0.01745	0.02793	0.00969
s	7529	0.00742	-0.00252	-0.03773	0.01361	0.00327	0.01152	0.00778	-0.00053	0.00241	0.00876
g	149	0.00231	0.02038	0.03925	0.01231	0.00325	-0.00075	0.00144	-0.00075	0.00662	0.00072
l	10715	0.00226	0.03080	0.06630	0.01766	0.02330	0.07478	-0.00377	0.04862	-0.00361	-0.00063
f	535	0.00148	0.00436	-0.00268	0.00428	0.00832	-0.00268	0.00074	-0.00036	0.00616	-0.00026
m	1114	0.00082	-0.00558	**0.11442**	-0.00210	0.00842	-0.00558	0.00047	-0.00558	0.00031	-0.00195
x	43	0.00040	-0.00022	-0.00022	-0.00022	-0.00022	-0.00022	0.00053	-0.00022	0.00199	0.00091
j	6	0.00021	0.00701	-0.00003	0.00084	-0.00003	-0.00003	0.00012	-0.00003	0.00107	0.00006
♀(Å)	29	0.00002	-0.00015	-0.00015	0.00072	-0.00015	-0.00015	-0.00010	0.00218	-0.00015	-0.00015
p	1697	-0.00023	0.00206	-0.00851	0.00107	0.00199	-0.00636	-0.00022	-0.00851	0.00696	-0.00116
y	17882	-0.00029	0.01249	-0.08962	-0.00520	0.01088	0.00674	-0.00123	-0.00358	-0.01743	-0.00916
d	13245	-0.00113	0.01812	0.05362	-0.00024	-0.02138	0.02569	-0.00092	0.03594	0.02201	-0.00502
k	11111	-0.00731	0.00769	-0.05569	-0.01043	-0.00119	0.02354	-0.00864	-0.00453	-0.00339	-0.00858
i	11900	-0.00910	-0.01387	0.06036	-0.02048	-0.01214	-0.02324	-0.00817	0.00547	0.01181	-0.00969
n	6216	-0.01074	-0.02059	-0.03115	-0.01723	-0.01065	-0.01831	-0.01036	-0.00092	-0.00905	-0.01084
e	38229	-0.01582	**-0.12470**	**-0.19160**	-0.09674	-0.05760	-0.10381	-0.00186	-0.08695	-0.07742	0.00684
q	5454	-0.02008	-0.02734	-0.02734	-0.02646	-0.02684	-0.02091	-0.01885	-0.02268	-0.02255	-0.02301
c	18019	-0.02473	-0.06214	-0.09031	-0.07203	-0.04931	-0.07318	-0.01690	-0.06705	-0.07005	-0.02004

Table 6.8: Symbol Affinity Scores by Folio, Sans Sectional Effects in Version #26

Section	Folio	Symbol	Actual Count	Section Affinity Score	Affinity Difference
1	f66r	x	5	-0.03848	0.14592
3	f76v	g	2	-0.13864	0.14103
3	f83v	g	1	-0.13864	0.13809
3	f82v	g	1	-0.13864	0.13680
3	f79v	g	1	-0.13864	0.13609
3	f83r	g	1	-0.13864	0.13573
4	f100v	Å	2	-0.06759	0.13406
4	f102r2	Å	2	-0.06759	0.13308
3	f80r	Å	2	-0.07546	0.13287
4	f99v	Å	2	-0.06759	0.13187
4	f101r1	Å	2	-0.06759	0.13133
2	f85v2 The Rosette Folio	j	3	0.35616	0.13024
4	f102r2	g	3	-0.10948	0.12614
4	f88r	g	3	-0.10948	0.12596
4	f88v	g	3	-0.10948	0.12541
4	f99r	g	3	-0.10948	0.12465
4	f89r2	g	3	-0.10948	0.12348
4	f112r	g	3	-0.10948	0.11962
4	f89r1	g	2	-0.10948	0.11921
3	f75r	m	9	-0.12146	0.11917
4	f89v2	g	2	-0.10948	0.11856
4	f99v	g	2	-0.10948	0.11821
3	f79v	m	6	-0.12146	0.11758
3	f81r	m	1	-0.12146	0.11726
3	f80r	m	8	-0.12146	0.11708
3	f78r	m	3	-0.12146	0.11680
3	f84r	m	5	-0.12146	0.11669
3	f78v	m	2	-0.12146	0.11620
3	f82r	m	3	-0.12146	0.11604
3	f81v	m	1	-0.12146	0.11599
4	f101v1	g	1	-0.10948	0.11593
3	f75v	m	3	-0.12146	0.11590
3	f84v	m	3	-0.12146	0.11570
3	f82v	m	3	-0.12146	0.11560
3	f79r	m	4	-0.12146	0.11526
3	f83v	m	1	-0.12146	0.11510
3	f77r	m	3	-0.12146	0.11504
3	f77v	m	2	-0.12146	0.11443
3	f80v	m	2	-0.12146	0.11376
4	f58v	g	2	-0.10948	0.11315
4	f100r	g	1	-0.10948	0.11299
3	f83r	m	1	-0.12146	0.11274
3	f76v	m	2	-0.12146	0.11223
4	f89v1	g	1	-0.10948	0.11206
4	f101v2	g	1	-0.10948	0.11125
4	f116r	g	2	-0.10948	0.10966
3	f76r	m	2	-0.12146	0.10910
4	f111v	g	2	-0.10948	0.10813
4	f58r	g	1	-0.10948	0.10590
4	f105v	g	1	-0.10948	0.10583
3	f78v	f	5	-0.10227	0.10457
4	f106r	g	1	-0.10948	0.10416
1	f46r	x	3	-0.03848	0.10405
3	f78r	f	4	-0.10227	0.10240
4	f103r	g	1	-0.10948	0.10176
4	f113r	g	1	-0.10948	0.10136
3	f84v	f	4	-0.10227	0.10130
3	f77v	Å	1	-0.07546	0.10112
4	f108v	g	1	-0.10948	0.10075
3	f84r	f	4	-0.10227	0.10050

Table 6.9: Symbol Affinity Scores by Folio Most Explainable by Sectional Effects in Version #26

Section	Folio	Symbol	Actual Count	Section Affinity Score	Affinity Difference
2	f86v6	x	1	0.25151	-0.24066
2	f86v6	g	1	0.23200	-0.23769
2	f85r1	x	1	0.25151	-0.23748
2	f85r1	g	1	0.23200	-0.23452
2	f70r2	g	1	0.23200	-0.23110
2	f85r2 The 4 Hand-Raisers	g	1	0.23200	-0.22934
2	f70v2 Pisces	g	1	0.23200	-0.22871
2	f72v2 Virgo	g	1	0.23200	-0.22835
2	f68r3	g	1	0.23200	-0.22823
2	f72v1 Libra	g	1	0.23200	-0.22810
2	f86v5 (image needs fixing)	g	2	0.23200	-0.22810
2	f72r2 Gemini	g	1	0.23200	-0.22810
2	f73r Scorpio	g	1	0.23200	-0.22793
2	f70v1 Aries Dark	g	1	0.23200	-0.22769
2	f67v1	g	1	0.23200	-0.22737
2	f67v2	g	1	0.23200	-0.22681
2	f69r	g	2	0.23200	-0.22219
2	f72v3 Leo	g	2	0.23200	-0.22186
2	f70r1	g	2	0.23200	-0.22142
2	f67r2 Lunaria/Zodiac	g	3	0.23200	-0.21638
2	f68v3	g	3	0.23200	-0.21617
2	f67r1	g	3	0.23200	-0.21593
2	f57v	g	6	0.23200	-0.19438
1	f66r	Ä	1	0.18846	-0.16283
1	f42r	Ä	1	0.18846	-0.15786
1	f95v1	Ä	1	0.18846	-0.15722
1	f90v2	Ä	1	0.18846	-0.15574
3	f81v	q	43	0.12857	-0.12706
3	f81r	q	39	0.12857	-0.12652
3	f76v	q	73	0.12857	-0.12622
3	f84v	q	62	0.12857	-0.12565
2	f85v2 The Rosette Folio	x	6	0.25151	-0.12558
3	f78v	q	57	0.12857	-0.12517
3	f78r	q	63	0.12857	-0.12437
3	f84r	q	74	0.12857	-0.12426
3	f79r	q	79	0.12857	-0.12388
1	f8r	Ä	2	0.18846	-0.12319
3	f83r	q	83	0.12857	-0.12297
1	f8v	Ä	2	0.18846	-0.12243
1	f56r	Ä	2	0.18846	-0.12200
1	f35r	Ä	2	0.18846	-0.12182
3	f76r	q	114	0.12857	-0.12182
1	f30v	Ä	2	0.18846	-0.12126
3	f79v	q	92	0.12857	-0.12097
3	f82r	q	88	0.12857	-0.12054
3	f80v	q	96	0.12857	-0.12046
3	f83v	q	85	0.12857	-0.12025
3	f75v	q	92	0.12857	-0.11995
3	f80r	q	111	0.12857	-0.11978
3	f82v	q	100	0.12857	-0.11879
3	f77v	q	102	0.12857	-0.11869
3	f75r	q	111	0.12857	-0.11859
3	f77r	q	113	0.12857	-0.11697
2	f85v2 The Rosette Folio	g	20	0.23200	-0.11138

Table 6.10: Sectional Affinities of Individual Symbols in Version #29

Symbol	Count	Section Counts							Section Affinity Scores						
		0	1	2	3	4	5	6	0	1	2	3	4	5	6
e	37485	174	9937	3858	7055	2509	12089	1863	-0.0005	-0.0192	-0.0043	0.0097	0.0008	0.0261	-0.0127
o	25604	117	7571	3101	4049	2365	6701	1700	-0.0006	0.0106	0.0148	-0.0206	0.0266	-0.0343	0.0034
c	17583	124	6429	1581	2888	1030	4740	791	0.0019	0.0807	-0.0152	-0.0156	-0.0075	-0.0267	-0.0175
y	17490	77	4978	1878	3766	957	4772	1062	-0.0007	-0.0011	0.0010	0.0374	-0.0112	-0.0233	-0.0020
a	14228	84	3518	1893	2006	746	4789	1192	0.0007	-0.0382	0.0329	-0.0398	-0.0132	0.0377	0.0199
d	12955	57	3743	1160	2715	714	3634	932	-0.0007	0.0036	-0.0183	0.0339	-0.0109	-0.0166	0.0089
i	11603	79	3511	907	1475	712	3993	926	0.0016	0.0196	-0.0294	-0.0526	-0.0036	0.0478	0.0165
k	10840	45	2752	1120	2181	766	3436	540	-0.0010	-0.0311	-0.0044	0.0245	0.0046	0.0202	-0.0128
l	10378	34	2357	1261	2408	827	2971	520	-0.0018	-0.0593	0.0224	0.0498	0.0137	-0.0118	-0.0129
r	7434	45	2180	920	939	559	2101	690	0.0009	0.0063	0.0210	-0.0531	0.0094	-0.0133	0.0289
s	7368	63	2263	933	1515	514	1639	441	0.0034	0.0216	0.0214	0.0257	0.0036	-0.0727	-0.0029
t	6871	37	2310	928	955	263	1837	541	0.0002	0.0514	0.0301	-0.0400	-0.0278	-0.0295	0.0156
n	6073	47	1814	364	946	331	2151	420	0.0026	0.0152	-0.0484	-0.0233	-0.0104	0.0580	0.0063
q	5346	0	1050	210	1634	298	1886	268	-0.0050	-0.0877	-0.0681	0.1287	-0.0110	0.0556	-0.0123
p	1663	12	457	146	208	90	582	168	0.0020	-0.0079	-0.0168	-0.0557	-0.0107	0.0515	0.0375
m	1059	1	367	132	62	76	327	94	-0.0041	0.0591	0.0353	-0.1215	0.0021	0.0055	0.0236
f	523	5	195	81	41	37	107	57	0.0043	0.0851	0.0507	-0.1026	0.0064	-0.0892	0.0453
g	151	0	48	36	6	24	12	25	-0.0050	0.0336	0.1231	-0.1406	0.1021	-0.2139	0.1007
x	43	0	6	14	0	0	15	8	-0.0050	-0.1450	0.2149	-0.1796	-0.0668	0.0570	0.1244
Ä	29	0	13	2	3	9	0	2	-0.0050	0.1637	-0.0417	-0.0761	0.2436	-0.2918	0.0074
v	9	0	0	9	0	0	0	0	-0.0050	-0.2845	0.8894	-0.1796	-0.0668	-0.2918	-0.0616
j	6	0	0	0	0	3	0	3	-0.0050	-0.2845	-0.1106	-0.1796	0.4332	-0.2918	0.4384
Rare															
ª	6	0	0	6	0	0	0	0	-0.0050	-0.2845	0.8894	-0.1796	-0.0668	-0.2918	-0.0616
¬	6	0	0	6	0	0	0	0	-0.0050	-0.2845	0.8894	-0.1796	-0.0668	-0.2918	-0.0616
Ä	5	0	2	0	0	0	0	3	-0.0050	0.1155	-0.1106	-0.1796	-0.0668	-0.2918	0.5384
Œ	4	0	3	0	0	0	0	1	-0.0050	0.4655	-0.1106	-0.1796	-0.0668	-0.2918	0.1884
©	4	0	0	4	0	0	0	0	-0.0050	-0.2845	0.8894	-0.1796	-0.0668	-0.2918	-0.0616
°	2	0	0	2	0	0	0	0	-0.0050	-0.2845	0.8894	-0.1796	-0.0668	-0.2918	-0.0616
Ð	2	0	0	0	0	1	0	1	-0.0050	-0.2845	-0.1106	-0.1796	0.4332	-0.2918	0.4384
ë	1	0	0	0	0	0	0	1	-0.0050	-0.2845	-0.1106	-0.1796	-0.0668	-0.2918	0.9384
÷	1	0	0	0	0	1	0	0	-0.0050	-0.2845	-0.1106	-0.1796	0.9332	-0.2918	-0.0616
É	1	0	0	1	0	0	0	0	-0.0050	-0.2845	0.8894	-0.1796	-0.0668	-0.2918	-0.0616
Š	1	0	1	0	0	0	0	0	-0.0050	0.7155	-0.1106	-0.1796	-0.0668	-0.2918	-0.0616

Table 6.11: Affinity Scores of Individual Symbols for Particular Herbal "Flatbed" Subgroups in Version #29

	Counts by Group										Affinity Scores									
	All	0	1.0	2.0	3.1	3.2	3.3	4.1	4.2	4.3	0	1.0	2.0	3.1	3.2	3.3	4.1	4.2	4.3	Herbal Section
e	9937	3613	1256	841	100	381	980	324	1153	1289	0.00233	0.00008	-0.00147	-0.00066	-0.00073	-0.00025	0.00087	0.00110	-0.00127	-0.0192
o	7569	2155	1016	746	108	362	806	210	947	1219	-0.00898	0.00113	0.00078	0.00006	0.00073	0.00087	0.00000	0.00208	0.00330	0.0106
c	6429	1794	945	661	79	306	738	237	753	916	-0.00828	0.00244	0.00115	-0.00017	0.00059	0.00170	0.00106	0.00084	0.00065	0.0807
y	4978	2028	558	479	78	167	462	98	533	575	0.00509	-0.00123	0.00030	0.00017	-0.00079	-0.00065	-0.00071	-0.00025	-0.00191	-0.0011
d	3741	1678	422	319	54	119	247	90	383	429	0.00660	-0.00088	-0.00051	0.00004	-0.00071	-0.00229	-0.00024	-0.00050	-0.00149	0.0036
a	3515	1517	369	296	59	126	297	87	319	445	0.00513	-0.00132	-0.00054	0.00019	-0.00041	-0.00098	-0.00018	-0.00121	-0.00064	-0.0382
i	3509	1133	470	364	56	228	399	97	257	505	-0.00175	0.00050	0.00068	0.00013	0.00142	0.00086	-0.00000	-0.00231	0.00044	0.0196
k	2752	1256	263	205	45	86	235	71	306	285	0.00524	-0.00150	-0.00091	0.00012	-0.00055	-0.00072	-0.00009	0.00006	-0.00165	-0.0311
l	2355	773	301	223	43	99	261	60	259	336	-0.00094	0.00008	0.00007	0.00019	-0.00001	0.00045	-0.00009	0.00000	0.00024	-0.0593
t	2309	643	332	252	28	96	321	47	222	368	-0.00300	0.00074	0.00067	-0.00006	-0.00003	0.00162	-0.00030	-0.00057	0.00093	0.0514
s	2263	711	325	180	20	98	209	66	337	317	-0.00148	0.00072	-0.00054	-0.00020	0.00003	-0.00031	0.00006	0.00159	0.00013	0.0216
r	2180	749	263	204	32	97	222	48	246	319	-0.00027	-0.00020	0.00002	0.00003	0.00008	0.00006	-0.00022	0.00011	0.00037	0.0063
n	1814	566	259	192	31	116	213	52	125	260	-0.00126	0.00055	0.00042	0.00010	0.00070	0.00056	0.00003	-0.00133	0.00021	0.0152
q	1050	389	121	106	16	41	105	14	101	157	0.00037	-0.00020	0.00015	0.00002	-0.00006	-0.00000	-0.00027	-0.00025	0.00024	-0.0877
p	457	171	49	46	8	18	28	14	56	67	0.00019	-0.00015	0.00006	0.00003	-0.00002	-0.00032	0.00002	0.00010	0.00008	-0.0079
m	367	161	13	24	4	5	19	5	60	76	0.00058	-0.00059	-0.00018	-0.00001	-0.00019	-0.00031	-0.00009	0.00035	0.00046	0.0591
f	195	100	15	13	2	8	5	7	28	17	0.00057	-0.00017	-0.00009	-0.00001	-0.00000	-0.00026	0.00002	0.00011	-0.00017	0.0851
g	47	9	7	1	1	1	2	3	11	12	-0.00013	0.00002	-0.00006	0.00000	-0.00001	-0.00004	0.00003	0.00010	0.00010	0.0336
Å	13	2	3	0	0	0	4	2	0	2	-0.00004	0.00002	-0.00002	-0.00000	-0.00001	0.00004	0.00003	-0.00002	0.00000	0.1637
x	6	6	0	0	0	0	0	0	0	0	0.00007	-0.00001	-0.00001	-0.00000	-0.00000	-0.00001	-0.00000	-0.00001	-0.00001	-0.1450
Œ	3	0	0	0	0	0	0	3	0	0	-0.00001	-0.00000	-0.00000	-0.00000	-0.00000	-0.00000	0.00005	-0.00000	-0.00000	0.4655
Ä	2	0	0	0	0	0	0	2	0	0	-0.00001	-0.00000	-0.00000	0.00000	-0.00000	-0.00000	0.00003	-0.00000	-0.00000	0.1155
Š	1	0	0	0	0	1	0	0	0	0	-0.00000	-0.00000	-0.00000	0.00000	0.00001	-0.00000	0.00000	-0.00000	-0.00000	0.7155

Table 6.12: Similarities of the Voynich Script to Other Alphabets[39]

Voynich Script			Letter	Language Name	Source
q				Paleo-Hebrew	
			Dalet	Paleo-Hebrew	
			Resh	Paleo-Hebrew	
Ö and «	and		Mem	Paleo-Hebrew	
			c	Lingua Ignota	
				Lingua Ignota	
				Lingua Ignota	
			f	Lingua Ignota	
e				Lingua Ignota	
y			Bet	Paleo-Hebrew	
			Kaph	Paleo-Hebrew	
			Tsade	Paleo-Hebrew	
a			Yodh	Paleo-Hebrew	
			Lamedh	Paleo-Hebrew	
			Nun	Phoenician	
-				Probably Latin	Catalan Atlas

Table 6.13: Index of Coincidence Figures for 7 European Languages and the Voynich Manuscript[40]

Language	Index of Coincidence	Kappa
German	2.05	0.0762
French	2.02	
Voynich Script	2.01199	0.09574 (originally 0.09581 for Version #29)
Italian	1.94	
Portuguese	1.94	
Spanish	1.94	0.0775
Russian	1.76	0.0529
English	1.73	0.065-0.0668

Table 6.14: Index of Coincidence Figures for the 7 Sections of the Voynich Manuscript

Section	Section Word Count	IOC	Kappa
All	37411	2.01199	0.09581
0 - Opening Address	197	1.48560	0.09378
1 - Herbal	11137	1.90917	0.09547
2 - Cosmological	3968	1.98983	0.09953
3 - Balneological	6702	1.98504	0.09927
4 - Pharmacological	2445	2.13559	0.10684
5 – Bulleted Text Only	10617	1.86744	0.09830
6 – Rosette Folio and Related Pages	2345	1.83136	0.08728

Table 6.15: Index of Coincidence Figures for 9 Herbal Folio Subgroups, Defined By "Flatbed" Word Distributions

Herbal Subgroup	Herbal Subsection Word Count	IOC	Measure of Roughness (kappa)
All Herbal Pages	11137	1.90917	0.09547
0.0 (Flatbeds)	3880	1.88247	0.09417
1.0	1372	1.89555	0.09989
2.0	1086	1.71500	0.09545
3.1	163	1.54830	0.08721
3.2	510	1.74955	0.09758
3.3	1138	1.87832	0.09902
4.1	310	2.09878	0.11104
4.2	1181	1.84273	0.10252
4.3	1496	1.83872	0.09547

Table 6.16: Keyword Lengths and Counts of Encipherment Alphabets by Kappa Level[41]

Estimated Keyword Lengths	Number of Alphabets (from Sinkov)	English Kappa	Voynich Kappa
1	1	0.0660	0.09574
2	2	0.0520	
3		0.0473	
4		0.0449	
5	5 (0.044, possibly rounded up)	0.0435	
6		0.0426	
7		0.0419	
8		0.0414	
9		0.0410	
10	10 (0.041, possibly rounded up)	0.0407	
∞	0.38 (“large polyalphabetic system”)	0.0388	0.04545

Table 6.17: Possible Encoding Methods at the Symbol, Polygraph, Word and Phrase Levels of Granularity

#	Encoding Method	Hypothetical Examples
	Symbol Level	
1	Single Role per Symbol in Any Position	Such as *x* in *xar, ceepcex and oxockeey* all flag the same word class or function, despite occurring in different positions. This includes ideographs.
	Intermediate Symbol or Polygraph Zone	
2	Single Role per Slot-and-Filler Position per Symbol - Separable	Such *s, y, r, o and l* appearing as single-letter words in the Top 100, but also being affixable to neighboring words while retaining the same function or semantic meaning. Single symbols can appear as both particles and transient adfixes (whereas infixes cannot). For example, *r aiin* and *raiin* would be functionally equivalent.
	Polygraph Level	
3	Single Role per Slot-and-Filler Position per Symbol	The *x* in *xar, ceepcex and oxockeey* occur in 3 different slot-and-filler positions and therefore represent 3 different functions.
4	Single Role per Polygraph in Any Position	The combination of *rx* in *oinysarx* marks a particular role, distinct from *ex* in *ddsscsex*.
5	Single Role per Slot-and-Filler Position per Polygraph	The combination of *oin* in *oinysarx* means something different than in *doin* (5) because of its position - unless of course *d* is an additional prefix, in which case the positions and accompanying roles in a slot-and-filler system might be the same.
6	Single Role per Slot-and-Filler Position per Polygraph - Separable	The polygraph *dd* carries the same meaning and function when it appears as a stand-alone word, or as a prefix in *ddaro, ddsscsex, ddarocse, dda and ddl*.
7	Roles Defined by Multiple Non-Contiguous Slot-and-Filler Positions	Such as the combination of s- and -*o* in *saiino* signifying a markedly different function from *saiin* or *aiino*. This seems unwieldy and unlikely. This option can be implemented through transfixes.
8	Roles Defined by Non-Contiguous Symbol/Polygraph Combinations (esp. Bases)	Such as s_n acting as a template for entire class of words, like *saiin* and *soin*, with a function distinctly separate from *daiin* and *doin*. If such relationships exist we'd expect them to be more semantic in nature. This is due to linguistic efficiency paradigms that would render such a combination difficult for the reader to glean derivational and inflection information.
	Word Level	
9	Particles - Single Words (unrelated structurally)	For example, the English pronouns *I, we, him, it*, etc. do not resemble each other in their polygraph compositions, but belong to the same semantic and functional hierarchies. In the Voynich Manuscript these would probably be limited to special roles where there is no need for expansive categories, such as the instrumental case.
	Phrase Level	
10	Spanning Relationships between Polygraphs and Symbols across Words	Some semantic content or inflection is conveyed across the constituent polygraphs of adjacent words. Gender agreement and the shift from a → an prior to English nouns beginning with vowels are minor examples of this. If this occurs across suffix-prefix boundaries, then the combination of *–dy* and *qo-* in *cseedy qokedy* (21) would convey a different meaning than *cseedy* and *qokedy* taken in isolation, beyond the mere semantic union of the 2 concepts, or of *–dy and qo-* taken in isolation. Similar phrases like *ceedy qokaiin* (12) would exhibit the same properties. This is unlikely to be derivational under linguistic efficiency paradigms because it would require the reader to scan 2 words just to determine the parts of speech of both. It may also occur across other combinations of prefix, suffix and stem boundaries, but when it does, the only likely roles are inflectional. Even these are deemed to be unlikely.
11	Phrases as Case Roles	Combinations of distinct words convey a different semantic meaning than simple compounds of the same words. It is improbable for this to be pervasive in most natural languages. Alternatively, a rigid word order could determine grammar and parts of speech, as in English. This is unlikely due to the islands of free word order and lack of distinct phrases to play the role. Phrases may still represent complex combinations of cases though, as in constructs involving the [ao][lr] group.

Table 7.1: Distributions of the Distinct and Document-Wide Counts of Polygraphs and Words, By Length

Length	Polygraphs		Words		Distinct %		Document %	
	Distinct	Document	Distinct	Document	Polygraphs	Words	Polygraphs	Words
1	(symbol level)		31	795		0.377		2.07
2	285	158247	80	2321	1.096	0.974	35.842	6.045
3	1324	119662	244	3304	5.091	2.971	27.103	8.605
4	3406	81380	653	6305	13.097	7.95	18.432	16.421
5	5715	46376	1281	9332	21.977	15.595	10.504	24.304
6	6370	21971	1762	8065	24.495	21.451	4.976	21.004
7	4733	8834	1801	4862	18.2	21.926	2.001	12.662
8	2545	3328	1252	2093	9.787	15.242	0.754	5.451
9	1056	1151	674	857	4.061	8.206	0.261	2.232
10	369	368	294	320	1.419	3.579	0.083	0.833
11	140	138	86	87	0.538	1.047	0.031	0.227
12	45	44	38	38	0.173	0.463	0.01	0.099
13	15	15	11	11	0.058	0.134	0.003	0.029
14	2	2	6	6	0.008	0.073	0	0.016
15	0	0	1	1	0	0.012	0	0.003

Table 7.2: Counts of Precluded Polygraphs at Each Possible Length

Polygraph Length	Distinct Count	Document Count	Count of Distinct Precluded Polygraphs	Expected Counts for Precluded Polygraphs	Potential Combinations in a Restricted 22-Symbol Set
2	285	158567	175	10584.242	420
3	1324	119851	7956	58244.167	7980
4	3406	81490	191089	67807.516	143,640
5	5715	46431	4078394	44618.543	2,441,880
6	6370	21996	85759755	21873.754	39,070,080
7	4733	8846			586,051,200
8	2545	3336			8,204,716,800
9	1056	1155			106,661,318,400
10	369	371			1.28 E+11
11	140	140			1.408E+12
12	45	45			1.408E+13
13	15	15			1.267E+14
14	2	2			10.137E+15

Table 7.3: Rules Governing Repetitions of Symbols within Polygraphs

Polygraph	Distinct Count	Document Count	Expected Count	Count Difference
Length 2				
Existing				
ee	3615	13410	5824.96479	7585.03520
ii	923	4788	563.69583	4224.30416
gg	1	1	0.09329	0.90670
ss	6	6	225.85057	-219.85057
ll	43	53	457.04590	-404.04590
dd	23	25	699.14283	-674.14283
aa	1	1	861.06823	-860.06823
yy	5	5	1274.36598	-1269.36598
cc	6	6	1294.54202	-1288.54202
oo	75	93	2738.59984	-2645.59984
Absent				
kk			492.00360	
rr			233.41320	
tt			197.68666	
nn			153.78886	
qq			118.54746	
pp			11.47692	
mm			4.91029	
ff			1.13643	
xx			0.00736	
BB			0.00335	
jj			0.00014	

Polygraph	Distinct Count	Document Count	Expected Count	Count Difference
Length 3				
Existing				
eee	626	1743	843.84446	899.15553
iii	109	237	25.40327	211.59672
sss	1	1	6.44249	-5.44249
ooo	5 ***	5 ***	272.02906	-267.02906
Absent				
ccc			88.40904	
yyy			86.35027	
aaa			47.95995	
ddd			35.08902	
lll			18.54650	
ggg			0.00005	
Length 4				
Existing				
iiii	1	1	0	0
eeee	40	55	0	-54
Absent				
ssss			0.16531	
Length 5				
Absent				
eeeee			12.00906	
iiiii			0.03498	

Table 7.4: Allowable Polygraphs Incorporating *q*

Polygraph	Distinct Count	Document Count	Expected Count	Count Difference
Allowed as a Prefix				
qo	773	5292	569	4723
qe	48	63	830	-767
qc	18	23	391	-368
qk	16	20	241	-221
qa	5	6	319	-313
qy	4	4	388	-384
qf	2	2	11	-9
qp	2	2	36	-34
qs	2	2	163	-161
qt	2	2	153	-151
ql	1	1	232	-231
Allowed in a Compound				
oq	21	23	569	-546
yq	8	8	388	-380
lq	2	2	232	-230
sq	1	1	163	-162
rq	1	1	166	-165
eq	1	1	830	-829

Polygraph	Distinct Count	Document Count	Expected Count	Count Difference
Disallowed in Prefixes				
qd			287.89166	
qi			258.50475	
qr			166.34464	
qn			135.02325	
qm			24.12682	
qg			3.32558	
qx			0.93464	

Table 7.5: Allowable Polygraphs Incorporating *i* (Early in the Lifetime of Version #29)

Polygraph	Distinct Count	Document Count	Expected Count	Count Difference
At the End of a Digraph				
ai	1328	6750	696	6054
oi	125	305	1242	-937
ri	12	16	362	-346
ki	8	10	526	-516
ei	6	6 (one is asterisked)	1812	-1806
di	4	4	627	-623
ti	3	3	333	-330
si	2	2	356	-354
ni	2	2	294	-292
li	1	1	507	-506
pi	1	1	80	-79
yi	1	1	847	-846
Disallowed at the End of a Digraph				
ci			854.24115	
qi			258.50475	
mi			52.61097	
fi			25.31014	
gi			7.25178	
xi			2.03808	

Polygraph	Distinct Count	Document Count	Expected Count	Count Difference
Beginning of a Digraph				
in	995	6057	294	5763
ir	304	793	362	431
im	43	67	52	15
is	42	61	356	-295
il	39	45	507	-462
id	14	21	627	-606
ik	14	14	526	-512
ic	11	11	854	-843
io	9	9	1242	-1233
ip	6	7	80	-73
it	5	5	333	-328
ig	4	4	7	-3
iy	2	2 (one is asterisked)	847	-845
if	1	1	25	-24
ia	1	1	696	-695
ie	1	1	1812	-1811

Table 7.6: Final Letters in Words Incorporating *i*-Sequences (Early in the Lifetime of Version #29)

Ending Symbol	Distinct Count	Word Count	Distinct %	Document Count %
n	904	5957	61.58	84.234
r	208	670	14.169	9.474
y	146	171	9.946	2.418
m	62	88	4.223	1.244
l	61	76	4.155	1.075
s	38	57	2.589	0.806
o	14	16	0.954	0.226
d	14	15	0.954	0.212
g	10	10	0.681	0.141
i	4	5	0.272	0.071
e	3	3	0.204	0.042
p	1	1	0.068	0.014
a	1	1	0.068	0.014
t	1	1	0.068	0.014
x	1	1	0.068	0.014

Table 7.7: Allowable Polygraphs Incorporating *c*

Polygraph	Distinct Count	Document Count	Expected Count	Count Difference
At the End of a Digraph				
kc	458	1344	798	546
tc	417	1217	505	712
ec	430	1132	2746	-1614
lc	428	1024	769	255
pc	387	848	121	727
oc	427	723	1882	-1159
dc	222	525	951	-426
yc	170	378	1284	-906
fc	153	223	38	185
rc	130	179	549	-370
sc	85	123	540	-417
ac	54	61	1055	-994
qc	18	23	391	-368
ic	11	11	854	-843
mc	7	7	79	-72
nc	4	4	446	-442

Polygraph	Distinct Count	Document Count	Expected Count	Count Difference
At the Beginning of a Digraph				
ce	3183	11052	2746	8306
cs	1296	4611	540	4071
ct	280	996	505	491
ck	277	973	798	175
cp	128	232	121	111
cf	73	92	38	54
cB	21	21	2	19
co	10	10	1882	-1872
cy	5	5	1284	-1279
cr	1	2	549	-547
ca	1	1	1055	-1054
Disallowed at the Beginnning of a Digraph				
cd			951.35155	
ci			854.24115	
cl			769.19772	
cn			446.19070	
cq			391.74567	
cm			79.72821	
cg			10.98956	
cx			3.08857	
cj			0.43096	

Table 7.8: Absent Polygraphs Explained by the Initial Ruleset[2]

Rule #	Disqualified Polygraph Count	Expected Count	Disqualified Polygraph %	Expected Count %
16	18927702	9790	21.916	8.786
12	9648283	9319	11.171	8.364
9	4115325	8305	4.765	7.454
8	16923700	8066	19.595	7.239
10	4114853	7904	4.764	7.094
17	6723135	5995	7.784	5.38
18	4113987	4845	4.763	4.348
5	4100699	4542	4.748	4.076
1	10892920	4477	12.613	4.018
13	6603821	3773	7.646	3.386
6	12162640	3067	14.083	2.753
28	1940520	2306	2.247	2.07
19	3867095	2175	4.478	1.952
24	10152688	1910	11.755	1.714
20	6695583	1750	7.753	1.571
11	4796005	1590	5.553	1.427
7	6677531	1480	7.732	1.328
23	3859316	1437	4.469	1.29
2	35697	923	0.041	0.828
15	3083953	514	3.571	0.461
29	3701176	491	4.285	0.441
27	969761	315	1.123	0.283
14	4547334	308	5.265	0.276
22	6927888	300	8.022	0.269
25	1934236	161	2.24	0.144
30	7151697	71	8.281	0.064
21	12527460	46	14.505	0.041
26	969761	43	1.123	0.039
4	644674	8	0.746	0.007
3	1956367	2	2.265	0.002
Total (with overlap)	**3671611 of 86365758**	**91704 of 111424**	**4.251**	**82.302**
Subsequent Additions to the Ruleset				
33	43842	264	0.051	0.237
32	584	187	0.001	0.168
31	6	276	0	0.248
Revised Total (with overlap)	**3671611 of 86365758**	**91704 of 111424**	**4.251**	**82.302**

[2] The rightmost column is not additive because the percentages are assessed separately on overlapping subsets. The rule numbers do not match those listed in the technical report due to subsequent consolidation.

Table 7.9: Precluded Polygraphs Not Explained by the 1st 30 Rules[3]

By Length	Remaining Precluded Polygraph Count	Expected Count Explained	Remaining Polygraph %	Expected Count Explained %
3	5384	14984	0.006	13.448
4	183702	53070	0.213	47.629
5	3482525	23650	4.032	21.225

Table 7.10: Expected Counts of Consonant and Alternate Vowel Set Clusters in the Remaining Precluded Polygraphs

Polygraph Length	Consonant Clusters	Vowel Clusters	Neither	Total	Revised Total after Rules #31-33
3	3594	4581	16005	24180	23952
4	101	1006	11665	12771	12677
5	182	666	10790	11637	11397

Table 7.11: Vowel Set Clusters among the Remaining Precluded Polygraphs at Length 3 (Using the Alternate [yoa | e | n] Set)

Polygraph	Expected Count	Polygraph	Expected Count
Including *y* or *n*			
oye, yeo	270.63282	yen	64.13256
oyo, yoo, ooy	185.56587	aya	58.34546
yye	184.61342	ane	52.71695
aye, yae	151.75219	yon	43.97402
ene	137.11286	aon	36.14664
yyo, yoy, oyy	126.58460	yan	24.65759
ayo, yoa, oya, oay	104.05252	**Excluding *n* or *y***	
one, oen	94.01471	eae	324.44010
yyy	86.35027	aeo, oae, eao	222.46012
yya, yay, ayy	70.97990	aoo	152.53510
oon	64.46343	aoa	85.53114

Table 7.12: Polygraphs Doubling as Independent Words, By Length

Length	Word/Polygraph Count	% of Polygraphs at this Level	% of Words at this Level
2	76	26.667	95
3	221	16.692	90.574
4	482	14.151	73.813
5	770	13.473	60.109
6	726	11.397	41.203
7	403	8.515	22.376
8	147	5.776	11.741
9	28	2.652	4.154
10	9	2.439	3.061

Table 7.13: Truth Table for Compound, Affixed Word and Root Scores

	Compound Score	Affixed Word Score	Root Score
Either affixed or a root	-1	Not -1	Not -1
Either a compound or a root	Not -1	-1	Not -1
Either affixed or a compound	Not -1	Not -1	-1
Possibly Anything	Not -1	Not -1	Not -1
Not necessarily a Compound – Don't change it to -1	Not -1	-1	-1
Accounted for			
The 22 single-letter words we're ignoring	-1	-1	-1
Must be an Affix – Change it to -1	-1	Not -1	-1
Must be a Root – Change it to -1	-1	-1	Not -1
Not Possible			
	1		Not -1
	1	Not -1	
	Not -1	1	
		1	Not -1
	Not -1		1
		Not -1	1
	1	1	0
	0	1	1
	1	1	1

[3] The rule numbers do not match those listed in the technical report due to subsequent consolidation.

Table 8.1: Top 20 Potential Prefixes and Suffixes Participating in Circumfix Candidates

Rank	Prefix	Base Prefix Score	Base Circumfix Prefix Score	Suffix	Base Suffix Score	Base Circumfix Suffix Score
1	ce	0.33490	1.00000	dy	0.90444	1.00000
2	qo	0.95860	0.43098	ey	0.89469	0.40479
3	ot	0.57901	0.11504	iin	0.91605	0.06665
4	cse	0.42657	0.05828	edy	0.93460	0.03906
5	ok	0.43195	0.05614	ol	0.30074	0.03647
6	ol	0.20364	0.04778	in	0.91356	0.02151
7	cee	0.33495	0.03353	aiin	0.93650	0.02050
8	op	0.62857	0.02451	ar	0.59054	0.01930
9	cs	0.42592	0.01152	al	0.38839	0.01828
10	ceo	0.39947	0.00904	or	0.54727	0.01289
11	qok	0.95330	0.00462	eey	0.91252	0.01122
12	csee	0.41580	0.00310	ody	0.94863	0.00314
13	yk	0.65384	0.00295	cey	0.85294	0.00280
14	yt	0.67281	0.00186	ain	0.91216	0.00275
15	qot	0.97005	0.00180	am	0.88345	0.00255
16	or	0.12916	0.00168	eedy	0.94186	0.00153
17	oke	0.44444	0.00161	eol	0.46892	0.00126
18	po	0.59217	0.00145	ly	0.94170	0.00103
19	da	0.20783	0.00139	eo	0.07978	0.00052
20	of	0.56666	0.00106	ir	0.59868	0.00040

Table 8.2: Top 20 Words Participating in Circumfix Candidates

Rank	Polygraph	Adfix Root Score	Circumfix Root Score	Base Prefix	Base Suffix	Base Root
1	ce	-1	1	0.335	0.006	0.659
2	ke	-1	0.920	0.082	0.005	0.913
3	ka	-1	0.421	0.084	0.013	0.902
4	cee	-1	0.355	0.335	0.002	0.663
5	da	-1	0.350	0.208	0.026	0.767
6	cs	-1	0.286	0.426	0.002	0.572
7	te	-1	0.263	0.092	0.007	0.901
8	eeo	-1	0.245	0.008	0.105	0.887
9	od	0.022	0.236	0.067	0.121	0.812
10	ol	0.086	0.212	0.204	0.301	0.496
11	cse	-1	0.197	0.427	0.012	0.561
12	ok	-1	0.187	0.432	0.007	0.561
13	al	-1	0.145	0.093	0.388	0.518
14	ek	-1	0.131	0.038	0.032	0.930
15	oda	0.002	0.115	0.063	0.041	0.897
16	ot	-1	0.106	0.579	0.010	0.411
17	tce	-1	0.089	0.260	0.013	0.727
18	eol	-1	0.086	-1	0.469	0.531
19	lk	-1	0.085	0.272	0.008	0.719
20	csee	-1	0.084	0.416	0.022	0.562

Table 8.3: Top 25 Prefix-Suffix Pairs Participating in Circumfix Candidates

#	Prefix	Suffix	Circumfix Count	Circumfix Score	#	Prefix	Suffix	Circumfix Count	Circumfix Score
1	ce	dy	52	1.000	14	ce	or	20	0.266
2	qo	dy	45	0.737	15	ce	al	20	0.263
3	ce	ey	33	0.675	16	ceo	dy	20	0.252
4	ce	cey	32	0.388	17	qo	edy	19	0.228
5	dy	dy	29	0.299	18	cee	dy	19	0.259
6	ol	ol	28	0.190	19	ce	ar	18	0.256
7	ce	aiin	25	0.345	20	ot	ar	18	0.163
8	cse	dy	25	0.369	21	qo	ol	18	0.194
9	ce	ol	23	0.312	22	qo	ar	16	0.182
10	ot	dy	23	0.326	23	qo	or	16	0.168
11	ol	dy	23	0.289	24	op	dy	16	0.185
12	cee	ey	22	0.325	25	ol	ey	16	0.222
13	qo	aiin	22	0.241					

Table 8.4: Top 20 Symbols and Polygraphs Participating in Interfix Candidates

	Symbol	Base Interfix Score	Polygraph	Base Prefix Score	Base Suffix Score	Base Root Score	Base Interfix Score
1	e	1	ee	0.010	0.008	0.982	1.000
2	o	0.23424	ce	0.335	0.006	0.659	0.434
3	c	0.07473	eo	0.002	0.080	0.918	0.323
4	k	0.05079	ol	0.204	0.301	0.496	0.026
5	l	0.04690	ke	0.082	0.005	0.913	0.023
6	d	0.04085	ed	-1.000	0.106	0.894	0.020
7	a	0.01538	cee	0.335	0.002	0.663	0.019
8	t	0.00916	al	0.093	0.388	0.518	0.011
9	r	0.00187	cs	0.426	0.002	0.572	0.010
10	y	0.00054	od	0.067	0.121	0.812	0.008
11	p	0.00051	cse	0.427	0.012	0.561	0.006
12	s	0.00024	eeo	0.008	0.105	0.887	0.004
13	f	0.00007	ok	0.432	0.007	0.561	0.003
14	i	0.00003	kee	0.094	0.002	0.904	0.002
15	m	0.00000	ek	0.038	0.032	0.930	0.002
16	q	0.00000	eod	-1.000	0.123	0.877	0.001

17	x	0.00000	te	0.092	0.007	0.901	0.001
18	n	0.00000	eee	0.024	0.013	0.963	0.001
19	g	0.00000	lk	0.272	0.008	0.719	0.001
20			oe	0.308	0.009	0.684	0.001

Table 8.5: Top 50 Root Words Participating in Interfix Candidates

Rank	Word	Adfix Root Score	Circumfix Root Score	Compound Root Score	Interfix Root Score	Rank	Word	Adfix Root Score	Circumfix Root Score	Compound Root Score	Interfix Root Score
1	dy	0.258	0.027	0.336	1.000	26	yk	-1	0.037	0.047	0.070
2	qo	-1	0.002	0.466	0.829	27	op	-1	0.026	0.034	0.064
3	ey	-1	0.042	0.219	0.774	28	oke	0.012	0.050	0.073	0.063
4	ce	-1	1	0.396	0.770	29	ly	0.019	0.004	0.030	0.058
5	cs	-1	0.286	0.169	0.567	30	ky	-1	0.003	0.063	0.058
6	ol	0.086	0.212	0.298	0.379	31	am	-1	0.003	0.052	0.057
7	cse	-1	0.197	0.206	0.366	32	ote	0.009	0.018	0.066	0.056
8	ot	-1	0.106	0.185	0.250	33	da	-1	0.350	0.092	0.053
9	ok	-1	0.187	0.198	0.238	34	tey	0.014	0.001	0.013	0.052
10	eey	-1	0.012	0.165	0.235	35	daiin	0.029	0.000	0.043	0.044
11	qok	-1	0.001	0.251	0.228	36	cseo	0.013	0.008	0.061	0.043
12	aiin	-1	0.002	0.280	0.192	37	lk	-1	0.085	0.035	0.042
13	ar	-1	0.080	0.195	0.179	38	dal	0.021	0.012	0.035	0.041
14	eedy	-1	0.003	0.136	0.176	39	es	-1	0.037	0.016	0.040
15	cee	-1	0.355	0.239	0.173	40	dar	0.038	0.008	0.032	0.039
16	al	-1	0.145	0.171	0.165	41	os	0.019	0.025	0.025	0.039
17	or	0.074	0.059	0.150	0.157	42	so	0.024	0.010	0.029	0.033
18	ceo	0.028	0.057	0.153	0.124	43	ke	-1	0.920	0.024	0.033
19	ain	-1	0.001	0.131	0.115	44	ckey	-1	0.001	0.038	0.032
20	ody	0.050	0.004	0.064	0.108	45	ceeo	0.007	0.020	0.063	0.031
21	csee	-1	0.084	0.161	0.095	46	olk	0.003	0.034	0.031	0.031
22	cey	0.065	0.003	0.056	0.094	47	keey	0.005	0.000	0.069	0.030
23	qot	-1	-1	0.091	0.088	48	od	0.022	0.236	0.034	0.028
24	key	0.016	0.000	0.026	0.085	49	ceey	0.015	0.000	0.040	0.028
25	eol	-1	0.086	0.079	0.083	50	ceedy	0.009	0.000	0.054	0.027

Table 8.6: All 114 Duplifix Candidates in Version #29

Duplifixed Word	Polygraph	Root Word	Duplifix Score	Duplifixed Word	Polygraph	Root Word	Duplifix Score	Duplifixed Word	Polygraph	Root Word	Duplifix Score
Full Duplifixes				Prefixes Only (Continued)				Prefixes Only (Continued)			
amam	am	am	0.21330	csecsedar	cse	csedar	0.49954	oeoey	oe	oey	0.12670
arar	ar	ar	0.46581	csecsees	cse	csees	0.49954	okeokear	oke	okear	0.14494
alal	al	al	0.35916	csecsey	cse	csey	0.49954	okokceal	ok	okceal	0.38103
daldal	dal	dal	0.11668	dadam	da	dam	0.20692	okokcseeo	ok	okcseeo	0.38103
dd	d	d	0.00091	daldalol	dal	dalol	0.05925	okokom	ok	okom	0.38103
dydy	dy	dy	1.00000	dda	d	da	0.00091	ololal	ol	olal	0.27438
dydydy	dy	dydy	1.00000	ddal	d	dal	0.00091	ololceey	ol	olceey	0.27438
kalkal	kal	kal	0.03463	ddaro	d	daro	0.00091	ololdal	ol	oldal	0.27438
olol	ol	ol	0.40565	ddl	d	dl	0.00091	ololdy	ol	oldy	0.27438
oror	or	or	0.37374	ddor	d	dor	0.00091	olols	ol	ols	0.27438
osos	os	os	0.13764	ddy	d	dy	0.00091	ololy	ol	oly	0.27438
eses	es	es	0.16681	eear	e	ear	0.00091	ooar	o	oar	0.00091
eeoseeos	eeos	eeos	0.05104	eeedy	e	eedy	0.00182	ooceockey	o	oceockey	0.00182
ss	s	s	0.00091	eeeey	e	eeey	0.00273	ooeeor	o	oeeor	0.00182
yy	y	y	0.00091	eeeey	ee	eey	0.03190	ooiin	o	oiin	0.00091
Prefixes Only				eeeodaiin	e	eeodaiin	0.00182	ookam	o	okam	0.00091
alaldy	al	aldy	0.08568	eeeody	e	eeody	0.00182	oolals	o	olals	0.00091
alalor	al	alor	0.08568	eees	e	ees	0.00182	oor	o	or	0.00091
araral	ar	aral	0.05378	eeey	e	eey	0.00182	orory	or	ory	0.08751
araram	ar	aram	0.05378	eeol	e	eol	0.00091	osos	os	os	0.02005
arary	ar	ary	0.05378	eeoseeos	eeos	eeos	0.00000	oteoteedy	ote	oteedy	0.14494
cbecbeey	cbe	cbeey	0.00911	ees	e	es	0.00091	oteotey	ote	otey	0.14494
~~ceey~~	~~c~~	~~cey~~	~~0.00091~~	eey	e	ey	0.00091	otota	ot	ota	0.43664
~~cckeey~~	~~c~~	~~ckeey~~	~~0.00182~~	llaiin	l	laiin	0.00091	ototar	ot	otar	0.43664
~~cckeeor~~	~~c~~	~~ckeeor~~	~~0.00091~~	llceey	l	lceey	0.00091	ototy	ot	oty	0.43664
~~ccsee~~	~~c~~	~~csee~~	~~0.00091~~	llces	l	lces	0.00091	qoqokeey	qo	qokeey	0.67456
cecedy	ce	cedy	0.97082	lldar	l	ldar	0.00091	raraiiin	ra	raiiin	0.03372
ceceeey	ce	ceeey	0.97082	lldy	l	ldy	0.00091	raraiin	ra	raiin	0.03372
ceceeky	ce	ceeky	0.97082	llm	l	lm	0.00091	raral	ra	ral	0.03372
ceceetal	ce	ceetal	0.97082	llo	l	lo	0.00091	raraldy	ra	raldy	0.03372
ceceky	ce	ceky	0.97082	llod	l	lod	0.00091	raram	ra	ram	0.03372
ceceoty	ce	ceoty	0.97082	llor	l	lor	0.00091	rorol	ro	rol	0.03281
ceces	ce	ces	0.97082	llory	l	lory	0.00091	tceotceol	tceo	tceol	0.02734
cecety	ce	cety	0.97082	llory	l	lory	0.00091	tceotceor	tceo	tceor	0.02734
cecey	ce	cey	0.97082	llsan	l	lsan	0.00091	tcetceo	tce	tceo	0.07383
cedcedy	ced	cedy	0.03190	lolol	lo	lol	0.05651	totol	to	tol	0.08659
ceeceey	cee	ceey	0.37556	lolom	lo	lom	0.05651	ykeeykeey	ykee	ykeey	0.03372
ceoceor	ceo	ceor	0.27438	lolor	lo	lor	0.05651	ykyka	yk	yka	0.16955
ceorceor	ceor	ceor	0.01640	odody	od	ody	0.05287	ykykaiin	yk	ykaiin	0.16955

Table 8.7: The 7 Symbols and 35 Polygraphs that Duplifixes Can Be Created From

Symbol	Polygraph or Symbol Count	Base Prefix Score	Base Suffix Score	Base Root Score	Base Duplifix Score	Duplifix Appearances
e	38231				1.04785	11
l	10709				0.60665	11
o	26214				0.20100	7
d	13245				0.23336	7
c	18023				0.03646	4
y	17882				0.00364	1
s	7528				0.00364	1
Polygraphs						
ce	3183	0.33490	0.00565	0.65944	1.00103	9
ol	1483	0.20364	0.30074	0.49561	0.21058	7
ra	339	0.11209	0.00884	0.87905	0.00596	5
ar	867	0.06920	0.59054	0.34025	0.02407	4
cse	1287	0.42657	0.01243	0.56099	0.01907	3
al	1017	0.09341	0.38839	0.51819	0.01394	3
ok	970	0.43195	0.00721	0.56082	0.01455	3
ot	829	0.57901	0.00965	0.41133	0.01667	3
lo	318	0.19811	0.07232	0.72955	0.00215	3
dy	1214	0.04200	0.90444	0.05354	0.04732	2
or	751	0.12916	0.54727	0.32356	0.00698	2
yk	286	0.65384	0.00699	0.33916	0.00191	2
ote	260	0.61538	-1	0.38461	0.00164	2
dal	255	0.25882	0.50588	0.23529	0.00299	2
tceo	90	0.34444	0.08888	0.56666	0.00030	2
ee	3615	0.00995	0.00802	0.98201	0.00004	1
cee	1233	0.33495	0.00162	0.66342	0.00053	1
da	1097	0.20783	0.02552	0.76663	0.00029	1
od	883	0.06681	0.12117	0.81200	0.00007	1
qo	773	0.95860	0.00517	0.03622	0.00095	1
ceo	756	0.39947	0.05687	0.54365	0.00038	1
oe	455	0.30769	0.00879	0.68351	0.00017	1
oke	360	0.44444	-1	0.55555	0.00020	1
es	345	0.00869	0.53333	0.45797	0.00095	1
to	336	0.28571	0.02678	0.68750	0.00012	1
tce	315	0.26031	0.01269	0.72698	0.00010	1
am	266	0.04135	0.88345	0.07518	0.00125	1
ro	254	0.14566	0.07086	0.78346	0.00004	1
os	249	0.09236	0.61044	0.29718	0.00089	1
ced	245	0.14693	0.09387	0.75918	0.00004	1
kal	131	0.06870	0.29770	0.63358	0.00023	1
ceor	103	0.18446	0.63106	0.18446	0.00042	1
eeos	70	0.01428	0.81428	0.17142	0.00028	1
ykee	54	0.70370	-1	0.29629	0.00004	1
cbe	21	0.52380	0.04761	0.42857	0.00001	1

Table 8.8: Top 20 Simulfix Scores for Symbols and Polygraphs

Rank	Symbol	Simulfix Score	Polygraph	Positive Simulfix Score	Polygraph	Negative Simulfix Score
1	d	0.00839	ee	0.00556	dy	-0.02405
2	k	0.00826	ce	0.00425	ain	-0.00582
3	a	0.00627	ke	0.00398	ody	-0.00411
4	c	0.00623	ed	0.00395	qot	-0.00408
5	e	0.00576	eo	0.00299	dar	-0.00184
6	o	0.00295	see	0.00255	so	-0.00154
7	l	0.00198	ek	0.00246	ry	-0.00103
8	t	0.00184	od	0.00204	ldy	-0.00091
9	p	0.00137	tce	0.00198	aly	-0.00090
10	s	0.00125	eod	0.00195	om	-0.00064
11	i	0.00121	se	0.00185	dcs	-0.00061
12	f	0.00110	te	0.00181	qop	-0.00058
13	r	0.00043	tee	0.00179	oly	-0.00056
14	g	0.00004	pce	0.00177	iir	-0.00054
15	q	0.00002	da	0.00176	qoc	-0.00051
16	y	0.00001	ok	0.00173	oy	-0.00051
17	n	0.00000	kee	0.00168	tor	-0.00046
18	m	-0.00556	ka	0.00157	lor	-0.00045
19			ck	0.00152	sc	-0.00044
20			al	0.00147	an	-0.00043

Table 8.9: Top 50 Simulfix Substitution Pairs

	Symbol or Polygraph #1	Symbol or Polygraph #2	Pair Count	Raw Simulfix Score	Simulfix Score #1	Simulfix Score #2		Symbol or Polygraph #1	Symbol or Polygraph #2	Pair Count	Raw Simulfix Score	Simulfix Score #1	Simulfix Score #2
1	te	k	108	0.00055	0.01680	0.00473	26	eee	ed	42	0.01428	0.43227	0.00183
2	eod	ee	104	0.02681	0.81119	0.00455	27	eol	ee	42	0.02813	0.85129	0.00183
3	eo	a	84	0.00201	0.06101	0.00367	28	see	ed	42	0.01592	0.48182	0.00183
4	tc	k	72	0.00024	0.00736	0.00315	29	ke	c	41	0.00158	0.04781	0.00179
5	see	eo	72	0.01845	0.55832	0.00315	30	te	d	39	0.00066	0.02003	0.00170
6	pc	k	65	0.00016	0.00513	0.00284	31	te	p	36	0.00008	0.00256	0.00157
7	se	o	64	0.00220	0.06683	0.00280	32	kee	d	36	0.00057	0.01734	0.00157
8	tce	ke	64	0.01059	0.32045	0.00280	33	od	k	35	0.00047	0.01434	0.00153
9	tee	ke	61	0.01050	0.31790	0.00267	34	eeo	a	35	0.00064	0.01959	0.00153
10	pce	ke	59	0.01013	0.30665	0.00258	35	eok	ee	34	0.02486	0.75213	0.00148
11	ee	d	58	0.00319	0.09674	0.00254	36	ee	c	34	0.00435	0.13163	0.00148

12	ke	d	58	0.00116	0.03513	0.00254	37	ek	d	33	0.00017	0.00522	0.00144
13	tce	k	55	0.00020	0.00621	0.00240	38	eok	ed	33	0.01193	0.36109	0.00144
14	se	d	53	0.00111	0.03376	0.00232	39	eee	ce	33	0.02297	0.69519	0.00144
15	ed	c	52	0.00201	0.06098	0.00227	40	seo	ee	33	0.02589	0.78359	0.00144
16	pce	k	52	0.00015	0.00467	0.00227	41	oke	k	33	0.00050	0.01533	0.00144
17	od	c	51	0.00076	0.02326	0.00223	42	tee	k	32	0.00019	0.00593	0.00140
18	ceo	a	51	0.00069	0.02098	0.00223	43	lk	d	32	0.00026	0.00787	0.00140
19	eed	ce	50	0.02686	0.81276	0.00218	44	kce	d	32	0.00026	0.00807	0.00140
20	eod	ce	49	0.02257	0.68307	0.00214	45	kce	ee	31	0.02609	0.78945	0.00135
21	eeo	ea	46	0.00658	0.19934	0.00201	46	lc	k	31	0.00020	0.00619	0.00135
22	kee	ce	45	0.02416	0.73110	0.00197	47	tce	ee	31	0.02592	0.78440	0.00135
23	se	k	43	0.00093	0.02832	0.00188	48	oke	ek	31	0.00585	0.17701	0.00135
24	ot	k	42	0.00079	0.02396	0.00183	49	se	p	30	0.00014	0.00432	0.00131
25	ok	d	42	0.00148	0.04494	0.00183	50	lce	ke	29	0.01004	0.30388	0.00127

Table 8.10 Top 35 Transfix Base Patterns

Rank	Pattern	Polygraph	Length	Consonant Cluster	Vowel Cluster	Pattern Count	Rank	Pattern	Polygraph	Length	Consonant Cluster	Vowel Cluster	Pattern Count
1	_o_e_y_	oey	3	0	1	989	19	_o_c_e_	oce	3	0	0	77
2	_c_e_y_	cey	3	0	0	707	20	_o_a_in_	oain	4	0	0	76
3	_qo_e_y_	qoey	4	0	0	217	21	_c_e_l_	cel	3	0	0	74
4	_o_c_y_	ocy	3	0	0	184	22	_p_e_y_	pey	3	0	0	69
5	_l_e_y_	ley	3	0	0	175	23	_o_ai_n_	oain	4	0	0	67
6	_q_e_y_	qey	3	0	0	174	24	_q_k_y_	qky	3	0	0	66
7	_o_e_d_	oed	3	0	0	172	25	_e_o_y_	eoy	3	0	1	64
8	_o_a_n_	oan	3	0	1	160	26	_c_e_e_	cee	3	0	0	61
9	_k_e_y_	key	3	0	0	143	27	_e_a_n_	ean	3	0	1	61
10	_o_ee_y_	oeey	4	0	1	140	28	_o_ce_y_	ocey	4	0	0	59
11	_o_e_dy_	oedy	4	0	0	124	29	_o_c_dy_	ocdy	4	0	0	59
12	_c_e_d_	ced	3	0	0	119	30	_t_e_y_	tey	3	0	0	58
13	_c_o_y_	coy	3	0	0	108	31	_c_e_dy_	cedy	4	0	0	55
14	_e_e_y_	eey	3	0	1	85	32	_q_e_d_	qed	3	0	0	43
15	_o_i_n_	oin	3	0	0	84	33	_l_e_d_	led	3	0	0	42
16	_o_c_d_	ocd	3	0	0	82	34	_c_e_r_	cer	3	0	0	41
17	_c_ee_y_	ceey	4	0	0	77	35	_qo_e_d_	qoed	4	0	0	40
18	_c_e_o_	ceo	3	0	0	77							

Table 8.11 Top 35 Transfix Substitution Patterns

Rank	Pattern	Polygraph	Length	Consonant Cluster	Vowel Cluster	Pattern Count	Rank	Pattern	Polygraph	Length	Consonant Cluster	Vowel Cluster	Pattern Count
1	_k_e_	ke	2	0	0	635	19	_s_o_	so	2	0	0	111
2	_e_d_	ed	2	0	0	456	20	_ok_e_	oke	3	0	0	108
3	_s_e_	se	2	0	0	339	21	_se_d_	sed	3	0	0	108
4	_c_e_	ce	2	0	0	338	22	_e_k_	ek	2	0	0	100
5	_t_e_	te	2	0	0	326	23	_k_ee_	kee	3	0	0	99
6	_k_d_	kd	2	1	0	299	24	_p_e_	pe	2	0	0	96
7	_k_ed_	ked	3	0	0	282	25	_d_i_	di	2	1	0	96
8	_t_d_	td	2	1	0	208	26	_o_ee_	oee	3	0	1	94
9	_c_ed_	ced	3	0	0	194	27	_s_ee_	see	3	0	0	94
10	_s_ed_	sed	3	0	0	178	28	_c_ee_	cee	3	0	0	92
11	_ke_d_	ked	3	0	0	162	29	_kc_e_	kce	3	0	0	87
12	_o_e_	oe	2	0	1	154	30	_k_o_	ko	2	0	0	85
13	_c_d_	cd	2	1	0	151	31	_s_eo_	seo	3	0	0	83
14	_e_e_	ee	2	0	1	147	32	_te_d_	ted	3	0	0	82
15	_t_ed_	ted	3	0	0	139	33	_kc_d_	kcd	3	1	0	80
16	_k_i_	ki	2	1	0	127	34	_tc_e_	tce	3	0	0	79
17	_s_d_	sd	2	1	0	124	35	_o_c_	oc	2	0	0	78
18	_ce_d_	ced	3	0	0	120							

Table 8.12 Unused Base and Substitution Patterns

Polygraph Length	Pattern Length	At Least 1 Match	Unmatched	% Matched
2	5	391	69	85
3	6	4989	13571	26.88
3	7	3960	5320	42.672
4	7	21698	561787	3.719
4	8	39364	544121	6.746
4	9	22046	172449	11.335
Total		92448	1297317	7.126

Table 8.13: Top 25 Symbols and Polygraphs Participating in Disfix-Infix Candidates

Rank	Glyph	Disfix-Infix Score	Polygraph	Base Root Score	Base Circumfix Suffix Score	Base Interfix Score	Base Duplifix Score	Disfix-Infix Score
1	e	0.00580	se	0.972	-1	0.00000	-1	0.00153
2	s	0.00498	ee	0.982	0.00000	1	0.00004	0.00087
3	o	0.00382	ke	0.913	0.00000	0.02269	-1	0.00085
4	k	0.00361	ol	0.496	0.03647	0.02573	0.21058	0.00081
5	t	0.00322	te	0.901	-1	0.00127	-1	0.00070
6	l	0.00217	eo	0.918	0.00052	0.32285	-1	0.00062
7	p	0.00158	od	0.812	0.00011	0.00774	0.00007	0.00061
8	d	0.00149	ok	0.561	-1	0.00261	0.01455	0.00057
9	f	0.00075	ot	0.411	0.00000	0.00076	0.01667	0.00052
10	r	0.00063	see	0.959	-1	0.00000	-1	0.00047
11	y	0.00028	to	0.688	0.00000	0.00008	0.00012	0.00046
12	a	0.00011	ed	0.894	0.00026	0.01966	-1	0.00046

13	x	0.00006	kee	0.904	-1	0.00194	-1	0.00045
14	i	0.00004	or	0.324	0.01289	0.00057	0.00698	0.00041
15	q	0.00003	ta	0.851	-1	0.00001	-1	0.00039
16	c	0.00003	pce	0.691	-1	0.00015	-1	0.00036
17	g	0.00002	ce	0.659	-1	0.43436	1.00103	0.00035
18	m	0.00001	tce	0.727	-1	0.00021	0.00010	0.00033
19	n	0.00001	ek	0.930	0.00000	0.00193	-1	0.00033
20	j	0.00001	kc	-1	-1	0.00047	-1	0.00033
21			pc	-1	-1	0.00017	-1	0.00032
22			eod	0.877	0.00000	0.00144	-1	0.00031
23			lk	0.719	0.00000	0.00124	-1	0.00030
24			oe	0.684	0.00000	0.00102	0.00017	0.00030
25			tc	-1000	-1	0.00017	-1	0.00029

Table 8.14: Dominance of e- and i-Sequences among the Highest Disfix Scores

Rank	Word	Disfix Score	Rank	Word	Disfix Score	Rank	Word	Disfix Score	Rank	Word	Disfix Score
1	cseedy	1	45	cseefeedy	0.36700	89	ckeey	0.28362	133	daiiniin	0.22392
2	cseeedy	0.93904	46	ol	0.36177	90	ataiin	0.28312	134	cseseor	0.22317
3	qokeedy	0.92216	47	cteeey	0.35617	91	akaiin	0.28312	135	cseokeey	0.21385
4	daiin	0.91268	48	cseoeey	0.35591	92	ceeekedy	0.28211	136	otar	0.21385
5	ceey	0.86340	49	ckeeey	0.35314	93	cseekedy	0.27556	137	cseeor	0.21057
6	ceeedy	0.71939	50	qokedy	0.35314	94	dairin	0.27204	138	ckeol	0.20957
7	dalaiin	0.70931	51	okaiin	0.34659	95	cseeeey	0.27153	139	qokalaiin	0.20906
8	daraiin	0.70831	52	oteedy	0.34609	96	daisin	0.27103	140	ceeody	0.20755
9	dasaiin	0.70730	53	cteedy	0.34559	97	dariin	0.27103	141	olkaiin	0.20654
10	daldaiin	0.65591	54	ceoteol	0.34458	98	ceokedy	0.26775	142	cpeol	0.20604
11	cseeey	0.55717	55	cepceol	0.34130	99	ceetcedy	0.26750	143	cfeol	0.20151
12	qokeey	0.54659	56	cetceol	0.34130	100	ceepcedy	0.26750	144	cseykeey	0.20075
13	ceekeedy	0.54256	57	cpeeey	0.33954	101	ceefcedy	0.26750	145	ckceol	0.19899
14	cseey	0.54055	58	cfeeey	0.33803	102	ceekcedy	0.26750	146	qokokal	0.19571
15	ceeteedy	0.53652	59	qokaiin	0.33778	103	ceeykedy	0.26700	147	ceykeor	0.18992
16	csekeedy	0.52065	60	okeedy	0.33551	104	ceotedy	0.26448	148	ceeoldy	0.18992
17	cekeedy	0.51158	61	cpeedy	0.33450	105	ckeeeey	0.26397	149	ceteor	0.18942
18	ceedy	0.48967	62	ckeedy	0.33450	106	alaiiin	0.26397	150	cetceor	0.18942
19	ceol	0.44852	63	ceokeey	0.32317	107	otaiin	0.26347	151	cseeckey	0.18866
20	doldaiin	0.44433	64	cekeey	0.31284	108	aloiiin	0.26297	152	olkeedy	0.18866
21	doraiin	0.44408	65	cseteeey	0.30957	109	araiiin	0.26297	153	ceetody	0.18765
22	dolaiin	0.44408	66	cseeeol	0.30931	110	or	0.25999	154	ceeeody	0.18715
23	dceeaiin	0.43879	67	ceoteey	0.30906	111	ckceeey	0.25894	155	otdal	0.18564
24	dtoaiin	0.43828	68	ceteey	0.30277	112	cpeey	0.25541	156	csekceey	0.18488
25	dykaiin	0.43828	69	ceoeey	0.30176	113	cfeey	0.25138	157	cseoleey	0.18362
26	dceaiin	0.43778	70	cetceey	0.30075	114	ceor	0.25121	158	okeey	0.18337
27	dcesaiin	0.43753	71	ceyteey	0.30075	115	ckceey	0.25037	159	oteal	0.18211
28	doaiin	0.43727	72	cepceey	0.30075	116	ctceey	0.25037	160	csekey	0.18010
29	dodaiin	0.43627	73	cteey	0.29874	117	otal	0.24811	161	cseeeor	0.17984
30	deaiin	0.43627	74	cteeol	0.29370	118	cseeeody	0.24685	162	okedy	0.17808
31	dyaiin	0.43627	75	cseol	0.29319	119	alkaiin	0.24584	163	okeeedy	0.17682
32	qokeokedy	0.43324	76	aiin	0.29261	120	ceseeor	0.24408	164	oteeedy	0.17682
33	ceokeedy	0.42367	77	ceeokedy	0.29193	121	ceteeor	0.24408	165	cseceey	0.17178
34	ceoteedy	0.41838	78	araiin	0.29118	122	cekedy	0.24332	166	cseckey	0.17128
35	ceeey	0.40496	79	ckeeol	0.29068	123	aldaiin	0.24130	167	cear	0.16867
36	cseeol	0.39647	80	ckeeeol	0.28967	124	cseefcedy	0.24055	168	qokeeody	0.16826
37	qokeeedy	0.39596	81	cseeody	0.28841	125	cetedy	0.24030	169	dcear	0.16599
38	ceykeedy	0.39370	82	alaiin	0.28715	126	cseepcedy	0.23904	170	dolar	0.16599
39	cepceedy	0.39294	83	cpeeol	0.28664	127	csekeol	0.23904	171	ceykey	0.16549
40	cekeeey	0.39093	84	ariin	0.28639	128	csekceedy	0.23828	172	cteeor	0.16523
41	ceekedy	0.38488	85	cfeeol	0.28564	129	daraiiin	0.23551	173	dkarar	0.16523
42	ceetedy	0.38438	86	aloiin	0.28413	130	otedy	0.23249	174	olkeey	0.16523
43	csekeey	0.38362	87	qokain	0.28413	131	cteol	0.22871	175	ceekody	0.16473
44	cedy	0.37263	88	aroiin	0.28387	132	qoteedy	0.22594			

Table 8.15: Dominance of e- and i-Sequences among the Highest Absolute Infix Scores

Rank	Word	Infix Score	Rank	Word	Infix Score	Rank	Word	Infix Score	Rank	Word	Infix Score
1	daiin	-0.02252	45	oteey	-0.00364	89	kaiin	-0.00169	133	lceey	-0.00117
2	ol	-0.01427	46	cseo	-0.00338	90	okeol	-0.00169	134	kedy	-0.00114
3	ceedy	-0.01299	47	okedy	-0.00312	91	okey	-0.00166	135	keey	-0.00114
4	aiin	-0.01229	48	lceedy	-0.00309	92	qotcey	-0.00166	136	ceodaiin	-0.00114
5	cseedy	-0.01114	49	dol	-0.00304	93	qotain	-0.00166	137	otor	-0.00114
6	ceol	-0.01026	50	oty	-0.00302	94	qotar	-0.00164	138	tar	-0.00114
7	or	-0.00984	51	ctey	-0.00291	95	cseckey	-0.00158	139	taiin	-0.00114
8	ar	-0.00947	52	cseeol	-0.00291	96	odaiin	-0.00156	140	lor	-0.00111
9	ceey	-0.00882	53	qokey	-0.00283	97	ykeey	-0.00156	141	lol	-0.00111
10	dar	-0.00841	54	okeedy	-0.00278	98	cteol	-0.00156	142	ytaiin	-0.00111
11	qokeedy	-0.00796	55	dair	-0.00276	99	ceeedy	-0.00153	143	ckey	-0.00109
12	qokeey	-0.00796	56	csey	-0.00276	100	qotal	-0.00153	144	lcseedy	-0.00109
13	cseey	-0.00752	57	qokol	-0.00270	101	oly	-0.00151	145	tedy	-0.00109
14	qokain	-0.00726	58	oky	-0.00268	102	l	-0.00148	146	qodaiin	-0.00109
15	qokedy	-0.00716	59	oteedy	-0.00265	103	otey	-0.00148	147	oteol	-0.00109
16	al	-0.00703	60	ceeor	-0.00260	104	sor	-0.00148	148	olkeedy	-0.00109
17	dy	-0.00695	61	cseor	-0.00257	105	qokcedy	-0.00145	149	lkeedy	-0.00106
18	qokaiin	-0.00682	62	dam	-0.00255	106	cseody	-0.00145	150	lkeey	-0.00106
19	dal	-0.00651	63	otain	-0.00250	107	sal	-0.00143	151	qoteey	-0.00106
20	s	-0.00632	64	ceody	-0.00244	108	csedy	-0.00138	152	olkeey	-0.00104
21	ceor	-0.00562	65	r	-0.00244	109	olaiin	-0.00138	153	okcey	-0.00101
22	dain	-0.00544	66	qotedy	-0.00239	110	qokeol	-0.00138	154	qokceedy	-0.00101

23	okaiin	-0.00541	67	ain	-0.00229	111	keedy	-0.00135	155	oteody	-0.00101
24	qokal	-0.00500	68	ceeody	-0.00229	112	d	-0.00135	156	okeody	-0.00101
25	cseol	-0.00489	69	qoty	-0.00226	113	kar	-0.00135	157	ceoky	-0.00098
26	okeey	-0.00460	70	otol	-0.00223	114	ceear	-0.00132	158	cseeky	-0.00098
27	ceeey	-0.00450	71	am	-0.00221	115	cseeor	-0.00132	159	kol	-0.00098
28	ceeol	-0.00440	72	cseeedy	-0.00218	116	cseeody	-0.00130	160	olceedy	-0.00098
29	otedy	-0.00424	73	sar	-0.00216	117	tol	-0.00130	161	sy	-0.00098
30	cey	-0.00406	74	okol	-0.00213	118	opceedy	-0.00130	162	oraiin	-0.00098
31	qokar	-0.00401	75	o	-0.00210	119	lkaiin	-0.00127	163	qokor	-0.00096
32	otaiin	-0.00398	76	qotaiin	-0.00210	120	otcey	-0.00127	164	ykar	-0.00096
33	qol	-0.00393	77	cectey	-0.00205	121	ody	-0.00127	165	ceoty	-0.00093
34	cedy	-0.00388	78	air	-0.00205	122	cteey	-0.00127	166	dcseedy	-0.00093
35	y	-0.00385	79	raiin	-0.00195	123	kain	-0.00125	167	cees	-0.00091
36	qoky	-0.00382	80	qoteedy	-0.00192	124	aiiin	-0.00125	168	okor	-0.00091
37	cseeey	-0.00380	81	dor	-0.00190	125	ceal	-0.00125	169	lkain	-0.00091
38	okal	-0.00377	82	sol	-0.00190	126	ceeckey	-0.00122	170	ceos	-0.00091
39	otar	-0.00377	83	cear	-0.00187	127	cseeo	-0.00122	171	cseeckey	-0.00091
40	saiin	-0.00375	84	qokcey	-0.00182	128	otam	-0.00122	172	csear	-0.00091
41	ceckey	-0.00372	85	ceo	-0.00177	129	qotol	-0.00122	173	ckeey	-0.00088
42	otal	-0.00372	86	sain	-0.00177	130	ykaiin	-0.00119	174	ceeos	-0.00088
43	okain	-0.00369	87	ceeo	-0.00171	131	ceaiin	-0.00117	175	oiin	-0.00088
44	okar	-0.00367	88	ceeky	-0.00169	132	cteor	-0.00117			

Table 8.16: Counts of E-Sequence Variants in Version #29

	Polygraphs	Total	Single	Double	Triple	Quadruple
e-sequences	406	4813	3745	1029	38	1
Partial e-sequences		303	303			
oe sequences	129	234	224	10		
Partial *oe* sequences		105	105			
ea sequences	128	576	573	3		
Partial *ea* sequences		24	24			
c-sequences	155	1456	1352	104		
Partial c-sequences	53	68	68			
Total		**5821**				
i-sequences	66	1462	1444	18		
Partial i-Sequences		6	6			
Total	66	**1468**				
	937 (971 with interior sequences)	**6658**				

Table 8.17: Classification of the Top 50 ai$^{1\text{-}3}$n Words and Variants by Differences in Count Magnitudes

Variants by i-Count			**Document Incidence by Count of i-Infixes**		
1	**2**	**3**	**1**	**2**	**3**
dain	daiin	daiiin	209	858	22
ain	aiin	aiiin	88	475	48
qokain	qokaiin	qokaiiin	280	262	2
okain	okaiin	okaiiin	144	209	8
otain	otaiin	otaiiin	97	152	3
sain	saiin	saiiin	68	144	2
qotain	qotaiin	qotaiiin	64	81	2
rain	raiin	raiiin	26	75	1
kain	kaiin	kaiiin	48	65	3
odain	odaiin	odaiiin	19	60	8
olain	olaiin	olaiiin	14	53	4
lkain	lkaiin	lkaiiin	35	49	1
ceain	ceaiin	ceaiiin	18	45	1
ykain	ykaiin	ykaiiin	10	45	1
tain	taiin	taiiin	16	44	2
ceodain	ceodaiin		9	44	0
ytain	ytaiin		12	43	0
qodain	qodaiin	qodaiiin	11	42	2
orain	oraiin	oraiiin	27	38	4
olkain	olkaiin		32	33	0
ceedain	ceedaiin	ceedaiiin	19	32	2
oain	oaiin	oaiiin	11	26	1
qoain	qoaiin		7	23	0
cseodain	cseodaiin	cseodaiiin	5	22	2
ydain	ydaiin		5	21	0
cseain	cseaiin	cseaiiin	8	20	1
cekain	cekaiin		12	18	0
ceokain	ceokaiin		11	17	0
cedain	cedaiin		9	16	0
cseedain	cseedaiin	cseedaiiin	11	15	1
cteain	cteaiin		4	13	0
lain	laiin	laiiin	5	13	2
opain	opaiin		2	13	0
ceeodain	ceeodaiin	ceeodaiiin	8	11	1
arain	araiin	araiiin	2	9	1
ceotain	ceotaiin		4	9	0
cseeain	cseeaiin		2	9	0
oldain	oldaiin		2	9	0
todain	todaiin		2	9	0
	polaiin		0	8	0
oteodain	oteodaiin		1	8	0
	paiin		0	8	0

ceekain	ceekaiin	ceekaiiin	7	8	1
	ceoaiin		0	7	0
cpeain	cpeaiin		1	7	0
osain	osaiin	osaiiin	3	7	1
sorain	soraiin		2	7	0
	yaiin		0	6	0
	raraiin	raraiiin	0	6	1
	qopaiin		0	6	0

Table 8.18: Selected Words Where e-Sequences of Length 2 Outnumber Variants of Length 1

Category	Variants by e-Count				Document Incidence by Count of i-Infixes		
	1	2	3	4	1	2	3
qo + e-Sequence	qokedy	qokeedy	qokeeedy		275	304	5
ce	cey	ceey	ceeey	ceeeey	155	339	173
ce	cedy	ceedy	ceeedy		150	499	59
qo + e-Sequence	qokey	qokeey	qokeeey		109	306	26
cse	csey	cseey	cseeey	cseeeey	105	286	146
[yo] + e-Sequence	okey	okeey	okeeey		64	176	26
[yo] + e-Sequence	otey	oteey	oteeey		57	139	8
cse	csedy	cseedy	cseeedy		53	429	84
[fptk]e	kedy	keedy	keeedy		44	52	3
[yo] + e-Sequence	olkedy	olkeedy	olkeeedy		27	42	3
[yo] + e-Sequence	otcedy	otceedy	otceeedy		27	34	1
qo + e-Sequence	qotey	qoteey	qoteeey		25	41	4
[yo] + e-Sequence	ykedy	ykeedy	ykeeedy		23	31	4
[yo] + e-Sequence	ytedy	yteedy	yteeedy		23	29	1
[yo] + e-Sequence	okcedy	okceedy			21	25	0
ce	cedar	ceedar	ceeedar		21	31	5
[yo] + e-Sequence	opcedy	opceedy	opceeedy		19	50	3
ce	cedal	ceedal			18	24	0
ce	ceky	ceeky	ceeeky		18	65	24
ce	ces	cees	ceees	ceeees	18	35	33
ce	cedaiin	ceedaiin	ceeedaiin	ceeeedaiin	16	32	4
qo + e-Sequence	qopcedy	qopceedy	qopceeedy		16	32	2
cse	cse	csee	cseee		15	24	13
[yo] + e-Sequence	opcey	opceey	opceeey		14	29	5
cse	cseky	cseeky	cseeeky	cseeeeky	13	38	14
[fptk]e	key	keey	keeey		13	44	11
[yo] + e-Sequence	ytey	yteey	yteeey		13	28	3
[yo] + e-Sequence	yceol	yceeol	yceeeol		12	14	1
cse	cseos	cseeos	cseeeos		12	17	1
ce	cety	ceety	ceeety	ceeeety	12	25	3
[yo] + e-Sequence	olkey	olkeey	olkeeey		12	40	9
[fptk]e	tey	teey	teeey		11	20	1
ce	cedain	ceedain	ceeedain		9	19	2
ce	ced	ceed	ceeed		8	23	2
ce	cekey	cekeey	ceeekey		8	13	6
ce	cekey	cekeey	cekeeey		8	13	1
qo + e-Sequence	qokeo	qokeeo			8	23	0
[yo] + e-Sequence	ykey	ykeey	ykeeey		8	60	6
c[fptk]e	ctedy	cteedy			8	10	0
[yo] + e-Sequence	olcedy	olceedy	olceeedy		8	38	3
[yo] + e-Sequence	olcey	olceey	olceeey	olceeeey	8	29	12
qo + e-Sequence	qoked	qokeed			7	15	0
cse	csed	cseed	cseeed		7	19	6
ce	ceokey	ceokeey	ceokeeey		7	10	2
[yo] + e-Sequence	ypcedy	ypceedy	ypceeedy		6	12	1
[yo] + e-Sequence	yceo	yceeo	yceeeo		6	15	7
[yo] + e-Sequence	olcsedy	olcseedy	olcseeedy		5	23	1
[yo] + e-Sequence	otes	otees	oteees		5	10	3
cse	csety	cseety	cseeety		4	10	8
qo + e-Sequence	qoedy	qoeedy	qoeeedy		4	20	3
cse	csedal	cseedal	cseeedal		4	11	1
cse	cses	csees	cseees	cseeees	4	15	9
c[fptk]e	ckeody	ckeeody	ckeeeody		4	5	1
[yo] + e-Sequence	oedy	oeedy	oeeedy		4	11	1
[yo] + e-Sequence	olcsey	olcseey	olcseeey		4	11	7
[yo] + e-Sequence	ycey	yceey	yceeey		4	16	23
cse	csedaiin	cseedaiin			3	15	0
qo + e-Sequence	qokcsedy	qokcseedy			3	11	0
qo + e-Sequence	qokecedy	qokeceedy			3	4	0
[yo] + e-Sequence	otcsedy	otcseedy			3	13	0
[yo] + e-Sequence	okes	okees	okeees	okeeees	3	18	1
[yo] + e-Sequence	ycedy	yceedy	yceeedy		2	13	7
qo + e-Sequence	qolcey	qolceey	qolceeey		2	11	1
qo + e-Sequence	qolcedy	qolceedy	qolceeedy		1	10	2
[yo] + e-Sequence	ycsey	ycseey	ycseeey		1	12	10
[yo] + e-Sequence	oes	oees	oeees	oeeees	1	10	9

Table 8.19: The Effect of Divergent Spikes in Document Counts of e-Sequences of Length 2 on Selected Grammatical Categories

Category	Distinct Counts		Single Infix Word Counts		Double Infix Word Counts		Distinct Count Ratio	Single vs. Double Document Count Ratio		Ratio Divergence
Single vs. Double	>	<	>	<	>	<		>	<	
[fptk]e	69	54	213	78	74	190	1.278	2.878	-2.436	5.314
cse	264	161	1186	248	482	1109	1.64	2.461	-4.472	6.932
[yo] + e-Sequence	915	483	2096	463	678	1605	1.894	3.091	-3.467	6.558
qo + e-Sequence	253	130	919	480	367	984	1.946	2.504	-2.05	4.554
ce	574	261	2854	480	1016	1483	2.199	2.809	-3.09	5.899
c[fptk]e	134	25	587	15	154	50	5.36	3.812	-3.333	7.145

Table 8.20: Counts of *e* in Single-Word Figure Labels with *ce* or *cse*

Group	Distinct Count			Instances			Words		
e-Count	1	2	3	1	2	3	1	2	3
ce Variants									
ce	14	7		14	7		ceckcey, cectcey, cedaiirsainy, cedy, cefaly, cekcedar, ceockey, ceocpey, ceodal, ceodalg, ceodar, ceolar, ceosar, cesary	ceed, ceefy, ceeody, ceeoekcy, ceeoepy, ceeolpy, ceeorol	
yo + ce	3	1		3	1		oceodare, oceory, oceoyk	oceeos	
yo + fptk + ce	19	8	1	19	8	1	ofcedady, ofcedysd, ofcesody, okceoda, okceor, okceosam, okceoy, opceoldg, opceoldy, otce, otcedal, otcedo, otceocsey, otceodals, otceody, otcey, ykcedy, ytceody, ytceodyy	ofceeay, ofceeor, okceedy okceeody, otceeodar, otceeody, yfceeodly, ytceeodytor	ofceeesy
cse Variants									
cse	5	7		5	8		csecey, csedar, csedy, cseockeay, cseolcsedy	cseek, cseekal, cseeoeky, cseeol, cseeosam, cseey, cseoleey	
yo + cse	1	1		1	1		ocseodody	ocseesy	
yo + fptk + cse	5	1		5	1		ofcseoldy, okcsedoeos, okcseor, otcsecsedy, otcsey	opcseedaiin	

Table 8.21: Determinants of the Enumeration Targets of e-Sequences

Defined By	Distinct Count	Document Count	Probable Expansions of:
c-Sequences			
c	2644	10841	Sequences to the Right
cs	1141	4600	
c[fptk]	595	2120	
cbe	13	14	
Other e^{1-4} Following			
[tk]	120	540	Sequences to the Right
l[fptk]	136	491	
d[fptk]	9	10	
de^{1-4}	29	41	
e-initial	47	68	
qe^{1-4}[fptk]	10	14	
Suspected [yo]-Nouns			
[yo][fptk]e^{1-4}	493	4074	[yo][fptk] vs. Sequences to the Right
[yo]e^{1-4}[fptk]	49	58	[yo] vs. [fptk] Possibly + Sequences to the Right
[fptk | b]e^{1-4}o[dlrsmg | y]	511	1665	Sequences to the Right when [fptk | b] is a Prefix
[yo]e^{1-4}o	46	68	oo
oe^{1-4}d	35	81	od
[yo]oe^{1-4}s	31	61	os
[yo]e^{1-4}y	20	58	oy
[yo]le^{1-4}	29	39	[yo]l vs. Sequences to the Right
Other			
[yo]e^{1-4}a	18	26	[yo] vs. a
[fptk]e^{1-4} not preceded by [yo]	316	1656	Sequences to the Right when [fptk | b] is a Prefix
[fptk]e^{1-4}dy not preceded by [yo]	134	593	Sequences to the Right when [fptk | b] is a Prefix
Remainder	75	85	

Table 9.1: Prefix and Suffix Candidates Eliminated by Role Predilection Testing

Length	Distinct Count	Document Count	% Eliminated	Distinct Consonant Clusters	Document Consonant Clusters	% Eliminated	Distinct Vowel Clusters	Document Vowel Clusters	% Eliminated
All	17317	26005	66.591	165	315	52.381	60	129	46.512
2	85	285	29.825	39	115	33.913	3	23	13.043
3	607	1324	45.846	83	137	60.584	17	40	42.5
4	1856	3406	54.492	38	57	66.667	18	34	52.941
5	3530	5715	61.767	4	5	80	16	25	64
6	4386	6370	68.854	1	1	100	3	4	75
7	3531	4733	74.604	0	0	0	1	1	100
8	1998	2545	78.507	0	0	0	1	1	100
9	866	1056	82.008	0	0	0	1	1	100
10	292	369	79.133	0	0	0	0	0	0
11	115	140	82.143	0	0	0	0	0	0
12	34	45	75.556	0	0	0	0	0	0
13	15	15	100	0	0	0	0	0	0
14	2	2	100	0	0	0	0	0	0

Table 9.2: Initial Prefix and Suffix Scoring Results

Rank	Prefix	Prefix Score	Suffix	Suffix Score	Rank	Prefix	Prefix Score	Suffix	Suffix Score
1	qo	0.73989	aiin	0.23540	26	tce	0.24967	eeo	0.16337
2	ce	0.56386	eor	0.21968	27	ote	0.24916	eol	0.16334
3	cee	0.45649	ed	0.21665	28	kce	0.24822	dam	0.16304
4	cse	0.37552	eo	0.21021	29	opce	0.24670	eeor	0.16260
5	ceo	0.36168	ain	0.20994	30	cte	0.24663	odaiin	0.16030
6	yk	0.34073	edaiin	0.19737	31	yte	0.24366	edain	0.15976
7	csee	0.33046	ees	0.19401	32	otce	0.24224	eoy	0.15859
8	yt	0.32310	csey	0.18842	33	okee	0.24056	eky	0.15810
9	ok	0.31685	edar	0.18627	34	ceet	0.24020	oly	0.15738
10	ot	0.31466	eal	0.18386	35	lo	0.23620	eodaiin	0.15720
11	oke	0.31249	ear	0.18156	36	qote	0.23462	es	0.15565
12	dce	0.30286	eed	0.18008	37	te	0.23310	ecsey	0.15421
13	ol	0.29130	oldy	0.17971	38	olce	0.23199	eeol	0.15334
14	qoke	0.28192	eod	0.17822	39	okce	0.23181	am	0.15082
15	oe	0.27290	eody	0.17786	40	lk	0.23149	ldy	0.14841
16	lke	0.27087	eos	0.17561	41	qokce	0.23133	ody	0.14801
17	pce	0.26649	edal	0.17530	42	cke	0.22852	ctey	0.14786
18	qok	0.26491	edy	0.17185	43	yke	0.22427	olaiin	0.14782
19	kee	0.26304	daiin	0.16976	44	oce	0.22344	eodal	0.14680
20	olk	0.26055	aly	0.16814	45	ceok	0.22241	eoldy	0.14668

21	qot	0.25933	eedain	0.16794	46	qoe	0.22137	ecey	0.14668
22	lce	0.25542	eoly	0.16778	47	qokee	0.22089	cedy	0.14648
23	ke	0.25524	ly	0.16652	48	sce	0.22087	edor	0.14406
24	yce	0.25269	eeody	0.16457	49	qopce	0.22028	ckeey	0.14389
25	ceot	0.25041	eeal	0.16417	50	oee	0.22017	ar	0.14385

Table 9.3: Prefix and Suffix Scoring Results Following Length Penalties

Rank	Prefix	Prefix Score 2	Suffix	Suffix Score 2	Rank	Prefix	Prefix Score 2	Suffix	Suffix Score 2
1	qo	0.73989	ed	0.21665	26	cp	0.15645	aly	0.08407
2	ce	0.56386	eo	0.21021	27	oke	0.15624	eeo	0.08168
3	yk	0.34073	ly	0.16652	28	dce	0.15143	eol	0.08167
4	yt	0.32310	es	0.15565	29	sc	0.14708	dam	0.08152
5	ok	0.31685	am	0.15082	30	ko	0.14393	eoy	0.07929
6	ot	0.31466	ar	0.14385	31	pc	0.14111	eky	0.07905
7	ol	0.29130	ry	0.13356	32	lc	0.14086	oly	0.07869
8	oe	0.27290	om	0.12995	33	kc	0.14046	aiin	0.07846
9	ke	0.25524	as	0.12890	34	lke	0.13543	in	0.07784
10	lo	0.23620	oy	0.12866	35	pce	0.13324	sy	0.07463
11	te	0.23310	er	0.12604	36	qok	0.13245	ldy	0.07420
12	lk	0.23149	ky	0.11501	37	kee	0.13152	ody	0.07400
13	cee	0.22824	an	0.11333	38	olk	0.13027	ea	0.06889
14	po	0.21711	eor	0.10984	39	qot	0.12966	tl	0.06835
15	qe	0.20577	ain	0.10497	40	sk	0.12913	lal	0.06833
16	cse	0.18776	os	0.09758	41	lce	0.12771	eom	0.06667
17	so	0.18705	ees	0.09700	42	tc	0.12757	em	0.06467
18	ct	0.18615	py	0.09640	43	yce	0.12634	yky	0.06413
19	ceo	0.18084	eal	0.09193	44	op	0.12548	iin	0.06366
20	dc	0.17677	ear	0.09078	45	tce	0.12483	csey	0.06280
21	de	0.17593	eed	0.09004	46	ote	0.12458	edar	0.06209
22	to	0.17492	eg	0.08946	47	kce	0.12411	ety	0.06186
23	ck	0.16892	eod	0.08911	48	cte	0.12331	ydy	0.06090
24	oc	0.16603	eos	0.08780	49	do	0.12318	oldy	0.05990
25	yc	0.16400	edy	0.08592	50	od	0.12222	ef	0.05990

Table 9.4: All 61 Polygraphs of Length 2-3 with Perfect Compound Boundary Scores

Rank	Polygraph	Count	Prefix Score	Suffix Score	Rank	Polygraph	Count	Prefix Score	Suffix Score
1	ety	32	-1	0.12372	32	aky	5	-1	0.02660
2	lky	22	-1	0.07698	33	cy	5	-1	0.00123
3	rdy	20	-1	0.03448	34	xor	5	-1	-0.01691
4	ag	19	-1	-0.00642	35	san	5	0.03953	-1
5	ady	17	-1	0.09226	36	xar	4	-1	0.04035
6	lg	16	-1	0.01534	37	yly	4	-1	0.00514
7	eas	16	-1	0.09564	38	dm	4	-1	0.00225
8	dan	15	-1	0.05132	39	are	4	-1	0.00031
9	dey	15	-1	0.03874	40	dag	4	-1	-0.00082
10	og	15	0.01803	-0.01803	41	cky	4	-1	0.06693
11	oin	14	-0.02952	0.02952	42	dky	4	-1	0.02199
12	sam	14	-1	0.02347	43	qy	4	0.00451	-1
13	em	13	-1	0.06467	44	oam	4	-1	0.00573
14	een	12	-1	0.07183	45	loy	3	-1	-1
15	lom	12	-1	0.01713	46	dpy	3	-1	0.00019
16	dg	12	-1	0.00634	47	rky	3	-1	0.06835
17	rom	11	-1	0.02324	48	sky	3	-1	0.06331
18	co	10	0.01140	-1	49	tan	3	-1	0.04441
19	ddy	10	-1	0.08016	50	som	2	-1	-1.00000
20	cty	10	-1	0.07365	51	dls	2	-1	0.00741
21	dom	9	-1	0.03410	52	arg	2	-1	-1.00000
22	lm	8	-1	0.00977	53	amy	2	-1	0.03705
23	asy	8	-1	0.02033	54	yor	2	-1	0.02032
24	osy	8	-1	0.07903	55	ods	2	-1	0.00648
25	qko	7	0.00847	-1	56	gar	2	-1	0.00601
26	alg	7	-1	0.06715	57	rn	1	-1	0.00294
27	dys	7	-1	0.01186	58	qey	1	0.00352	-1
28	dly	6	-1	0.02321	59	org	1	-1	-1
29	cto	6	0.03953	-1	60	amg	1	-1	0.00009
30	sl	6	-1	0.00240	61	cpy	1	-1	0.04107
31	kom	5	0.00814	-0.00814	32	aky	5	-1	0.02660

Table 9.5: Top 22 Polygraphs Most Similar to *ad* by Combined Conditional Distribution Distance

Rank	Polygraph	Document Count	Distribution Distance 1	Distribution Distance 2	Combined Distribution Distance
1	ar	2978	0.18048	0.23881	0.20965
2	am	707	0.19632	0.29617	0.24625
3	al	2908	0.23470	0.25933	0.24702
4	an	121	0.19491	0.30340	0.24915
~~5~~	~~gl~~	~~2~~	~~0.19491~~	~~0.32203~~	~~0.25847~~
~~6~~	~~ja~~	~~2~~	~~0.19491~~	~~0.32203~~	~~0.25847~~
~~7~~	~~n'~~	~~2~~	~~0.19491~~	~~0.32203~~	~~0.25847~~
8	yd	188	0.22322	0.30643	0.26483
9	as	129	0.22060	0.30955	0.26507
10	ak	37	0.28859	0.28103	0.28481
11	ys	40	0.16377	0.41864	0.29120
12	or	2487	0.16429	0.42192	0.29311
13	yr	20	0.26101	0.32754	0.29427
14	yl	43	0.31848	0.28537	0.30193

15	at	13	0.32855	0.31877	0.32366
16	om	179	0.19770	0.45421	0.32596
17	el	79	0.19266	0.46127	0.32696
18	od	2370	0.16255	0.49516	0.32886
19	os	518	0.12777	0.53489	0.33133
20	ol	5212	0.28924	0.37558	0.33241
21	kd	12	0.17514	0.49505	0.33509
22	ed	6213	0.15261	0.51766	0.33513

Table 9.6: Distribution Distance Hyperpyramids for Digraphs

Hyper Pyramid		Counts			Perimeter		Hyper Pyramid		Counts			Perimeter	
#	Definition	Member	Point	Line		μ Per Line	#	Definition	Member	Point	Line		μ Per Line
66	oy, os, om, od, es, ey, eg, er, og, ol, or, ed, sd	13	91	4095	18.96137	0.00463	70	ky, do, ty, dl, rl, dr	6	21	210	3.65374	0.01739
17	lr, ld, ls, ly, lm, lg, ii, ir, is, im, ro, lo, ry	13	91	4095	20.90104	0.00510	23	nl, ny, nd	3	6	15	0.26648	0.01776
101	lm, ly, ry, ld, lo, lg, ls, ir, im, is, lr, ii	12	78	3003	17.27429	0.00575	210	dc, sc, yc, cs, pc	5	15	105	1.90214	0.01811
138	yf, sp, lf, dp, ep, qp, ps, of, lp, yp, op	11	66	2145	13.54185	0.00631	47	ls, ld, ry, ly, lo	5	15	105	1.90265	0.01812
97	yt, lk, yk, at, ek, rk, sk, dk, lt, ot, ok	11	66	2145	13.74280	0.00640	147	iy, xa, dg, xy, mg, xo	6	21	210	3.86666	0.01841
19	or, ol, oy, om, os, od, es, er, ed, ey	10	55	1485	9.78375	0.00658	178	py, do, ty, fy, ky, gy	6	21	210	3.93703	0.01874
34	oa, ra, pa, do, fa, la, da, sa, ka, ta	10	55	1485	9.79203	0.00659	15	ga, xo, xa, mg, do, iy	6	21	210	3.96226	0.01886
71	eg, or, ol, oy, os, od, om, ey, ed, es	10	55	1485	10.06056	0.00677	69	si, iy, in, nl, id	5	15	105	1.98336	0.01888
99	ic, mc, fs, dc, cf, rc, sc, kc, cB, cp, yc, tc, ct	13	91	4095	28.05485	0.00685	32	to, ko, ky, ty, py	5	15	105	1.99356	0.01898
221	so, do, to, ko, po, lo, ty, sa, pa, ta	10	55	1485	10.49101	0.00706	201	rd, ry, ly, ld, ls	5	15	105	2.00986	0.01914
150	nd, nl, ny, no, iy, na, ig, in, ll, si, id	11	66	2145	15.19757	0.00708	177	fo, po, to, ko, do	5	15	105	2.01613	0.01920
165	ik, id, in, iy, ny, si, nd, na, ig, ll, nl	11	66	2145	15.46917	0.00721	129	ky, do, lq, rl, ty, dl	6	21	210	4.09300	0.01949
102	ll, id, si, iy, in, ig, nd, ny, nl, na	10	55	1485	11.58361	0.00780	90	ko, to, so, do, oo	5	15	105	2.08210	0.01982
	ko, to, so, do, ty, lo, po, ta, pa	9	45	990	8.17283	0.00825	56	ym, xa, sm, dm, xo, mg	6	21	210	4.18888	0.01994
164	do, to, ko, kl, so, py, ty, ky, fy	9	45	990	8.60908	0.00869	74	is, ii, im, ir	4	10	45	0.93109	0.02069
2	xo, xa, iy, do, ty, rl, mg, xy, dm, cy	10	55	1485	13.06821	0.00880	52	do, ky, ty, dy, sy	5	15	105	2.24266	0.02135
16	ta, oa, pa, ka, da, sa, ra, la	8	36	630	5.56791	0.00883	58	mg, xo, ao, ae, xa, iy	6	21	210	4.57326	0.02177
94	xo, mg, fs, oB, xa, iy, sl, el, do, so	10	55	1485	13.43597	0.00904	104	or, ol, os, od	4	10	45	0.99735	0.02216
192	nl, iy, na, in, ig, ll, nd, no, ny, nc	10	55	1485	13.56284	0.00913	110	iy, mg, xa, xo, xy	5	15	105	2.33888	0.02227
108	as, an, or, om, al, am, ar, yd	8	36	630	5.97885	0.00949	131	iy, sr, mg, xa, xo	5	15	105	2.39444	0.02280
180	id, ig, ll, si, ny, in, nl, iy, io	9	45	990	9.47421	0.00956	39	ym, tl, mg, xa, xo	5	15	105	2.46111	0.02343
119	as, or, an, ol, yl, al, am, ar	8	36	630	6.15278	0.00976	96	cp, ct, cf, de, ck	5	15	105	2.49760	0.02378
113	do, so, ko, to, po, lo, ty, ta	8	36	630	6.15806	0.00977	149	sa, ki, ti, ta, ka	5	15	105	2.50235	0.02383
29	il, im, ir, ii, is, ly, ry, mo	8	36	630	6.30344	0.01000	30	xo, xa, mg, iy, my	5	15	105	2.51111	0.02391
43	ay, yr, ol, oy, os, om, or, od	8	36	630	6.58965	0.01045	53	tc, kc, fc	3	6	15	0.36063	0.02404
114	lr, lo, ls, ld, ly, ry, lm, lg	8	36	630	6.65137	0.01055	76	id, in, iy, ll	4	10	45	1.10669	0.02459
133	es, ed, or, ol, ea, eo, er, ey	8	36	630	6.78523	0.01077	18	al, am, ar, ai, oi	5	15	105	2.59829	0.02474
167	oc, ec, qc, ac, xo, mg, xa, qe, yo, qo	10	55	1485	16.02268	0.01078	144	iy, mg, xa, xo, ag	5	15	105	2.60404	0.02480
42	as, or, om, am, an, ar, al	7	28	378	4.16783	0.01102	45	fe, pe, ke, te, se	5	15	105	2.62714	0.02502
185	om, os, od, yr, or, oy, ol	7	28	378	4.23054	0.01119	109	on, ym, mg, xa, xo	5	15	105	2.62777	0.02502
153	xo, xa, mg, iy, so, do, ym, sl	8	36	630	7.08506	0.01124	219	iy, oq, mg, xo, xa	5	15	105	2.68429	0.02556
218	ot, yk, ok, lk, yt, lt	6	21	210	2.36934	0.01128	57	nl, rs, it, iy, ig	5	15	105	2.72500	0.02595
196	oy, or, om, og, os, od, ol	7	28	378	4.27792	0.01131	54	xo, xa, mg, ye, iy	5	15	105	2.72777	0.02597
157	ad, ar, al, am, an, or, as	7	28	378	4.29604	0.01136	1	cr, mg, xo, xa, iy	5	15	105	2.72777	0.02597
80	xo, xa, mg, iy, do, qc, qe, qo, qy	9	45	990	11.27495	0.01138	142	iy, xo, xa, mg, Bo	5	15	105	2.72777	0.02597
27	ck, ct, cp, cf, tc, dc, kc, sc	8	36	630	7.20027	0.01142	159	co, mg, xo, xa, iy	5	15	105	2.72777	0.02597
44	or, ol, oy, es, ed, ey, er	7	28	378	4.45393	0.01178	155	ge, mg, xo, xa, iy	5	15	105	2.72777	0.02597
143	rg, sr, xo, mg, xa, sl, iy, do	8	36	630	7.58470	0.01203	156	iy, xa, xo, mg, go	5	15	105	2.72777	0.02597
73	fc, pc, tc, kc, dc, sc	6	21	210	2.55978	0.01218	85	ee, eo, ea, ey, er	5	15	105	2.77913	0.02646
41	ts, rl, ty, dr, py, do, dl, ky	8	36	630	7.70041	0.01222	20	xo, mg, xa, sl, ss	5	15	105	2.79444	0.02661
10	ot, yt, ok, yk	4	10	45	0.55999	0.01244	171	yq, xa, mg, xo, iy	5	15	105	2.80277	0.02669
121	da, pa, oa, di, sa, ka, ta	7	28	378	4.77126	0.01262	89	oe, ce, se, te, ke	5	15	105	2.80673	0.02673
137	ka, ta, da, sa, oa, pa	6	21	210	2.72509	0.01297	92	do, so, yo, qe, qo	5	15	105	2.92552	0.02786
49	ma, ry, lm, ly, ls, ld, lo	7	28	378	4.90722	0.01298	3	cB, ct, cp, cf	4	10	45	1.31382	0.02919
28	or, ol, ed, er, ey, es, em	7	28	378	4.92080	0.01301	62	ef, ep, et, ek	4	10	45	1.32452	0.02943
197	os, od, ol, or, oy, om	6	21	210	2.76032	0.01314	148	qc, ac, oc, ec, qo	5	15	105	3.18169	0.03030
208	op, ep, dp, ap, yp, yf, of	7	28	378	4.99094	0.01320	214	er, ey, ea, eo	4	10	45	1.38082	0.03068
112	or, as, am, an, al, ar	6	21	210	2.78577	0.01326	5	lf, lp, yp	3	6	15	0.47894	0.03192
8	lf, yf, lp, yp, op, of	6	21	210	2.84984	0.01357	50	lc, yc, rc, re	4	10	45	1.48842	0.03307
105	qa, ya, sa, ti, oa, ta, da	7	28	378	5.14063	0.01359	98	od, os, en, dy	4	10	45	1.49983	0.03332
61	sy, dl, do, dd, dy, ty, ky	7	28	378	5.18268	0.01371	35	ty, ky, ko	3	6	15	0.50166	0.03344
55	lp, lf, sp, op, of, yp	6	21	210	2.92084	0.01390	25	yy, qo, yo, qe, qy	5	15	105	3.62346	0.03450
126	yt, ok, ot, rk, yk	5	15	105	1.47249	0.01402	205	Be, pe, fe, te	4	10	45	1.57370	0.03497

79	ti, ka, ta, sa, da, pa	6	21	210	3.01069	0.01433	88	tc, cB, ct, fs, mc	5	15	105	3.69584	0.03519
68	lp, lf, of, yp, op, qp	6	21	210	3.06497	0.01459	84	yt, ot, ks, dt	4	10	45	1.63724	0.03638
13	dp, ep, op, yp, lp, of	6	21	210	3.07809	0.01465	182	ok, lk, lt	3	6	15	0.55209	0.03680
21	aj, mg, cy, xo, xa, xy, iy, do	8	36	630	9.35538	0.01484	172	si, ny, xo, no, ni	5	15	105	4.01785	0.03826
139	ro, lo, ly, ry, ld, ls	6	21	210	3.13022	0.01490	125	mo, im, ir	3	6	15	0.58855	0.03923
117	ty, ky, tl, pd, td, kl, kd	7	28	378	5.72997	0.01515	9	xa, xo, mg	3	6	15	0.58888	0.03925
162	ko, po, to, so, do, el	6	21	210	3.18969	0.01518	186	os, od, ys	3	6	15	0.60624	0.04041
100	ig, si, nl, id, iy, in	6	21	210	3.20472	0.01526	202	ll, iy, sl	3	6	15	0.63364	0.04224
128	xo, xa, ox, ax, sl, iy, mg	7	28	378	5.77222	0.01527	193	fd, mg, do, xo	4	10	45	1.92253	0.04272
4	ty, tl, kl, kd, ko, ky	6	21	210	3.27502	0.01559	38	ox, ax, lx, rx	4	10	45	1.93333	0.04296
169	qk, yk, ok, ot, yt	5	15	105	1.66646	0.01587	63	ex, ox, mg, xo	4	10	45	1.94920	0.04331
120	do, to, so, yo, po, ko	6	21	210	3.35110	0.01595	152	ok, at, sk	3	6	15	0.68566	0.04571
130	lf, yp, lp, rp, of, op	6	21	210	3.37584	0.01607	11	ps, sf, op	3	6	15	0.70032	0.04668
7	oa, da, sa, ta, pa	5	15	105	1.70658	0.01625	26	ok, sk, ak	3	6	15	0.76007	0.05067
33	rc, lc, yc, sc, dc	5	15	105	1.72697	0.01644	145	ao, mg, xo	3	6	15	0.80555	0.05370
211	ko, to, ds, ky, ty, do	6	21	210	3.46420	0.01649	64	lc, rc, le	3	6	15	0.80599	0.05373
46	xo, sl, xa, mg, iy, sr, ip	7	28	378	6.31666	0.01671	12	qc, oc, ac	3	6	15	0.83384	0.05558
161	dl, rl, ty, ky, py, do	6	21	210	3.51039	0.01671	174	lf, qt, rf	3	6	15	0.90416	0.06027
65	om, or, ol, oy, os	5	15	105	1.75949	0.01675	220	il, iy, ri	3	6	15	0.96111	0.06407
72	da, ta, sa, pa, fa	5	15	105	1.78783	0.01702	176	sa, oi, ei	3	6	15	1.09576	0.07305
191	sm, dy, ky, ty, do, sy	6	21	210	3.62554	0.01726	70	ky, do, ty, dl, rl, dr	6	21	210	3.65374	0.01739

Table 9.7: Consolidated Generator Statements for the Digraph Distribution Distance Hyperpyramids

Formal Definition	Internal IDs of Participating Hyperpyramids
e[yoa | e | r]**- the e + vowel group**	85, 214
[fptk] groups	
e[fptk]	62
[fptk | ds]y + d[yo | lr] + [dr]l + [tkd]o + ts | lq | s[ym]	32, 41, 52, 61, 70, 129, 161, 178, 191
[fptk]e	45, 89, 205
[fptk | dlrs | o]a + do | di | [tk]i | [qy]a	7, 16, 34, 72, 79, 105, 121, 137, 149, 176
[fptk | dsly]o + [fptk]y + ta | [pts][ao] | el | d[os]	90, 120, 113, 162, 164, 177, 211, 221
[qdsy]o + q[oey] + y[oy]	25, 92
Initial or Final *c* Groups	
c[fptk | b] + [fptk | dsy]c + fs | cs | de	27,99, 96, 3, 88, 73, 53, 210
[q | ao | e]c + q[oc]	12, 148
[lyrsd]c + [rl][ce]	33, 50, 64
fptk-Last Division of Labor Groups	
[yoedlrs]k + [aoyl]t	97, 182
[yoa | e | dl]p + o[pf] | [yo]f	13, 208
[yol][fp] + ps | [qrsde]p	8, 55, 68, 130, 138 consolidated + #5 subgroup + 2 stragglers
[yo][tk] + l[kt] | [qr]k | dt + ks	10, 84, 126, 169, 218
2 Others	
[lr][yo | d] + l[ods]	47, 139, 201
[tk][lyd] + pd | k[yo] group	4, 35, 117
Initial or Final *a* or *o* Groups	
o[dlrsmg | y] + e[drsg | y] + sd | y[rs] | [ad]y | e[ao | n]	19, 28, 43, 44, 65, 66, 71, 104, 133, 185, 186, 196, 197
a[lrsm | n] + [ao]r + o[rm] + y[dl]	18, 42, 108, 112, 119, 157
[os]k + a[tk]	26, 152
i-Groups	
l[yo | drsmg] + r[y] + i[rsm]	17, 49, 101, 114
[lr]f + qt (a subset of the above)	
op + ps + sf (a subset of the above)	
i[yo | k | dg | n] + n[yoa | dl] – oo + it | si | rs | [ls]l	23, 57, 69, 76,100, 102, 150, 165, 192, 180, 202
[ns]i + n[yi] + [xn]o (a subset of the i[yo | k | dg | n] group above)	172
i[isrml] + [lr]y + mo | ri	29, 74, 125, 172, 220
x[ao] Groups	
the xa, xo, mg, iy group x[ao] + mg + iy + ye | cr | bo | co | ge | go | yq | xy | my | ag | a[oe] | oq | ga + do | [dm]g | sr | s[ls] | sl + [ao]x | s[lr] + ip | s[lr] + rg + do | do + ym + s[lo] | [dq]o + q[ceoy] | [ci]y + aj | [dsx]o + fs + ob + [se]l	1, 9, 15, 20, 21, 30, 46, 54, 58, 94, 110, 128, 131, 142, 143, 144, 147, 153, 155, 156, 159, 171
the xa, xo, mg, iy group without the iy x[ao] + mg + [ysd]m | ym + tl | ym + on | [aeoq]c + q[ceo] + qy[o]	39, 56, 109, 167; 9 is listed elsewhere but can be used as a subset here
the xa, xo, mg, iy group x[yoa] + mg + iy + [dmx]o + [tc]y + rl	2, 94, 21
4 Poorly Defined Subsets of the x[ao] Groups	
[ax]o + mg	145
[ao | lr]x	38
xo + mg + [eo]x	63
[xd]o + mg +fd	193

Table 9.8: Generator Statements for the Trigraph Distribution Distance Hyperpyramids

Hyper Pyramid #	Definition of the Highest-Ranking Cluster	Member Count	Point Count	Perimeter	Mean Perimeter Per Line
12810	koy, kom, tan, tyl, tar, pam, kar, tor, tal, tam, kor, kol, kal, tol	14	105	10.69295	0.00195
12769	yda, ola, ora, yka, yta, opa, lka, ala, ara, ota, oka, asa, aka	13	91	15.05216	0.00367
12728	dys, dpy, dls, kog, kog, mam, lls, kyt, lls, mam, tam, kos, kag	13	87	14.60758	0.00390
12712	oky, cto, koy, oty, tam, kos, tal, pam, tar, kom	10	55	6.75159	0.00454
12819	oyk, dyf, qcp, cck, sok, otl, qck, qyk, qct, tot, qok, qot	12	78	16.18677	0.00539
12753	olf, alf, kot, cck, qcp, qop, ork, alp, olp, qop, qof	11	64	12.19008	0.00604
12865	lar, lor, lal, lol, lod, rar, ral, rol, ram, rod	10	55	8.99933	0.00606
12774	por, sor, okl, dto, ykd	8	31	3.46819	0.00745
12881	pol, fol, qol, sol, kos, pal, okl	7	28	4.40979	0.01166
12616	alo, ald, aly, ary, ala, ara	6	21	2.90521	0.01383
12789	odc, ock, ocf, oct, ocp	5	15	2.14427	0.02042

Rare Letters and Polygraphs					
12709	gam, yly, sas, xor, dyr, gam	10	44	9.05000	0.00956
12693	odd, xar, dys, ofy, sdy, tyl	8	24	3.99206	0.01446
12665	olm, xar, xor, olm	10	40	5.85000	0.0075

Table 9.9: Generator Statements for the Quadgraph Distribution Distance Hyperpyramids

Hyper Pyramid	Definition of the Higher-Ranking Cluster	Member Count	Point Count	Perimeter	Mean Perimeter Per Line
18657	adam, odly, odky, olsy	26	273	49.93750	0.00134
18954	tary, kald, kool, kaly, lkam, kary, toly, kody, tody, taly, toky, kydy, lolo, pary	14	105	8.41969	0.00154
18747	okam, okyd, okan, ofol, otam, okar, toly, lkam, lolo, ykal, okor	11	66	5.63130	0.00262
18693	kodc, torc, kodc, torc, kodc, torc, kodc, torc, kodc, torc, oldc, kodc, torc, oldc, karc	15	83	10.16071	0.00298
18780	otyl, opas, ytas, opas, ytas, otyl, otyl, kalk, opas, sald, ytas, sald, kalk, ytod	14	89	12.45658	0.00318
18835	lkam, toly, taly, lolo, okan, okam, otor, okar, pary	9	45	3.18755	0.00321
18777	sosa, olka, qota, qoka, dasa, paro, rara, qoda, pora, loda, toda	11	66	7.50717	0.00349
18864	okom, alal, alor, aldy, ardy, aral, alam, alom, aram, alod	10	55	6.83989	0.00460
18823	yrol, qoyk, qolk, solk, otot, salk, qolt	7	28	3.78938	0.01002
18718	sasy, aran, kady, kory, toly, kary	6	21	2.21825	0.01056
18895	tory, tolg, tary	3	6	0.29545	0.01969

Table 9.10: Prefix/Suffix Ratios for Words of Length > 2 Formed from [ao][tk | dlrsm]

	f	p	t	k	d	l	r	s	m	n	y
a	1-5	2-1	6-1	11-0	9-9	95/393	507/60	3/59	11/234	0/56	16/0
o	69-5	175-5	476-8	409-8	58-107	302/438	404/96	23/151	1/88	0/3	63/15

Table 9.11: Counts of Single-Letter Words in Version #29

Symbol	Word Count	Symbol	Word Count
s	243	k	10
y	148	x	9
r	94	t	8
o	81	v	7
l	57	f	7
d	52	c	6
g	14	e	3
p	13	n	3
m	10	a	2

Table 9.12: Initial Estimates of Prefix and Suffix Candidates Serving as Digraphs, Trigraphs or Quadgraphs

Prefixes	Digraphs	Trigraphs	Quadgraphs
Quadgraph			157
Trigraph or Quadgraph			74
Trigraph		129	59
Indeterminate	3	40	47
Digraph	85	41	13
Quadgraph or Infix			5
Digraph or Quadgraph			4
Infix	3	3	4
Digraph or Trigraph		46	3
Trigraph or Infix		13	2
Infix or Digraph	9	1	1
Trigraph or Single Letter		5	0
Single Letter	5	3	0
Single Letter or Digraph	17	3	0
Infix or Single Letter	1	0	0
	123	**284**	**369**

Suffixes	Digraphs	Trigraphs	Quadgraphs
Quadgraph			95
Trigraph		113	77
Trigraph or Quadgraph			35
Indeterminate	11	7	32
Digraph	52	54	30
Digraph or Quadgraph			13
Digraph or Trigraph		40	4
Trigraph or Single Letter		5	3
Trigraph or Infix		2	1
Quadgraph or Infix			1
Quadgraph or Single Letter			1
Infix	11	0	0
Single Letter	10	6	0
Infix or Digraph	8	0	0
Single Letter or Digraph	7	2	0
Infix or Single Letter	4	0	0
	103	**229**	**292**

Table 9.13: Final Tally of Affix Types by Word Usage Counts

Affix Type	Affix Type Count
Digraph and Compound Word	2993
Single Compound	2455
Trigraph and Compound Word	1281
Digraph	679
Double Compound and Compound Word	586
Trigraph	440
Double Compound	239
Quadgraph	173
Quadgraph and Compound Word	92
Trigraph or Quadgraph	2
	8940

Table 9.14: Prevalence of Dual-Use Morphemes among the Highest-Ranked Prefix Candidates

Adfix	Polygraph Count	Words Adfixed by this Polygraph	Adfix	Polygraph Count	Words Adfixed by this Polygraph
qo	773	413	oty	52	18
ol	1483	239	yd	134	18
ot	829	233	fo	68	17
ok	970	189	ka	523	17
qok	257	139	ra	339	16
op	280	122	os	249	16
qot	167	104	otar	30	16
yk	286	95	yko	29	15
so	200	91	yto	36	15

yt	217	90	opo	53	15
al	1017	83	alk	54	15
da	1097	80	yf	25	15
to	336	71	opal	21	14
or	751	66	yka	55	14
do	249	62	dk	30	14
po	179	60	lt	73	14
oto	167	55	alo	107	14
ko	320	54	lol	76	13
lk	367	53	oq	21	13
dal	255	51	oqo	18	13
olk	206	49	qoo	19	12
qop	58	49	dyt	23	12
ota	142	46	sor	24	12
lo	318	46	sok	14	12
of	120	46	aro	92	12
oka	200	43	lp	30	11
dy	1214	42	por	27	11
od	883	41	kod	42	11
oko	149	41	dor	60	11
qol	46	40	qk	16	11
ar	867	39	otor	19	10
yp	60	37	sot	11	10
pol	61	37	dl	55	10
sol	46	31	tod	53	10
sa	215	31	yta	41	10
ro	254	28	ll	43	10
dol	79	28	sar	37	10
otal	48	27	yl	41	10
qoko	38	26	ofa	32	10
tol	96	26	tal	87	10
okal	66	25	oy	91	10
dar	226	25	oro	75	10
qof	27	24	tar	66	10
qoka	48	23	old	118	10
otol	47	23	ara	139	9
opa	64	23	ld	236	9
qod	25	21	am	266	9
yo	41	20	rol	68	9
olo	125	20	ral	87	9
kol	104	19	ola	100	9
ta	302	19	ora	114	9
qoto	31	19	pa	125	9
olt	48	19	ak	33	9
okol	50	19	qota	28	9
sal	51	19	kor	49	9
oty	52	18	qolk	12	9

Table 9.15: Prevalence of Dual-Use Morphemes among the Highest-Ranked Suffix Candidates

Adfix	Polygraph Count	Words Adfixed by this Polygraph	Adfix	Polygraph Count	Words Adfixed by this Polygraph
dy	1214	344	oldy	53	12
ar	867	229	yl	41	12
al	1017	198	ram	42	11
ol	1483	128	sar	37	11
or	751	128	ror	43	11
am	266	125	alol	27	11
ly	223	81	ys	33	11
ky	177	78	ols	53	11
aly	117	72	kor	49	11
dar	226	71	rar	65	11
dal	255	65	oy	91	11
ody	292	57	aram	24	11
ldy	104	56	ro	254	11
ry	137	47	tol	96	10
ty	124	37	das	25	10
dam	63	37	alar	20	10
sy	83	35	kaly	17	10
kar	94	34	py	47	10
om	95	33	tor	38	9
ls	103	32	fy	30	9
ary	54	32	ady	17	9
an	61	30	ag	19	9
as	102	30	yky	19	9
kal	131	28	rody	20	9
lor	61	28	do	249	9
os	249	27	rdy	20	8
aldy	38	24	yr	19	8
ydy	41	22	lkal	20	8
lol	76	22	ldal	17	8
dol	79	21	lody	17	8
ld	236	21	tody	12	8
od	883	21	dan	15	8
tar	66	18	ad	49	8
lal	55	18	ald	83	8
dor	60	18	aro	92	7

oly	78	17	odar	62	7
lar	44	17	oky	55	7
yd	134	17	aral	34	7
kol	104	17	lam	14	7
ral	87	16	sam	14	7
ory	49	16	lr	20	7
daly	23	16	alal	20	7
lky	22	15	ko	320	7
dl	55	15	dom	9	7
da	1097	15	laly	10	7
lo	318	14	dody	11	7
als	29	14	sdy	11	7
alor	20	14	dydy	11	6
tam	23	14	ddy	10	6
kam	26	13	kody	9	6
tal	87	13	dary	8	6
rol	68	13	old	118	6
			ay	20	6
			far	24	6
			lkar	15	6
			yty	16	6
			sd	26	6

Table 10.1: Breakdown of Phrase Counts by Length

Length	Document Count	Distinct Count	Difference (Reused Phrases)	Length	Document Count	Distinct Count	Difference (Reused Phrases)
2	36025	30771	5254	18	21460	21460	0
3	34920	34762	158	19	20656	20656	0
4	33900	33900	0	20-29	166280	166280	0
5	32919	32919	0	30-39	107728	107728	0
6	31963	31963	0	40-49	70772	70772	0
7	31023	31023	0	50-59	48533	48533	0
8	30087	30087	0	60-69	35122	35122	0
9	29170	29170	0	70-79	26265	26265	0
10	28257	28257	0	80-89	20424	20424	0
11	27363	27363	0	90-99	16290	16290	0
12	26489	26489	0	100-149	43437	43437	0
13	25626	25626	0	150-199	15725	15725	0
14	24773	24773	0	200-249	7364	7364	0
15	23924	23924	0	250-299	3675	3675	0
16	23094	23094	0	300-346	1176	1176	0
17	22271	22271	0				

Table 10.2: Breakdown of Phrases by Count

Phrase Count	# of Distinct Phrases with this Count, across All Lengths	# of Distinct Phrases with this Count for Length = 2	% Accounted for by Length 2	Phrase Count	# of Distinct Phrases with this Count, across All Lengths	# of Distinct Phrases with this Count for Length = 2	% Accounted for by Length 2
1	1058666	28280	2.6714	13	3	3	100
2	1668	1538	92.206	14	3	3	100
3	444	435	97.973	17	3	3	100
4	197	195	98.985	18	3	3	100
5	88	87	98.864	19	2	2	100
6	60	60	100	20	2	2	100
7	49	49	100	21	3	3	100
8	40	40	100	23	1	1	100
9	25	25	100	26	1	1	100
10	18	18	100	32	1	1	100
11	12	12	100	33	1	1	100
12	8	8	100	52	1	1	100

Table 10.3: Top 50 Phrases for Lengths 2-3

Phrases of Length 2	Document-Wide Count	Phrases of Length 3	Document-Wide Count
or aiin	52	ol cseedy qokedy	5
ceol daiin	33	ceey qol ceedy	4
s aiin	32	ol s aiin	4
ar al	26	ceedy qokeey qokeey	3
ar aiin	23	cseedy qokedy cseedy	3
cseedy qokedy	21	cseedy qokedy qokeedy	3
ol ceedy	21	cseeedy qokedy ceedy	3
ol cseedy	21	ol ceedy qokain	3
daiin daiin	20	or aiin okaiin	3
ol daiin	20	or aiin ol	3
ceedy qokeey	19	or or aiin	3
qol ceedy	19	r ol dain	3
ceedy qokain	18	aiin al y	2
cseedy qokaiin	18	aiin okal otal	2
cseey qokain	18	aiin or aiin	2
ceol ceol	17	aiin oteey qokaiin	2
cseedy qokeedy	17	al s air	2
qokeedy qokeedy	17	ar aiin okeey	2
ceedy qokedy	14	ar al s	2
daiin ceey	14	ar otar ytar	2
okar ar	14	ceaiin cectey cteo	2
daiin dal	13	cectey qokeedy qoky	2
ol aiin	13	ceedy ceol ceedy	2

qokal cseedy	13	ceedy okain ceey	2
ceedy qokaiin	12	ceedy qokaiin otaiin	2
cseedy qokeey	12	ceedy qokain ceckey	2
dy daiin	12	ceedy qokain ceectey	2
qokain ceedy	12	ceedy qol ceedy	2
qokain ol	12	ceeedy qokeedy otedy	2
qokal ceedy	12	ceeey ceey qokeey	2
qokedy qokeedy	12	ceeey daiin cseey	2
qokeey qokeey	12	ceey ol aiin	2
ceedy ceedy	11	ceey qokeedy qokedy	2
ceedy qol	11	ceey qokeey okeey	2
cseedy qokain	11	ceo s ceol	2
daiin ctey	11	ceoky ceol dam	2
or ar	11	ceol ceol ceol	2
or ol	11	ceol ceol kor	2
qokar cseedy	11	ceol cey ceaiin	2
qokedy ceedy	11	ceol cey cseol	2
qokedy qokedy	11	ceol daiin cekaiin	2
qokeedy qokedy	11	ceol daiin ctey	2
qokeey daiin	11	ceol daiin qotol	2
r aiin	11	ceor ceol daiin	2
aiin al	10	cey daiin ceey	2
aiin ol	10	cseeckey qokedy qokedy	2
ar ar	10	cseedy ceedy qol	2
ceedy qokar	10	cseedy ol cseedy	2
ceor daiin	10	cseedy qokaiin ceedy	2
cey daiin	10	cseedy qokain cseey	2

Table 10.4: Phrases Repeated within the Same Text Sequences

Phrase	Combined Count across Multi-Instance Text Sequences	Distinct Text Sequences with > 1 Instance	Phrase	Combined Count across Multi-Instance Text Sequences	Distinct Text Sequences with > 1 Instance	Phrase	Combined Count across Multi-Instance Text Sequences	Distinct Text Sequences with > 1 Instance
or aiin	14	6	ceo s	2	1	ol koldy	2	1
cseedy qokedy	8	4	ceol cseol	2	1	ol qokeedy	2	1
ol cseedy	8	3	ceol cteol	2	1	or aiiin	2	1
cseey qokain	5	2	cseedy ceedy	2	1	or ol	2	1
qol ceedy	5	2	cseedy qokaiin	2	1	or om	2	1
cseedy qokeedy	4	2	cseedy qokain	2	1	otar ol	2	1
cseedy qokeey	4	2	cseedy qokar	2	1	qodaiin ctey	2	1
d r	4	1	cseedy qoky	2	1	qokaiin olkeedy	2	1
o l	4	1	cseey kar	2	1	qokain ceectey	2	1
ol ceedy	4	2	cseo ceol	2	1	qokain cseckey	2	1
ol cseey	4	2	cseol ceol	2	1	qokain cseedy	2	1
qokain ceedy	4	2	ctey dy	2	1	qokain ol	2	1
qokal cseedy	4	2	daiin ceckey	2	1	qokal daiin	2	1
qoky pceedy	4	2	daiin ceey	2	1	qokal dar	2	1
r aiin	4	2	daiin cseody	2	1	qokal qokaiin	2	1
s aiin	4	2	dain ol	2	1	qokar okar	2	1
aiin al	3	1	dal lceedy	2	1	qokedy cseedy	2	1
qokaiin cseedy	3	1	dar ceedy	2	1	qokedy lceedy	2	1
qokain ceckey	3	1	dar cseedy	2	1	qokeedy lol	2	1
qokal ceedy	3	1	dor ceol	2	1	qokeedy qokal	2	1
qokar cseedy	3	1	l r	2	1	qokeey ceey	2	1
aiin okaiin	2	1	lcseey qol	2	1	qokeey daiin	2	1
ar aiin	2	1	o aiin	2	1	qokeey okain	2	1
ar ol	2	1	okain ceey	2	1	qokol ceedy	2	1
ar otar	2	1	okal ceedy	2	1	qokol ceol	2	1
ceckey daiin	2	1	okar ar	2	1	qoky daiin	2	1
cectey qokeedy	2	1	okar cedy	2	1	qol ceey	2	1
ceedy okedy	2	1	okees al	2	1	r al	2	1
ceedy ol	2	1	oky y	2	1	s ceol	2	1
ceedy qokal	2	1	ol ar	2	1	s cey	2	1
ceeor ceey	2	1	ol ceeol	2	1	s y	2	1
ceey qokain	2	1	ol ceor	2	1	sol cseedy	2	1
ceey qokey	2	1	ol daiin	2	1	sor ol	2	1
			ol kedy	2	1	tar aiin	2	1

Table 10.5: Counts of Missing Members for Spanning Pairs of Length 2 (= 0)

1st Digraph in the Following Word	Word Initiator Score	Document Counts of the 1st Digraph in the Following Word	Document Counts of the Last Digraph in the Prior Word	Missing Member Count
ce	0.31616	11052	72	3
cs	0.51818	4611	77	3
qo	0.77875	5292	163	4
da	0.29895	4176	164	6
ok	0.18969	6230	244	7
ot	0.39476	3960	325	8
yc	0.70241	378	490	12
yk	0.61280	755	487	13
sa	0.45321	678	1102	15
so	0.55229	430	706	15

Last Digraph in the Preceding Word	Terminator Score (Words)	Document Counts of the Last Digraph in the Prior Word	Document Counts of the 1st Digraph in the Next Word	Missing Member Count
dy	0.77449	6676	161	4
ey	0.74596	6407	190	6
in	0.76003	6057	489	8
ol	0.32928	5212	264	8
or	0.50116	2487	708	15
al	0.35980	2908	852	15
ar	0.49931	2978	778	15
am	0.65048	707	2440	22
ky	0.64835	749	1696	22
ly	0.69977	521	2113	26
es	0.46287	571	3472	29

op	0.44618	624	935	15
dc	0.62579	525	689	15
ct	0.30263	996	644	16
yt	0.62997	615	750	16
lo	0.03672	596	1055	18
oc	0.12526	723	1130	20
lk	0.19543	1092	1414	21
ck	0.03172	973	1789	21
kc	0.04430	1344	1684	21
tc	0.09790	1217	2340	21
oa	0.03571	292	2056	22
sc	0.58309	123	2779	22
oe	0.13468	629	1808	22
ra	0.03377	747	3179	23
lc	0.25276	1024	2190	23
do	0.33722	551	2042	23
pc	0.18121	848	2994	23
yp	0.65110	95	3356	26
cp	0.38683	232	3450	26
fc	0.16447	223	3975	28
de	0.12844	133	5695	28
of	0.40989	173	4210	28
po	0.40708	274	4602	29
qc	0.79959	23	6101	29
cf	0.19206	92	4438	30
yo	0.46632	45	6408	30
yd	0.09223	188	7357	30
ya	0.34477	23	13688	32
qe	0.75722	63	7928	32
lp	0.24693	40	10442	32
lt	0.12972	107	19111	33
oq	0.71349	23	8008	33
qk	0.74167	20	11638	34
rc	0.21533	179	16793	34
dk	0.44859	33	9248	34
dl	0.02870	63	16669	34
lf	0.05790	40	17662	34
sk	0.50750	20	10958	34
yf	0.52407	28	15555	34
yr	0.11369	20	16083	34
yl	0.10005	43	23005	35
dd	0.15167	25	29166	35
ak	0.11875	37	14390	35
fo	0.11077	74	20627	36
ac	0.13493	61	22261	36
rk	0.16702	20	20700	37
td	0.03811	23	25205	37
cB	0.34989	21	31798	38
pd	0.26634	32	32938	39

os	0.51727	518	5496	29
ty	0.56245	481	2672	29
ir	0.53578	793	6002	30
ry	0.67919	286	3569	32
om	0.68434	179	8218	36
oy	0.53332	142	7336	36
ls	0.43986	157	9116	38
py	0.38312	73	11945	40
an	0.65276	121	9578	40
sy	0.64154	95	10831	42
im	0.64110	67	11367	43
as	0.39537	129	12169	44
eg	0.49057	44	11086	44
el	0.30199	79	15349	46
dl	0.20330	63	22293	46
fy	0.50114	31	21953	49
ll	0.21319	53	14549	49
ys	0.41676	40	21354	49
er	0.49589	58	20244	50
is	0.51027	61	16286	51
kl	0.36554	35	27049	51
lr	0.29863	26	21993	51
ny	0.76668	28	27271	52
yr	0.36369	20	35047	52
sd	0.19841	30	32209	53
ay	0.62880	21	21809	54
yl	0.14656	43	31843	54
ag	0.64762	22	47047	57
no	0.17033	27	37726	57

Table 10.6: Top 100 Most Interesting Absent Spanning Combinations

Rank	Polygraph		Sequence	Polygraph Count s		Word-Level Scores		Spanning	
	1	2		1	2	Initiator	Terminator	Probability Difference	Score
1	qo	er	er qo	5292	58	0.77875	0.49589	-0.16448	0.23487
2	sa	os	os sa	678	518	0.45321	0.51727	-0.01407	0.19003
3	qo	yl	yl qo	5292	43	0.77875	0.14656	-0.16448	0.05132
4	ce	ag	ag ce	11052	22	0.31616	0.64762	-0.17604	0.05011
5	ot	el	el ot	3960	79	0.39476	0.30199	-0.06939	0.04203
6	yt	sy	sy yt	615	95	0.62997	0.64154	-0.01452	0.04059
7	qo	no	no qo	5292	27	0.77875	0.17033	-0.16448	0.03733
8	yc	sy	sy yc	378	95	0.70241	0.64154	-0.00910	0.03072
9	lc	om	om lc	1024	179	0.25276	0.68434	-0.01335	0.03062
10	ot	ys	ys ot	3960	40	0.39476	0.41676	-0.06939	0.02908
11	op	oy	oy op	624	142	0.44618	0.53332	-0.01088	0.02846
12	ot	fy	fy ot	3960	31	0.39476	0.50114	-0.06939	0.02704
13	ce	yr	yr ce	11052	20	0.31616	0.36369	-0.17604	0.02557
14	ot	ag	ag ot	3960	22	0.39476	0.64762	-0.06939	0.02474
15	so	as	as so	430	129	0.55229	0.39537	-0.00984	0.02273
16	da	ys	ys da	4176	40	0.29895	0.41676	-0.06933	0.02199
17	op	sy	sy op	624	95	0.44618	0.64154	-0.01088	0.02150
18	yk	er	er yk	755	58	0.61280	0.49589	-0.01715	0.02053
19	da	fy	fy da	4176	31	0.29895	0.50114	-0.06933	0.02045
20	do	oy	oy do	551	142	0.33722	0.53332	-0.01004	0.02033
21	oe	ty	ty oe	629	481	0.13468	0.56245	-0.00484	0.01962
22	op	as	as op	624	129	0.44618	0.39537	-0.01088	0.01884
23	lc	an	an lc	1024	121	0.25276	0.65276	-0.01335	0.01879
24	da	ag	ag da	4176	22	0.29895	0.64762	-0.06933	0.01872
25	lc	oy	oy lc	1024	142	0.25276	0.53332	-0.01335	0.01835
26	ok	ny	ny ok	6230	28	0.18969	0.76668	-0.07056	0.01820
27	yt	er	er yt	615	58	0.62997	0.49589	-0.01452	0.01815
28	da	ay	ay da	4176	21	0.29895	0.62880	-0.06933	0.01734
29	yt	el	el yt	615	79	0.62997	0.30199	-0.01452	0.01553
30	yk	ny	ny yk	755	28	0.61280	0.76668	-0.01715	0.01475
31	of	om	om of	173	179	0.40989	0.68434	-0.00227	0.01368
32	do	as	as do	551	129	0.33722	0.39537	-0.01004	0.01343
33	yt	eg	eg yt	615	44	0.62997	0.49057	-0.01452	0.01334

34	yt	ny	ny yt	615	28	0.62997	0.76668	-0.01452	0.01294
35	ot	yr	yr ot	3960	20	0.39476	0.36369	-0.06939	0.01262
36	sa	py	py sa	678	73	0.45321	0.38312	-0.01407	0.01245
37	lc	as	as lc	1024	129	0.25276	0.39537	-0.01335	0.01222
38	ok	ag	ag ok	6230	22	0.18969	0.64762	-0.07056	0.01206
39	oe	ry	ry oe	629	286	0.13468	0.67919	-0.00484	0.01161
40	yp	sy	sy yp	95	95	0.65110	0.64154	-0.00224	0.01121
41	so	py	py so	430	73	0.55229	0.38312	-0.00984	0.01121
42	so	er	er so	430	58	0.55229	0.49589	-0.00984	0.01119
43	of	ry	ry of	173	286	0.40989	0.67919	-0.00227	0.01108
44	ot	yl	yl ot	3960	43	0.39476	0.14656	-0.06939	0.01100
45	po	ly	ly po	274	521	0.40708	0.69977	-0.00143	0.01073
46	sa	el	el sa	678	79	0.45321	0.30199	-0.01407	0.01070
47	yp	an	an yp	95	121	0.65110	0.65276	-0.00224	0.01018
48	yk	ag	ag yk	755	22	0.61280	0.64762	-0.01715	0.00971
49	yc	eg	eg yc	378	44	0.70241	0.49057	-0.00910	0.00970
50	op	er	er op	624	58	0.44618	0.49589	-0.01088	0.00962
51	da	yr	yr da	4176	20	0.29895	0.36369	-0.06933	0.00955
52	of	ly	ly of	173	521	0.40989	0.69977	-0.00227	0.00947
53	yc	ny	ny yc	378	28	0.70241	0.76668	-0.00910	0.00929
54	yk	ay	ay yk	755	21	0.61280	0.62880	-0.01715	0.00899
55	po	ky	ky po	274	749	0.40708	0.64835	-0.00143	0.00890
56	po	ty	ty po	274	481	0.40708	0.56245	-0.00143	0.00887
57	of	am	am of	173	707	0.40989	0.65048	-0.00227	0.00823
58	op	el	el op	624	79	0.44618	0.30199	-0.01088	0.00823
59	of	ky	ky of	173	749	0.40989	0.64835	-0.00227	0.00811
60	ot	no	no ot	3960	27	0.39476	0.17033	-0.06939	0.00799
61	yp	ry	ry yp	95	286	0.65110	0.67919	-0.00224	0.00791
62	of	an	an of	173	121	0.40989	0.65276	-0.00227	0.00789
63	yt	ay	ay yt	615	21	0.62997	0.62880	-0.01452	0.00787
64	yp	oy	oy yp	95	142	0.65110	0.53332	-0.00224	0.00778
65	po	om	om po	274	179	0.40708	0.68434	-0.00143	0.00743
66	yc	ys	ys yc	378	40	0.70241	0.41676	-0.00910	0.00742
67	of	os	os of	173	518	0.40989	0.51727	-0.00227	0.00701
68	po	es	es po	274	571	0.40708	0.46287	-0.00143	0.00688
69	op	ny	ny op	624	28	0.44618	0.76668	-0.01088	0.00686
70	do	er	er do	551	58	0.33722	0.49589	-0.01004	0.00678
71	do	py	py do	551	73	0.33722	0.38312	-0.01004	0.00676
72	sa	fy	fy sa	678	31	0.45321	0.50114	-0.01407	0.00653
73	lc	er	er lc	1024	58	0.25276	0.49589	-0.01335	0.00646
74	yp	am	am yp	95	707	0.65110	0.65048	-0.00224	0.00645
75	so	ys	ys so	430	40	0.55229	0.41676	-0.00984	0.00624
76	yc	ag	ag yc	378	22	0.70241	0.64762	-0.00910	0.00607
77	qe	sy	sy qe	63	95	0.75722	0.64154	-0.00188	0.00604
78	yp	as	as yp	95	129	0.65110	0.39537	-0.00224	0.00600
79	ra	es	es ra	747	571	0.03377	0.46287	-0.00598	0.00593
80	sa	ag	ag sa	678	22	0.45321	0.64762	-0.01407	0.00591
81	yp	ty	ty yp	95	481	0.65110	0.56245	-0.00224	0.00588
82	do	el	el do	551	79	0.33722	0.30199	-0.01004	0.00582
83	ra	os	os ra	747	518	0.03377	0.51727	-0.00598	0.00577
84	so	fy	fy so	430	31	0.55229	0.50114	-0.00984	0.00571
85	qe	an	an qe	63	121	0.75722	0.65276	-0.00188	0.00562
86	yc	ay	ay yc	378	21	0.70241	0.62880	-0.00910	0.00561
87	of	sy	sy of	173	95	0.40989	0.64154	-0.00227	0.00554
88	sa	ay	ay sa	678	21	0.45321	0.62880	-0.01407	0.00547
89	ok	yl	yl ok	6230	43	0.18969	0.14656	-0.07056	0.00535
90	yp	os	os yp	95	518	0.65110	0.51727	-0.00224	0.00535
91	qe	om	om qe	63	179	0.75722	0.68434	-0.00188	0.00524
92	of	as	as of	173	129	0.40989	0.39537	-0.00227	0.00523
93	so	ag	ag so	430	22	0.55229	0.64762	-0.00984	0.00513
94	do	eg	eg do	551	44	0.33722	0.49057	-0.01004	0.00497
95	qe	er	er qe	63	58	0.75722	0.49589	-0.00188	0.00497
96	yk	yr	yr yk	755	20	0.61280	0.36369	-0.01715	0.00494
97	do	ny	ny do	551	28	0.33722	0.76668	-0.01004	0.00481
98	lc	eg	eg lc	1024	44	0.25276	0.49057	-0.01335	0.00479
99	so	ay	ay so	430	21	0.55229	0.62880	-0.00984	0.00474
100	qe	ry	ry qe	63	286	0.75722	0.67919	-0.00188	0.00469

Table 10.7: Spanning Counts among Identical Pairs of Selected Symbols

Symbol	Sequence	Conditional Probability	Expected Probability	Spanning Count	Symbol	Sequence	Conditional Probability	Expected Probability	Spanning Count
y	y y	0.00039	0.10281	361	i	i i	0.40264	0.06838	0
l	l l	0.00496	0.06157	147	j	j j	0	0.00003	0
o	o o	0.00336	0.15072	105	k	k k	0	0.06388	0
d	d d	0.00196	0.07615	39	f	f f	0	0.00307	0
s	s s	0.00093	0.04328	26	c	c c	0.00033	0.10362	0
r	r r	0	0.04400	18	t	t t	0	0.04049	0
a	a a	0.00006	0.08451	4	p	p p	0	0.00975	0
e	e e	0.35105	0.21982	3	q	q q	0	0.03135	0
g	g g	0.00671	0.00087	1	m	m m	0	0.00638	0
					n	n n	0	0.03571	0

Table 10.8: Spanning Counts among Heterogeneous Pairs of Selected Symbols

Symbols		Sequence	Conditional Probabilities		Expected Probability	Symbols		Sequence	Conditional Probabilities		Expected Probability
1	2		1	2		1	2		1	2	
a	e	a e	0.00102	0.08325	0.21982	k	f	k f	0	0	0.00307
a	f	a f	0.00027	0.00627	0.00307	k	m	k m	0	0	0.00638
a	g	a g	0.00156	0.00068	0.00087	k	p	k p	0	0.00009	0.00975
a	m	a m	0.05405	0.00068	0.00638	k	s	k s	0.00099	0.00180	0.04328
a	p	a p	0.00040	0.01426	0.00975	k	t	k t	0	0.00009	0.04049
a	s	a s	0.00907	0.04640	0.04328	m	f	m f	0	0	0.00307
a	t	a t	0.00088	0.10857	0.04049	m	g	m g	0.00270	0	0.00087
d	e	d e	0.00999	0.47005	0.21982	o	m	o m	0.00773	0.00053	0.00638
d	g	d g	0.00083	0.00015	0.00087	p	e	p e	0.12861	0.06843	0.21982
d	m	d m	0.00045	0.00060	0.00638	p	f	p f	0	0	0.00307
e	g	e g	0.00112	0.00007	0.00087	p	g	p g	0	0	0.00087
e	m	e m	0.00036	0	0.00638	p	k	p k	0.00058	0	0.06388
e	p	e p	0.00304	0.00571	0.00975	p	l	p l	0	0.02359	0.06157
f	d	f d	0.00941	0.00188	0.07615	p	m	p m	0	0	0.00638
f	e	f e	0.15254	0.11299	0.21982	p	q	p q	0	0.00117	0.03135
f	g	f g	0	0	0.00087	p	r	p r	0	0.00117	0.04400
f	k	f k	0	0	0.06388	p	s	p s	0.00117	0.00117	0.04328
f	l	f l	0	0.07532	0.06157	p	t	p t	0	0	0.04049
f	m	f m	0	0	0.00638	s	m	s m	0.00040	0.00013	0.00638
f	o	f o	0.13935	0.32580	0.15072	t	e	t e	0.39450	0.04616	0.21982
f	r	f r	0	0.00564	0.04400	t	f	t f	0	0	0.00307
f	t	f t	0	0	0.04049	t	g	t g	0.00014	0	0.00087
g	e	g e	0.02013	0.28859	0.21982	t	k	t k	0.00014	0	0.06388
g	k	g k	0	0.00671	0.06388	t	m	t m	0	0	0.00638
g	l	g l	0.01342	0.13422	0.06157	t	p	t p	0	0	0.00975
						t	s	t s	0.00071	0.00014	0.04328

Table 10.9: Top 20 Spanning Adfix Pairs across 2 Words for Each Combination Type

1st Word Adfix	2nd Word Adfix	Group Count	%	1st Word Adfix	2nd Word Adfix	Group Count	%
1st Word Prefix + 2nd Word Prefix				**1st Word Prefix + 2nd Word Suffix**			
ce	ce	1036	3.497	qo	dy	1196	4.038
qo	qo	999	3.372	ce	in	1004	3.389
qo	ce	982	3.315	ce	ey	945	3.190
cs	qo	902	3.045	qo	ey	890	3.005
ce	qo	834	2.815	ce	dy	817	2.758
qo	cs	503	1.698	qo	in	771	2.603
ce	da	423	1.428	cs	dy	649	2.191
ok	ce	403	1.360	cs	ey	583	1.968
da	ce	393	1.327	cs	in	502	1.695
cs	ce	350	1.182	ce	ol	477	1.610
ce	ok	344	1.161	ok	dy	457	1.543
qo	ok	343	1.158	qo	ol	440	1.485
ce	cs	341	1.151	ot	dy	382	1.290
ce	ot	329	1.111	da	ey	353	1.192
cs	cs	325	1.097	ok	ey	352	1.188
ot	ce	316	1.067	ce	ar	349	1.178
qo	ot	315	1.063	ot	in	343	1.158
ok	qo	294	0.993	ok	in	331	1.117
qo	da	277	0.935	da	dy	310	1.047
ot	ot	271	0.915	cs	ol	305	1.030
1st Word Suffix + 2nd Word Prefix				**1st Word Suffix + 2nd Word Suffix**			
dy	qo	1959	6.613	dy	dy	1834	6.191
ey	qo	1338	4.517	ey	ey	1270	4.287
in	ce	1306	4.409	in	ey	1083	3.656
dy	ce	751	2.535	ey	in	1049	3.541
in	cs	713	2.407	dy	ey	933	3.150
ey	ce	667	2.252	ey	dy	895	3.021
ol	ce	616	2.080	in	in	888	2.998
in	ok	479	1.617	dy	in	843	2.846
in	ot	478	1.614	in	dy	830	2.802
dy	ot	448	1.512	ey	ol	504	1.701
in	qo	444	1.499	ol	dy	466	1.573
ey	da	440	1.485	ol	in	457	1.543
or	ce	411	1.387	ol	ey	445	1.502
dy	ok	398	1.344	ol	ol	430	1.452
ar	ce	377	1.273	dy	ol	424	1.431
ey	ok	368	1.242	dy	ar	393	1.327
dy	cs	350	1.182	in	ol	374	1.263
ey	ot	334	1.128	ar	dy	362	1.222
ol	cs	333	1.124	al	dy	357	1.205
al	ce	301	1.016	in	ar	354	1.195

Table 10.10: Instances of Identical Consecutive Single Letters at Paragraph Ends

Symbol	Text Sequence Ending Count	Consecutive Endings	%	Symbol	Text Sequence Ending Count	Consecutive Endings	%
y	860	193	22.442	a	18	0	0
n	241	44	18.257	e	14	0	0
r	233	35	15.021	k	4	0	0
l	232	27	11.638	f	2	0	0

s	74	4	5.405	t	2	0	0
m	149	6	4.027	b	1	0	0
d	46	1	2.174	j	1	0	0
g	37	0	0	i	0	0	0
o	36	0	0	p	0	0	0

Table 10.11: Probabilities of Consecutive Single Letters at Paragraph Ends

Last Symbol	Next-to-Last Symbol	Consecutive Ending Count	Symbol Conditional Probability 2	Expected Probability	Terminator Scores		Conditional Probabilities	
					1	2	Consecutive Endings	Difference
y	n	81	0.00157	0.03571	0.68007	0.79106	0.07086	0.03514
y	r	75	0.01671	0.04400	0.68007	0.57418	0.06561	0.02161
y	l	77	0.02994	0.06157	0.68007	0.36511	0.06736	0.00579
y	g	3	0.00061	0.00087	0.68007	0.59226	0.00262	0.00174
g	j	0	0	0.00003	0.59226	0.14036	0	-0.00003
l	j	0	0	0.00003	0.36511	0.14036	0	-0.00003
m	j	0	0	0.00003	0.75919	0.14036	0	-0.00003
n	j	0	0	0.00003	0.79106	0.14036	0	-0.00003
r	j	0	0	0.00003	0.57418	0.14036	0	-0.00003
y	j	0	0.00005	0.00003	0.68007	0.14036	0	-0.00003
j	g	0	0	0.00087	0.14036	0.59226	0	-0.00087
l	g	0	0.00018	0.00087	0.36511	0.59226	0	-0.00087
m	g	0	0	0.00087	0.75919	0.59226	0	-0.00087
n	g	0	0	0.00087	0.79106	0.59226	0	-0.00087
r	g	0	0	0.00087	0.57418	0.59226	0	-0.00087
n	m	5	0	0.00638	0.79106	0.75919	0.00437	-0.00200
y	m	3	0.00050	0.00638	0.68007	0.75919	0.00262	-0.00375
r	m	1	0.00013	0.00638	0.57418	0.75919	0.00087	-0.00550
g	m	0	0.02013	0.00638	0.59226	0.75919	0	-0.00638
j	m	0	0	0.00638	0.14036	0.75919	0	-0.00638
l	m	0	0	0.00638	0.36511	0.75919	0	-0.00638
n	r	34	0.00032	0.04400	0.79106	0.57418	0.02974	-0.01425
m	n	24	0.00090	0.03571	0.75919	0.79106	0.02099	-0.01472
r	n	22	0.00013	0.03571	0.57418	0.79106	0.01924	-0.01647
l	r	26	0.00149	0.04400	0.36511	0.57418	0.02274	-0.02125
l	n	15	0.00018	0.03571	0.36511	0.79106	0.01312	-0.02259
m	r	23	0.00090	0.04400	0.75919	0.57418	0.02012	-0.02388
n	l	39	0	0.06157	0.79106	0.36511	0.03412	-0.02745
g	n	0	0.00671	0.03571	0.59226	0.79106	0	-0.03571
j	n	0	0	0.03571	0.14036	0.79106	0	-0.03571

Table 10.12: Paragraph-Spanning Symbol Combinations

Last Symbol	1st Symbol	Spanning Count	Non Spanning Count	Spanning Conditional Probability	Spanning Score
y	p	120	117	0.21778	0.975
s	p	7	6	0.01270	0.85714
l	p	17	21	0.03085	0.80952
r	p	25	19	0.04537	0.76
n	f	10	7	0.01814	0.7
n	t	30	54	0.05444	0.55555
s	t	5	13	0.00907	0.38461
n	k	13	34	0.02359	0.38235
m	k	3	9	0.00544	0.33333
r	t	13	39	0.02359	0.33333
n	p	53	15	0.09618	0.28301
m	t	14	51	0.02540	0.27450
s	k	2	9	0.00362	0.22222
m	p	24	5	0.04355	0.20833
d	k	1	5	0.00181	0.2
y	t	59	465	0.10707	0.12688
r	f	1	8	0.00181	0.125
g	c	1	9	0.00181	0.11111
y	f	4	38	0.00725	0.10526
l	t	11	121	0.01996	0.09090
g	q	1	11	0.00181	0.09090
r	k	4	52	0.00725	0.07692
o	p	1	14	0.00181	0.07142
l	f	1	15	0.00181	0.06666
o	t	2	35	0.00362	0.05714
m	y	6	126	0.01088	0.04761
d	s	1	24	0.00181	0.04166
s	s	1	28	0.00181	0.03571
s	q	2	64	0.00362	0.03125
y	k	16	527	0.02903	0.03036
m	s	3	99	0.00544	0.03030
m	q	2	80	0.00362	0.025
m	d	3	145	0.00544	0.02068
s	d	1	56	0.00181	0.01785
n	q	6	469	0.01088	0.01279
o	d	2	162	0.00362	0.01234
o	k	1	91	0.00181	0.01098
r	s	1	95	0.00181	0.01052
y	s	5	568	0.00907	0.00880
n	y	3	341	0.00544	0.00879
l	q	4	482	0.00725	0.00829
o	o	1	121	0.00181	0.00826
n	s	1	146	0.00181	0.00684
y	y	4	591	0.00725	0.00676
n	d	3	469	0.00544	0.00639
l	k	2	326	0.00362	0.00613
m	c	1	167	0.00181	0.00598
m	o	1	191	0.00181	0.00523
l	s	1	201	0.00181	0.00497
l	l	1	204	0.00181	0.00490
y	d	7	1571	0.01270	0.00445
y	q	13	3705	0.02359	0.00350
y	o	9	2895	0.01633	0.00310
l	d	2	753	0.00362	0.00265
l	o	2	1100	0.00362	0.00181
r	c	3	1900	0.00544	0.00157
l	c	3	1945	0.00544	0.00154
y	c	4	2964	0.00725	0.00134
n	o	2	1717	0.00362	0.00116
n	c	2	2284	0.00362	0.00087
High Scores but Low Counts for Both					
t	k	1	1	0.00181	1
d	p	1	1	0.00181	1
c	t	1	1	0.00181	1
d	f	1	2	0.00181	0.5
s	f	1	2	0.00181	0.5
g	f	1	3	0.00181	0.33333
m	r	1	4	0.00181	0.25

Table 10.13: Likelihood of Symbol Combinations for Consecutive Words at the Beginnings of Paragraphs

1st Symbol	2nd Symbol	Spanning Count	Non Spanning Count	All Consecutive Count	All Consecutives Share	1st Symbol	2nd Symbol	Spanning Count	Non Spanning Count	All Consecutive Count	All Consecutives Share
[fptk] + [dlrsy]						[fptk] + [fptk]					
p	l	12	5	17	0.70588	p	f	2	1	3	0.66666
p	d	24	11	35	0.68571	t	f	2	1	3	0.66666
p	s	3	5	8	0.375	f	k	2	1	3	0.66666
f	l	1	2	3	0.33333	f	t	2	1	3	0.66666
f	s	1	2	3	0.33333	p	k	17	13	30	0.56666
f	y	2	5	7	0.28571	p	p	4	6	10	0.4
p	y	5	13	18	0.27777	k	f	2	3	5	0.4
f	d	3	8	11	0.27272	p	t	3	8	11	0.27272
t	l	5	29	34	0.14705	t	k	5	27	32	0.15625
t	y	5	34	39	0.12820	t	p	1	6	7	0.14285
t	d	10	73	83	0.12048	k	p	1	10	11	0.09090
t	s	2	23	25	0.08	k	k	3	33	36	0.08333
t	r	1	12	13	0.07692	t	t	3	35	38	0.07894
k	y	3	48	51	0.05882	[fptk] + [yo]					
k	l	2	39	41	0.04878	p	o	84	52	136	0.61764
k	s	1	45	46	0.02173	f	y	2	5	7	0.28571
k	d	2	131	133	0.01503	f	o	7	18	25	0.28
[yo] + [yo]						p	y	5	13	18	0.27777
y	o	8	377	385	0.02077	t	o	35	178	213	0.16431
o	o	44	2143	2187	0.02011	t	y	5	34	39	0.12820
o	y	6	373	379	0.01583	k	y	3	48	51	0.05882
y	y	1	149	150	0.00666	k	o	11	211	222	0.04954

Table 10.14: Top 25 Longest Paragraphs When Separated by Interior [fptk] Members (early in Version #29)

Paragraph	Paragraph Type	Text Sequence Word Count	Initial [fptk] Count	Interior [fptk] Count	[fptk] %	Adjusted Words per-[fptk]
f83v #3	qo	85	0	1	1.176	85
f84r #5	[ds][ao] (Mainly [ds]ain initial)	80	0	1	1.25	80
f83v #1	[fptk][eayods]	75	1	1	1.333	75
f82r #1	qo	72	0	0	0	72
f75v #5	[fptk][eayods]	60	1	1	1.667	60
f76r #4	q[ek]	57	0	1	1.754	57
f23r #3	[fptk]c	56	1	1	1.786	56
f114r #5	[ds][ao] (Mainly [ds]ain initial)	55	0	0	0	55
f111r #1	[fptk]c	54	1	1	1.852	54
f76v #6	qo	54	0	1	1.852	54
f81r #3	[fptk][eayods]	52	1	1	1.923	52
f76r #1	[fptk][eayods]	358	1	7	1.955	51.143
f108v #7	qo	51	0	1	1.961	51
f116r #12	o[q | p | lr]	51	0	0	0	51
f108r #8	[fptk][eayods]	50	1	1	2	50
f26r #1	[fptk]c	50	1	1	2	50
f81r #1	[fptk][eayods]	50	1	1	2	50
f104v #1	[fptk]c	50	1	1	2	50
f3r #1	[fptk]c	49	1	1	2.041	49
f104v #7	[yo][tk]	48	0	1	2.083	48
f88v #3	[fptk][eayods]	48	1	1	2.083	48
f89r1 #1	qo	48	0	1	2.083	48
f90r2 #1	[fptk][eayods]	48	1	1	2.083	48
f111r #14	[ds][ao] (Mainly [ds]ain initial)	48	0	1	2.083	48
f77r #1	[fptk][eayods]	142	1	3	2.113	47.333

Table 10.15: Text Sequence Termination Rates for Selected Categories, Sans Single-Word Labels

Category	Document Word Count	Last Count	Last vs. Document Count Ratio
dam Group	127	15	0.11811
[yo][dlrs]	1680	119	0.07083
dy	350	22	0.06285
Other	3163	195	0.06165
[dlrs][ao][lr]	1786	78	0.04367
ce	5944	215	0.03617
[yo][fptk]	6811	212	0.03112
daiin Relatives	2239	62	0.02769
l[fptk]	507	14	0.02761
c[fptk]e	848	22	0.02594
[dlrsy]c	1374	29	0.02110
cse	3284	67	0.02040
Single-Symbol List	797	14	0.01756
[fptk]c	1028	15	0.01459
[fptk]a	502	6	0.01195
[fptk]o	600	7	0.01166
[ao][lr]	1557	18	0.01156
[fptk]e	575	5	0.00869
qo	5277	40	0.00758

Table 10.16: Count of Text Sequences by Initial Polygraph Type

Name	Text Sequence Count
Paragraphs	
Paragraph [fptk]c	323
Paragraph [fptk][yoa | e | ds]	315
Paragraph [ds][ao] (Mainly [ds]ain initial)	32
Paragraph qo	30
Paragraph Figure	22
Paragraph [yo][tk]	16
Paragraph c[eps]	13
Paragraph[yo | ds]c	11
Paragraph o[q | p | lr]	9
Paragraph y[opl]	3
Paragraph q[ek]	2
Paragraph Initiated by Special-Use Symbol (later changed to Paragraph [yo]d)	2
Paragraph l[ts]	2
Labels	
O-Label	627
Non-O Label	300
Label (3-5 Word Pattern)	47
O-Label or Relative	28
Long O-Label or Relative	16
2-3 Word Lunar Label	12
Definite [yo][tk] Paragraph Label	11
2-Word Star Divider	8
Likely non-[yo][tk] Paragraph Label	3
Text Ring	80
Text Ring-Like Label	26
Other	
Single-Symbol List	101

Table 10.17: The 52 Degenerate [fptk]-Prefix Clause Candidates in Version #59

Text Sequence	Phrase	Text Sequence	Phrase
Herbal Section		**Balneological Section**	
f1v Nightshade/Belladonna #2	pol ceodar	f66r Poison + Double-Gutter Key #3	csees
f3v Mugwort/Wormwood Subtype (not Vulgaris) #1	kor ceodaly ceom	f77v #3	kaiin okol
f7v Bitter/Blue Fleabane #1	tceeey	f79r #3	tal ceear
f8r Libbard's Bane Candidate #1 #1	kceoan ceoor dain	f80v #2	kol dy
f11r Tetterwort/Greater Celandine #1	kcey dy daiin	f82v #3	cel s
f13r Rhubarb #2	kcey okorory	f84v #2	kedy otol ceedy
f15r Sow Thistles #1	kol daky	**Section 5**	
f16r Hyssop (or Cannabis) #1	koiin ceoky ykair	f104r #1	cesy
f20r Viper's Bugloss #3	tceey	f104r #5	kcseedy
f21r Paper/Sun Spurge (Wartwort) or Rupturewort #1	keey dy	f104r #7	kar cseeody
f24v Daylily (Hemerocallis) #1	tcear oro	f104r #11	kceeody qotcedy
f26v Thlaspi Species #2 #2	ces ar	f105r #7	ceeesy cpeedy
f27r Bay Laurel and Hazelwort/Catsfoot #1	kcealdy	f106r #2	ceeees
f30v Spindle or Dog's Mercury #1	kceydy	f107v #3	tain cseedy
f37r Danewort (Sambucus Ebulus) #2	kor qokor daiin	f107v #4	tarairy
f42r Sorrel and Wood Sorrel #1	kary	f108r #2	cesy
f49v Liverwort (Ranunculus #4) #1	kceos ceol daiin	f108r #3	ty ody
f52v Scorpion Weed/Tail (Heliotrope) #1	kceoly	f108v #1	keedy
f93v White/Red Bryony #1	ces ckey sceeeol	f112r #5	tockey ceedy ceedam
f94r Moonwort #1	kaidy dam	f113r #1	ces aiin oteeosy
f95v1 Hollyhock #3	kceedaiin ceedaiin otain daiin	f113r #5	cer saiin ceaiiin
Cosmological Section		f113v #15	keedy
f58v #4	csees sarols	f114r #8	ksam ceodal olceedy
Pharmacological Section		f114v #12	kain ceoty
f100v Recipe Including Viper's Tongue #1	ceso solctey	f115r #5	keedor ykeceey cecedy
Section 6		f115r #13	kody qokeedy ceols
f85r1 #7	karar odeeej	f115v #1	cel oleed
		f115v #5	keey lceo ractey
		f116r #4	cel ls oleedy

Table 10.18: The Paucity of Transposed Words

Word	Mirror Image	Count of Word #1	Mirror Image Count	Imbalance/Ratio	Word	Mirror Image	Count of Word #1	Mirror Image Count	Imbalance/Ratio
dy	yd	267	3	89	ykeo	oeky	3	1	3
sar	ras	83	1	83	ral	lar	17	6	2.833
dor	rod	73	1	73	do	od	16	7	2.286
dol	lod	117	2	58.5	lor	rol	43	20	2.15
sal	las	55	1	55	yol	loy	2	1	2
or	ro	378	10	37.8	kl	lk	2	1	2
ol	lo	548	15	36.533	dold	dlod	2	1	2
ldy	ydl	26	1	26	dr	rd	2	1	2
oty	yto	116	5	23.2	rody	ydor	2	1	2
sy	ys	38	2	19	as	sa	6	4	1.5
lky	ykl	17	1	17	ok	ko	3	2	1.5
sol	los	73	5	14.6	lt	tl	1	1	1
ls	sl	10	1	10	deeety	yteeed	1	1	1
keeo	oeek	9	1	9	dky	ykd	1	1	1
deey	yeed	7	1	7	dlos	sold	1	1	1
ykeeo	oeeky	7	1	7	aky	yka	1	1	1

lr	rl	12	2	6	doty	ytod	1	1	1
yteol	loety	6	1	6	ek	ke	1	1	1
os	so	29	5	5.8	el	le	1	1	1
odl	ldo	5	1	5	fo	of	1	1	1
dl	ld	20	4	5	roees	seeor	1	1	1
dyky	ykyd	5	1	5	raly	ylar	1	1	1
ky	yk	24	5	4.8	seedy	ydees	1	1	1
ly	yl	14	3	4.667	seekey	yekees	1	1	1
ot	to	8	2	4	seey	yees	1	1	1
roly	ylor	4	1	4	soty	ytos	1	1	1
ytol	loty	13	4	3.25	oety	yteo	1	1	1
sok	kos	3	1	3	oecs	sceo	1	1	1
rorol	loror	3	1	3	oras	saro	1	1	1
oll	llo	3	1	3					

Table 10.19: Phrase Transpositions of 4 or More Words

Phrase 1	Phrase 2	Folio
ar ol ar ol	ol ar ol ar	Rosette #1 Outer Ring
cedy qokaiin csedy qokaiin	qokaiin csedy qokaiin cedy	f95r1 #1
ceedy rain ceedy csey	csey ceedy rain ceedy	f76r #1
cseedy qokeedy qotedy qokeedy	qokeedy qotedy qokeedy cseedy	f77r #1
cteaiin ceol ceol ceol	ceol ceol ceol cteaiin	f70r1 Outer Ring #2
daiin ceckey okaiin ceckey	ceckey okaiin ceckey daiin	f95r1 #2
dal ceoekeey dal ceoekeey	ceoekeey dal ceoekeey dal	
ol or cseeckeedy or	or cseeckeedy or ol	f78v #2
qokeey lkeey qokeey raiin	raiin qokeey lkeey qokeey	f82r #3

Table 10.20: Concentration of Words Participating in Phrase Reversals (Prior to the Last Round of Corrections)

Phrase Reversal Ratio Range	Document Word Count	# of Matching Phrase Reversals	Distinct Words in this Range
0	14204	0	7666
0-0.05	1266	47	43
0.05-0.1	3576	285	145
0.1-0.15	6756	876	129
0.15-0.2	8550	1523	104
0.2-0.25	3615	761	39
0.25-0.3	216	56	3
> 0.3	214	124	85

Table 10.21: Domination of c and q in the Initial Digraphs of Reversible Phrases

Initiating Polygraph	Document Word Count	Distinct Word Count	Initiating Polygraph	Document Word Count	Distinct Word Count
ce	45	17	sa	3	1
[qyodrsl]c	26	11	sk	2	1
cs	20	7	so	2	1
c[ptk]	23	4	te	3	1
qo	19	6	yo	1	1
[yo][tk]	13	8	da	2	1
tc	11	3	de	1	1
q[ek]	8	4	do	1	1
lk	6	3	dy	1	1
al	6	2	ee	1	1
lo	3	2	ek	1	1
oe	5	2	ko	1	1
ol	4	2	ai	3	1
or	3	1			

Table 10.22: The 61 Reversible Phrases Not Belonging to the Primary Low-Levenshtein Generator Statements

Reversible Phrase	Combined Count of Both Words	Reversible Phrase	Combined Count of Both Words	Reversible Phrase	Combined Count of Both Words
dy dar	585	dy dcey	294	lceedy lkeedy	160
dar dal	571	dy kcey	293	saiin ckeeo	147
dar s	565	dy tcey	288	o d	132
dy dal	514	ky dy	288	air lor	122
dy qol	415	dy yceeey	287	doleodaiin dol	118
dar am	405	dy tceey	286	dam tal	117
o dar	402	teey dy	284	am san	87
y s	393	dy ty	281	odl air	84
dar kaiin	386	daly dal	281	lkeey lkeedy	82
dy dol	381	os s	273	yceeol kaiin	79
dar kar	373	y dol	266	lkeedy lkedy	70
dal dol	367	y sar	232	lo lceey	60
dam dal	347	l y	206	ckey ckeo	45
sar dy	347	dam dair	203	tcedy dceedy	43
aim dar	328	y kar	201	ty ky	41
s o	325	kedy qol	195	dl lkl	29
dar deescedy	322	sy saiin	182	ydaiin qkoy	22
dy keedy	316	y kor	176	x k	19
kol dy	302	dceor y	175	dcseor dytory	15
qol saiin	295	dol kedy	161	rceey qctey	10
s d	295				

Table 11.1: Triple Repetitions in the Voynich Manuscript

Paragraph or Figure	Phrase
f99v #3	ol ol ol
f79r #7	
f81r #1	
f8v Comfrey #1	ceol ceol ceol
f47r Houseleek #1	
f47r Houseleek #2	
f56v Figwort (Scrophularia) #2	
f104v #8	cseeol cseeol cseeol
Rosette #3 Outer Ring Sentence #1	otody otody otody
f75r #4	qokedy qokedy qokedy
f79v #3	
f108v #12	qokeedy qokeedy qokeedy
f86v3 Jet Figure #1	ytaiin ytaiin ytaiin
f40r #2	okaiin okaiin okaiin
f89r2 #1	daiin daiin daiin

Table 11.2: The 133 Words Participating in Repetitious Phrases

Word	Counts		By Length		
	Document	Expected at l = 2	2	3	4
The [yo][tkl] Group					
okaiin	209	1	4	1	0
okain	144	1	1	0	0
okar	140	1	2	0	0
okedy	120	0	4	0	0
okeear	4	0	1	0	0
okeedy	107	0	1	0	0
okeey	176	1	4	0	0
okeol	65	0	3	0	0
okey	64	0	1	0	0
okod	5	0	1	0	0
okody	21	0	1	0	0
okolaiin	2	0	1	0	0
oky	103	0	1	0	0
olal	8	0	1	0	0
olkain	32	0	1	0	0
olkedy	27	0	1	0	0
otaiin	152	0	3	0	0
otain	97	0	3	0	0
otair	22	0	1	0	0
otal	143	1	2	0	0
otam	47	0	1	0	0
otar	145	1	1	0	0
otceey	31	0	1	0	0
otceor	18	0	1	0	0
otedy	163	1	1	0	0
oteedy	102	0	1	0	0
oteey	139	1	2	0	0
otody	22	0	1	1	0
oty	116	0	1	0	0
ykaiin	45	0	1	0	0
ykceey	6	0	1	0	0
ykeey	60	0	1	0	0
ykeol	13	0	1	0	0
ytaiin	43	0	1	1	0
ytedy	23	0	1	0	0
yty	24	0	1	0	0
Other					
oedas	2	0	1	0	0
eedy	6	0	1	0	0

Word	Counts		By Length		
	Document	Expected at l = 2	2	3	4
The qo-group					
qoekol	2	0	1	0	0
qokaiin	262	2	2	0	0
qokain	280	2	3	0	0
qokal	192	1	3	0	0
qokcedy	56	0	2	0	0
qokceedy	39	0	1	0	0
qokceey	30	0	1	0	0
qokcey	69	0	1	0	0
qokedy	275	2	9	2	1
qokeedy	304	2	17	1	0
qokeey	306	2	12	0	0
qokeody	32	0	1	0	0
qokey	109	0	1	0	0
qokol	104	0	2	0	0
qoky	146	1	1	0	0
qol	151	1	5	0	0
qopceedy	32	0	2	0	0
qotceeo	4	0	1	0	0
qotedy	92	0	4	0	0
qoteedy	74	0	2	0	0
qotol	47	0	1	0	0
qoty	87	0	1	0	0
Possible Connectives					
al	266	2	4	0	0
ar	365	3	10	0	0
ol	549	8	7	1	0
or	377	4	6	0	0
s	244	2	1	0	0
The daiin + *aiir* Group					
daiin	858	19	15	1	0
dain	209	1	2	0	0
ain	88	0	2	0	0
aiin	475	6	1	0	0
saiin	144	1	1	0	0
aiir	25	0	1	0	0
dair	106	0	1	0	0
d-Initial + [dkr][ao]l					
kal	23	0	1	0	0
rol	20	0	1	0	0
dol	117	0	1	0	0
dal	250	2	1	0	0
dam	97	0	1	0	0
dar	321	3	4	0	0
dy	264	2	8	0	0

Word	Counts		By Length		
	Document	Expected at l = 2	2	3	4
c[se]					
ceaiin	45	0	1	0	0
ceal	47	0	1	0	0
ceam	20	0	1	0	0
cedy	150	1	3	0	0
ceear	51	0	1	0	0
ceedy	499	6	11	0	0
ceekaiin	8	0	1	0	0
ceeol	169	1	1	0	0
ceo	68	0	1	0	0
ceoky	38	0	1	0	0
ceol	394	4	16	2	0
ceor	216	1	6	0	0
cey	155	1	2	0	0
csear	33	0	2	0	0
cseckeedy	6	0	1	0	0
cseedy	429	5	6	0	0
cseeky	38	0	1	0	0
cseeol	112	0	1	1	0
cseo	131	1	3	0	0
cseol	189	1	1	0	0
cseor	98	0	3	0	0
csey	105	0	1	0	0
The c[tk] Group					
ckeey	34	0	2	0	0
cteaiin	15	0	1	0	0
ctear	20	0	2	0	0
cteol	60	0	1	0	0
ctey	112	0	1	0	0
The [tkdly]c | *lke* Group					
dceor	26	0	1	0	0
kcey	29	0	1	0	0
lceedy	119	0	2	0	0
lceeedy	9	0	1	0	0
lcseedy	42	0	1	0	0
lcseey	18	0	1	0	0
lkedy	29	0	1	0	0
lkeedy	41	0	1	0	0
lkeey	41	0	1	0	0
kedy	44	0	1	0	0
keey	44	0	1	0	0

Table 11.3: Levenshtein Distance Scores for Key Manuscript Levels

Object	Word Count	Cumulative Levenshtein Distance	Levenshtein Word Count Ratio	Levenshtein Score	Document Score Difference
Document					
	38486	150513	-2.91085	0.29301	0
Section					
4 (Pharmacological)	14029	55924	-2.98631	0.30608	0.01307
1 (Herbal)	11771	45518	-2.86696	0.30532	0.01230
3 (Balneological)	6886	28179	-3.09221	0.28665	-0.00635
0 (Front/Backmatter)	199	819	-3.11557	0.27224	-0.02077
2 (Cosmological)	5601	20073	-2.58382	0.24294	-0.05006
Bulleted Lists					
Yes	11474	46562	-3.05804	0.31303	0.02001
No	27012	103951	-2.84832	0.28451	-0.00850

Table 11.4: Extremes of > 0.2 or < 0.1 in the Levenshtein Score Ranks by Folio

Section	Folio	Word Count	Cumulative Levenshtein Distance	Levenshtein Word Count Ratio	Levenshtein Score	Document Score Difference
> 0.2						
1	f41r	98	437	-3.45918	0.26735	0.11704
1	f27v	58	247	-3.25862	0.25035	0.10004
1	f51r	97	445	-3.58762	0.24132	0.09101
1	f38r	41	173	-3.21951	0.22023	0.06992
1	f56r	99	451	-3.55555	0.21498	0.06467
1	f35v	86	386	-3.48837	0.21406	0.06375
1	f21v	56	257	-3.58928	0.21145	0.06114
1	f42r	149	659	-3.42281	0.21055	0.06024
1	f8v	119	531	-3.46218	0.20942	0.05911
1	f57r	87	444	-4.10344	0.20830	0.05799
1	f96r	86	428	-3.97674	0.20752	0.05721
1	f4v	83	396	-3.77108	0.20613	0.05582
1	f90v1	96	481	-4.01041	0.20574	0.05543
1	f93v	88	438	-3.97727	0.20483	0.05452
1	f49r	114	536	-3.70175	0.20317	0.05286
1	f53v	74	376	-4.08108	0.20314	0.05283
4	f108r	491	2291	-3.66598	0.20264	0.05233
< 0.1						
2	f67v2	62	203	-2.27419	0.09940	-0.05090
2	f69r	164	542	-2.30487	0.09939	-0.05091
2	f73v Sagittarius	96	337	-2.51041	0.09660	-0.05370
2	f72r2 Gemini	111	379	-2.41441	0.09351	-0.05679
2	f72v3 Leo	121	371	-2.06611	0.09320	-0.05710
2	f72v1 Libra	102	352	-2.45098	0.08793	-0.06236
2	f57v	194	454	-1.34020	0.04377	-0.10653
5	f116v	2	6	-2.00000	0.00000	-0.15030

Table 11.5: Levenshtein Distances by Folio

Section	Page ID	Folio	Word Count	Cumulative Levenshtein Distance	Levenshtein Word Count Ratio	Levenshtein Score	Document Score Difference
>= 0.35							
1	54	f27v	58	168	-1.89655	0.50132	0.20830
1	81	f41r	98	345	-2.52040	0.42004	0.12703
1	111	f56r	99	338	-2.41414	0.40215	0.10914
1	49	f25r	48	163	-2.39583	0.40042	0.10740
1	39	f20r	85	326	-2.83529	0.38398	0.09096
1	70	f35v	86	299	-2.47674	0.37978	0.08677
1	101	f51r	97	369	-2.80412	0.37963	0.08662
1	113	f57r	87	341	-2.91954	0.37905	0.08604
1	212	f96r	86	329	-2.82558	0.37755	0.08453
1	83	f42r	149	521	-2.49664	0.37661	0.08359
1	59	f30r	94	350	-2.72340	0.37446	0.08145
1	57	f29r	65	216	-2.32307	0.37357	0.08055
1	13	f7r	62	235	-2.79032	0.37024	0.07722
1	8	f4v	83	312	-2.75903	0.36746	0.07445
1	205	f93v	88	361	-3.10227	0.36625	0.07324
1	16	f8v	119	420	-2.52941	0.36550	0.07249
4	240	f108r	491	1788	-2.64154	0.36375	0.07074
1	130	f65v	116	438	-2.77586	0.35975	0.06673
4	246	f111r	615	2358	-2.83414	0.35463	0.06162
4	241	f108v	558	2144	-2.84229	0.35385	0.06084
1	87	f44r	75	270	-2.60000	0.35220	0.05919
1	97	f49r	114	427	-2.74561	0.35144	0.05842
1	75	f38r	41	141	-2.43902	0.35130	0.05829
1	9	f5r	56	206	-2.67857	0.35020	0.05719
< 0.23							
2	150	f71v Taurus Light	101	358	-2.54455	0.22888	-0.06412
3	171	f80r	442	1973	-3.46380	0.22829	-0.06471
2	153	f72r3 Cancer	165	574	-2.47878	0.22510	-0.06791
2	147	f70v2 Pisces	140	435	-2.10714	0.22393	-0.06907
2	185	f85v2 The Rosette Folio	538	1655	-2.07620	0.22287	-0.07013
2	144	f69v 28 Lunar Mansions	136	387	-1.84558	0.22111	-0.07190
2	158	f73v Sagittarius	96	265	-1.76041	0.21659	-0.07642
2	148	f70v1 Aries Dark	84	314	-2.73809	0.21576	-0.07724
4	192	f89r1	143	589	-3.11888	0.20832	-0.08468
1	45	f23r	105	433	-3.12380	0.20799	-0.08502
4	194	f89v2	176	692	-2.93181	0.20720	-0.08580
2	134	f67r2 Lunaria/Zodiac	176	550	-2.12500	0.20592	-0.08708
2	154	f72v3 Leo	121	414	-2.42148	0.20162	-0.09139
2	145	f70r1	112	435	-2.88392	0.19464	-0.09837
2	137	f68r1	65	145	-1.23076	0.19264	-0.10036
2	157	f73r Scorpio	96	288	-2.00000	0.19128	-0.10173
1	73	f37r	77	335	-3.35064	0.19114	-0.10187
2	143	f69r	164	463	-1.82317	0.18828	-0.10472
2	136	f67v1	71	187	-1.63380	0.18218	-0.11083
2	152	f72r2 Gemini	111	334	-2.00900	0.17998	-0.11302
2	135	f67v2	62	182	-1.93548	0.17177	-0.12123
2	156	f72v1 Libra	102	340	-2.33333	0.17055	-0.12245
1	129	f65r	2	7	-2.50000	0.11111	-0.18190
2	114	f57v	194	597	-2.07731	0.06721	-0.22579
5	257	f116v	2	6	-2.00000	0.00000	-0.29301

Table 11.6: Variants within 1 Letter of *daiin*

Word	Count	Word	Count	Word	Count	Word	Count
aiidy	2	daiir	23	dkain	2	odain	19
aiiin	48	daiiy	1	doaiin	3	paiin	8
aiin	472	dain	209	doiin	20	pdaiin	3
aiinod	1	daind	1	dyaiin	1	qaiin	2
aiiny	4	daing	1	eaiin	1	raiin	75
ariin	2	dainl	1	gaiin	1	saiin	144
daiiin	22	dairin	3	kaiin	65	taiin	44
daiil	1	daisin	1	laiin	13	tdaiin	1
daiim	4	daisn	1	ldaiin	3	tdain	2
daiina	1	dariin	1	ldain	2	yaiin	6
daiino	1	deaiin	1	oaiin	26	ydaiin	21
daiiny	2	diiin	1	odaiin	60	ydain	5

Table 11.7: The 77 Hyperpyramids Defined by the Conditional Probabilities of Preceding and Following Words

Cluster ID	Definition	Member Count	Point Count	Perimeter	Line Count	Mean Perimeter per Line
107	otar, okar, otal, okal, okain, otain, dar, ol, okaiin, qokaiin	10	55	32.56143	1485	0.02192
164	okain, qokain, qokaiin, qokar, qokal, qokedy, qokeedy, qokeey, qokey, lceedy	10	55	31.79994	1485	0.02141
431	ceey, ceedy, cseedy, cseey, ol, cedy, cseeey, ceeey, ceckey, qokeey	10	55	32.32497	1485	0.02176
392	ceedy, cseedy, ceey, cseey, ol, cedy, cseeey, ceeey, ceckey	9	45	25.54913	990	0.02580
421	okar, otar, otal, okal, okain, otain, dar, ol, okaiin	9	45	25.98830	990	0.02625
473	oteedy, qokeedy, qokedy, qokeey, ceedy, cseedy, lceedy, okedy, otedy	9	45	25.28613	990	0.02554
319	cseedy, ceedy, ceey, cseey, ol, cedy, cseeey, ceeey, ceckey	9	45	25.54913	990	0.02580
322	cteol, ceol, ceor, daiin, dain, ol, dar, or, dal	9	45	26.60901	990	0.02687
325	otal, okar, otar, okal, okain, otain, dar, ol, okaiin	9	45	25.98830	990	0.02625
395	ceeol, ol, ceey, ceedy, cseedy, cseey, cedy, cseeey, ceeey	9	45	25.62511	990	0.02588
290	otaiin, okaiin, otain, okar, otal, otar, dar, okal, okain	9	45	26.22033	990	0.02648
36	qoky, qokedy, qokeedy, qokeey, qokey, lceedy, qokain, qokaiin	8	36	19.50616	630	0.03096
484	okeey, qokeey, qokeedy, qokedy, ceedy, cseedy, lceedy, qokey	8	36	19.47205	630	0.03090
433	ain, ar, or, ol, al, aiin, dar, y	8	36	20.29112	630	0.03220
496	qol, qokain, qokaiin, qokal, qokar, qokedy, qokeedy, qokeey	8	36	19.27663	630	0.03059
492	oteey, qokeey, qokeedy, qokedy, ceedy, cseedy, otedy, qokal	8	36	19.61834	630	0.03114
485	okedy, qokedy, qokeedy, qokeey, ceedy, cseedy, lceedy	7	28	14.31829	378	0.03787
472	qokey, qokeey, qokeedy, qokedy, lceedy, qokain, qokaiin	7	28	14.32900	378	0.03790
352	cseey, ceey, ceedy, cseedy, ol, cedy, cseeey	7	28	14.44774	378	0.03822
349	qokedy, qokeedy, qokeey, qokey, lceedy, qokain, qokaiin	7	28	14.32900	378	0.03790
360	lceedy, qokeedy, qokedy, qokeey, qokey, qokain, qokaiin	7	28	14.32900	378	0.03790
2	qotedy, qokedy, qokeedy, qokeey, qokey, lceedy, qokain	7	28	14.68312	378	0.03884
52	y, ol, or, ar, al, aiin, dar	7	28	15.00513	378	0.03969
84	cedy, ceedy, cseedy, ceey, cseey, ol, cseeey	7	28	14.44774	378	0.03822
133	qokeedy, qokedy, qokeey, qokey, lceedy, qokain, qokaiin	7	28	14.32900	378	0.03790
139	cectey, otal, okar, cedy, ceedy, cseedy, ceey	7	28	14.99850	378	0.03967
240	otain, okain, qokain, qokaiin, qokar, qokal, qol	7	28	14.79292	378	0.03913
305	qoteedy, qokeedy, qokedy, qokeey, qokey, lceedy	6	21	10.24418	210	0.04878
188	dain, daiin, ceol, ceor, ol, dar	6	21	10.54783	210	0.05022
224	daiin, ceol, ceor, ol, dain, dar	6	21	10.54783	210	0.05022
157	qokeey, qokeedy, qokedy, qokey, lceedy, qokain	6	21	10.17973	210	0.04847
90	oky, ceol, daiin, ceor, dain, ol	6	21	10.82592	210	0.05155
118	al, ol, or, ar, dar, aiin	6	21	10.53450	210	0.05016
502	cseo, ceol, ceor, daiin, dain, ol	6	21	10.97417	210	0.05225
363	aiin, ar, or, ol, al	5	15	6.94140	105	0.06610
380	ceckey, ceedy, cseedy, ceey, cseey	5	15	6.64456	105	0.06328
108	aram, orar, pceeol, okeody, pceor	5	47	29.79029	1081	0.02755
82	okeedy, cseedy, ceedy, ceey, cseey	5	15	6.80451	105	0.06480
117	s, or, ar, ol, dar	5	15	6.98556	105	0.06652
191	ceol, daiin, ceor, ol, dain	5	15	6.97973	105	0.06647
192	tar, orar, pceeol, pceor, okeody	5	47	29.63790	1081	0.02741
220	ceor, ceol, daiin, ol, dain	5	15	6.97973	105	0.06647
195	r, s, or, ar, ol	5	15	7.20105	105	0.06858
277	otedy, qokedy, qokeedy, qokeey, ceedy	5	15	6.75870	105	0.06436
314	okceol, pceeol, orar, pceor	4	34	21.09405	561	0.03760
294	ar, or, ol, dar	4	10	4.08278	45	0.09072
169	lcseedy, qokedy, qokeedy, qokeey	4	10	4.19859	45	0.09330
184	qokaiin, qokain, qokar, qokal	4	10	3.94472	45	0.08766
174	cseckey, cectey, ceedy, cseedy	4	10	4.34301	45	0.09651
219	cseeey, cseey, ceedy, cseedy	4	10	3.93449	45	0.08743
233	air, aiin, ar, or	4	10	4.37133	45	0.09714
153	cseeckey, ceedy, cseedy, ceey	4	10	4.17218	45	0.09271
104	ces, orar, pceeol, pceor	4	34	21.19797	561	0.03778
112	qokar, qokain, qokaiin, qokal	4	10	3.94472	45	0.08766
113	qokain, qokaiin, qokar, qokal	4	10	3.94472	45	0.08766
48	ctey, cteol, ceol, ceor	4	10	4.45085	45	0.09890
50	or, ar, ol, dar	4	10	4.08278	45	0.09072
67	ytey, orar, pceeol, okeody	4	34	21.14808	561	0.03769
416	okaiin, ol, or, dar	4	10	4.18116	45	0.09291
434	ol, or, ar, dar	4	10	4.08278	45	0.09072
459	dar, ol, or, ar	4	10	4.08278	45	0.09072
318	qokol, qokal, qokain, qokaiin	4	10	4.20361	45	0.09341
487	cedar, pceeol, orar, pceor	4	33	20.32734	528	0.03849
313	ceeey, ceey, ceedy	3	6	2.05929	15	0.13728
388	cseeedy, cseedy, ceedy	3	6	1.87466	15	0.12497
3	qotain, qokain, qokaiin	3	6	2.06252	15	0.13750
148	dal, dar, ol	3	6	2.09856	15	0.13990
138	cteor, cteol, ctey	3	6	2.26289	15	0.15085
140	okal, otar, okar	3	6	2.11068	15	0.14071
215	ceeedy, cseeedy, cseedy	3	6	2.13281	15	0.14218
288	cseol, ceol, daiin	3	6	2.11984	15	0.14132
280	qokal, qokain, qokaiin	3	6	1.92598	15	0.12839
242	cseeol, cseedy, ceedy	3	6	2.02563	15	0.13504
251	dy, daiin, ceol	3	6	2.08611	15	0.13907
249	dair, dain, dar	3	6	2.20209	15	0.14680
258	ypceedy, pceor, orar	3	14	7.69999	91	0.08461
266	cey, ceol, daiin	3	6	2.15443	15	0.14362

Table 11.8: Consolidation of the Word Conditional Probability Clusters

Hyperpyramid IDs	Hyperpyramid Definition	Generator Statement	Average Lev Score	Mean Perimeter per Line of the Highest-Ranking Cluster
Superset 1: The orar | pce*eo*[lr] Group				
108, 487, 104, 314, 192, 258, 67	aram, cedar, ces, okceol, tar, ypceedy, ytey, orar, pceeol, okeody, pceor	orar | pce*eo*[lr] + aram | cedar | ces | okceol | tar | ypceedy | ytey	0.27	0.02755
Superset 2: General Usage				
52, 363, 433, 233, 118, 294, 434, 50, 459	aiin, ar, or, ol, al + ain, dar and y	[ao][lr] | *d*ar | aiin | y	0.208	0.03220
Superset 3: General Usage Subgroup				
195, 117	r, s, or, ar, ol	r | s + the General Usage Group	0.2	0.06652
Superset 4:The daiin/ceol Group				
224, 188, 249, 191, 220, 148, 251, 90, 502, 288, 266	daiin, ceol, ceor, ol, dain, dar + dal, dair, dy, oky as lesser members, also cseo, cseol, cey	cseo[lr] | da + ii[rn] | dy | ol | oky | cey	0.238	0.05022
Superset 5: Subgroup with ct-				
322, 138, 48	cteol, ceol, ceor, daiin, dain, ol, dar, or, dal + cteor, ctey	same except cseo[lr] → c[*st*]eo[lr], cey → *ct*ey, ol → o[lr]	0.265	0.02687
Superset 6: The cse Group				
319, 392, 84, 219, 153, 313, 395, 352, 431	cseedy, ceedy, ceey, cseey, ol, cedy, cseeey, ceeey, ceckey + the subsets cseeedy, ceeedy + cseeol + junior members ceeol, cseeckey, cseckey, qokeey, otal, okar	cs*eee* + *dy* | ckey | ol o[tk]ar → to the o[tk]a group qokeey → to the qo- group	0.46	0.02176
Superset 7: The o[tk]e group				
473, 484, 485, 82, 277, 492	otedy, okedy + ceedy, cseedy + qokeedy, qokedy, qokeey, lceedy + junior members qokey, qokal, oteedy, okeey, okeedy and oteey, ceey, cseey	o[tk] | *lcs* | qok + *eedy* | qokal	0.581	0.02554
Superset 8: The o[tk]a group				
107, 421, 140, 290, 325, 416	otar, okar, otal, okal, okain, otain, dar, ol, okaiin, qokaiin + otaiin, or as junior members	*qo*[tk]a + [lr] | a*i*in | o[lr] | dar	0.455	0.02192
Superset 9: Bridges to the qok[a] Subgroup				
164	okain, qokain, qokaiin, qokar, qokal, qokedy, qokeedy, qokeey, qokey, lceedy	*qo*[t]ain | | qok + a[lr] | *eedy* | lceedy	0.454	0.02141
240	otain, okain, qokain, qokaiin, qokar, qokal, qol	*qo*[tk]ain | qoka[lr] | qol		0.03913
Superset 10: The qo[tk] group				
349, 133, 157, 472, 360, 169, 36, 2, 305	qokedy, qokeedy, qokeey, qokey, lceedy, qokain, qokaiin + junior members qotedy, qoky, qotain	lc | qo[tk] + *eedy* | a*i*in	0.518	0.03096
Superset 11: The qok[ao] Subgroup				
496, 184, 113, 280, 112, 318	qol, qokal, qokar	qo + [lk] + a*i*in | [ao][lr]	0.6	0.03059

Table 11.9: Statistical Segmentation of Words Participating in Near Repetitions

Group (Separated by Zero and Non-Zero Levenshtein Scores)	Avg Levenshtein Word Score	Avg Word Length	Avg Word Count	Document Word Count	Distinct Word Count
All Words					
0	0	6.79224	1.47507	9706	6580
+	0.20184	5.56425	17.56425	28700	1634
qo[tk] or c[se]					
0	0	7.59874	1.65203	2635	1595
+	0.18381	6.17464	25.98564	10862	418
NOT qo[tk] or c[se]					
0	0	6.53420	1.41845	7071	4985
+	0.20804	5.35444	14.66940	17838	1216
e/i Sequences					
0	0	7.21387	1.42588	7647	5363
+	0.21252	5.99769	15.61153	20295	1300
Non-e/i Sequences					
0	0	4.93426	1.69186	2059	1217
+	0.16028	3.87724	25.16467	8405	334

Table 11.10: Top 100 Words Ranked by Expected Low-Levenshtein Sequence Participation

Word	Word Length	Word Count	Levenshtein Score	Levenshtein Score Scaled by Word Count	Word	Word Length	Word Count	Levenshtein Score	Levenshtein Score Scaled by Word Count
ceol	4	394	0.19335	76.18333	dol	3	117	0.06880	8.05000
qokeedy	7	306	0.22245	68.07142	qokcedy	7	56	0.14349	8.03571
daiin	5	864	0.07542	65.17142	ckeey	5	34	0.22913	7.79047
qokedy	6	275	0.21194	58.28571	cseey	5	289	0.02672	7.72380
qokeey	6	306	0.18236	55.80357	ceear	5	51	0.14313	7.30000
ar	2	364	0.13713	49.91666	oty	3	116	0.06221	7.21666
ceedy	5	499	0.09016	44.99047	csey	4	106	0.06776	7.18333
cseedy	6	429	0.09433	40.47023	cear	4	72	0.09861	7.09999
ceor	4	216	0.14814	31.99999	ceckey	6	143	0.04928	7.04761
ol	2	548	0.05200	28.50000	cseeol	6	112	0.06122	6.85714
or	2	378	0.06834	25.83333	saiin	5	144	0.04745	6.83333
al	2	270	0.09228	24.91666	ain	3	88	0.07632	6.71666
okaiin	6	208	0.11432	23.77976	ceeey	5	173	0.03770	6.52380
dar	3	323	0.07291	23.54999	ykeey	5	60	0.10722	6.43333
okedy	5	120	0.19170	23.00476	taiin	5	45	0.14000	6.30000
okeey	5	177	0.12666	22.41904	qopceedy	8	32	0.19184	6.13888
cseor	5	99	0.19966	19.76666	ceokeey	7	13	0.46840	6.08928
aiin	4	474	0.04036	19.13333	okey	4	64	0.09427	6.03333
cey	3	156	0.11901	18.56666	qotcey	6	64	0.09412	6.02380
cseo	4	130	0.14179	18.43333	ctear	5	20	0.29500	5.90000
dy	2	267	0.06897	18.41666	ctey	4	112	0.05119	5.73333
otaiin	6	153	0.11453	17.52380	ceaiin	6	45	0.12433	5.59523
cseol	5	188	0.09078	17.06666	ytaiin	6	43	0.12846	5.52380

lceedy	6	119	0.14260	16.97023	qokcey	6	70	0.07891	5.52380
qotedy	6	92	0.18167	16.71428	qokol	5	104	0.05279	5.49047
otedy	5	163	0.10116	16.49047	oky	3	103	0.05307	5.46666
okar	4	142	0.11514	16.35000	okody	5	21	0.25986	5.45714
ceey	4	339	0.04670	15.83333	lkedy	5	29	0.18702	5.42380
okeedy	6	107	0.13946	14.92261	dam	3	98	0.05493	5.38333
qol	3	151	0.09690	14.63333	ykaiin	6	46	0.11594	5.33333
okal	4	141	0.10307	14.53333	cectey	6	79	0.06592	5.20833
cedy	4	150	0.09355	14.03333	tar	3	44	0.11742	5.16666
ceeol	5	169	0.07568	12.79047	csear	5	34	0.15000	5.10000
qokain	6	279	0.04557	12.71428	otol	4	86	0.05872	5.04999
otain	5	97	0.12096	11.73333	ceoty	5	36	0.13769	4.95714
dain	4	209	0.05231	10.93333	rol	3	20	0.23750	4.75000
dal	3	250	0.04320	10.80000	ceeor	5	100	0.04723	4.72380
otar	4	145	0.07367	10.68333	ytedy	5	23	0.20434	4.70000
qokaiin	7	262	0.04026	10.54960	keey	4	44	0.10643	4.68333
oteedy	6	102	0.10148	10.35119	otcey	5	49	0.09523	4.66666
qokar	5	154	0.06645	10.23333	ceoky	5	38	0.12192	4.63333
okain	5	142	0.07116	10.10476	opceedy	7	50	0.09035	4.51785
qokey	5	109	0.09209	10.03809	lkeey	5	41	0.10952	4.49047
otal	4	143	0.06783	9.70000	lcseedy	7	42	0.10629	4.46428
qoteedy	7	74	0.11776	8.71428	qotceey	7	21	0.21258	4.46428
ceody	5	94	0.08926	8.39047	kedy	4	44	0.10075	4.43333
qokal	5	192	0.04340	8.33333	ceal	4	48	0.09236	4.43333
okeol	5	65	0.12717	8.26666	dceor	5	26	0.16886	4.39047
oteey	5	140	0.05874	8.22380	sol	3	74	0.05878	4.35000
cteol	5	60	0.13444	8.06666	kceol	5	21	0.20476	4.30000

Table 11.11: Matrix of the Most Common Adfixes Defining Near-Repetition Words

Suffix	ce	cte	cse	+ k | ke | d	+ l or lk	ok	ot	op	yk	yt	qok	qot	qop
ain						okain	otain				qokain		
aiin	ceaiin					okaiin	otaiin		ykaiin	ytaiin	qokaiin		
al	ceal					okal	otal				qokal		
ar	cear	ctear				okar	otar				qokar		
ear	ceear		csear										
ckey	ceckey												
ctey	cectey												
dy	cedy			kedy	lkedy	okedy	otedy			ytedy	qokedy , qokcedy	qotedy	
edy	ceedy		cseedy		lceedy, lcseedy	okeedy	oteedy	opceedy			qokeedy	qoteedy	qopceedy
eey	ceeey												
eol	ceeol		cseeol										
eor	ceeor												
ody	ceody					okody							
okeey	ceokeey												
oky	ceoky												
ol	ceol	cteol	cseol	kceol		okeol	otol				qokol, qol		
or	ceor			dceor									
oty	ceoty												
y	cey	ctey	csey			oky, okey	oty, otcey				qokcey, qokey	qotcey	
ey	ceey		cseey	keey, ckeey	lkeey	okeey	oteey		ykeey		qokeey	qotceey	
o			cseo										

Table 11.12: Top 50 Words Occurring Prior to Near-Repetitions

Next Word	Word Length	Word Count	Boundary Count	Document Share	Boundary Share	Boundary Differential	Next Word	Word Length	Word Count	Boundary Count	Document Share	Boundary Share	Boundary Differential
daiin	5	864	73	0.02252	0.07032	0.04780	dol	3	117	7	0.00304	0.00674	0.00369
ar	2	364	30	0.00948	0.02890	0.01941	r	1	94	6	0.00245	0.00578	0.00332
dar	3	323	27	0.00842	0.02601	0.01759	dceol	5	26	4	0.00067	0.00385	0.00317
dy	2	267	23	0.00696	0.02215	0.01519	orain	5	27	4	0.00070	0.00385	0.00314
al	2	270	19	0.00703	0.01830	0.01126	qo	2	30	4	0.00078	0.00385	0.00307
dain	4	209	17	0.00544	0.01637	0.01092	tedy	4	42	4	0.00109	0.00385	0.00275
ol	2	548	26	0.01428	0.02504	0.01076	o	1	81	5	0.00211	0.00481	0.00270
saiin	5	144	15	0.00375	0.01445	0.01069	lr	2	12	3	0.00031	0.00289	0.00257
or	2	378	20	0.00985	0.01926	0.00941	olkal	5	12	3	0.00031	0.00289	0.00257
aiin	4	474	22	0.01235	0.02119	0.00883	tol	3	50	4	0.00130	0.00385	0.00255
dal	3	250	15	0.00651	0.01445	0.00793	kair	4	14	3	0.00036	0.00289	0.00252
s	1	243	13	0.00633	0.01252	0.00618	ain	3	88	5	0.00229	0.00481	0.00252
lol	3	43	7	0.00112	0.00674	0.00562	lo	2	15	3	0.00039	0.00289	0.00249
sain	4	68	7	0.00177	0.00674	0.00497	kar	3	52	4	0.00135	0.00385	0.00249
taiin	5	45	6	0.00117	0.00578	0.00460	tain	4	16	3	0.00041	0.00289	0.00247
sar	3	83	7	0.00216	0.00674	0.00458	ols	3	18	3	0.00046	0.00289	0.00242
ody	3	49	6	0.00127	0.00578	0.00450	sal	3	55	4	0.00143	0.00385	0.00241
l	1	57	6	0.00148	0.00578	0.00429	rol	3	20	3	0.00052	0.00289	0.00236
dam	3	98	7	0.00255	0.00674	0.00418	soiin	5	20	3	0.00052	0.00289	0.00236
lkedy	5	29	5	0.00075	0.00481	0.00406	teey	4	20	3	0.00052	0.00289	0.00236
lkain	5	35	5	0.00091	0.00481	0.00390	kcedy	5	20	3	0.00052	0.00289	0.00236
loty	4	4	4	0.00010	0.00385	0.00374	kceedy	6	21	3	0.00054	0.00289	0.00234
lkeey	5	41	5	0.00106	0.00481	0.00374	daiiin	6	22	3	0.00057	0.00289	0.00231
olkeedy	7	42	5	0.00109	0.00481	0.00372	daiir	5	23	3	0.00059	0.00289	0.00229
lor	3	43	5	0.00112	0.00481	0.00369	ldy	3	26	3	0.00067	0.00289	0.00221

Table 11.13: Leading Repetition Boundaries Formed by Outer Fences

Prior Word	Next Word	Word Count #1	Word Count #2	Boundary Count	Expected Boundary Count	Boundary Count Difference
daiin	daiin	864	864	8	0.53	7.47
daiin	ol	864	548	4	0.336	3.664
daiin	dy	864	267	3	0.164	2.836
aiin	daiin	474	864	3	0.291	2.709
dar	daiin	323	864	3	0.198	2.802
daiin	dor	864	73	2	0.045	1.955
daiin	dain	864	209	2	0.128	1.872
daiin	dal	864	250	2	0.153	1.847
daiin	dar	864	323	2	0.198	1.802
aiin	dy	474	267	2	0.09	1.91
dain	daiin	209	864	2	0.128	1.872
aiin	ol	474	548	2	0.184	1.816
daiin	kar	864	52	2	0.032	1.968
daiin	or	864	378	2	0.232	1.768
daiin	olkeedy	864	42	2	0.026	1.974
daiin	r	864	94	2	0.058	1.942
dar	al	323	270	2	0.062	1.938
daiin	s	864	243	2	0.149	1.851
ol	ol	548	548	2	0.213	1.787
olkeedy	dy	42	267	2	0.008	1.992
saiin	daiin	144	864	2	0.088	1.912

Table 11.14: Leading Repetition Boundaries Formed by Prior-1st Word Boundaries

Prior Word	1st Word	Word Count #1	Word Count #2	Boundary Count	Expected Boundary Count	Boundary Count Difference
qol	cseey	151	289	3	0.033	2.967
aiin	okal	474	141	3	0.05	2.95
yceor	ctey	15	112	2	0.001	1.999
dain	otcey	209	49	2	0.008	1.992
qol	cseeedy	151	84	2	0.009	1.991
sol	cseol	74	188	2	0.01	1.99
tol	ceedy	50	499	2	0.019	1.981
daiin	cteor	864	45	2	0.029	1.971
dain	okaiin	209	208	2	0.032	1.968
daiin	cseody	864	56	2	0.036	1.964
daiin	cteol	864	60	2	0.039	1.961
qol	ceedy	151	499	2	0.056	1.944
ol	ceeol	548	169	2	0.069	1.931
ar	ceey	364	339	2	0.092	1.908
daiin	otaiin	864	153	2	0.099	1.901
al	ceedy	270	499	2	0.1	1.9
dar	cseedy	323	429	2	0.103	1.897
dar	ceedy	323	499	2	0.12	1.88
daiin	okaiin	864	208	2	0.134	1.866
daiin	cseedy	864	429	2	0.276	1.724
daiin	ceedy	864	499	2	0.321	1.679

Table 11.15 Groups of Words Preceding and Following Repetitive Phrases

Repetitive Phrase Group	Count	% of All	Prior Word Type	Count	% of All	Next Word Type	Count	% of All
c | c[s | t] + e	89	27.64	Other	95	29.503	Other	101	31.366
qo[fptk]	78	24.224	c | c[s | t] + e	89	27.64	c | c[s | t] + e	94	29.193
[yo][fptk]	58	18.012	qo[fptk]	58	18.012	qo[fptk]	48	14.907
Other Repeaters	42	13.043	[yo][fptk]	58	18.012	c | c[s | t] + e	41	12.733
[ao][lr]	30	9.317	daiin Group	15	4.658	daiin Group	21	6.522
daiin Group	25	7.764	[ao][lr]	7	2.174	[ao][lr]	17	5.28
Near-Repetition Group	**Count**	**% of All**	**Prior Word Type**	**Count**	**% of All**	**Next Word Type**	**Count**	**% of All**
c | c[s | t] + e	3484	56.221	Other	2157	34.807	Other	2218	35.792
[yo][fptk]	1693	27.32	c | c[s | t] + e	1732	27.949	c | c[s | t] + e	1727	27.868
qo[fptk]	867	13.991	[yo][fptk]	1003	16.185	[yo][fptk]	1022	16.492
[ao][lr]	118	1.904	qo[fptk]	780	12.587	qo[fptk]	744	12.006
daiin Group	35	0.565	daiin Group	312	5.035	daiin Group	301	4.857
			[ao][lr]	213	3.437	[ao][lr]	185	2.985

Table 11.16 Groups of Words Preceding and Following Repetitive Phrases, Broken Down by Phrase Types

Prior Word Group	Count	Prior Word %	Next Word Group	Count	Next Word %
[ao][lr]					
[yo][fptk]	10	33.333	Other	11	36.667
c[ts]e	6	20	daiin Group	6	20
Other	5	16.667	[ao][lr]	5	16.667
qo[fptk]	4	13.333	c[*ts*]e	5	16.667
[ao][lr]	3	10	[yo][fptk]	3	10
daiin Group	2	6.667	qo[fptk]	0	0
daiin Group					
Other	9	36	Other	11	44
c[*ts*]e	6	24	c[*ts*]e	5	20
[yo][fptk]	4	16	daiin Group	3	12
qo[fptk]	3	12	qo[fptk]	3	12
daiin Group	2	8	[yo][fptk]	3	12
[ao][lr]	1	4	[ao][lr]	0	0
c[*ts*]e					

c[*ts*]e	28	31.461	c[*ts*]e	33	37.079
Other	26	29.213	Other	32	35.955
qo[fptk]	15	16.854	qo[fptk]	9	10.112
[yo][fptk]	15	16.854	daiin Group	7	7.865
daiin Group	3	3.371	[yo][fptk]	6	6.742
[ao][lr]	2	2.247	[ao][lr]	2	2.247
qo[fptk]					
c[*ts*]e	28	35.897	qo[fptk]	30	38.462
qo[fptk]	24	30.769	c[*ts*]e	26	33.333
Other	20	25.641	Other	14	17.949
[yo][fptk]	5	6.41	[yo][fptk]	5	6.41
[ao][lr]	1	1.282	daiin Group	2	2.564
daiin Group	0	0	[ao][lr]	1	1.282
[yo][fptk]					
Other	19	32.759	[yo][fptk]	18	31.034
[yo][fptk]	16	27.586	Other	15	25.862
qo[fptk]	9	15.517	c[*ts*]e	14	24.138
c[*ts*]e	9	15.517	[ao][lr]	6	10.345
daiin Group	5	8.621	qo[fptk]	4	6.897
[ao][lr]	0	0	daiin Group	1	1.724
Other Repeaters					
Other	16	38.095	Other	18	42.857
c[*ts*]e	12	28.571	c[*ts*]e	11	26.19
[yo][fptk]	8	19.048	[yo][fptk]	6	14.286
daiin Group	3	7.143	[ao][lr]	3	7.143
qo[fptk]	3	7.143	daiin Group	2	4.762
[ao][lr]	0	0	qo[fptk]	2	4.762

Table 11.17 Repetition Types by Text Ring Membership

Sequence Type	Text Ring Count	Non-Text Ring Count	Ratio	Ratio Difference
[ao][lr]	6	23	0.26086	0.18323
[yo][fptk]	9	46	0.19565	0.11801
cse	2	84	0.02380	-0.05382
daiin Group	1	23	0.04347	-0.03415
Other	6	36	0.16666	0.08903
qo[fptk]	1	71	0.01408	-0.06355

Table 11.18: Importance of 2-Word Prior Phrases in Determining 4 Possible Types of Parasyntactics

Prior Phrase	Document Phrase Count	Expected Count	# of Text Sequences with Winning Boundary Counts
Superset of All 3			
ceol daiin	33	0.25959	4
ceedy daiin	9	0.32877	3
ceor daiin	10	0.14231	3
or aiin	52	0.13589	3
s aiin	32	0.08736	3
dair al	6	0.02179	3
daiin daiin	20	0.56992	2
ol daiin	20	0.36106	2
dy dy	8	0.05430	2
cteol daiin	6	0.03953	2
okar ar	14	0.03909	2
o aiin	6	0.02912	2
am saiin	3	0.00932	2
cey tar	2	0.00522	2
air am	3	0.00511	2
qokeey ly	2	0.00326	2
ol ol	7	0.22874	1
qokeey daiin	11	0.20161	1
ol aiin	13	0.19701	1
cseey daiin	5	0.19041	1
The *cse*-Group			
cseey qokain	18	0.05463	3
daiin dal	13	0.14653	2
cseol daiin	10	0.11019	2
dar dar	6	0.07069	2
qokeedy qokeedy	17	0.06344	2
otol daiin	7	0.05040	2
aiin okal	9	0.04637	2
qokeedy qokal	7	0.03981	2
cteol daiin	6	0.03516	2
dor aiin	3	0.02334	2
sor aiin	5	0.01823	2
ykeey okeey	4	0.00719	2
okedy qotal	2	0.00479	2
sy saiin	4	0.00370	2
ceedy daiin	9	0.29247	1
ceol daiin	33	0.23093	1
ol aiin	13	0.17526	1
cseedy ol	7	0.15892	1
ar ol	8	0.13516	1
or aiin	52	0.12089	1

Prior Phrase	Document Phrase Count	Expected Count	# of Text Sequences with Winning Boundary Counts
The [yo][fptk] Group			
or aiin	52	0.08446	3
s aiin	32	0.05430	3
ceedy daiin	9	0.20435	2
ar aiin	23	0.08134	2
otar ar	9	0.02498	2
or aiiin	10	0.00859	2
daiin daiin	20	0.35423	1
ceey daiin	8	0.13882	1
ol aiin	13	0.12245	1
ol cseedy	21	0.11104	1
dy daiin	12	0.10934	1
daiin ceor	8	0.08845	1
ceedy dar	4	0.07630	1
ceedy qokeey	19	0.07229	1
qokain ceedy	12	0.06591	1
qokedy ceedy	11	0.06496	1
ceedy qokaiin	12	0.06189	1
al aiin	4	0.06033	1
saiin daiin	4	0.05897	1
aiin qokaiin	1	0.05854	1
The qo-Group			
ol cseedy	21	0.07174	4
qokeedy ceey	2	0.03173	2
cseor daiin	6	0.02619	2
qokal cseedy	13	0.02513	2
qol ceedy	19	0.02304	2
qokain cseeol	4	0.00955	2
tedy lceedy	2	0.00152	2
daiin daiin	20	0.22888	1
daiin cseedy	4	0.11325	1
dy daiin	12	0.07064	1
ceedy cseedy	3	0.06533	1
ceol ceedy	4	0.06014	1
ol ceey	6	0.05682	1
aiin ceey	8	0.04894	1
qokeey ceedy	4	0.04670	1
daiin ceeol	3	0.04471	1
cseedy ceey	4	0.04438	1
dar cseedy	6	0.04228	1
qokedy ceedy	11	0.04197	1
daiin okedy	4	0.03175	1

Table 11.19: Distribution of Prefixes for Text Rings vs. Ordinary Paragraphs

Prefix	Text Ring Count	Non-Text Ring Count	Text Ring Difference	Prefix	Text Ring Count	Non-Text Ring Count	Text Ring Difference
[yo][fptk]	822	5340	0.15508	qo	77	5179	-0.12271
o-other	112	503	0.02771	[fptk | dly]c	38	2175	-0.04938
al	88	402	0.02157	c[st]e	581	8985	-0.04322
ar	77	412	0.01711	lk	3	439	-0.01173
ai	82	689	0.01088	[dlr]o	24	624	-0.00920
y-other	26	167	0.00496	[rt]a	11	366	-0.00656
y[dlrs]	13	79	0.00261	[fptk]o	27	550	-0.00589
so	31	312	0.00260	ka	7	263	-0.00505
o[dlrsy]	185	2312	0.00233	ke	17	345	-0.00367
ee	10	51	0.00229	da	154	2101	-0.00322
sa	38	440	0.00150	ck	8	202	-0.00289
am	10	80	0.00144	q-other	4	123	-0.00209
te	18	186	0.00137	rc	0	71	-0.00208
se	4	12	0.00116	cp	4	122	-0.00206
ec	3	1	0.00110	lt	0	36	-0.00105
ep	3	2	0.00107	ky	0	28	-0.00082
rk	3	4	0.00102	pa	1	37	-0.00070
at	3	5	0.00099	ct	0	23	-0.00067
dl	5	32	0.00095	sc	5	86	-0.00062
ad	3	7	0.00093	ld	2	47	-0.00062
ek	3	9	0.00087	cf	1	32	-0.00055
de	5	35	0.00086	ty	0	19	-0.00055
dy	25	297	0.00076	ac	0	18	-0.00052
cs	2	4	0.00064	lr	0	17	-0.00049
as	2	4	0.00064	py	0	16	-0.00046
dd	2	5	0.00061	la	2	41	-0.00044
et	3	22	0.00049	pd	0	15	-0.00043
ks	1	3	0.00029	ly	0	14	-0.00041
dp	1	3	0.00029	sk	0	14	-0.00041
cc	1	3	0.00029	ry	0	14	-0.00041
sy	4	42	0.00028	fa	0	10	-0.00029
an	1	5	0.00023	lf	0	10	-0.00029
eo	1	5	0.00023	dt	0	7	-0.00020
le	1	6	0.00020	td	0	6	-0.00017
ea	1	6	0.00020	ds	0	4	-0.00011
dk	2	19	0.00020	co	0	4	-0.00011
ak	1	12	2.72300E-05	es	0	4	-0.00011
ll	1	12	2.72300E-05	ls	1	16	-9.00995E-05
				lp	1	16	-9.00995E-05

Table 11.20: Distribution of Suffixes for Text Rings vs. Ordinary Paragraphs

Prefix	Text Ring Count	Non-Text Ring Count	Text Ring Difference	Prefix	Text Ring Count	Non-Text Ring Count	Text Ring Difference
a[lrsm | n]	569	4899	0.07207	in	268	5575	-0.06189
es	82	294	0.02247	d[lrsy]	340	6315	-0.05629
ly	75	368	0.01764	o[dlrsy]	394	6045	-0.02790
ir	82	509	0.01616	ey	391	5687	-0.01853
e[op]	78	749	0.00760	ky	37	668	-0.00556
o-other	30	198	0.00556	om	5	184	-0.00350
[rs][yo]	35	339	0.00332	ty	23	408	-0.00324
er	11	32	0.00323	e[eadlg]	24	391	-0.00236
e-other	11	67	0.00220	im	2	58	-0.00094
a-other	10	55	0.00217	lr	0	27	-0.00079
ay	6	8	0.00204	ok	0	26	-0.00076
gy	4	0	0.00151	kl	0	26	-0.00076
is	6	36	0.00121	y[rs]	3	53	-0.00041
yl	4	13	0.00113	py	2	40	-0.00041
my	3	5	0.00099	et	0	10	-0.00029
og	3	7	0.00093	ll	1	22	-0.00026
em	3	7	0.00093	op	0	9	-0.00026
ot	4	23	0.00084	dg	0	7	-0.00020
ny	3	13	0.00075	fy	1	19	-0.00017
ls	9	96	0.00059	il	0	6	-0.00017
rl	2	11	0.00043	yk	0	6	-0.00017
lo	2	12	0.00040	ef	0	5	-0.00014
ss	1	3	0.00029	do	0	5	-0.00014
dm	1	3	0.00029	de	0	4	-0.00011
cs	1	4	0.00026	ai	0	4	-0.00011
cy	1	5	0.00023	rg	0	4	-0.00011
ag	1	5	0.00023	lk	0	4	-0.00011
sa	1	5	0.00023	en	1	15	-0.00006
rd	1	5	0.00023				
lm	1	5	0.00023				
of	1	5	0.00023				
tl	1	6	0.00020				
ad	1	6	0.00020				
ek	2	21	0.00014				
sd	1	9	0.00011				
ld	3	35	0.00011				

Table 11.21: Change in Ranks among Possible Connectives in Text Rings vs. Ordinary Paragraphs

Text Rings						Paragraphs				
Rank	Word	Word Count	Text Ring Count	Non-Text Ring Count	Text Ring Score	Word	Word Count	Text Ring Count	Non-Text Ring Count	Text Ring Score
1	ar	364	59	287	0.01395	daiin	864	26	828	-0.01442
2	al	270	49	211	0.01239	ol	548	32	511	-0.00285
3	aiin	474	44	421	0.00433	ceedy	499	12	485	-0.00967
4	ol	548	32	511	-0.00285	aiin	474	44	421	0.00433
5	dar	323	30	278	0.00322	cseedy	429	11	413	-0.00794
6	or	378	30	340	0.00140	ceol	394	17	371	-0.00443
7	dal	250	28	215	0.00431	or	378	30	340	0.00140
8	oteey	140	28	108	0.00745	ceey	339	16	321	-0.00334
9	daiin	864	26	828	-0.01442	qokeedy	306	0	305	-0.00894
10	dy	267	21	237	0.00101	qokeey	306	3	302	-0.00772
11	air	79	19	56	0.00556	ar	364	59	287	0.01395
12	s	243	17	210	0.00028	dar	323	30	278	0.00322
13	ceol	394	17	371	-0.00443	qokain	279	0	275	-0.00806
14	oteody	39	17	19	0.00588	qokedy	275	2	273	-0.00724
15	oteos	29	17	10	0.00615	cseey	289	15	270	-0.00223
16	okeey	177	16	155	0.00152	qokaiin	262	0	261	-0.00765
17	ceey	339	16	321	-0.00334	dy	267	21	237	0.00101
18	cseey	289	15	270	-0.00223	dal	250	28	215	0.00431
19	otar	145	15	125	0.00202	ceor	216	0	213	-0.00624
20	dair	106	14	88	0.00272	al	270	49	211	0.01239

Table 11.22: Probable General-Usage Words Appearing in the Text Rings or Text Ring-Like Labels

Word	Count within Text Rings
ar	59
al	49
aiin	44
ol	32
or	30
dar	30
dal	28
daiin	26
dy	21
air	19
s	17
dair	14
o	13
am	10
y	10
r	8
l	4

Table 11.23: Top 100 Words Not Prefixable by *q*

Rank	Word	Document Count	Rank	Word	Document Count	Rank	Word	Document Count	Rank	Word	Document Count
1	daiin	835	26	csey	105	51	l	57	75	ytaiin	42
2	ceedy	496	26	dair	105	52	sor	56	77	taiin	41
3	cseedy	422	28	cseor	97	53	sal	55	77	lkeedy	41
4	ceol	388	29	ceeor	95	53	cseody	55	77	lkeey	41
5	ar	354	29	dam	95	55	keedy	51	80	tedy	40
6	ceey	337	31	ceody	92	55	csedy	51	81	kedy	39
7	dar	316	31	r	92	57	cseeody	50	82	sy	38
8	cseey	283	33	ain	87	57	d	50	82	cseeky	38
9	al	259	34	ceeody	86	59	kar	49	84	ceoky	37
10	dy	257	35	cseeedy	84	60	tol	48	85	olor	36
11	dal	240	36	am	82	60	cseeor	48	85	ykar	36
12	s	234	37	sar	81	60	aiiin	48	87	ceos	35
13	dain	208	38	air	79	60	lkaiin	48	87	ceoty	35
14	cseol	186	39	cectey	76	64	ceear	47	87	cseeckey	35
15	ceeey	173	40	sol	72	65	ceeckey	46	87	lkain	35
16	ceeol	165	40	raiin	72	66	lceey	45	91	dcseedy	34
17	cey	150	42	dor	69	66	cseeo	45	91	cees	34
18	cedy	149	43	ceeo	66	68	cteor	44	93	ceees	33
19	cseeey	145	44	kaiin	65	68	ceaiin	44	93	ceeos	33
20	saiin	142	44	ceo	65	68	ceodaiin	44	95	ceedaiin	32
21	ceckey	140	46	ceeky	64	71	lol	43	96	ykeedy	31
22	cseo	128	47	cseckey	60	71	lor	43	96	ckeey	31
23	lceedy	119	48	cteol	59	71	tar	43	96	ceedar	31
24	dol	114	48	ceeedy	59	71	ceal	43	96	csectey	31
25	cseeol	108	50	ykeey	58	75	lcseedy	42	100	daly	30

Table 11.24: Changes in the Upper Ranks of the Top 100 when qo- is Consolidated with [yo]-Nouns

Group	% of the Document Count in the Top 100		Document Count in the Top 100		Distinct Count in the Top 100	
	Without q	With q	Without q	With q	Without q	With q
ce-Initial	18.191	16.653	2921	2923	18	18
Q-Noun Candidate	17.905	0	2875	0	19	0
Noun	16.653	37.346	2674	6555	23	38
daiin Group	13.496	12.363	2167	2170	10	10
cs-Initial	10.22	9.965	1641	1749	10	12
[ao][lr] Group	9.697	9.856	1557	1730	4	4
[ds][ao][lrm] + dy Group	7.972	7.931	1280	1392	8	10
Single-Letter Word Group	3.531	3.737	567	656	4	5
Other (am, lceedy)	1.264	1.157	203	203	2	2
ct-Initial	1.071	0.991	172	174	2	2

Table 12.1: Frequency List Consolidation of 6 Natural Languages via Fuzzy Sets

Composite Rank	English Word	English Rank	Best Rank	Worst Rank	Min Translation Score	Instance Count	Rank Score	Parts Of Speech
1	and	5	1	95	0.300	17	4568.367	Coordinating Conjunction
2	that	8	3	83	0.167	17	3192.400	Relative/Interrogative Pronoun
3	or	31	17	79	1.000	9	2630.000	Coordinating Conjunction
4	you	18	18	55	0.333	9	2377.667	Personal Pronoun
5	this	21	7	94	0.333	9	2317.000	Demonstrative Pronoun
6	the	1	1	21	1.000	7	2278.000	Definite Article
7	time	55	49	90	0.200	12	2250.533	Noun
8	for	12	10	89	0.167	12	2159.433	Adposition
9	he	16	2	84	0.200	10	2138.700	Personal Pronoun
10	in	7	2	22	0.167	10	1972.000	Adposition
11	be	2	2	98	0.333	8	1894.333	Verb
12	not	13	3	75	0.333	9	1885.667	Negation
13	my	34	26	66	0.333	8	1872.167	Possessive Pronoun
14	with	15	10	87	0.333	8	1860.000	Adposition
15	but	22	11	58	0.167	10	1855.767	Adposition, Adverb, Coordinating Conjunction (3)
16	to	3	3	68	0.100	11	1778.667	Adposition
17	it	11	5	92	0.167	11	1749.000	Personal Pronoun
18	by	24	7	90	0.167	10	1673.667	Adposition
19	from	25	1	49	0.167	10	1611.000	Adposition
20	I	10	6	56	1.000	5	1573.000	Personal Pronoun
21	now	73	62	96	0.333	7	1414.867	Noun
22	all	36	12	60	0.667	6	1396.667	Quantifier
23	our	86	17	99	0.100	8	1390.467	Possessive Pronoun
24	at	20	2	87	0.167	10	1389.533	Adposition
25	already	217	34		0.667	6	1369.667	Adposition
26	if	44	21	89	0.333	6	1365.000	Subordinating Conjunction
27	two	84	41	84	1.000	5	1357.000	Number
28	so	41	26	87	0.333	7	1348.833	Coordinating Conjunction, Adverb (2)
29	year	63	50	100	1.000	5	1335.000	Noun
30	other	70	28	85	0.500	6	1322.167	Adjective
31	who	46	2	92	0.200	8	1304.033	Relative/Interrogative Pronoun
32	very	217	24		0.333	6	1293.667	Adverb
33	day	98	41	98	1.000	5	1287.000	Noun
34	one	35	16	67	0.167	7	1272.167	Number
35	me	50	29	67	0.500	5	1267.000	Personal Pronoun
36	we	27	23	31	0.333	5	1228.667	Personal Pronoun
37	where	217	48		1.000	5	1179.000	Relative/Interrogative Pronoun
38	first	88	56	91	0.500	5	1176.500	Adjective
39	can	53	23	59	0.333	5	1173.000	Verb
40	say	28	28	49	0.500	5	1141.667	Verb
41	what	40	7	53	0.300	6	1138.800	Relative/Interrogative Pronoun
42	because	94	35	94	0.333	5	1124.000	Subordinating Conjunction
43	only	75	39	99	0.500	5	1122.333	Adjective
44	however	217	48		0.667	5	1120.333	Coordinating Conjunction
45	of	4	1	34	0.100	8	1103.833	Adposition
46	him	58	27	93	0.100	6	1044.667	Personal Pronoun
47	see	69	69	94	1.000	4	1027.000	Verb
48	do	19	19	49	0.667	4	1011.333	Verb, Noun (2)
49	then	72	26	85	0.167	7	997.667	Adverb
50	want	93	61	93	0.167	5	995.333	Verb
51	go	49	49	95	0.667	4	994.000	Verb, Noun (2)
52	after	82	24	82	0.100	5	992.100	Adposition
53	was	217	43		1.000	4	991.000	Verb
54	on	14	5	19	0.333	6	986.833	Adposition
55	great	217	47		0.167	6	941.833	Adjective
56	your	64	26	66	0.167	4	930.833	Possessive Pronoun
57	without	217	31		1.000	4	928.000	Adposition
58	more	217	19		0.667	4	917.667	Quantifier
59	come	76	61	95	0.167	5	905.667	Verb
60	as	17	14	99	0.167	7	895.867	Adverb, Subordinating Conjunction (2)
61	about	45	18	90	0.100	7	886.567	Adposition, Adverb (2)
62	life	217	76		1.000	4	884.000	Noun
63	every	217	13		0.333	6	882.667	Quantifier
64	which	48	3	92	0.167	7	879.633	Relative/Interrogative Pronoun
65	good	65	47	86	0.333	4	872.000	Adjective
65	have	9	7	9	0.667	3	872.000	Verb
67	man	217	33		0.667	4	865.333	Noun
68	us	100	31	100	0.333	4	861.333	Personal Pronoun
69	there	38	35	76	0.300	5	856.033	Noun
70	himself	217	17		0.267	5	855.133	Reflexive Pronoun

71	when	51	36	51	0.333	4	826.333	Relative/Interrogative Pronoun
72	she	30	15	38	0.667	3	823.000	Personal Pronoun
73	-self	217	9		0.667	4	813.333	Reflexive Pronoun
74	like	54	14	88	0.100	5	806.100	Adjective, Adposition, Adverb, Sub. Conjunction, Noun, Verb (6)
75	give	97	46	97	1.000	3	805.000	Verb
76	no	56	15	75	0.500	4	804.167	Negation
77	from the	217	10		1.000	3	764.000	Adposition
78	can not	217	8		1.000	3	757.000	Verb
79	its	77	15	77	0.200	4	741.267	Possessive Pronoun
80	some	66	35	70	0.167	5	731.500	Adjective, Noun, Personal Pronoun (3)
81	know	59	51	79	0.667	3	721.333	Verb, Noun (2)
82	is	217	19		1.000	3	719.000	Verb
83	still	217	34		0.333	5	704.000	Adjective
84	a	6	6	16	0.500	3	703.833	Indefinite Article
85	take	60	43	68	0.500	3	700.500	Verb, Noun (2)
86	between	217	35		1.000	3	698.000	Adposition
87	her	29	17	64	0.300	5	693.400	Possessive Pronoun
88	even	91	42	98	0.333	4	692.667	Adverb, Adjective (2)
89	new	92	52	92	0.667	3	686.667	Adjective
90	also	80	16	97	0.333	4	684.333	Adverb
91	how	85	14	85	0.167	5	678.900	Adverb
92	another	217	40		0.333	5	672.667	Adjective
93	over	78	24	92	0.300	5	668.467	Adposition
94	until	217	48		1.000	3	667.000	Adposition
95	his	23	17	36	0.400	3	638.533	Possessive Pronoun
96	always	217	68		1.000	3	631.000	Quantifier
97	they	26	18	26	1.000	2	626.000	Personal Pronoun
98	here	217	46		0.400	4	624.100	Noun
99	while	217	11		0.333	4	615.333	Adposition
100	same	217	27		0.100	4	608.133	Quantifier

Table 12.2: Words Re-Ranked When Splitting the Composite Frequency List by Conflicting Parts of Speech

New Rank	Original Composite Rank	English Word	Rank Score	Part Of Speech	Part Of Speech Score	Rank Score Adjusted for Parts of Speech
54	15	but	1855.767	Adposition	0.500	927.884
57	28	so	1348.833	Coordinating Conjunction	0.667	899.222
83	48	do	1011.333	Verb	0.667	674.222
87	51	go	994.000	Verb	0.667	662.667
92	15	but	1855.767	Adverb	0.333	618.589
95	60	as	895.867	Adverb	0.667	597.245
97	61	about	886.567	Adposition	0.667	591.045
111	81	know	721.333	Verb	0.667	480.889
113	85	take	700.500	Verb	0.667	467.000
114	88	even	692.667	Adverb	0.667	461.778
119	28	so	1348.833	Adverb	0.333	449.611
174	80	some	731.500	Adjective	0.500	365.750
195	48	do	1011.333	Noun	0.333	337.111
197	51	go	994.000	Noun	0.333	331.333
202	15	but	1855.767	Coordinating Conjunction	0.167	309.295
209	60	as	895.867	Subordinating Conjunction	0.333	298.622
210	61	about	886.567	Adverb	0.333	295.522
241	80	some	731.500	Noun	0.333	243.833
243	81	know	721.333	Noun	0.333	240.444
249	85	take	700.500	Noun	0.333	233.500
250	88	even	692.667	Adjective	0.333	230.889
252	74	like	806.100	Adjective	0.286	230.314
317	74	like	806.100	Adposition	0.238	191.929
343	74	like	806.100	Adverb	0.190	153.543
350	80	some	731.500	Personal Pronoun	0.167	121.917
351	74	like	806.100	Subordinating Conjunction	0.143	115.157
357	74	like	806.100	Noun	0.095	76.771
358	74	like	806.100	Verb	0.048	38.386

Table 12.3: Part-of-Speech Category Distributions in the Composite Frequency List[4]

Part of Speech	All		Russian		German		French		Spanish		Latin	English	
Rank %	<= 100	> 100	<= 100	> 100	<= 100	> 100	<= 100	> 100	<= 100	> 100	<= 100	<= 100	> 100
Adposition	19.149	14.341	21.588	31.177	20.391	37.222	16.91	6.94	16.486	22.744	12.534	16.676	16.17
Verb	11.352	19.932	11.486	9.069	17.058	0	17.818	20.434	11.67	8.93	9.148	18.029	17.872
Personal Pronoun	10.838	0.765	8.514	0	12.016	0	9.17	2.461	5.632	0	6.144	10.583	0.426
Noun	9.162	23.983	14.05	17.025	8.166	0	12.537	16.226	9.148	15.182	23.709	9.891	23.404
Coordinating Conjunction	7.95	1.833	4.889	1.292	5.443	0	3.024	14.132	5.019	0	16.068	3.101	2.553
Adjective	7.454	8.997	3.931	14.701	9.226	26.33	9.916	15.635	5.637	10.112	8.369	6.535	10.638
Relative/Interrogative Pronoun	7.11	2.64	10.137	1.54	4.72	0	8.865	0	7.48	0	1.297	0	2.979
Possessive Pronoun	5.229	1.914	3.598	6.458	3.355	0	4.33	0	3.43	8.106	4.316	7.005	1.702
Adverb	5.199	2.527	6.243	5.221	5.443	10.811	4.464	1.389	3.486	12.958	0.69	7.402	1.702
Quantifier	3.881	6.371	4.187	0	5.054	20.195	4.488	5.818	6.696	6.656	2.751	3.796	6.809
Subordinating Conjunction	2.422	1.556	2.139	1.231	3.403	0	1.337	0	3.242	7.194	1.104	2.384	1.277
Negation	2.245	1.94	3.989	0	1.326	0	3.509	0	2.095	3.852	0.988	2.112	1.702
Number	2.194	0.851	1.663	2.461	1.883	5.441	2.208	0	3.201	0	0.339	1.937	0.851

[4] Technically, the English translations for these compound categories should have been set to the lowest possible rank or N/A, since they cannot occur in single words, only in phrases in English. The distinction turned out to be unimportant though.

Demonstrative Pronoun	1.933	1.687	2.275	1.629	0.851	0	0.955	4.282	2.929	0	2	1.944	1.702
Definite Article	1.901	0	0	0	0	0	0	0	6.084	0	1.107	1.174	0
Reflexive Pronoun	1.392	2.206	1.31	6.627	1.963	0	0.47	12.682	1.218	0	1.947	5.209	3.404
Indefinite Article	0.587	0.733	0	0	0	0	0	0	2.199	0	0	2.221	0
Adjective + Demonstrative Pronoun	0	0.556	0	0	0	0	0	0	1.023	0	0	0	0.426
Conjunction + Pronoun	0	0.312	0	0	4.493	0	0	0	0	0	0.36	0	0.426
Interjection	0	0.712	0	0.755	0	0	0	0	0	0	0.84	0	0.851
Adposition + Article	0	1.203	0	0	0	0	0	0	1.177	0	1.044	0	0.851
Adposition + Pronoun	0	0.392	0	0	0.652	0	0	0	0	0	0	0	0.426
Pronoun + Verb	0	4.342	0	0	0	0	0	0	2.148	4.266	5.244	0	3.404
Relative/Interrogative Pronoun + Verb	0	0.208	0	0.814	0	0	0	0	0	0	0	0	0.426

Table 12.4: The Top 100 Voynich Words Ranked by Document Counts, with Early Group Definitions and Final Parts of Speech

Word Count Rank	Word	Word Count	General Usage Score	Original Group	Final Part of Speech	Word Count Rank	Word	Word Count	General Usage Score	Original Group	Final Part of Speech
1	daiin	858	0.99148	daiin Relatives	a-Base Verb	51	cseeol	112	0.35712	cse	o-Base Noun
2	ol	549	0.96691	[ao][lr]	o-Base Noun	51	ctey	112	0.74982	cte	y-Base Modifier
3	ceedy	499	0.77827	ce	y-Base Modifier	53	qokey	109	0.54682	qo[fptk]	o-Base Noun
4	aiin	475	0.86730	daiin Relatives	a-Base Verb	54	okeedy	107	0.34984	[yo]-Noun	o-Base Noun
5	cseedy	429	0.61663	cse	y-Base Modifier	55	dair	106	0.73973	daiin Relatives	a-Base Verb
6	ceol	394	0.84567	ce	o-Base Noun	56	csey	105	0.75013	cse	y-Base Modifier
7	or	377	0.96262	[ao][lr]	o-Base Noun	57	qokol	104	0.54806	qo[fptk]	o-Base Noun
8	ar	365	0.95346	[ao][lr]	a-Base Verb	58	oky	103	0.87860	[yo]-Noun	o-Base Noun
9	ceey	339	0.82367	ce	y-Base Modifier	59	oteedy	102	0.34536	[yo]-Noun	o-Base Noun
10	dar	321	0.91111	[ds][ao] + dy	a-Base Verb	60	ceeor	98	0.54915	ce	o-Base Noun
11	qokeey	306	0.51078	qo[fptk]	o-Base Noun	60	cseor	98	0.54635	cse	o-Base Noun
12	qokeedy	304	0.41467	qo[fptk]	o-Base Noun	62	dam	97	0.87226	[ds][ao] + dy	a-Base Verb
13	cseey	286	0.65172	cse	y-Base Modifier	62	otain	97	0.52097	[yo]-Noun	o-Base Noun
14	qokain	280	0.48678	qo[fptk]	o-Base Noun	64	ceody	94	0.54181	ce	o-Base Noun
15	qokedy	275	0.49080	qo[fptk]	o-Base Noun	65	r	93	0.92804	Single-Symbol	Adposition/Clitic
16	al	266	0.95171	[ao][lr]	a-Base Verb	66	qotedy	92	0.33148	qo[fptk]	o-Base Noun
17	dy	264	0.95070	[ds][ao] + dy	y-Base Modifier	67	ain	88	0.84724	daiin Relatives	a-Base Verb
18	qokaiin	262	0.38017	qo[fptk]	o-Base Noun	67	ceeody	88	0.33428	ce	o-Base Noun
19	dal	250	0.90074	[ds][ao] + dy	a-Base Verb	69	qoty	87	0.73465	qo[fptk]	o-Base Noun
20	s	244	0.96876	Single-Symbol	Adposition/Clitic	70	otol	86	0.74427	[yo]-Noun	o-Base Noun
21	ceor	216	0.78701	ce	o-Base Noun	71	am	84	0.92665	a-Initial	a-Base Verb
22	dain	209	0.78118	daiin Relatives	a-Base Verb	71	cseeedy	84	0.19992	cse	y-Base Modifier
22	okaiin	209	0.43462	[yo]-Noun	o-Base Noun	73	okol	83	0.73370	[yo]-Noun	o-Base Noun
24	qokal	192	0.58587	qo[fptk]	o-Base Noun	73	sar	83	0.87032	[ds][ao] + dy	a-Base Verb
25	cseol	189	0.59347	cse	o-Base Noun	75	o	81	0.91638	Single-Symbol	o-Base Noun
26	okeey	176	0.58650	[yo]-Noun	o-Base Noun	75	qotaiin	81	0.18949	qo[fptk]	o-Base Noun
27	ceeey	173	0.58882	ce	y-Base Modifier	77	air	79	0.86520	daiin Relatives	a-Base Verb
28	ceeol	169	0.58688	ce	o-Base Noun	78	cectey	77	0.32611	ce	y-Base Modifier
29	otedy	163	0.57505	[yo]-Noun	o-Base Noun	79	raiin	75	0.52193	daiin Relatives	a-Base Verb
30	cey	155	0.88315	ce	y-Base Modifier	80	dor	74	0.86747	[ds][ao] + dy	o-Base Noun
31	qokar	153	0.57178	qo[fptk]	o-Base Noun	80	qoteedy	74	0.18283	qo[fptk]	o-Base Noun
32	otaiin	152	0.38615	[yo]-Noun	o-Base Noun	80	sol	74	0.84603	[ds][ao] + dy	o-Base Noun
33	qol	151	0.86637	qo- Other	o-Base Noun	83	cear	69	0.72145	ce	a-Base Verb
34	cedy	150	0.75992	ce	y-Base Modifier	83	qokcey	69	0.31481	qo[fptk]	o-Base Noun
35	y	149	0.95765	Single-Symbol	y-Base Modifier	85	ceo	68	0.85346	ce	o-Base Noun
36	cseeey	146	0.38406	cse	y-Base Modifier	85	sain	68	0.70390	daiin Relatives	a-Base Verb
36	qoky	146	0.76175	qo[fptk]	o-Base Noun	87	ceeo	66	0.71908	ce	o-Base Noun
38	otar	145	0.75995	[yo]-Noun	o-Base Noun	88	ceeky	65	0.51257	ce	y-Base Modifier
39	okain	144	0.56350	[yo]-Noun	o-Base Noun	88	kaiin	65	0.51492	[fptk]a	a-Base Verb
39	saiin	144	0.57073	daiin Relatives	a-Base Verb	88	okeol	65	0.50479	[yo]-Noun	o-Base Noun
41	otal	143	0.75876	[yo]-Noun	o-Base Noun	91	okey	64	0.70274	[yo]-Noun	o-Base Noun
42	ceckey	142	0.38017	ce	y-Base Modifier	91	qotain	64	0.30667	qo[fptk]	o-Base Noun
42	okal	142	0.75537	[yo]-Noun	o-Base Noun	93	qotar	63	0.50672	qo[fptk]	o-Base Noun
44	okar	140	0.75196	[yo]-Noun	o-Base Noun	93	qotcey	63	0.30566	qo[fptk]	o-Base Noun
45	oteey	139	0.56836	[yo]-Noun	o-Base Noun	95	cseckey	61	0.16774	cse	y-Base Modifier
46	cseo	131	0.75809	cse	o-Base Noun	96	cteol	60	0.50104	cte	o-Base Noun
47	okedy	120	0.53554	[yo]-Noun	o-Base Noun	96 (57)	odaiin	60	0.30097	[yo]-Noun	o-Base Noun
48	lceedy	119	0.35484	l + ce	y-Base Modifier	96	ykeey	60	0.50783	[yo]-Noun	o-Base Noun
49	dol	117	0.86641	[ds][ao] + dy	o-Base Noun	99	ceeedy	59	0.29380	ce	y-Base Modifier
50	oty	116	0.88591	[yo]-Noun	o-Base Noun	100 (84)	oly	58	0.82122	[yo]-Noun	o-Base Noun

Table 12.5: Counts of [ao][lr] and *am* in Labels Adjacent to Nouns

Caption Initiator	2nd Position	All	Figures	Non-Figures
Suspected Noun ($w^{Noun} > 0$)	ar	16	9	7
	or	8	4	4
	ol	5	3	2
	al	5	3	2
	am	4	4	0
ar	Noun	1	1	0

Table 12.6: Adjacency Substitution Patterns for [ds][ao][lr]

Word	Count	ol	or	ar	al	am	dy	Other (mainly *daiin* Relatives)		
dal	250	ol #3 dol #10 pol #12 qol #30 tol #39 sol #45 cteol #59	or #16 dor #46 sor #75	dar #1 ar #49 sar #52 kar #80	al #26 sal #69 kal #86	dam #44 am #76	dy #2 lceedy #33	daiin #4 dain #8 dair #34	saiin #37 ctey #53 aiin #57 raiin #74	daly #77 kaiin #85 dary #91 lkaiin #93
dar	323	ol #1 dol #14 pol #16 qol #27 sol #37 tol #66	or #2 sor #39 dor #49 lor #90	ar #10 sar #32 kar #57 tar #63	dal #6 al #15 sal #54	dam #48 am #59	dy #9 lceedy #60 kedy #83 ody #91	dain #3 daiin #5 dair #19 aiin #22	saiin #25 sain #43 ain #56 raiin #70 kaiin #71	kain #79 lkaiin #81 ary #96 daly #97
dol	117	pol #1 ol #8 sol #10 qol #25 tol #30 cteol #54	or #18 dor #21 kor #52 sor #56	dar #2 sar #26 kar #40 ar #86 tar #100	dal #4 sal #34 al #66	dam #9	dy #5 lceedy #64 keedy #74 kedy #98	daiin #6 dain #7 dair #17	ctey #36 sain #43 saiin #48 daiiin #60 kaiin #62	daly #63 raiin #76 lkaiin #84 dary #91
dor	73	ol #3 sol #5 pol #11 tol #14 dol #16 cteol #42 qol #62 ckeol #82 kol #95 dceol #100	or #6 **qor #12** sor #17 cteor #36 kor #59	dar #18 kar #23 ar #38 sar #75	dal #19 al #61	am #46 dam #55	dy #27	dain #2 **kaiin #13** daiin #15 **lkain #24** daly #26	raiin #30 dair #31 ctey #64 oiin #67 sain #72 ary #76	dary #77 ain #78 aiin #88 daiiin #94 oaiin #100
sal	55	pol #1 ol #19 dol #20 sol #28 tol #43 cteol #51 **qol #53** lol #89	**sor #17** or #32 kor #62 lor #75 dor #91	dar #15 tar #37 sar #50 lkar #67 ar #85	dal #30 al #93 kal #98		lceedy #34 lcseedy #38 dy #82	dain #16 saiin #52 daiiin #55 daiin #57	lkain #58 dary #63 dair #64 ary #68	oiin #73 lkeey #80 sair #94 sain #100
sar	83	pol #1 **sol #9** **qol #22** dol #23 ol #32 tol #36	or #6 **sor #10** **qor #28** lor #39 dor #60 kor #71 por #79 ror #86	**ar #4** dar #7 lkar #27 tar #37 oar #38 kar #50	dal #25 sal #57	dam #69 am #82	lceedy #65 dy #67	**sain #16** dair #34	saiin #46 dain #48 ain #52 daiin #58	os #85 sair #93 lkaiin #99
sol	73	**qol #1** pol #2 ol #4 tol #7 dol #8 lol #55	**sor #5** dor #9 or #27 kor #41 lor #53 qor #83	sar #11 dar #15 kar #39 lkar #97	dal #21 **sal #36** al #79	dam #71	dy #37 lceedy #64 kedy #84	dain #13 **sain #22** **raiin #28** **saiin #34** daiin #47	rain #45 dair #52 lkain #54	kain #89 ain #92 daly #93
sor	57	pol #1 sol #3 tol #18 **qol #28** ol #40 dol #47 rol #77	or #7 **qor #10** dor #16 kor #26 tor #38 lor #42 por #52 cteor #99	**sar #5** kar #8 dar #12 tar #19 ar #54 lkar #74	**sal #23** dal #43		oeedy #97 dy #100	**sain #9** dain #21 dair #25 **saiin #36**	oaiin #39 kain #44 sair #48 ain #56 daly #62	daiin #66 raiin #84 dary #87 lkain #88
lal	7	pol #6 **keeol #30** **qol #47** tol #80 arol #81			kal #78	kam #24 aram #61 sam #63 lam #85	daldy #40 teedy #49 arody #68 lceedy #95 kedy #100	**laiin #14** ary #65 ot #70	octey #74 lky #76 dl #77 rain #79	das #85 ockey #92 daly #97 daiiin #99
lar	6	pol #19 arol #34	por #36	tar #46 oar #60		**sam #5** **lam #87**	**lkceedy #52** **rceedy #71** **dceedy #80**	**ary #30** **lr #34** **da #48**	dom #53 dary #69	octey #70 das #98
lol	43	pol #2 **qol #24** **tol #25** ol #35 sol #41 kol #70 dceol #86	**lor #59** **ror #69** **qor #75** dor #84	tar #51 dar #62	**kal #27** sal #72 dal #82		**lceedy #7** **lcseedy #34** **kedy #63** **lkedy #74** **lkeedy #88** **keedy #90**	**lkaiin #30** **sair #36** key #48 cteey #49	lceey #54 dary #55 raiin #57 lkain #60 ary #76	dain #77 daiiin #78 lkeey #85 sain #91 dl #92
lor	43	pol #1 **qol #26** sol #43 lol #53 ol #63 tol #67 rol #96	or #3 **qor #17** por #27 ror #31 sor #32 kor #65	**tar #4** **lkar #6** **rar #17** **sar #25** ar #33 kar #34 dar #42 oar #54	ral #57 sal #61	**sam #92** am #95	**lceedy #83** **kedy #87**	**raiin #20** ain #21 **lkain #38** **sair #40** ary #45	sain #46 os #47 lkaiin #52 daiiin #66 lkeey #73	dain #74 taiin #79 kain #81 rain #98
ral	17	pol #3 **rol #10** tol #52 keol #89	**lor #27** kor #74 qor #79 ror #88	**rar #79** lkar #99	tal #50 kal #55	**lam #18** **sam #62**	**lceedy #64** **rceedy #82** **arody #92**	**lkain #4** **lkl #20** lceey #22 lceeey #28	sair #33 tain #40 daiiin #56 raiin #61 dary #73	ees #85 dl #89 tair #91 teey #97
rar	22	pol #3 **qol #31** keeol #35	**kor #5** **lor #18** **qor #54**	tar #27 lkar #33 kar #36	**kal #8** sal #81	**lam #17** **sam #23** **kam #90**	keedy #60 kedy #77	**kain #6** **sair #37** **tair #42**	tain #58 lkain #64 das #70	taiin #87 raiin #89 doiin #91

		tol #46 keol #65 ol #73	por #65 or #80 sor #86	sar #92		dam #98		daiiin #44 kaiin #49 sain #50	dl #72 daly #76 lkaiin #78 ary #82	dary #96 ain #99 lkl #100
rol	20	pol #9 **qol #49** sol #54 keeol #75 yceeol #80	**qor #4** **ror #5** sor #45 lor #79 kor #81	lkar #59 sar #85 kar #94	ral #12	**kam #53** aram #90	**lceedy #40** oeedy #78 **lkedy #95**	oaiin #10 **lkain #18** lceey #19 dl #37	raiin #41 ty #51 sain #55 laiin #56	rain #57 teey #60 ary #84 daly #89 dom #99
ror	17	rol #3 pol #4 **lol #36** keeol #93	**qor #11** **lor #16** por #64 or #97	sar #37 tar #42 lkar #44 oar #50 kar #76		**sam #45** **ram #70** **lam #84**	**lkeedy #40** **lceedy #88** **ldy #98**	**lkain #12** lkeey #25 lcseey #34 **raiin #35** ary #47	lceeey #49 daiiin #52 teey #54 lceey #60 sair #67 ly #71 lky #74	dary #77 ycseey #80 das #84 dan #87 tair #93 rain #99

Table 12.7: Shift in *daiin* Partners for the [dlrs][ao][lr], *dam*, *dy* and qo[lr] Categories

Word	daiin Relatives
[dlrs][ao][lr]	
dal (250)	raiiin (2.4469), sain (0.4460), saiin (0.3873), daiin (0.3286), raiin (0.2798), dain (0.2715), rain (0.2712), laiin (0.1607), daiiin (0.1105)
dar (321)	raiiin (4.4385), sain (0.5698), dain (0.4345), lain (0.3652), daiin (0.3063), saiin (0.2643), rain (0.2419), raiin (0.2130), laiiin (0.2097), daiiin (0.1207), laiin (0.0806)
dol (117)	**laiiin** (0.4231), sain (0.1768), daiin (0.1678), dain (0.1539), saiin (0.1120), laiin (0.0569), raiin (0.0544), daiiin (0.0413), rain (0.0165)
dor (74)	saiiin (0.7554), daiin (0.1276), daiiin (0.1067), dain (0.1001), raiin (0.0865), saiin (0.0480), sain (0.0301)
lal (7)	saiin (0.0143), raiin (0.0115), dain (0.0046), daiin (0.0035)
lar (6)	raiin (0.0325), saiin (0.0266), rain (0.0131), daiin (0.0082), sain (0.0049), dain (0.0037)
lol (43)	raiiin (0.3939), laiin (0.1874), sain (0.1463), rain (0.0696), dain (0.0682), saiin (0.0631), daiiin (0.0595), daiin (0.0264), raiin (0.0152)
lor (43)	raiiin (0.6453), sain (0.1123), rain (0.1075), raiin (0.0764), saiin (0.0578), dain (0.0435), daiiin (0.0328), laiin (0.0304), daiin (0.0222)
ral (17)	raiiin (0.3911), sain (0.0575), saiin (0.0448), rain (0.0370), dain (0.0247), raiin (0.0154), daiin (0.0075)
rar (22)	rain (0.0583), sain (0.0373), saiin (0.0262), raiin (0.0242), daiin (0.0096), dain (0.0089)
rol (20)	sain (0.0557), raiin (0.0494), dain (0.0379), rain (0.0219), saiin (0.0135), daiin (0.0104)
ror (17)	**laiin** (0.0316), saiin (0.0282), sain (0.0249), dain (0.0217), raiin (0.0215), daiin (0.0115)
sal (55)	raiiin (0.9888), saiiin (0.3152), sain (0.1177), saiin (0.1059), raiin (0.0850), dain (0.0636), laiin (0.0550), rain (0.0484), daiin (0.0447), daiiin (0.0328)
sar (83)	raiiin (1.8687), sain (0.1576), rain (0.1284), saiin (0.1262), raiin (0.1094), dain (0.0984), daiin (0.0571)
sol (74)	raiiin (1.8659), saiiin (0.3043), sain (0.2474), saiin (0.1401), dain (0.1186), daiin (0.0714), laiin (0.0529), raiin (0.0470), rain (0.0292)
sor (57)	**laiin** (0.1055), sain (0.0918), dain (0.0752), saiin (0.0706), daiin (0.0584), daiiin (0.0414), raiin (0.0284)
dam Group	
am (84)	saiin (0.1335), lain (0.1083), sain (0.1021), raiin (0.0716), daiin (0.0501), rain (0.0467), dain (0.0418), laiin (0.0363)
dam (97)	lain (0.1659), daiin (0.1287), saiin (0.1048), dain (0.1046), laiin (0.0854), daiiin (0.0589), raiin (0.0470), sain (0.0360), rain (0.0199)
lam (6)	daiin (0.0002)
ram (14)	raiin (0.0386), sain (0.0362), rain (0.0327), saiin (0.0269), daiiin (0.0253), dain (0.0133), daiin (0.0051)
sam (10)	raiin (0.0247), saiin (0.0232), daiin (0.0050)
dy	
ddy (2)	dain (0.0079), sain (0.0057), saiin (0.0036)
dy (264)	dain (0.0024), daiin (0.0015)
ldy (26)	saiiin (0.3533), dain (0.3462), daiin (0.3057), sain (0.2231), saiin (0.2156), raiin (0.1667), daiiin (0.1558), rain (0.0827), laiin (0.0408)
ody (49)	**lain** (0.1927), dain (0.0545), sain (0.0446), saiin (0.0282), daiin (0.0253), daiiin (0.0234), raiin (0.0108)
ydy (8)	daiin (0.0430), saiin (0.0427), dain (0.0236), daiiin (0.0227), raiin (0.0125), sain (0.0091)
ady (1)	raiin (0.0344), rain (0.0162), daiin (0.0121), saiin (0.0098), sain (0.0061)
qo[lr]	
qol (151)	raiiin (2.1955), sain (0.5356), rain (0.5231), laiin (0.3681), raiin (0.3182), dain (0.2925), saiin (0.2392), lain (0.1875), daiiin (0.1675), daiin (0.1507)
qor (22)	rain (0.1252), raiin (0.0684), sain (0.0553), saiin (0.0287), dain (0.0261), daiin (0.0144)

Table 12.8: Shift in [dlrs][ao][lr] Partners for the [dlrs][ao][lr], *dam*, *dy* and qo[lr] Categories

Word	[dlrs][ao][lr] Relatives
[dlrs][ao][lr]	
dal (250)	rol (0.7510), ral (0.4957), sal (0.4794), lal (0.4619), dar (0.4507), dol (0.4333), sol (0.4250), sar (0.3860), lor (0.3743), rar (0.3428), ror (0.3215), lar (0.2882), sor (0.2670), lol (0.2660), dor (0.2659)
dar (321)	rol (0.7625), al (0.6041), dal (0.5787), lol (0.5546), sor (0.5404), sol (0.5121), dol (0.4836), lor (0.4328), sal (0.4326), sar (0.3708), lal (0.3361), dor (0.2437), rar (0.2429), ror (0.2417), lar (0.0860)
dol (117)	dor (0.2454), sol (0.2437), rol (0.2231), ror (0.2227), sor (0.2064), dal (0.2028), sal (0.1914), lor (0.1899), lol (0.1826), dar (0.1763), lar (0.1521), ral (0.1069), lal (0.0930), sar (0.0586), rar (0.0269)
dor (74)	dol (0.1552), lar (0.1395), sor (0.1294), sol (0.1156), dal (0.0787), sal (0.0587), dar (0.0562), rol (0.0497), sar (0.0379), ror (0.0323), rar (0.0310), lor (0.0108), lol (0.0078)
lal (7)	sor (0.0171), dal (0.0129), sar (0.0121), sol (0.0121), dar (0.0073), dol (0.0056), sal (0.0025)
lar (6)	lor (0.0199), sal (0.0176), dor (0.0113), sar (0.0088), dol (0.0078), dal (0.0069), lol (0.0068), dar (0.0016)
lol (43)	ral (0.2330), sal (0.1553), sol (0.1262), sor (0.1259), lor (0.0911), rol (0.0880), dar (0.0743), dol (0.0671), ror (0.0549), lar (0.0485), sar (0.0461), dal (0.0457), rar (0.0260), dor (0.0045)
lor (43)	ral (0.1446), lar (0.1429), ror (0.1248), sal (0.1121), lol (0.0911), rol (0.0853), sor (0.0751), dol (0.0698), dal (0.0644), dar (0.0580), sol (0.0504), sar (0.0503), rar (0.0432), dor (0.0063)
ral (17)	lol (0.0921), sal (0.0853), sol (0.0828), ror (0.0663), lor (0.0572), sor (0.0443), rol (0.0337), dal (0.0337), dar (0.0320), sar (0.0212), dol (0.0155)
rar (22)	sor (0.0600), sar (0.0442), sol (0.0374), dal (0.0302), rol (0.0260), lor (0.0221), dar (0.0166), lol (0.0133), dor (0.0092), sal (0.0092), dol (0.0051)
rol (20)	ror (0.0864), dal (0.0601), dar (0.0475), lol (0.0409), lor (0.0397), ral (0.0397), dol (0.0381), sal (0.0344), rar (0.0237), sol (0.0223), sar (0.0169), dor (0.0134)
ror (17)	rol (0.0735), ral (0.0663), sor (0.0576), lor (0.0493), dol (0.0324), sal (0.0222), dal (0.0219), lol (0.0217), sol (0.0203), dar (0.0128), sar (0.0111), dor (0.0074)
sal (55)	ral (0.2761), lol (0.1986), lar (0.1614), lor (0.1433), sol (0.1356), sor (0.1202), dal (0.1055), rol (0.0946), dol (0.0900), dar (0.0741), sar (0.0732), ror (0.0719), dor (0.0436), rar (0.0229), lal (0.0193)
sar (83)	sol (0.1801), rar (0.1667), lal (0.1438), dal (0.1281), lar (0.1221), sal (0.1104), ral (0.1033), lor (0.0972), dar (0.0959), lol (0.0890), sor (0.0772), rol (0.0701), ror (0.0542), dor (0.0425), dol (0.0416)
sol (74)	ral (0.3605), sor (0.2202), lol (0.2172), sal (0.1824), sar (0.1606), dol (0.1541), lal (0.1279), dal (0.1258), rar (0.1256), dar (0.1180), dor (0.1156), ror (0.0882), lor (0.0867), rol (0.0826)
sor (57)	ror (0.1932), sol (0.1696), lol (0.1669), rar (0.1554), ral (0.1486), lal (0.1394), sal (0.1245), dol (0.1005), dor (0.0996), lor (0.0996), dar (0.0960), dal (0.0609), sar (0.0530)
dam Group	
am (84)	sar (0.1122), dal (0.0913), lor (0.0906), dar (0.0883), lol (0.0645), sor (0.0636), sal (0.0632), ror (0.0577), ral (0.0526), dor (0.0327), lal (0.0270), dol (0.0183), sol (0.0138)
dam (97)	dol (0.2524), dal (0.2025), dor (0.1590), dar (0.1290), lar (0.1263), sol (0.1261), sal (0.1232), ror (0.0947), sar (0.0928), lor (0.0526), sor (0.0524), rol (0.0431), lol (0.0153)
lam (6)	rar (0.0357), lol (0.0183), sor (0.0174), dal (0.0158), sal (0.0131), dol (0.0069), sar (0.0049), dar (0.0039)
ram (14)	lal (0.1411), lar (0.0820), ral (0.0562), lor (0.0313), sor (0.0304), lol (0.0277), sal (0.0253), dor (0.0115), dal (0.0108), sol (0.0072), dol (0.0050), dar (0.0024)
sam (10)	sal (0.0178), sar (0.0155), sor (0.0140), dal (0.0074), dar (0.0044)
dy	
ady (1)	lor (0.0105), dar (0.0030)

ddy (2)	dor (0.0232), dar (0.0047)
dy (264)	**dor** (0.6432), **dol** (0.4236), **dal** (0.4146), **sor** (0.3848), dar (0.3689), rol (0.3669), sol (0.3433), lol (0.3008), ror (0.2932), sar (0.2462), sal (0.2138), lor (0.1464), rar (0.0976), lal (0.0541), ral (0.0116)
ldy (26)	lol (0.0966), sol (0.0746), dar (0.0455), lor (0.0355), sor (0.0354), dor (0.0314), dal (0.0229), rar (0.0188), dol (0.0169), sar (0.0104)
ody (49)	dol (0.0741), dal (0.0711), sal (0.0654), sor (0.0613), dar (0.0541), lor (0.0448), ral (0.0386), dor (0.0376), sol (0.0356)
ydy (8)	**lar** (0.1534), sor (0.0268), lol (0.0225), lor (0.0218), sal (0.0173), dar (0.0106), dal (0.0104), dol (0.0085)
qo[lr]	
qol (151)	**rol** (0.8505), **ror** (0.7017), **ral** (0.6938), lol (0.6796), sal (0.6320), lor (0.5518), lal (0.5208), dal (0.4722), sol (0.4207), dol (0.3527), lar (0.3515), dar (0.2888), rar (0.2565), sor (0.2500), sar (0.2331), dor (0.0611)
qor (22)	**ror** (0.1103), **lor** (0.0847), dal (0.0815), sar (0.0642), ral (0.0557), rol (0.0509), dol (0.0333), dor (0.0267), lol (0.0215), dar (0.0187), sol (0.0179)

Table 12.9: Shift in *dam*, *dy* and qo[lr] Partners for the [dlrs][ao][lr], *dam*, *dy* and qo[lr] Categories

Word	dam Group	dy + Prefixes	qo[lr]
[dlrs][ao][lr]			
dal (250)	**lam** (0.6565), dam (0.5219), am (0.2718), ram (0.1921), sam (0.1848)	dy (0.3926), ody (0.3626), ydy (0.3259), ldy (0.2203)	**qor (0.9263), qol (0.7817)**
dar (321)	dam (0.4270), am (0.3374), lam (0.2104), sam (0.1413), ram (0.0553)	**ady** (0.9677), **ddy** (0.7535), **ldy** (0.5616), **dy** (0.4485), **ydy** (0.4254), ody (0.3541)	**qol (0.6140), qor (0.2723)**
dol (117)	dam (0.3044), lam (0.1343), ram (0.0414), am (0.0255)	dy (0.1877), ody (0.1768), ydy (0.1240), ldy (0.0761)	qol (0.2733), qor (0.1773)
dor (74)	dam (0.1213), ram (0.0608), am (0.0288)	**ddy** (0.8600), dy (0.1803), ldy (0.0893), ody (0.0568)	qor (0.0898), qol (0.0300)
lal (7)	**ram** (0.0706), am (0.0023)	dy (0.0014)	qol (0.0241)
lar (6)	**ram** (0.0351), dam (0.0078)	**ydy** (0.1151)	qol (0.0140)
lol (43)	**lam** (0.1311), **ram** (0.0851), am (0.0330), dam (0.0068)	ldy (0.1597), ydy (0.1212), dy (0.0490)	qol (0.1935), qor (0.0420)
lor (43)	**ram** (0.0960), am (0.0464), dam (0.0233)	**ady** (0.4516), **ydy** (0.1171), **ldy** (0.0588), **ody** (0.0393), dy (0.0238)	qor (0.1656), qol (0.1571)
ral (17)	**ram** (0.0683), am (0.0107)	**ody** (0.0134), dy (0.0007)	qol (0.0781), qor (0.0431)
rar (22)	**lam** (0.1311)	**ldy** (0.0159), dy (0.0081)	qol (0.0374)
rol (20)	dam (0.0089)	dy (0.0278)	qol (0.1126), qor (0.0462)
ror (17)	dam (0.0166), am (0.0117)	dy (0.0189)	qor (0.0852), qol (0.0790)
sal (55)	**lam** (0.1197), ram (0.0994), sam (0.0978), dam (0.0699), am (0.0414)	ydy (0.1190), ody (0.0734), dy (0.0445)	qol (0.2302)
sar (83)	**sam** (0.1283), am (0.1108), dam (0.0794), lam (0.0676)	dy (0.0774), ldy (0.0331)	qor (0.2422), qol (0.1281)
sol (74)	dam (0.0962), ram (0.0378), am (0.0121)	**ldy** (0.2123), dy (0.0962), ody (0.0538)	qol (0.2062), qor (0.0601)
sor (57)	**lam** (0.1650), **ram** (0.1238), **sam** (0.0800), am (0.0431), dam (0.0308)	ydy (0.1907), dy (0.0831), ldy (0.0777), ody (0.0713)	qol (0.0944)
dam Group			
am (84)	dam (0.0751), sam (0.0639), ram (0.0450)	ydy (0.1227), ody (0.0868), dy (0.0705), ldy (0.0374)	qor (0.2436), qol (0.0351)
dam (97)	lam (0.2949), am (0.0867), ram (0.0373)	ydy (0.2532), ddy (0.2292), dy (0.1354), ldy (0.0540), ody (0.0526)	qor (0.1048), qol (0.0613)
lam (6)	dam (0.0182)		qol (0.0258)
ram (14)	am (0.0075), dam (0.0054)	ady (0.7419), ydy (0.0714), dy (0.0086)	qol (0.0123)
sam (10)	am (0.0076)		qol (0.0037)
dy			
ady (1)	ram (0.0530)	dy (0.0024)	
ddy (2)	dam (0.0047)	dy (0.0196)	
dy (264)	dam (0.3686), am (0.2216), ram (0.1618)	ddy (2.5855), ady (0.6452), ldy (0.3706), ydy (0.2281), ody (0.1803)	qor (0.3684), qol (0.3412)
ldy (26)	dam (0.0145), am (0.0116)	ody (0.0495), dy (0.0365)	qol (0.0682), qor (0.0319)
ody (49)	am (0.0506), dam (0.0266)	ldy (0.0932), ydy (0.0882), dy (0.0335)	qol (0.0224)
ydy (8)	ram (0.0408), dam (0.0209), am (0.0117)	ody (0.0144), dy (0.0069)	qol (0.0105)
qo[lr]			
qol (151)	lam (0.6505), ram (0.1322), dam (0.0955), am (0.0631), sam (0.0556)	ldy (0.3958), ddy (0.3239), ydy (0.1974), dy (0.1952), ady (0.1935), ody (0.0691)	
qor (22)	am (0.0638), dam (0.0238)	dy (0.0307), ldy (0.0270)	qol (0.0043)

Table 12.10: Shift by [dlrs] + Suffix Group for the [dlrs][ao][lr], *dam*, *dy* and qo[lr] Categories

Subsets	dy Suffix Group	daiin Suffix Group	dam Suffix Group	Double [dlrs]
[dlrs][ao][lr]				
- lar	0.5114-1.1986			
- ror, lal	0.1446-0.6916			
da[lr] + d[ao]r		0.6916-0.7449		
- da[lr] + d[ao]r		0.1446-0.6916		
da[lr]			1.2846-2.0140	0.9337-0.9633
- da[lr]				0.2596-0.6660
[lr]al, [ls][ao]r, sa[lr]			0.1629-0.8158	
dam Group				
dam group - lam				0.2186-0.4114
dam, am	0.3960-0.6783	0.4120-0.5745	0.5978-0.6379	
ram		0.9783		0.8159
dy Group				
dy	1.0457-1.0457			0.8159
dy Prefixes [lyo]dy -[da]dy	0.2072-0.6471			
dy + [loy]dy		0.4269-0.5386		
dy + ody			0.9644-1.0297	
[dlyo]dy - ady				0.2358-0.3407
qo[lr]				
both		0.6545-0.9502	0.3913-0.8684	0.5170-1.1421
qol alone	0.7542			

Table 12.11: Unexpected Absences of Phrases Incorporating [dlrs][ao][lr], *dam*, *dy*, qo[lr] and Related Categories

Comparison Category	Word Count	Counts Expected	Actual	Reversed	Difference	Reversed Difference	Directional Directional Difference	Expected Directional Disparity	Directional Disparity	Directional Disparity Difference
[dlrs] Duplifixes (137)										
[yo][fptk]	6335	21.588	11	22	10.588	-0.412	11.000	-0.9784	-0.5000	-0.4784
qo	5084	17.325	8	17	9.325	0.325	9.000	-0.9731	-0.5294	-0.4436
a-Other	807	2.750	8	3	-5.250	-0.250	-5.000	-0.8302	0.6250	-1.4552
daiin Relatives	1598	5.445	10	2	-4.555	3.445	-8.000	-0.9143	0.8000	-1.7143
[dlrs][ao][lr]	1729	5.892	10	5	-4.108	0.892	-5.000	-0.9208	0.5000	-1.4208
[ao][lr]	630	2.147	6	2	-3.853	0.147	-4.000	-0.7825	0.6667	-1.4492
ce	5906	20.126	17	29	3.126	-8.874	12.000	-0.9768	-0.4138	-0.5630
cse	3259	11.106	14	4	-2.894	7.106	-10.000	-0.9580	0.7143	-1.6722
l[fptk]	506	1.724	4	5	-2.276	-3.276	1.000	-0.7292	-0.2000	-0.5292
[dlrs]o Other	366	1.247	1	5	0.247	-3.753	4.000	-0.6257	-0.8000	0.1743
[dlrs][ao][lr] (172)										
qo	5084	218.646	135	259	83.646	-40.354	124.000	-0.6599	-0.4788	-0.1811
[yo][fptk]	6335	272.447	198	278	74.447	-5.553	80.000	-0.7271	-0.2878	-0.4393
cse	3259	140.159	207	105	-66.841	35.159	-102.000	-0.4695	0.4928	-0.9622
a-Other	807	34.706	73	21	-38.294	13.706	-52.000	0.5333	0.7123	-0.1791
[fptk]c	1024	44.039	24	41	20.039	3.039	17.000	0.4078	-0.4146	0.8224
[yo] Other	1235	53.113	73	34	-19.887	19.113	-39.000	0.2857	0.5342	-0.2485
[dlrs][ao][lr]	1729	74.358	94	94	-19.642	-19.642	0.000	0.0000	0.0000	0.0000
c[fptk]e	854	36.728	19	43	17.728	-6.272	24.000	0.5061	-0.5581	1.0642
ce	5906	253.997	267	286	-13.003	-32.003	19.000	-0.7072	-0.0664	-0.6408
l[fptk]	506	21.761	10	23	11.761	-1.239	13.000	0.7073	-0.5652	1.2726
[dlrsy]c	1034	44.469	55	53	-10.531	-8.531	-2.000	0.4020	0.0364	0.3656
[fptk]e	574	24.686	15	24	9.686	0.686	9.000	0.6680	-0.3750	1.0430
[fptk]o	589	25.331	17	18	8.331	7.331	1.000	0.6593	-0.0556	0.7149
[yo]c	531	22.837	30	14	-7.163	8.837	-16.000	0.6929	0.5333	0.1596
[yo][dlrs]	1595	68.596	75	67	-6.404	1.596	-8.000	0.0775	0.1067	-0.0292
[ao][lr]	630	27.094	33	20	-5.906	7.094	-13.000	0.6356	0.3939	0.2417
dy and Prefixes	347	14.923	20	23	-5.077	-8.077	3.000	0.7993	-0.1304	0.9297
Single-Symbol List	508	21.847	17	11	4.847	10.847	-6.000	0.7062	0.3529	0.3532
[yo]i	66	2.838	7	1	-4.162	1.838	-6.000	0.9618	0.8571	0.1047
daiin Suffix Group	70	3.010	7	5	-3.990	-1.990	-2.000	0.9595	0.2857	0.6738
[yo]e	186	7.999	11	5	-3.001	2.999	-6.000	0.8924	0.5455	0.3470
dam Group	211	9.074	12	17	-2.926	-7.926	5.000	0.8780	-0.2941	1.1721
daiin Relatives	1598	68.725	66	51	2.725	17.725	-15.000	0.0758	0.2273	-0.1515
[fptk]a	497	21.374	19	18	2.374	3.374	-1.000	0.7126	0.0526	0.6599
[dlrs] Duplifixes	137	5.892	5	10	0.892	-4.108	5.000	0.9208	-0.5000	1.4208
qo[lr]	172	7.397	8	2	-0.603	5.397	-6.000	0.9005	0.7500	0.1505
dy Variants Possibly	65	2.795	3	6	-0.205	-3.205	3.000	0.9624	-0.5000	1.4624
dam Group (211)										
ce	5906	30.997	14	29	16.997	1.997	15.000	-0.9643	-0.5172	-0.4470
qo	5084	26.683	12	15	14.683	11.683	3.000	-0.9585	-0.2000	-0.7585
[dlrsy]c	1034	5.427	15	4	-9.573	1.427	-11.000	-0.7959	0.7333	-1.5293
[dlrs][ao][lr]	1729	9.074	17	12	-7.926	-2.926	-5.000	-0.8780	0.2941	-1.1721
[yo]c	531	2.787	10	0	-7.213	2.787	-10.000	-0.6026	1.0000	-1.6026
cse	3259	17.104	11	4	6.104	13.104	-7.000	-0.9353	0.6364	-1.5716
c[fptk]e	854	4.482	0	6	4.482	-1.518	6.000	-0.7529	-1.0000	0.2471
a-Other	807	4.235	0	10	4.235	-5.765	10.000	-0.7385	-1.0000	0.2615
daiin Relatives	1598	8.387	12	15	-3.613	-6.613	3.000	-0.8680	-0.2000	-0.6680
[fptk]e	574	3.013	0	4	3.013	-0.987	4.000	-0.6324	-1.0000	0.3676
[fptk]a	497	2.608	2	9	0.608	-6.392	7.000	-0.5755	-0.7778	0.2023
[dlrs]ai Other	72	0.378	0	4	0.378	-3.622	4.000	0.6588	-1.0000	1.6588
dy and Prefixes (347)										
dy and Prefixes	347	2.995	16	16	-13.005	-13.005	0.000	0.0000	0.0000	0.0000
ce	5906	50.976	40	61	10.976	-10.024	21.000	-0.9412	-0.3443	-0.5970
cse	3259	28.129	20	24	8.129	4.129	4.000	-0.8935	-0.1667	-0.7269
[dlrs][ao][lr]	1729	14.923	23	20	-8.077	-5.077	-3.000	-0.7993	0.1304	-0.9297
[dlrsy]c	1034	8.925	17	4	-8.075	4.925	-13.000	-0.6644	0.7647	-1.4291
[yo] Other	1235	10.659	4	5	6.659	5.659	1.000	-0.7190	-0.2000	-0.5190
[yo]c	531	4.583	11	4	-6.417	0.583	-7.000	-0.3465	0.6364	-0.9829
a-Other	807	6.965	1	6	5.965	0.965	5.000	-0.5700	-0.8333	0.2633
[fptk]o	589	5.084	10	3	-4.916	2.084	-7.000	-0.4109	0.7000	-1.1109
[yo][dlrs]	1595	13.767	9	10	4.767	3.767	1.000	-0.7824	-0.1000	-0.6824
[ao][lr]	630	5.438	1	4	4.438	1.438	3.000	-0.4492	-0.7500	0.3008
l[fptk]	506	4.367	1	1	3.367	3.367	0.000	-0.3142	0.0000	-0.3142
[yo]a	92	0.794	4	0	-3.206	0.794	-4.000	0.7349	1.0000	-0.2651
c[fptk]e	854	7.371	5	13	2.371	-5.629	8.000	-0.5937	-0.6154	0.0217
[fptk | b][dlrsy]	97	0.837	3	5	-2.163	-4.163	2.000	0.7205	-0.4000	1.1205
dy Suffix Group (71)										
[dlrsy]c	1034	1.826	5	3	-3.174	-1.174	-2.000	-0.9313	0.4000	-1.3313
qo	5084	8.979	11	13	-2.021	-4.021	2.000	-0.9860	-0.1538	-0.8322
dy Variants Possibly (65)										
[yo]c	531	0.859	6	0	-5.141	0.859	-6.000	-0.8776	1.0000	-1.8776
[dlrsy]c	1034	1.672	6	3	-4.328	-1.328	-3.000	-0.9371	0.5000	-1.4371
qo	5084	8.220	4	10	4.220	-1.780	6.000	-0.9872	-0.6000	-0.3872
ce	5906	9.549	6	12	3.549	-2.451	6.000	-0.9890	-0.5000	-0.4890
daiin Relatives	1598	2.584	6	4	-3.416	-1.416	-2.000	-0.9593	0.3333	-1.2927
[yo][fptk]	6335	10.242	7	6	3.242	4.242	-1.000	-0.9897	0.1429	-1.1326
[dlrs][ao][lr]	1729	2.795	6	3	-3.205	-0.205	-3.000	-0.9624	0.5000	-1.4624
qo[lr] (172)										
ce	5906	25.267	51	23	-25.733	2.267	-28.000	-0.9709	0.5490	-1.5199
qo	5084	21.751	3	30	18.751	-8.249	27.000	-0.9662	-0.9000	-0.0662
cse	3259	13.943	31	24	-17.057	-10.057	-7.000	-0.9472	0.2258	-1.1730
[yo][fptk]	6335	27.103	12	17	15.103	10.103	5.000	-0.9728	-0.2941	-0.6787

[fptk]e	574	2.456	10	2	-7.544	0.456	-8.000	-0.7003	0.8000	-1.5003
a-Other	807	3.453	9	1	-5.547	2.453	-8.000	-0.7869	0.8889	-1.6758
[dlrs][ao][lr]	1729	7.397	2	8	5.397	-0.603	6.000	-0.9005	-0.7500	-0.1505
qo[lr]	172	0.736	5	5	-4.264	-4.264	0.000	0.0000	0.0000	0.0000
c[fptk]e	854	3.654	0	0	3.654	3.654	0.000	-0.7986	0.0000	-0.7986
daiin Relatives	1598	6.837	4	3	2.837	3.837	-1.000	-0.8924	0.2500	-1.1424
[yo][dlrs]	1595	6.824	9	11	-2.176	-4.176	2.000	-0.8922	-0.1818	-0.7103
[dlrsy]c	1034	4.424	4	13	0.424	-8.576	9.000	-0.8337	-0.6923	-0.1413
a[lr] Prefix Group (403_										
ce	5906	59.202	30	43	29.202	16.202	13.000	-0.9318	-0.3023	-0.6294
qo	5084	50.963	28	23	22.963	27.963	-5.000	-0.9207	0.1786	-1.0993
cse	3259	32.669	19	13	13.669	19.669	-6.000	-0.8763	0.3158	-1.1921
[yo]c	531	5.323	15	4	-9.677	1.323	-11.000	-0.2411	0.7333	-0.9744
[yo][fptk]	6335	63.503	73	67	-9.497	-3.497	-6.000	-0.9364	0.0822	-1.0186
[yo] Other	1235	12.380	18	32	-5.620	-19.620	14.000	-0.6737	-0.4375	-0.2362
c[fptk]e	854	8.561	3	3	5.561	5.561	0.000	-0.5281	0.0000	-0.5281
daiin Relatives	1598	16.019	21	20	-4.981	-3.981	-1.000	-0.7478	0.0476	-0.7954
[fptk]e	574	5.754	2	2	3.754	3.754	0.000	-0.2979	0.0000	-0.2979
[ao][lr]	630	6.315	3	41	3.315	-34.685	38.000	-0.3603	-0.9268	0.5665
[yo][dlrs]	1595	15.988	14	11	1.988	4.988	-3.000	-0.7473	0.2143	-0.9616
Single-Symbol List	508	5.092	4	10	1.092	-4.908	6.000	-0.2067	-0.6000	0.3933
[dlrsy]c	1034	10.365	10	1	0.365	9.365	-9.000	-0.6103	0.9000	-1.5103
[fptk]c	1024	10.265	10	4	0.265	6.265	-6.000	-0.6064	0.6000	-1.2064
a-Other	807	8.089	8	22	0.089	-13.911	14.000	-0.5006	-0.6364	0.1357
[fptk]a	497	4.982	5	14	-0.018	-9.018	9.000	-0.1891	-0.6429	0.4537

Table 12.12: Notable Words Unlikely to be Conjunctions Due to Participation in 2-Word Labels

Word	Document Count	Length	Qualifying Instance Count	Qualifying Labels
d	51	1	1	f69v Lunar Mansion #18
m	10	1	1	Rosette #4 Volcano-Shaped Protrusion
o	81	1	1	f68r3 Star Quadrant #4 Star #2
s	244	1	1	f69v Lunar Mansion #22
am	84	2	3	Pisces Interior #9, Pisces Outer #8, f67r2 Inner Quadrant #3
an	7	2	1	Leo Interior #5
ar	365	2	2	Taurus Light Outer #8, f69r Exterior Quadrant #2
dy	264	2	3	Pisces Outer #12, Gemini Outer #6, f69v Lunar Mansion #17
or	377	2	3	Pisces Outer #2, f84r Pool #17 Nymph #2, Cancer Middle Ring 11
sy	38	2	1	Rosette #8 Exterior Label #5
air	79	3	1	Rosette #8 Exterior Label #1
aly	29	3	1	f70r1 Mushroom Separators #9
ary	28	3	4	Taurus Dark Interior #3, Gemini Outer #4, f67v1 Diagram Exterior Ring #3, Rosette #9 Canister #4
dal	250	3	2	f75v Pool #3 Nymph #7, f68r3 Star Quadrant #8 Star #1
dam	97	3	1	f70r1 Mushroom Separators #5
dar	321	3	4	Pisces Outer #6, Aries Light Interior #5, f67r1 Stars #6, f67v1 Diagram Exterior Ring #4
rar	22	3	2	Pisces Outer #11, Virgo Interior #11
sal	55	3	3	Aries Dark Outer #1, f75r Pool #1 Nymph #1, f67r1 Stars #10
sam	10	3	1	f70r1 Mushroom Separators #6
sar	83	3	4	Pisces Interior #9, f67r1 Stars #11, f68v1 Exterior Stars #7, f69v Lunar Mansion #24
tol	50	3	1	f67r2 Face #3
aiin	475	4	3	Cancer Middle Ring #2, Leo Interior #7, f68v2 Star Divider #6
alol	10	4	1	f65r
aram	12	4	1	f67r2 Outer #Ring #11
arar	8	4	2	Aries Light Outer #9, Rosette #9 Canister #2
ceam	20	4	1	Gemini Interior #8
cear	69	4	2	Taurus Light Outer #9, Taurus Dark Outer #4
cedy	150	4	1	f68r3 Star Quadrant #4 Star #3
ceol	394	4	1	f68r2 Star #30
csey	105	4	1	f69r Exterior Quadrant #4
daly	31	4	2	f75r Pool #1 Nymph #2, Rosette #2 Castle 3 Lighthouse-Like
daro	3	4	2	f75r Pool #1 Nymph #3, f68v2 Star Divider #8
sair	30	4	2	f68v1 Exterior Stars #1, Rosette #8 Exterior Label #8
sary	9	4	2	Aries Light Outer #7, f68v2 Stars #2
sols	3	4	1	f75r Pool #1 Nymph #3
daiin	858	5	4	Virgo Outer #18, f67r2 Face #3, f82r Tube #1, f68v2 Star Divider #7

Table 12.13: Composite Ranks of Adposition Types for 6 Natural Languages, Adjusted for Competing English Part-of-Speech Senses

Adjusted Composite Rank	English Word	Adjusted Composite Score	Adjusted Instance Count	Adposition Type	Adjusted Composite Rank	English Word	Adjusted Composite Score	Adjusted Instance Count	Adposition Type
1	for	2159.433	12	Instrumental	29	among	364.000	2	Spatial, Property
2	in	1972.000	10	Temporal + Spatial	30	around	310.000	2	Spatial, Measurement
3	with	1860.000	8	Property	31	front	301.333	3	Spatial
4	to	1778.667	11	Directional	32	afterwards	284.667	2	Temporal
5	by	1673.667	10	Instrumental	33	at all	276.667	2	Measurement
6	from	1611.000	10	Directional	34	toward	270.400	3	Directional
7	at	1389.533	10	Temporal + Spatial	35	on top of	269.500	2	Spatial
8	already	1369.667	6	Temporal	36	in front of	258.000	2	Spatial
9	of	1103.833	8	Property	37	as well	246.167	3	Measurement
10	after	992.100	5	Temporal	38	behind	242.400	2	Spatial
11	on	986.833	6	Temporal + Spatial	39	along	224.333	2	Spatial
12	without	928.000	4	Property	40	attached to	216.000	2	Property
13	but	927.884	10	Property	41	out of	216.000	2	Directional
14	from the	764.000	3	Directional	42	by now	215.000	2	Temporal
15	between	698.000	3	Spatial, Measurement	43	as for	210.400	2	Instrumental

16	over	668.467	5	Spatial, Measurement	44	in order that	205.000	2	Instrumental
17	until	667.000	3	Temporal	45	of which	205.000	2	Instrumental
18	while	615.333	4	Temporal	46	instead of	204.000	2	Measurement
19	about	591.045	7	Measurement	47	up to	202.600	2	Measurement
20	above	499.167	4	Spatial, Measurement	48	nowadays	197.667	2	Temporal
21	during	488.000	3	Temporal	49	so that	197.333	2	Instrumental
22	under	474.800	3	Spatial	50	according to	196.667	2	Instrumental
23	through	450.667	3	Temporal	51	up there	196.333	2	Spatial
24	out	439.000	2	Directional	52	like	191.929	5	Property
25	before	436.200	4	Temporal	53	in the presence of	191.500	2	Spatial
26	than	436.000	2	Measurement	54	against	168.167	2	Spatial
27	into	381.000	2	Directional	55	ago	164.667	2	Temporal
28	in order to	375.167	4	Instrumental	56	up	97.667	1	Spatial

Table 13.1: Early $w_{\lambda}^{\mathcal{G}=\text{Noun}}$ "Noun Score" Values

Noun Score	Distinct Count	Word Count	Share of Distinct Words	Share of All Words in the Document
0.80	1454	6646	0.18064	0.17707
0.64	514	2635	0.06386	0.07020
0.48	494	1227	0.06137	0.03269
0.32	622	4542	0.07728	0.12101
0.24	352	1993	0.04373	0.05310
0.16	229	517	0.02845	0.01377
0.00	4384	19973	0.54466	0.53215

Table 13.2: Document and Distinct Counts for 73 Word Categories

Category	Distinct Word Count	Distinct Count in the Top 100	Document Count	Document %
[yo][fptk]	1518	21	6792	17.725
ce	1057	18	5935	15.489
qo	731	19	5095	13.297
cse	545	10	3279	8.557
[yo][dlrs]	524	2	1674	4.369
[fptk]c	399	0	1027	2.68
[dlrsy]c	331	1	1039	2.712
[dlrs][ao][lr]	328	6	1785	4.658
[fptk]o	306	0	601	1.568
[yo]c	249	0	548	1.43
c[fptk]e	213	2	857	2.237
[dlrs]o Other	195	0	388	1.013
[fptk]e	163	0	576	1.503
a[lr] Prefix Group	155	0	409	1.067
[yo]e	153	0	223	0.582
l[fptk]	140	0	507	1.323
[fptk]a	117	1	501	1.307
Floating e-Sequence	102	0	142	0.371
daiin Suffix Group	87	0	115	0.3
[dlrs] Duplifixes	82	0	143	0.373
[dlrs][fptk]	59	0	64	0.167
[dlrs]e	58	0	70	0.183
dy Suffix Group	57	0	76	0.198
[dlrs]a Other	52	0	99	0.258
[fptk | b][dlrsy]	51	0	99	0.258
qe	47	0	62	0.162
[dlrs]ai Other	44	0	74	0.193
Single-Symbol Word	31	4	795	2.075
yo	28	0	32	0.084
[yo]a	28	0	96	0.251
ai-Initial Other	27	0	48	0.125
[yo]q	24	0	26	0.068
daiin Relatives	23	9	2315	6.042
q[fptk]	22	0	26	0.068
[yo] Other	22	0	103	0.269
a[fptk]	20	0	24	0.063
[yo]i	18	0	68	0.177
qc	17	0	22	0.057
dam Suffix Group	16	0	19	0.05
oy	15	0	15	0.039
ac Prefix Group	14	0	19	0.05
c[fptk]c	12	0	22	0.057
[lrs]y Suffixed Version	10	0	11	0.029
oo	10	0	12	0.031
x-Initial	8	0	10	0.026
ad Prefix Group	8	0	11	0.029
a-Other	8	0	20	0.052
c[fptk]o	7	0	12	0.031
x-2nd Letter	7	0	7	0.018
qy	6	0	8	0.021
dy and Prefixes	6	1	350	0.913
dam Group	5	2	211	0.551
Special Symbol	5	0	5	0.013
g-Initial	5	0	5	0.013
[dlrs] + i-Sequence	5	0	5	0.013
[ao][lr]	4	4	1557	4.063
c[fptk]a	4	0	4	0.01
qa	4	0	5	0.013
cc	4	0	4	0.01
co	4	0	4	0.01
cso	3	0	3	0.008
dy Variants Possibly	3	0	65	0.17
c[fptk]y	3	0	8	0.021
a + e-Sequence	3	0	3	0.008
Floating i-Sequence	2	0	2	0.005
qo[lr]	2	1	173	0.451
qs	2	0	2	0.005
v-Initial	2	0	2	0.005
rn	1	0	1	0.003
qlky	1	0	1	0.003
cy	1	0	2	0.005
cs	1	0	4	0.01
[fptk] + i-Sequence	1	0	1	0.003

Table 13.3: Target Frequency Bands for the Optimization Clustering Trial #65

	Distinct Count		Document Share			Document Rank		Noun%		Distribution Peak Rank	Expected Grammatical Behavior
Name	Min	Max	Min	Max	Increment	Min	Max	Min	Max		
Noun			0.13	0.3	0.01	1	1			6	Noun
Verb			0.1	0.2	0.01	4	2	0.5	0.77	5	Verb
Preposition			0.12	0.22	0.01	4	1			4	Preposition
Adjective			0.06	0.17	0.01	4	3			6	Adjective
Adverb			0.005	0.08	0.01	7	4			6	Adjective
Quantifier			0.02	0.07	0.01	10	5			6	Adjective
Negation	0	4	0.00988	0.04	0.01	10	6			1	Neutral
Coordinating Conjunction	4	12	0.003024	0.16	0.01	10	4			2	Neutral
Subordinating Conjunction	4	12	0.001104	0.04	0.008	10	5			3	Neutral
Article	0	8	0.001107	0.07	0.008	10	5			0	Adjective

Table 13.4: Actual Frequency Bands for Iteration #104, Optimization Clustering Trial #65

Name	Cluster Probability	Actual Document Probability	Distinct Count Target	Distinct Count	Intra-Cluster Distance	Grammatical Inter-Cluster Distance	Grammatical Intra-Cluster Distance	Actual Target Document Probability Discrepancy	Distinct Count Discrepancy
Noun	0.23	0.22998		1612	0.10347	0.09302	0.05116	-0.00002	
Verb	0.16	0.18821		2039	0.0834	0.09351	0.05386	0.028213	
Preposition	0.14	0.21513		2001	0.10797	0.09318	0.053	0.075135	
Adjective	0.13	0.13255		1418	0.03986	0.09242	0.0504	0.002557	
Adverb	0.065	0.02388		278	0.0013	0.09706	0.05434	-0.04113	
Quantifier	0.06	0.03598		290	0.0025	0.09781	0.05374	-0.02403	
Negation	0.0298	0.00387	1	1	0	0	0	-0.02601	0
Coordinating Conjunction	0.113024	0.11288	12	12	0.02035	0.060379	0.02145	-0.00014	0
Subordinating Conjunction	0.025104	0.01136	8	7	0.00016	0.08908	0.03823	-0.01375	-1
Article	0.017107	0.01658	5	4	0.00016	0.07993	0.03481	-0.00053	-1

Table 13.5: Affix Segmentation via the Indices of Synthesis and Agglutination

Affix Definition	Distinct Words	Document Counts	Index of Agglutination Minimum (Document-Wide)	Index of Synthesis (Document-Wide)	Affix Definition	Distinct Words	Document Counts	Index of Agglutination Minimum (Document-Wide)	Index of Synthesis (Document-Wide)
Document	**8216**	**38318**	**0.43668**	**2.04086**					
Infixes									
e	5881	22101	0.46176	2.15762	i	1468	7061	0.40397	1.87622
Either	6693	27917	0.44845	2.06759	Neither	1523	10401	0.40510	1.96913
Combinations									
ol- + -[dlrs]y	62	327	0.49388	3.52788	ce- + -dy	133	1134	0.49514	2.14726
[yo][fptk]- + -[dlrs]y	274	1522	0.48981	2.82588	cs- + -dy	75	769	0.49869	2.17295
Prefixes									
					a-	285	2012	0.11257	1.28330
					am-	12	96	0.0625	1.125
ol-	303	1645	0.49148	2.67986	al-	96	509	0.23379	1.55599
_ol-	276	933	0.47052	2.43837					
[ktds]ol-	137	464	0.48275	2.50646					
or-	97	632	0.48655	2.15348	ar-	61	531	0.14595	1.35593
od-	59	263	0.48288	2.11787	ad-	9	12	0	1.91666
do-	106	377	0.47877	2.31564	da-	226	2349	0.48871	2.05789
so-	141	375	0.46666	2.504	sa-	82	514	0.49124	2.06420
ro-	37	98	0.48979	2.47959	ra-	36	203	0.48522	2.26590
[yo][fptk]-	1521	6807	0.48244	2.26590	Non-[yo][fptk]	6695	31511	0.42680	1.99225
y[fptk]	388	1261	0.45955	2.21808					
o[fptk]	1133	5546	0.48764	2.27677	a[fptk]	20	24	0.02083	1.75
yl	13	17	0.5	2.47058	y- minus [y][fptk]	240	647	0.36244	1.95208
[fptk] 2nd									
[fptk]-	2028	8367	0.46223	2.18405					
lk-	100	443	0.48532	2.19864					
l[fptk]-	139	506	0.47924	2.22529	d[fptk]-	31	35	0.4	2.06451
qo[fptk]	490	4447	0.49235	2.20643	q[fptk]-	22	26	0.19230	2.11538
					c[fptk]-	228	892	0.34080	1.61403
					a[fptk]	20	24	0.02083	1.75
cs 1st or 2nd									
					c[*ts*]e	9703	1682	0.48603	1.99113
					ce	1057	5935	0.48854	2.01347
					cs	549	3286	0.48295	1.97961
					c-	1855	10140	0.47278	1.96489
					_c-	1022	2667	0.43232	2.08736
					_s-	611	3411	0.47991	1.97977
[fptk] 1st									
					[fptk]-	1041	2843	0.34699	1.77031
[fptk]ol-	114	261	0.42911	2.30651	[fptk]o-	305	600	0.39166	2.15
The q-Group									
					q-	833	5394	0.47608	2.16499
					qe-	47	62	0.00806	1.01612
qol-	46	253	0.49407	2.32806	qo-	5267	733	0.48614	2.18511
qo[fptk]	490	4447	0.49235	2.20643	q[fptk]-	22	26	0.19230	2.11538
dl	17	39	0.47435	2.26590	[dlrsy]-	2084	8787	0.44622	2.11710
dd-	9	11	0.45454	2.45454	ld-	13	49	0.5	2.16326
Suffixes									
					-l	953	5953	0.45313	1.99916
					-r	1160	5832	0.42412	1.95558
					-s	540	1377	0.36855	1.84313
					-m	393	1050	0.41095	1.98285
-dl	26	50	0.45	2.1	-d	346	661	0.40468	1.99546
-y	3136	15534	0.46671	2.23735	-g	92	118	0.29237	1.81355
-[dlrysmg][2] minus –dy	782	1440	0.45868	2.39305	-y minus -dy	2044	8745	0.45603	2.01989
-[dlrysmg]	6620	30525	0.44756	2.10365	NOT –[dlrysmg]	1596	7793	0.39407	1.79494
+ -y									
					-ky	145	734	0.46934	1.96594
-[dlrs]y	1501	7714	0.47977	2.50998	-[fptk]y	274	1254	0.45215	1.88686
-[dlrs]y with e-infixes	1105	6252	0.47888	2.50559	- [dlrs]y without e-	396	1462	0.48358	2.52872

-dy	1092	6789	0.48048	2.51745	infixes -gy	11	12	0.04166	1.83333
-[lrs]y	409	925	0.47459	2.45513	-my	9	9	0.22222	1.77777
-n									
					-n	980	6092	0.41234	1.88099
					-n_	38	44	0.42045	2.02272
-[ao]									
-o_	1312	6925	0.48036	2.06209	-a_	1309	5834	0.40426	1.91755
-ol	438	3594	0.48720	2.06149	-al	395	2094	0.41021	1.91977
-or	405	2286	0.48447	2.09492	-ar	508	2715	0.40276	1.90718
Other									
					-[fptk]	85	184	0.16576	1.15217

Table 13.6: [yo][fptk]-Initial Words Resulting from Prefix Ablation

Prefix	% of Prefixed Words Matching Roots	Non-Solitary to Solitary Word Ratios			% Solitary Words Prefixed	After Replacement %	Solitary Word Ratio Improvement	Total Distinct Word Reduction	
		Prefixed Words	Roots After Replacements	% Prefixed + Roots Prior to Replacement				All	Solitary
Roots (Baseline)		472:1049	472:1049	944:2098	68.968				
k	100	1:6	472:1049	473:1055	85.714	68.968	0.00076	7	6
r	100	0:5	472:1049	472:1054	100	68.968	0.00101	5	5
t	100	4:5	472:1049	476:1054	55.556	68.968	-0.00078	9	5
ê	100	0:1	472:1049	472:1050	100	68.968	0.00020	1	1
l	91.667	4:8	472:1050	476:1057	66.667	68.988	-0.00038	11	7
s	89.286	3:25	472:1052	475:1074	89.286	69.029	0.00306	25	22
d	87.805	9:32	476:1050	481:1081	78.049	68.807	0.00398	36	31
y	80	0:10	472:1051	472:1059	100	69.009	0.00161	8	8
p	70	0:10	472:1052	472:1059	100	69.029	0.00141	7	7
e	66.667	0:3	472:1050	472:1052	100	68.988	0.00040	2	2
o	63.636	0:11	472:1053	472:1060	100	69.049	0.00141	7	7
q	61.134	199:295	562:1151	671:1344	59.717	67.192	-0.00492	302	193
Digraphs									
oq	90.909	1:10	472:1050	473:1059	90.909	68.988	0.00137	10	9
ce	80.263	60:92	487:1064	532:1141	60.526	68.601	-0.00400	122	77
op	66.667	0:3	472:1050	472:1052	100	68.988	0.00040	2	2
Trigraphs									
dce	88.889	1:8	472:1050	473:1057	88.889	68.988	0.00096	8	7
cse	83.333	19:41	476:1055	491:1090	68.333	68.909	0.00034	50	35
ote	83.333	1:5	472:1050	473:1054	83.333	68.988	0.00036	5	4
cee	80.702	15:42	474:1058	487:1091	73.684	69.06	0.00078	46	33
pce	80	0:5	473:1049	472:1054	100	68.922	0.00146	4	5
oke	80	0:10	472:1051	472:1059	100	69.009	0.00161	8	8
Quadgraphs									
csee	100	4:20	473:1048	476:1069	83.333	68.902	0.00288	24	21
dcee	100	1:3	472:1049	473:1052	75	68.968	0.00015	4	3
otce	100	1:3	472:1049	473:1052	75	68.968	0.00015	4	3
ycee	100	1:1	472:1049	473:1050	50	68.968	-0.00024	2	1

Table 13.7: [yo][fptk]-Initial Words Resulting from Suffix Ablation

Suffix	% of Prefixed Words Matching Roots	Non-Solitary to Solitary Word Ratios			% Solitary Words Prefixed	After Replacement %	Distinct Matching Words After Subtraction	Solitary Word Ratio Improvement	Total Distinct Word Reduction	
		Prefixed Words	Roots After Replacements	% Prefixed + Roots Prior to Replacement					All	Solitary
Roots (Baseline)		472:1049	472:1049	944:2098	68.968					
k	100	2:1	473:1055	474:1050	33.333	69.045	3	-0.00146	-4	-5
p	100	0:2	473:1057	472:1051	100	69.085	2	-0.00076	-7	-6
t	50	1:1	476:1054	473:1050	50	68.889	1	0.00053	-7	-4
d	50	17:65	481:1081	489:1114	79.268	69.206	41	0.00288	41	33
a	47.368	2:17	472:1049	474:1066	89.474	68.968	9	0.00252	19	17
s	43.925	31:76	478:1068	503:1125	71.028	69.082	47	0.00021	82	57
o	39.683	22:41	472:1060	494:1090	65.079	69.191	25	-0.00377	52	30
g	28	1:24	472:1049	473:1073	96	68.968	7	0.00437	25	24
l	27.907	54:118	477:1054	526:1167	68.605	68.844	48	0.00086	162	113
y	26.705	178:350	472:1059	650:1399	66.288	69.17	141	-0.00893	518	340
m	25.843	24:65	472:1049	496:1114	73.034	68.968	23	0.00224	89	65
f	25	0:4	472:1049	472:1053	100	68.968	1	0.00081	4	4
r	17.467	79:150	472:1054	551:1199	65.502	69.069	40	-0.00555	224	145
n	4.046	59:114	472:1049	531:1163	65.896	68.968	7	-0.00313	173	114
B	0	0:1	472:1049	472:1050	100	68.968	0	0.00020	1	1
Î	0	0:1	472:1049	472:1050	100	68.968	0	0.00020	1	1
Digraphs										
÷B	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
cf	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
cs	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
ai	100	1:0	472:1049	473:1049	0	68.968	1	-0.00045	1	0
ef	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
ke	100	0:2	472:1050	472:1051	100	68.988	2	0.00020	1	1
kl	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
ka	100	0:3	472:1049	472:1052	100	68.968	3	0.00061	3	3
lm	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
kd	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
lr	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
ko	100	1:1	472:1049	473:1050	50	68.968	2	-0.00024	2	1
on	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1

oo	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
rk	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
pa	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
rl	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
ta	100	1:1	472:1049	473:1050	50	68.968	2	-0.00024	2	1
te	100	0:1	472:1051	472:1050	100	69.009	1	-0.00020	-1	-1
tl	100	1:0	472:1049	473:1049	0	68.968	1	-0.00045	1	0
ra	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
to	100	2:0	472:1049	474:1049	0	68.968	2	-0.00090	2	0
yg	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
ro	100	0:4	472:1049	472:1053	100	68.968	4	0.00081	4	4
sd	100	1:2	472:1049	473:1051	66.667	68.968	3	-4.52975E-05	3	2
yr	100	0:2	472:1049	472:1051	100	68.968	2	0.00040	2	2
yo	100	0:1	472:1049	472:1050	100	68.968	1	0.00020	1	1
ys	87.5	1:7	472:1049	473:1056	87.5	68.968	7	0.00096	8	7
yd	87.5	1:7	472:1050	473:1056	87.5	68.988	7	0.00076	7	6
yl	85.714	0:7	472:1049	472:1056	100	68.968	6	0.00142	7	7
ld	75	1:7	472:1049	473:1056	87.5	68.968	6	0.00096	8	7
ad	75	1:3	472:1049	473:1052	75	68.968	3	0.00015	4	3
dg	75	0:4	472:1049	472:1053	100	68.968	3	0.00081	4	4
do	75	1:3	472:1049	473:1052	75	68.968	3	0.00015	4	3
ag	71.429	1:6	472:1049	473:1055	85.714	68.968	5	0.00076	7	6
ls	70	2:8	472:1049	474:1057	80	68.968	7	0.00072	10	8
sy	68.75	3:13	472:1050	475:1062	81.25	68.988	11	0.00107	15	12
ky	68.421	5:14	472:1049	477:1063	73.684	68.968	13	0.00058	19	14
my	66.667	0:3	472:1049	472:1052	100	68.968	2	0.00061	3	3
an	66.667	3:6	472:1049	475:1055	66.667	68.968	6	-0.00013	9	6
dl	66.667	0:6	472:1049	472:1055	100	68.968	4	0.00121	6	6
dm	66.667	0:3	472:1049	472:1052	100	68.968	2	0.00061	3	3
ce	66.667	1:5	509:1082	473:1054	83.333	68.008	4	0.01016	-64	-28
gy	66.667	1:5	472:1049	473:1054	83.333	68.968	4	0.00056	6	5
as	64.706	4:13	472:1049	476:1062	76.471	68.968	11	0.00082	17	13
al	63.291	29:50	472:1049	501:1099	63.291	68.968	50	-0.00280	79	50
om	61.905	5:16	472:1049	477:1065	76.19	68.968	13	0.00098	21	16
am	60.377	18:35	472:1049	490:1084	66.038	68.968	32	-0.00098	53	35
da	60	1:9	472:1050	473:1058	90	68.988	6	0.00116	9	8
lo	60	1:4	472:1049	473:1053	80	68.968	3	0.00036	5	4
fy	60	1:4	472:1049	473:1053	80	68.968	3	0.00036	5	4
ty	55.556	2:7	472:1049	474:1056	77.778	68.968	5	0.00051	9	7
oy	53.846	7:6	472:1049	479:1055	46.154	68.968	7	-0.00193	13	6
ar	51	37:63	472:1052	509:1112	63	69.029	51	-0.00429	97	60
dr	50	0:2	472:1049	472:1051	100	68.968	1	0.00040	2	2
ay	50	1:5	472:1049	473:1054	83.333	68.968	3	0.00056	6	5
of	50	0:2	472:1049	472:1051	100	68.968	1	0.00040	2	2
lg	50	0:4	472:1049	472:1053	100	68.968	2	0.00081	4	4
ry	50	6:20	472:1049	478:1069	76.923	68.968	13	0.00133	26	20
os	48.387	11:20	472:1049	483:1069	64.516	68.968	15	-0.00088	31	20
or	44.737	32:44	472:1050	504:1093	57.895	68.988	34	-0.00547	75	43
dy	43.169	80:103	472:1050	552:1152	56.284	68.988	79	-0.01382	182	102
od	42.857	8:20	472:1049	480:1069	71.429	68.968	12	0.00044	28	20
ol	41.429	24:46	473:1052	496:1095	65.714	68.984	29	-0.00158	66	43
ly	40.816	14:35	472:1049	486:1084	71.429	68.968	20	0.00076	49	35
rd	33.333	0:3	472:1049	472:1052	100	68.968	1	0.00061	3	3
py	20	2:3	472:1049	474:1052	60	68.968	1	-0.00029	5	3
ll	20	0:5	472:1049	472:1054	100	68.968	1	0.00101	5	5

Table 13.8: [yo][dlrs]-Initial Words Resulting from Prefix Ablation

[yo][lr]					**[yo][ds]**				
Prefix	**Prefixed Word Count**	**% of Prefixed Words Matching Roots**	**Total Distinct Word Reduction (All)**	**Total Distinct Word Reduction (Solitary)**	**Prefix**	**Prefixed Word Count**	**% of Prefixed Words Matching Roots**	**Total Distinct Word Reduction (All)**	**Total Distinct Word Reduction (Solitary)**
Roots (Baseline)	420	0	420	276	Roots (Baseline)	116	0	116	83
a	1	100	1	1	**e**	1	100	1	1
e	1	100	1	1	**f**	2	100	4	4
x	5	100	2	2	**y**	4	100	2	2
y	2	100	5	3	**r**	8	87.5	7	5
r	18	88.889	16	12	**l**	10	80	8	3
l	22	86.364	19	12	**d**	16	75	12	10
q	54	83.333	45	28	**s**	13	69.231	9	2
f	14	71.429	10	9	**t**	17	64.706	11	3
s	56	71.429	40	24	**k**	19	63.158	12	8
t	42	66.667	28	24	**q**	31	61.29	19	6
o	3	66.667	2	2	**o**	4	50	2	2
p	58	58.621	34	22	**p**	20	40	8	4
d	59	57.627	34	25					
k	35	54.286	19	13					
B	1	0	0	0					
Digraphs									
al	10	90	9	5	**ke**	7	85.714	6	2
yt	9	88.889	8	6	**yt**	10	80	8	7
ol	13	84.615	11	7	**yk**	5	80	4	2
yk	11	81.818	9	7	**ee**	4	75	3	3
op	11	81.818	9	6	**ok**	16	75	12	7
ok	8	75	27	18	**ar**	7	71.429	5	3
or	36	75	6	3	**op**	10	70	7	6
ce	75	69.333	52	35	**ce**	33	69.697	23	14
ar	9	66.667	6	4	**te**	12	66.667	8	5
te	6	66.667	4	2	**et**	3	66.667	2	2
oe	5	60	3	2	**ot**	27	62.963	17	13
ld	2	50	1	0	**oe**	7	60	3	3
ot	48	45.833	22	17	**of**	10	50	1	1

Table 13.9: Top 25 Most Common Words Found at the Beginnings of Paragraphs

Word	Document Word Count	Paragraph Initiator Count	Share Participating in Paragraph Initiators
pol	24	15	62.5
tceedy	32	8	25
pceedy	34	8	23.529
tol	50	8	16
pceedar	11	7	63.636
polaiin	8	7	87.5
pceeol	11	6	54.545
pceey	12	6	50
pceor	12	6	50
tceor	19	6	31.579
tar	44	6	13.636
tcseedy	8	5	62.5
pceol	8	5	62.5
pceeor	5	5	100
polceedy	6	4	66.667
paiin	8	4	50
tcseol	6	4	66.667
pceeody	7	4	57.143
pceedal	5	4	80
pceedaiin	4	4	100
pcseeody	5	4	80
pcseol	5	4	80
podaiin	5	4	80
pdaiin	3	3	100
pcedair	4	3	75

Table 13.10: [fptk]-Group Words Resulting from Prefix Ablation

Prefix	% of Prefixed Words Matching Roots	Count of Prefixed Words	Non-Solitary to Solitary Word Ratios for Prefixes	Total Distinct Word Reduction (All)	Total Distinct Word Reduction (Solitary Words)
	0	1041	312:729	797	729
q	86.364	22	4:18	19	16
a	80	20	3:17	16	14
d	77.419	31	4:27	24	20
r	75	12	0:12	9	9
s	75	16	1:15	12	12
e	74.359	39	3:36	29	29
l	64.748	139	48:91	90	60
y	48.711	388	112:276	189	132
c	32.018	228	82:146	73	49
o	29.656	1133	360:773	336	214

Table 13.11: Prefix Ablation of [fptk]-Group Paragraph Initiators

Category	Initiator List	Distinct Paragraph Initiator Words	Count of Paragraphs Initiated	% of fptk Paragraph Initiators
ce	ceaiin, ceair, ceal, cear, cecsey, cedaiin, cedair, cedal, cedaldy, cedar, cedol, cedor, cee, ceeam, ceear, ceedaiin, ceedaiin, ceedain, ceedal, ceedar, ceedas, ceedol, ceedor, ceedy, ceeedy, ceeeody, ceeeos, ceeey, ceeo, ceeo, ceeo, ceeockey, ceeocpey, ceeodaiin, ceeodain, ceeodal, ceeodar, ceeodcey, ceeodl, ceeody, ceeokeey, ceeol, ceeoor, ceeor, ceeos, ceeoy, ceey, ceo, ceoar, ceoceor, ceoctey, ceod, ceodaiin, ceodaiin, ceodain, ceodair, ceodar, ceodar, ceodol, ceody, ceody, ceof, ceoiin, ceokcey, ceokcsey, ceokedy, ceoky, ceol, ceoldcey, ceoldy, ceolkaiin, ceolkeedy, ceolky, ceolor, ceor, ceoraiin, ceoror, ceotcey, cesy, cey	98	182	38.478
cse	csear, csedal, cseeos, cseeot, cseeody, cseody, cseeor, csedar, cseeodal, csedaiin, cseeeor, cseeodar, cseeoldy, cseoiin, csedol, csedor, cseedain, cseedar, cseedor, cseeoky, cseoar, cseodaiin, csey, cseod, cseol, csedy, cseor, cseo, cseey, cseeo, cseedy, cseed	51	77	16.279
olk Sans c[s]e	olor, olkeey, olkeeo, olal, olaiin, oly, old, olkedy, olar, olky, oldal, oldaiin, olkey, olkeeedy, olr, olteedy, oleeol, olkeedal, olos	23	32	6.765
Interior ce-Members	oceedy, oceor, oceey, olcey, ypceey, olcedy, oceol, olkcey, alced, olceal, olceor, olkcedy, dceody, oceaiin, oceeor, olceear, scedy, olceey, olceedy	24	29	6.131
Other I-Sequences	aiir, aiin, daiin, air, oaiin, ais, oiin, dair, ooiin, oir, airar, airody, aiiral, oair	20	27	5.708
ol	ol	2	23	4.863
[yo][drs] + I-Sequences	osairy, odaiir, ydain, orair, ydaiin, odair, oraiin, odain	14	22	4.651
Other o[dr]	odeey, odeeey, orory, odam, oror, orary, odar, odal, orol, oral, or, ody	16	20	4.228
Other a-Initial	aror, adar, alkeedy, arody, arair, alar, ar	8	13	2.748
E or OE Sequence Follows	oees, oeeo, eeody, eeol, eol, eol, eol, oeeaiin, oeeas, oedair, oeedy	11	11	2.326
Interior cse	olkcseey, olcseeol, dcseeody, ocseey, olcseo, ocseol, olcsey	8	9	1.903
[yo][fptk]	okol, okar, okain, otoy, ykedy, okary	7	7	1.48
oar	oar	4	5	1.057
oy	oy	1	3	0.634
al	al	2	2	0.423
dal	dal	1	2	0.423
dar	dar	1	2	0.423
dol	dol	2	2	0.423
o	o	1	1	0.211
salar	salar	1	1	0.211
sor	sor	1	1	0.211
om	om	1	1	0.211
osar	osar	1	1	0.211

Table 13.12: Decomposition into ce-Initial Words by Prefix Ablation

Prefix	% of Prefixed Words Matching Roots	Count of Prefixed Words	Non-Solitary to Solitary Word Ratios for Prefixes	Distinct Matching Words after Subtraction	Total Distinct Word Reduction (All)	Total Distinct Word Reduction (Solitary Words)
Roots (Baseline)	0	1057	365:692	0	1057	692
a	100	1	0:1	1	1	1
Š	100	1	0:1	1	1	1
q	100	3	0:3	3	3	3
c	100	1	0:1	1	1	1
s	89.744	39	13:26	35	35	25
r	85.185	27	7:20	23	23	17
o	85	40	10:30	34	34	26
d	81.522	92	28:64	75	75	58
l	81.25	64	30:34	52	52	25
e	80	5	0:5	4	4	4
k	79.688	64	25:39	51	51	31
y	78.049	82	30:52	64	64	43
t	77.5	80	27:53	62	62	42
f	76.744	43	9:34	33	33	29
p	72	100	36:64	72	72	45
al	100	14	4:10	14	14	10
qo	100	19	6:13	19	19	13
or	93.333	15	4:11	14	14	10
yt	90.625	32	10:22	29	29	22
ce	90	10	1:9	9	9	9
ol	90	50	16:34	45	45	36
ke	85.714	7	3:4	6	6	4
yf	85.714	7	1:6	6	6	5
ot	84.127	63	25:38	53	53	34
po	83.333	6	1:5	5	5	4
yk	81.25	32	10:22	26	26	17
yp	80.769	26	6:20	21	21	16
ok	80	55	23:32	44	44	28
os	80	5	0:5	4	4	4
of	80	25	6:19	20	20	16
op	78.333	60	21:39	47	47	31
ko	75	4	0:4	3	3	3
so	66.667	3	0:3	2	2	2
Trigraphs						
qok	94.444	36	16:20	34	34	19
qot	94.118	34	19:15	32	32	14
qof	92.308	13	5:8	12	12	7
cep	90	10	1:9	9	9	8
dal	88.889	9	3:6	8	8	5
oke	85.714	14	4:10	12	12	10
qop	85.294	34	11:23	29	29	21
olp	80	5	2:3	4	4	2
cet	80	5	1:4	4	4	3
ote	78.571	14	2:12	11	11	9

Table 13.13: Decomposition into *ce*-Initial Words by Suffix Ablation

Suffix	% of Prefixed Words Matching Roots	Count of Prefixed Words	Non-Solitary to Solitary Word Ratios for Prefixes	Distinct Matching Words after Subtraction	Total Distinct Word Reduction (All)	Total Distinct Word Reduction (Solitary Words)
Roots (Baseline)	0	1057	365:692	0	1057	692
p	100	5	2:3	5	-73	-47
f	100	4	1:3	4	-32	-23
t	75	8	1:7	6	-52	-32
a	72.727	11	1:10	8	10	9
g	71.429	7	3:4	5	7	4
k	62.5	8	3:5	5	-39	-25
s	52.632	57	13:44	30	28	24
o	41.667	36	13:23	15	4	1
d	40.909	44	9:35	18	-24	-13
e	40	10	4:6	4	6	3
l	30.357	112	47:65	34	74	45
m	26.531	49	14:35	13	49	35
r	21.379	145	46:99	31	128	88
y	20.092	433	160:273	87	375	238
n	3.15	127	48:79	4	127	79
x	0	1	0:1	0	1	1
Digraphs						
om	83.333	6	3:3	5	6	3
py	71.429	7	2:5	5	4	2
am	70.588	34	11:23	24	33	23
ol	46.296	54	25:29	25	34	16
od	37.5	16	3:13	6	11	11
ed	31.579	19	6:13	6	19	13
dy	30.827	133	49:84	41	129	81
im	25	4	0:4	1	4	4
ir	23.529	17	2:15	4	17	15
ey	9.73	185	75:110	18	185	110
in	4.464	112	44:68	5	112	68

Table 13.14: Decomposition into *cse*-Initial Words by Prefix Ablation

Prefix	% of Prefixed Words Matching Roots	Count of Prefixed Words	Non-Solitary to Solitary Word Ratios for Prefixes	Distinct Matching Words after Subtraction	Total Distinct Word Reduction (All)	Total Distinct Word Reduction (Solitary Words)
Roots (Baseline)	0	545	185:360	0	545	360
a	100	1	0:1	1	1	1
c	100	1	0:1	1	1	1
Œ	100	1	0:1	1	1	1
r	88.889	9	3:6	8	8	6
d	84.211	38	17:21	32	32	19
t	81.395	43	13:30	35	35	29
k	80	30	16:14	24	24	9
y	79.07	43	12:31	34	34	25
l	77.5	40	12:28	31	31	20
s	76.923	13	4:9	10	10	7
o	73.913	23	5:18	17	17	13
p	70	30	6:24	21	21	17
f	57.143	7	1:6	4	4	3
Digraphs						
or	85.714	7	1:6	6	6	5
op	84.615	13	2:11	11	11	10
ol	83.333	18	9:9	15	15	6
al	83.333	6	2:4	5	5	3
ot	80	20	6:14	16	16	10
ko	66.667	3	1:2	2	2	2
qo	60	5	1:4	3	3	2
ar	50	2	0:2	1	1	1
Trigraphs						
qol	100	6	4:2	6	6	2
qop	100	1	1:0	1	1	0
yta	100	1	0:1	1	1	1
qof	100	4	0:4	4	4	4
qot	100	7	5:2	7	7	2
sor	100	1	0:1	1	1	1
ocf	100	1	0:1	1	1	1
sal	100	1	0:1	1	1	2
yke	100	2	1:1	2	2	1
qok	90.909	11	5:6	10	10	5
dal	85.714	7	1:6	6	6	5

Table 13.15: Decomposition into cse-Initial Words by Suffix Ablation

Suffix	% of Prefixed Words Matching Roots	Count of Prefixed Words	Non-Solitary to Solitary Word Ratios for Prefixes	Distinct Matching Words after Subtraction	Total Distinct Word Reduction (All)	Total Distinct Word Reduction (Solitary Words)
Roots (Baseline)	0	545	185:360	0	545	360
g	100	1	0:1	1	1	1
k	100	4	3:1	4	-18	-10
p	100	2	0:2	2	-24	-16
x	100	2	0:2	2	2	2
t	83.333	6	2:4	5	-28	-19
a	80	5	1:4	4	4	3
d	76.923	13	5:8	10	-11	-4
e	66.667	9	4:5	6	9	5
o	50	24	6:18	12	5	4
s	50	22	7:15	11	11	8
l	31.746	63	19:44	20	34	26
m	30.435	23	7:16	7	23	16
r	24.59	61	19:42	15	53	37
y	15.294	255	90:165	39	225	144
n	3.636	55	22:33	2	55	33
Digraphs						
om	80	5	2:3	4	5	3
oy	75	4	2:2	3	2	0
ky	75	16	7:9	12	16	9
ry	75	4	1:3	3	4	3
od	75	4	2:2	3	0	-2
ly	71.429	14	2:12	10	14	12
ed	71.429	7	3:4	5	7	4
do	66.667	3	1:2	2	3	2
et	66.667	3	1:2	2	3	2
ls	66.667	3	1:2	2	3	2
ot	66.667	3	1:2	2	-7	-5
ty	66.667	9	4:5	6	9	5
al	65.385	26	10:16	17	23	16
am	64.706	17	5:12	11	17	12
ar	56	25	11:14	14	24	14
es	54.545	11	4:7	6	11	7
ce	50	2	0:2	1	-1	1
yl	50	2	0:2	1	1	1
sy	50	4	0:4	2	3	4
or	46.154	26	3:23	12	20	19
ol	43.75	32	8:24	14	25	20
ir	42.857	7	2:5	3	7	5
fy	40	5	0:5	2	4	4
ay	33.333	3	0:3	1	3	3
eo	33.333	12	5:7	4	12	7
dy	25.333	75	19:56	19	74	55
ey	10.169	118	55:63	12	118	63
in	9.434	53	21:32	5	53	32

Table 13.16: Interchangeable Decompositions into Existing Root Words Prefixed by cs-

	Product Category	Category Count	Matching Word Document Count	Matching Word %
Forwards				
[yo][fptk] + non-[cse]	Other	1151	526	45.699
[yo][dlrs] + non-[cse]	Other	420	281	66.905
[fptk] + non-[cse]	Other	645	347	53.798
[yo][fptk]ce	ce	300	246	82.000
[yo][fptk]cse	cse	70	60	85.714
[yo][dlrs]ce	ce	84	78	92.857
[yo][dlrs]cse	cse	32	28	87.500
[fptk]ce	ce	289	220	76.125
[fptk]cse	cse	110	85	77.273
Backwards				
ce + Other	Other	688	502	72.965
cse + Other	Other	390	274	70.256
ce[yo][dlrs]	[yo][dlrs]	108	75	69.444
ce[fptk]	[fptk]	111	75	67.568
cse[yo][dlrs]	[yo][dlrs]	56	40	71.429
ce[yo][fptk]	[yo][fptk]	152	122	80.263
cse[yo][fptk]	[yo][fptk]	60	50	83.333
cse[fptk]	[fptk]	39	34	87.179

Table 13.17: The Dominance of Noun Candidates in the Tripartite Part-of-Speech Model

Part of Speech	Counts		%s	
	Distinct	Document	Distinct	Document
Noun [yo]-Slot	5246	23716	71.863	60.929
Modifier y-Base	624	6621	8.548	17.010
Verb a-Base	710	6555	9.726	16.841
Single-Letter Word	18	397	0.247	1.020
Verb Double a-Base (sometimes behaving like a noun)	214	396	2.932	1.017
Verb Suffixed a-Base (sometimes behaving like a noun)	109	354	1.493	0.909
4th Part of Speech - c | cs + e^{0-4}[lrs]	85	298	1.164	0.766
c | cs | c[fptk] | [tk] + e^{0-4}d	52	139	0.712	0.357
a-Base + y-Base Compound?	101	134	1.384	0.344
Consonant Clusters + Complex X-Words	38	118	0.521	0.303
Detached Class Modifier	21	55	0.288	0.141
Unassigned	32	53	0.438	0.136
c | cs | c[fptk] + e^{0-4}[fptk]	18	39	0.247	0.100
Other e^{1-4}s Endings	12	21	0.164	0.054
c | cs | c[fptk] + e^{0-4}[mg]	14	20	0.192	0.051
c | cs | c[fptk] + e^{0-4}n	6	8	0.082	0.021

Table 14.1: The Hierarchy of Natural Language Adjectives

English Word	Instance Count	Best Rank	Worst Rank	Subcategory
like	5	14	88	Specificational
same	3	27	71	Specificational
other	6	28	85	Specificational
still	4	34	72	Temporal
alone	1	35	35	Specificational, Measurement
another	4	40	85	Specificational
even	4	42	98	Measurement
good	4	47	86	Utility
great	5	47	97	Utility, Measurement
again	2	51	75	Temporal
new	3	52	92	Temporal
new (thing)	1	52	52	Temporal
solely	1	54	54	Specificational, Measurement
first	5	56	91	Temporal, Numeric
just	2	57	76	Utility, Specificational
big	4	59	97	Spatial, Measurement
tall	1	59	59	Spatial
large	3	62	97	Spatial, Measurement
important	1	62	62	Utility
different	1	64	64	Specificational
right	1	67	67	Epistemic, Spatial
fine	1	69	69	Utility
sir	1	79	79	Personal
mister	1	79	79	Personal
the whole	1	80	80	Measurement
former	1	80	80	Temporal
last	1	87	87	Temporal
little	1	91	91	Measurement
bad	1	91	91	Utility
for a long time	1	95	95	Temporal
long	1	95	95	Temporal, Spatial

Table 14.2: Frequency of Caption Participation among Suffixed Variants of [dlrs] + $ai^{0\text{-}4}n$

Infix #	Word	Count	Length	Participating Text Sequences
1	ainy	2	4	f67r1 Diagram Ring #1 Innermost f87v #2
2	aiiny	4	5	2 others on f67r f67v1 Diagram Exterior Ring #12, f69v Intermediate Ring
1	ainaly	1	1	Gemini Interior 7
1	ainam	1	1	Taurus Dark Outer #7
1	ainarals	1	1	f58v #2
1	aindar	1	1	f82v #2
2	aiinal	1	1	f107r #3
2	aiinod	1	1	Libra Outer #5
2	aiinog	1	1	f85r2 Quadrant #4
2	aiinopor	1	1	f86v5 #2
3	aiiinctey	1	1	f31r Paragraph Label (oteor aiiinctey)
3	aiiinro	1	1	f104v #10
1	dainaldy	1	8	f89r1 #2
1	daind	1	5	**f2r #1**
1	daindl	1	6	f104v #4
1	daing	1	5	f23 #1
1	dainkey	1	7	f69r Diagram Center 6-Pointed Star
1	dainl	1	5	f35r #1
1	dainod	1	6	f16r #Label (dainod yceealod)
1	dainor	1	6	f35r #1
1	rainal	1	6	f88v #1
1	rainaly	1	7	f101v2 #1
1	saino	1	5	f75v #3
2	daiina	1	6	f75r Pool #1 Nymph #7
2	daiindy	1	7	f105r #5
2	daiiniin	1	8	f83r Rainbow #1
2	daiinls	1	7	f86v3 Jet Figure #1
2	daiino	1	6	f54v #2
2	daiinokoly	1	10	f99v #4
2	daiinol	2	7	f101r1 #3 and f19r #1
2	daiinoldy	1	9	f84v Pool #21 Nymph #2
2	daiiny	2	6	**f2r #1**, Rosette #1 Quadrant #2
2	saiincey	1	8	f22v #Label (saiincey daldalol)
2	saiindy	1	7	f51v #1
2	saiino	1	6	f75r Pool #1 Nymph #5
3	daiiindy	1	8	f100r #5
3	daiiine	1	7	f99v #12
3	daiiino	1	7	f50r #1
3	daiiinoty	1	9	f82v Rainbow #1
3	daiiiny	2	7	f39v #2 and f112 #6
3	saiiino	1	7	f99v #14
3	saiiiny	1	7	f99r #26
1	cedaiirsainy	1	12	Taurus Dark Outer #10
2	ceaiind	1	7	f49v #4
1	cseeainy	1	8	f111v #14
1	karainy	1	7	f112r #8
2	daraiinm	1	8	f87v #2

Table 14.3: Figure Labels Featuring [ds]a[lr]

Folio	Figure Name	Caption	If Ablated → ar-Initial Word
f88v	Canister #6 f88v	daragdal	aragdal
f99v	Canister #25 f99v	darolaly	arolaly
f70v2 Pisces	Pisces Interior #6	salols	alols
f72r2 Gemini	Gemini Interior #1	salal	alal
f73r Scorpio	Scorpio Outer #11	dalcseey	alcseey
f85v2 The Rosette Folio	Rosette #7-8 Bridge Interior #3	daldar	aldar
f88v	f88v Line 3 #3	darargam	arargam
f89r1	f89r1 Line 3 #1	raldag	aldag
f89r2	f89r2 Line 1 #3	saloiincseol	aloiincseol
f89v1	f89v1 Line 1 #3	darcseody	arcseody
f99r	f99r #2	darar	arar
f99r	f99r #4	daly	aly
f99r	f99r #7	salol	alol
f99r	f99r #27	sary	ary
f99v	f99v #13	dary	ary
f100r	f100r #4	saroear	aroear
f100v	f100v #9	dalsy	alsy
f102v2	f102v2 #12	darol	arol
f78r	f78r Tube Section #3	daralocfey	aralocfey
f83r	Bottom Shower #2	darolsy	arolsy
f82r	f82r Shower #1	daror	aror
f82r	f82r Shower #2	darory	arory
f75r	f75r Pool #1 Nymph #2	daly yoeey	aly yoeey
f75r	f75r Pool #1 Nymph #6	salda	alda
f75v	f75v Pool #3 Nymph #3	daldy dalcsed	aldy alcsed
f75v	f75v Pool #3 Nymph #4	dalkar qokal	alkar qokal
f75v	f75v Pool #3 Nymph #8	daldy qoted	aldy qoted
f77r	f77r Nymph #1	daroedar	aroedar
f67r1	f67r1 Stars #12	dalary	alary
f69r	f69r Exterior Quadrant #11	dalr al ody	alr al ody
f69v Lunar Mansions	f69v Lunar Mansion #11	saral	aral
f69v Lunar Mansions	f69v Lunar Mansion #15	saryd	aryd
f67v2	f67v2 Diagram Center #2	dalam	alam
f68r3	f68r3 Star Quadrant #6 Star #2	darall	arall
f69r	f69r Labeled Interior Bar #21	dary dar aloly	ary ar aloly
f85v2 The Rosette Folio	Rosette #8 Exterior Label #4	daroeedy	aroeedy

Table 14.4: Plausible Combinations of Affix Subtypes

Combined Part of Speech Count	1st Letter Role	2nd Letter Role	Letter 1	Letter 2	Base Part of Speech Is Overridden
2	Semantic - Class	Semantic - Root	[ao]	[lr] | [dsm | fptk | n]	Inapplicable
2	Semantic - Class	Semantic - Root	a | o	[lr] | [dsm | fptk | n]	Inapplicable
2	Semantic - Root	Semantic - Root	[ao]	[lr] | [dsm | fptk | n]	Indeterminately
2	Inflectional	Semantic - Root	[ao]	[lr] | [dsm | fptk | n]	No
2	Inflectional	Semantic - Root	a | o	[lr] | [dsm | fptk | n]	No
2	Indirect	Semantic - Class	a | o	[dlrsm | fptk | n]	Yes
2	Indirect	Semantic - Class	a | o	n | [dlrsm | fptk]	Yes
2	Indirect	Semantic - Class	a | o	[lr] | [dsm | fptk | n]	Yes
2	Indirect	Semantic - Class	a | o	[lr] | n | [ds | m | fptk]	Yes
2	Indirect	Semantic - Class	a | o	[lrds] | n | m | [fptk]	Yes
2	Indirect	Semantic - Class	a | o	[lr] | n | m | [dsfptk]	Yes
2	Indirect	Semantic - Class	a | o	[lr] | n | m | [ds] | [fptk]	Yes
2	Semantic - Class	Indirect	[ao]	[lr] | [dsm | fptk | n]	Yes
2	Semantic - Class	Indirect	a | o	[lr] | [dsm | fptk | n]	Yes
3	Ablational (any)	Semantic - Root	[ao]	[lr] | [dsm | fptk | n]	Yes
3	Direct	Semantic - Root	[ao]	[lr] | [dsm | fptk | n]	Yes
3	Indirect	Semantic - Root	[ao]	[lr] | [dsm | fptk | n]	Yes
3	Semantic - Root	Ablational (any)	[ao]	[lr] | [dsm | fptk | n]	Yes
3	Semantic - Root	Indirect	[ao]	[lr] | [dsm | fptk | n]	Yes
3	Semantic - Root	Direct	[ao]	[lr] | [dsm | fptk | n]	Yes
4	Ablational (any)	Semantic - Root	a | o	[lr] | [dsm | fptk | n]	Yes
4	Direct	Semantic - Root	a | o	[lr] | [dsm | fptk | n]	Yes
4	Indirect	Semantic - Root	a | o	[lr] | [dsm | fptk | n]	Yes

Table 14.5: Proportionalities in Counts of Prefixed and Infixed Variants of o[drls | fptk | m | n]

Word	Count	q +	ce +	cee +	cse +	[dlrs] | [fptk] +
ol	549	151 (qol)	394 (ceol)	169 (ceeol)	189 (cseol)	369 (dol, fol, kol, lol, pol, rol, sol, tol)
or	377	22 (qor)	216 (ceor)	98 (ceeor)	99 (cseor)	250 (dor, kor, lor, por, ror, sor, tor)
os	29	5 (qos)	35 (ceos)	34 (ceeos)	12 (cseos)	22 (dos, kos, los, sos, tos)
od	7	9 (qod)	10 (ceod)	5 (ceeod)	12 (cseod)	10 (dod, kod, lod, rod, tod)
ot	8	7 (qot)	4 (ceot)	1 (ceeot)	3 (cseot)	0
ok	3	9 (qok)	5 (ceok)	2 (ceeok)	5 (cseok)	0
op	1	4 (qop)	3 (ceop)	1 (ceeop)	0	0
of	1	1 (qof)	1 (ceof)	0	0	0
om	23	0	15 (ceom)	10 (ceeom)	4 (cseom)	21 (dom, kom, lom, pom, rom, som, tom)
on	0	0	1 (ceon)	0	0	0
oin	4	1 (qoin)	0	0	1 (cseoin)	9 (doin, soin)
oiin	34	3 (qoiin)	13 (ceoiin)	1 (ceeoiin)	6 (cseoiin)	59 (doiin, koiin, loiin, poiin, roiin, soiin, toiin)
oiiin	11	4 (qoiiin)	0	0	0	11 (doiiin, loiiin, soiiin)
oiiiin	1	0	0	0	0	0
oir	3	0	0	0	0	2 (poir, soir)
oiir	3	0	0	0	0	10 (doiir, roiir, soiir)

Table 14.6: Proportionalities in Counts of Prefixed and Infixed Variants of a[drls | fptk | m | n]

Word	Count	q +	ce +	cee +	cse +	[dlrs] | [fptk] +
al	266	0	47 (ceal)	30 (ceeal)	18 (cseal)	374 (pal, sal, lal, ral, tal, dal, kal)
ar	365	0	69 (cear)	51 (ceear)	33 (csear)	535 (kar, tar, dar, rar, lar, sar, par, far)
as	8	0	2 (ceas)	1 (ceeas)	0	15 (das, las, ras, sas, kas, tas)
ad	0	0	1 (cead)	1 (ceead)	0	0
at	0	0	0	0	0	0
ak	0	0	0	0	0	0
ap	0	0	0	0	0	0
af	0	0	0	0	0	0
am	84	0	20 (ceam)	5 (ceeam)	8 (cseam)	141 (dam, kam, lam, ram, sam, tam)
aim	7	0	1 (ceaim)	0	0	14 (daim, saim, taim)
aiim	3	0	0	0	0	6 (daiim, kaiim, saiim)
an	7	0	11 (cean)	2 (ceean)	5 (csean)	28 (dan, kan, san, tan)
ain	88 (ain)	0	18 (ceain)	2 (ceeain)	8 (cseain)	372 (dain, kain, lain, rain, sain, tain)
aiin	475 (aiin)	2 (qaiin)	45 (ceaiin)	3 (ceeaiin)	20 (cseaiin)	1,207 (daiin, kaiin, laiin, paiin, raiin, saiin, taiin)
aiiin	48 (aiiin)	0	1 (ceaiiin)	0	1 (cseaiiin)	32 (daiiin, kaiiin, laiiin, raiiin, saiiin, taiiin)
air	80 (air)	0	1 (ceair)	1 (ceeair)	1 (cseair)	0
aiir	25 (aiir)	0	1 (ceaiir)	0	0	0

Table 14.7: Rank Correspondences by Letter for the [dlrs] Prefix Distribution

Rank	[dlrsmg | fptk] + y			daiin Relatives			da[lr] Relatives			do[lr] Relatives		
	Letter	Count	Probability	Letter	Count	Probability	Letter	Count	Probability	Letter	Count	Probability
1	d	257	0.7060400	d	1086	0.6762100	d	684	0.6275200	d	191	0.3115800
2	s	38	0.1044000	s	214	0.1332500	r	185	0.1697200	l	155	0.2528500
3	k	24	0.0659300	k	118	0.0734700	s	172	0.1578000	r	137	0.2234900
4	t	17	0.0467000	r	99	0.0616400	l	49	0.0449500	s	130	0.2120700
5	l	14	0.0384600	t	60	0.0373600	f	0	0.0000000	f	0	0.0000000
6	r	12	0.0329700	l	20	0.0124500	g	0	0.0000000	g	0	0.0000000
7	p	2	0.0054900	p	8	0.0049800	k	0	0.0000000	k	0	0.0000000
8	f	0	0.0000000	g	1	0.0006200	m	0	0.0000000	m	0	0.0000000
9	g	0	0.0000000	f	0	0.0000000	p	0	0.0000000	p	0	0.0000000
10	m	0	0.0000000	m	0	0.0000000	t	0	0.0000000	t	0	0.0000000
	c-Prefixed Versions											
1	d	1296	0.8329000	d	117	0.5545000	d	141	0.5899600	d	23	0.4509800
2	k	172	0.1105400	k	51	0.2417100	k	44	0.1841000	k	8	0.1568600
3	t	62	0.0398500	s	20	0.0947900	s	22	0.0920500	s	8	0.1568600
4	p	9	0.0057800	t	16	0.0758300	t	19	0.0795000	t	7	0.1372500
5	s	9	0.0057800	p	3	0.0142200	p	7	0.0292900	p	3	0.0588200
6	f	4	0.0025700	f	3	0.0142200	l	3	0.0125500	l	2	0.0392200
7	l	2	0.0012900	l	1	0.0047400	f	3	0.0125500	f	0	0.0000000
8	r	2	0.0012900	g	0	0.0000000	g	0	0.0000000	g	0	0.0000000
9	g	0	0.0000000	m	0	0.0000000	m	0	0.0000000	m	0	0.0000000
10	m	0	0.0000000	r	0	0.0000000	r	0	0.0000000	r	0	0.0000000

Table 14.8: Rank Correspondences by Letter for Words Constructed from the [dlrsmg] Single-Letter Words

Rank	Single-Letter Words			c-Sequence + [dlrsmg | fptk]		
	Letter	Count	Probability	Letter	Count	Probability
1	s	234	0.3250000	s	129	0.4623700
2	r	92	0.1277800	d	65	0.2329700
3	l	57	0.0791700	l	28	0.1003600
4	d	50	0.0694400	k	18	0.0645200
5	g	14	0.0194400	r	17	0.0609300
6	p	13	0.0180600	t	6	0.0215100
7	k	10	0.0138900	p	6	0.0215100
8	m	9	0.0125000	g	5	0.0179200
9	t	8	0.0111100	f	3	0.0107500
10	f	7	0.0097200	m	2	0.0071700

Table 14.9: Changes in Distributions of Selected Initial Letters at Word Lengths 1-6

	Document Count						Document %					
[fptk]	**1**	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
k	10	31	181	270	351	167	1.377	1.342	5.528	4.314	3.783	2.083
t	8	21	176	177	236	183	1.102	0.909	5.376	2.828	2.544	2.282
p	13	2	39	22	96	122	1.791	0.087	1.191	0.352	1.035	1.522
f	7	1	6	11	23	29	0.964	0.043	0.183	0.176	0.248	0.362
[dlrs]												
d	51	317	921	542	1210	287	7.025	13.723	28.131	8.661	13.042	3.579
s	244	49	301	166	276	113	33.609	2.121	9.194	2.653	2.975	1.409
r	93	28	98	61	120	48	12.810	1.212	2.993	0.975	1.293	0.599
l	57	62	182	135	310	390	7.851	2.684	5.559	2.157	3.341	4.864
Nouns												
y	149	16	77	257	458	556	20.523	0.693	2.352	4.107	4.936	6.934
o	82	1006	476	1587	2001	2093	11.295	43.550	14.539	25.360	21.567	26.104
Verbs												
a	2	731	271	665	161	90	0.275	31.645	8.277	10.626	1.735	1.122
Prefixes												
q	1	34	221	343	1085	1711	0.138	1.472	6.750	5.481	11.694	21.339
c	6	12	325	2022	2951	2229	0.826	0.519	9.927	32.311	31.806	27.800

Table 14.10: Changes in Distributions of Selected Final Letters at Word Lengths 1-6

	Document Count						Document %					
[fptk]	**1**	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
k	10	9	12	10	22	5	1.256	0.389	0.363	0.159	0.236	0.062
t	8	9	7	7	6	7	1.005	0.389	0.212	0.111	0.064	0.087
p	13	1	4	9	3	3	1.633	0.043	0.121	0.143	0.032	0.037
f	7	1	3	3	3	3	0.879	0.043	0.091	0.048	0.032	0.037
[dlrs]												
d	51	16	41	93	178	153	6.407	0.691	1.239	1.476	1.912	1.903
s	244	60	106	213	319	237	30.653	2.591	3.204	3.381	3.426	2.947
r	93	756	940	1275	1330	774	11.683	32.642	28.416	20.241	14.286	9.624
l	57	845	965	1235	1442	775	7.161	36.485	29.172	19.606	15.489	9.637
[dlrsymg] Other												
y	149	387	755	1854	3588	4277	18.719	16.710	22.823	29.433	38.539	53.183
m	10	111	173	239	222	148	1.256	4.793	5.230	3.794	2.385	1.840
g	14	5	10	18	20	26	1.759	0.216	0.302	0.286	0.215	0.323
Other												
n	3	8	121	937	1827	1447	0.377	0.345	3.658	14.875	19.624	17.993
[ao]												
o	82	84	127	342	284	152	10.302	3.627	3.839	5.429	3.050	1.890
a	2	15	12	9	26	13	0.251	0.648	0.363	0.143	0.279	0.162

Table 14.11: Changes in Distributions of Selected Final Letters at Word Lengths 1-6, for [ao] Bases Only

	Document Count						Document %					
[fptk]	1	2	3	4	5	6	1	2	3	4	5	6
k	10	3	10	5	8	0	1.256	0.173	0.488	0.187	0.262	0.000
t	8	8	7	4	4	2	1.005	0.461	0.342	0.150	0.131	0.113
p	13	1	4	3	1	1	1.633	0.058	0.195	0.112	0.033	0.057
f	7	1	1	1	1	1	0.879	0.058	0.049	0.037	0.033	0.057
[dlrs]												
d	51	7	19	31	63	57	6.407	0.403	0.927	1.161	2.064	3.226
s	244	37	43	92	152	109	30.653	2.130	2.099	3.446	4.980	6.169
r	93	742	839	1044	1148	667	11.683	42.717	40.947	39.101	37.615	37.748
l	57	815	905	1198	1416	745	7.161	46.920	44.168	44.869	46.396	42.162
[dlrsymg] Other												
y	149	7	22	31	25	24	18.719	0.403	1.074	1.161	0.819	1.358
m	10	107	164	215	201	131	1.256	6.160	8.004	8.052	6.586	7.414
g	14	2	3	7	6	12	1.759	0.115	0.146	0.262	0.197	0.679
Other												
n	3	7	28	32	24	14	0.377	0.403	1.367	1.199	0.786	0.792
[ao]												
o	82	0	0	0	2	0	10.302	0.000	0.000	0.000	0.066	0.000
a	2	0	1	1	0	0	0.251	0.000	0.049	0.037	0.000	0.000

Table 14.12: Interpretations of Common Generator Statements According to the Tripartite and Quadripartite Models

	Precursor Model	Tripartite Model	Quadripartite Model
o			
cseo	cse + o (like ceey = cee + y)	cse + o (like ceey = cee + y)	cse + o (like ceey = cee + y)
oaiin	o base + ai4n semantic suffix	o base + ai4n semantic suffix	o base + ai4n semantic suffix
[yo][dlrsmg | n]			
odaiin	od + ai4n semantic suffix	od + ai4n semantic suffix	od + ai4n semantic suffix
[yo][fptk]			
o[tk]ai4n	o[tk] + ai4n semantic suffix	o[tk] + ai4n semantic suffix	o[tk] + ai4n semantic suffix
a[dlrsmg | n | fptk]			
aiin, al, ar	prefixed by [dlrsmg | fptk]	prefixed by [dlrsmg | fptk]	prefixed only by [fptk] or not at all
daiin	d prefix + ai4n base (like [fptk]aiin)	d prefix + ai4n base (like [fptk]aiin)	d base + ai4n semantic suffix – unlike [fptk]aiin
ceedaiin	ce4 + d prefix + ai4n base (like [fptk]aiin)	ce4 + d prefix + ai4n base (like [fptk]aiin)	cee prefix + d base + ai4n semantic suffix
y			
ceey	cee + y	cee + y	cee + y
			[dlrsmg] sans the initial [yoa] = a 5th base type
dy	od base missing the o + y suffix	d prefix + y base	d base + y-suffix
ceedy	cee + od base missing the o + y suffix	cee + d prefix + y base	cee + d base + y-suffix
oy	o base + y suffix	o prefix + y base	o prefix + y base

Table 14.13: Plausible Readings of f75r #7 Lacking Immediate *daiin* Relatives, Under the Tripartite Part-of-Speech Model

Clause #	Text
#1	polcsey dal cseedy qokain dar cesdy cseedy qokar cseedy ldy qokeey lcseedy qol ceedy qokain cecteedy ltedy darom solkedy okal dar oty otar otar ol
#2	kain olkedy qokain cseeety qokain dar dar cseedy qokar ol dy sol
#3	keedy qokeedy qokey okar otar dar dar dy qokedy dy cseeety qokedy qokcedy qokecedy lol qokeedy qokeedy qokedy qokedy qokeedy ldy ycseedy qokeedy qokcedy olkeedy otey
#4	koldy dar cseedy qokain cseedy dal
#5	keedy rcseedy sokeedy qokeedy oteedy qoky dykeedy sy dcseedy qokedy qoteey qoteedy dar ycseedy ceekar oldy qokain cekar otar oldy dceedy sain okedy qokedy otedy okoldy otar otam olaiin cedar dy scseedy cseckey qokey okedy sorol oty otedy qotedy otedy okaiin qokey qokedy cseeol qokedy dain cseedy otol ceedy olor

Table 14.14: Theoretical Correspondence of Voynich Compounds to Derivational Affix Types

Affix	Examples	Hypothetical Voynich Compound Order	
Adjective → Adjective		**Adjective ← Adjective**	**Examples**
-ish	yellowish, longish	double and triple combinations of c + $e^{1\text{-}4}$[dlrs | fptk]y | $e^{1\text{-}4}$y bases	w_N = 31, $w_{\|N\|}$ = 28 led by ceykcey (3), cseytcey (2), many of which are probably c-prefixes of y-initial nouns
		double and triple combinations of c + $e^{1\text{-}4}$[dlrs | fptk]y | $e^{1\text{-}4}$y bases with [dlrsmg | fptk]y	w_N = 76, $w_{\|N\|}$ = 61 led by ceyky (6), ceyty (4), ceeyky(3), dytcey, dykcey, dyceedy, qotycseey, ceydy all with (2), the rest (1)
		double and triple combinations of [dlrsmg | fptk]y	w_N = 53, $w_{\|N\|}$ = 29 led by dyky (5), dydy 3), dykedy, dytedy, dykeedy, tydy, oltydy, sydy and dyty, all with 2
Noun → Adjective		**Adjective ←Noun**	
-ish	bearish	$ce^{1\text{-}4}$y-base + o[dlrsmg | n | fptk]	Just 16 single-instance words, all of which are probable compounds: ceeyor, cekceykoly, ceykeor, ckeydom, cseycseol, cseyokeey, ceotceeytceol, ceyteody, oeeyykas, qotceytor, qoteytyqoky, scseykceeol, yceeeytydaiin, ykeydom, cseykeody, qoekeeykeody
-like	child-like, squid-like	[dlrs | fptk]y base + o[dlrsmg | n | fptk]	20 distinct words, only 1 of which recurs; most of these are just noun compounds or [fptk] prefixes: dydydy (2), dytydy, dytolg,, dyceokcey, dycseol, dydyd, dykeor, dylcesody, dyotyds, dytceor, dytory, lpyceol, orarytеop, pyceory,, pydcedom, pykeor, pykydal, pysaiinor, ryceos, syokeedy
-al	cone → conical, cortex → cortical	$e^{1\text{-}4}$[dlrs | fptk]y base + o[dlrsmg | n | fptk]	Just 9 single-instance words, all of which are probable compounds: ceedyor, ceedyteokain, csedytody, cseedykeyl, okeedyokolol, tedyol, ytedykor, dolcesyckeeol, qokcsedyytain
-oid	oval →ovoid, rhombus →rhomboid	$ce^{1\text{-}4}$y-base + c | cs | c[fptk] + o[dlrsmg | n | fptk]	3 single-instance words: cseycseol, ceotceeytceol, scseykceeol
-y	fun → funny	[dlrs | fptk]y base + c | cs | c[fptk] + o[dlrsmg | n | fptk]	13 single-instance words: dyceokcey, dycseol, dylcesody, dytceor, fceodyceeol, lpyceol, otycoyl, oysyceor, pyceory, pydcedom, ryceos, dolcesyckeeol, otytceol
-ite	Trotsky → Trotskyite	$e^{1\text{-}4}$[dlrs | fptk]y base + c | cs | c[fptk] +	dolcesyckeeol (1)

-esque	statuesque	o[dlrsmg | n | fptk]	
-an	America → American		
-id	squalor → squalid		
-ic	formic, terrific		
-ile	juvenile		
-ose	adipose		
-ane	profanity → profane		
-ar	lunar, plane → planar		
-ary	unity → unitary, solitude → solitary		
Adjective → Noun		**Noun ← Adjective**	
-ness	childishness, darkness	o[dlrsmg | n | fptk] + c + e^{1-4}y-base	w_N = 1132, $w_{[N]}$ = 400 led by qokcey (68), qotcey (61), otcey (45) etc.
		o[dlrsmg | n | fptk] + c + e^{1-4}[dlrs | fptk]y base	w_N = 803, $w_{[N]}$ = 200 including qokcedy (55), opceedy (50), etc.
		o + c | cs | c[fptk]e^{1-4} + y	w_N = 70, $w_{[N]}$ = 13 led by ockey (15), octey (11) and oceey (8)
		o + c | cs | c[fptk]e^{1-4} + [dlrs | fptk]y	w_N = 33, $w_{[N]}$ = 16 including ockeedy (7), oceedy (7) and ocseedy (3)
		o[dlrsmg | n | fptk][dlrs | fptk]y base	w_N = 232, $w_{[N]}$ = 112 including oldy (28), olky (23), okoldy (9), ceoldy (9), otoldy (9) cseoldy (8), koldy (7) etc.
		o[dlrsmg | n | fptk] + e^{1-4}y-base	w_N = 1388, $w_{[N]}$ = 182 led by qokeey (305), okeey (176), oteey (138), qokey (138), etc. which appear to be nouns (can discount most of these if the y are suffixes, then infixed by e)
		o[dlrsmg | n | fptk] + e^{1-4}[dlrs | fptk]y base	w_N = 2087, $w_{[N]}$ = 397 led by qokeedy (301), qokedy (262) and otedy (262), which appear to be nouns (others on the list include *okaly* etc.)
Adjective → Verb		**Verb ←Adjective**	
-en	redden, whiten, blacken	ai^{0-4}[dlrsmg | n | fptk] + c + e^{1-4}y-base	w_N = 94, $w_{[N]}$ = 83 led by alceey, alcseey with 4 apiece. These might be something like *becomes red* vs. *does red*, *goes red* etc. There is not much difference on the modals/auxiliaries
-ate	aerate, create, incinerate, articulate	ai^{0-4}[dlrsmg | n | fptk] + [dlrs | fptk]y base	w_N = 90, $w_{[N]}$ = 55 led by daldy (18), aldy (11), alky (3), kaldy (3) etc. with e-infixed versions limited to aleedy (1) and otaleky (1); the latter is clearly based on *otal*; contrast this with the effortless extensibility of words like *keedy*, *cseedy*, etc.
-ify	deify, terrify, amplify	ai^{0-4}[dlrsmg | n | fptk] + e^{1-4}[dlrs | fptk]y base	w_N = 69, $w_{[N]}$ = 48 led by dalcedy (5), dalceedy (4), alkeedy (4), alceedy (4), dalcsedy (3)
Verb → Adjective		**Adjective ←Verb**	
-ent	depend → dependent	e^{1-4}y-base + ai^{0-4}[dlrsmg | n | fptk]	Only 23 words are formed this way, 22 of which are single-instance: ceytaroiin, cfeyaiin, cseeykaiiin, cseeykal, cseydal, cseykaiin, cteyaiin, dceeytain, keeyfar, okeytam, pceykar, teodyteytar, yceeeytal, yceeeytydaiin, ceypceam, oeeyykas, ceeeykam, ceeykaiin, ceeykain, ceeytal, ceykaiin, ceykald; many of these may be formed from c-prefixing of in the mold of ceykar (2), in which case the count is reduced further
-able	depend → dependable		
-ive	action → active		
-ous	generous		
-ory	to sleep (dormir) → dormitory		
Verb → Noun		**Noun ← Verb**	
-ion	compress → compression, deviate →deviation	o | o[dlrsmg | n | fptk] + ai^{0-4}[dlrsmg | n | fptk]	The vast majority of these cannot be extensions of common words like *okal*, *otar*, *okaiin* etc. as in *doer of ok* or *thing that goes to ot.* One proof of this is that we're not awash in extensions of daiin → okedaiin etc., which must be formed by tacking –aiin on to *oked*. Any attached verb meanings would be secondary to the noun base, but even this is unlikely in cases like *okar*, *otal*, *otaiin* and so on that correlate with different remedy types based on their final letters. It might be easier to form such compounds using the 3rd syllables tacked on to these words in many short labels. Potential mixing verbs like *oaiin*, *oar* and *oal* may be edges cases in this regard.
-y	inquire → inquiry		
-al	bury → burial		
-r	write → writer		
-er	inform → informer		
-ant	inform → informant		
-ite	hypocrisy → hypocrite		
-yx (rare morpheme)	calyx, apteryx		
Noun → Verb		**Verb ←Noun**	
-ize	empathize, cannibalize, metabolize	ai^{0-4}[dlrsmg | n | fptk] + o[dlrsmg | n | fptk]	w_N = 320, $w_{[N]}$ = 214 led by arody (13), arol (13), daror (4), sarol (3), aloly (3), dairol (1)

Table 14.15: Base and Affix Locations in Select [yo][fptk]-Initial Words Formed from a-Bases

	Prefix	Base	Secondary Base - Purely Semantic?	Suffix
oar		o	ar	
otaiin		ot	a + i^4n	
okal		ok	al	
ceokal	ce	ok	al	
okear		ok	e^4 + ar	
okeol		ok	e^4 + ol	
oty		ot	y	
oteey		ot	ce^4 + y	
okcedy		ok	ce^4d	y
daiin	d	a + i^4n		
ceedaiin	ce^4d	a + i^4n		
ceed	ce^4	d		
ceody	ce^4	od		y
ceedy	ce^4d	y		
okeody		ok	e^4 + od	y
aiin		a + i^4n		
doedy (dcedy?)	d	o + e^4d		y

Table 14.16: Initiation and Single-Word Label Participation Rates Along the [lrn] vs. [ds] Fissure

Category	Expected Probability	Paragraph Empirical Probability	Single-Word Label Empirical Probability	Paragraph Probability Difference	Single-Word Label Probability Difference
[ao]i^{d}[lrn]	0.47436	0.56458	0.43566	0.09022	-0.03870
e^{4} + [ds]	0.14843	0.11585	0.08527	-0.03258	-0.06316
y	0.16418	0.10919	0.09147	-0.05499	-0.07271
[ao]i^{d}[ds]	0.05779	0.08921	0.13488	0.03143	0.07709
o	0.02190	0.04527	0.00465	0.02337	-0.01725
Unassigned	0.06717	0.04128	0.13333	-0.02589	0.06616
[ao]i^{d}[fptk]	0.02089	0.01332	0.02481	-0.00757	0.00392
[ao]i^{d}[mg]	0.02712	0.00932	0.06202	-0.01780	0.03490
oy	0.00322	0.00932	0.00620	0.00610	0.00298
e^{4} + [fptk]	0.01039	0.00266	0.01240	-0.00773	0.00201
e^{4} + [lrn]	0.00320	0.00000	0.00310	-0.00320	-0.00010
e^{4} + [mg]	0.00136	0.00000	0.00620	-0.00136	0.00484

Table 15.1: Magic Quadrant of Language Types, by Morpheme-Binding Behavior[42]

Morpheme-to-Word Ratio	Changes in Stems		Grammatical Categories per Affix		Tradeoff between Helper Words vs. Word Length	Word Order
	Agglutinative (Fewer)	Fusional (More)	Agglutinative (1)	Fusional (Many)		
Oligoisolating						
Isolating (low, approaching 1:1)					Many Helper Words	
Analytic (low for inflections)					Many Helper Words – particles, prepositions	Relatively fixed
Synthetic (many bound morphemes or also free?)		Biblical Hebrew, German	Finnish	Latin, German, Spanish, Greek, Sanskrit[43]	Longer words	Relatively free
Polysynthetic (many)	Yupik, Nahuatl				Excessive Word Length	Little to none
Oligosynthetic					Excessive Word Length Expected	

Table 15.2: Top 50 Potential Participants in Clitics, Organized by Positions

Word	Clitic Candidate Word Count	Distinct Counts of Potential Clitic Products				Document Counts of Potential Clitic Products			
		Prefix	Root	Suffix	Total	Prefix	Root	Suffix	Total
ol	549	93	2	56	151	762	3	365	1130
s	244	54	2	29	85	735	4	166	905
or	377	31	5	45	81	186	10	359	555
y	149	45	0	36	81	323	0	842	1165
ar	365	28	7	43	78	115	13	691	819
al	266	32	3	41	76	131	4	216	351
aiin	475	2	2	66	70	5	2	1746	1753
dy	264	16	0	51	67	28	0	334	362
l	57	33	4	21	58	541	16	1498	2055
o	81	38	3	11	52	1457	175	42	1674
r	93	17	3	27	47	227	31	1448	1706
dal	250	24	0	15	39	83	0	27	110
dar	321	19	0	16	35	63	0	70	133
daiin	858	5	0	27	32	7	0	151	158
ceol	394	25	0	6	31	77	0	35	112
ceo	68	21	1	6	28	787	1	13	801
cey	155	8	0	20	28	20	0	69	89
ceey	339	7	0	19	26	9	0	122	131
ceedy	499	3	0	22	25	3	0	235	238
cseo	131	20	0	4	24	224	0	7	231
d	51	13	1	10	24	1698	24	25	1747
qol	151	22	0	0	22	67	0	0	67
ceeo	66	19	0	1	20	155	0	2	157
ceor	216	10	0	10	20	32	0	34	66
ain	88	1	0	19	20	1	0	206	207
air	79	6	1	11	18	7	1	45	53
cseey	286	3	0	15	18	4	0	84	88
ceeol	169	8	0	9	17	13	0	37	50
okal	142	15	0	1	16	40	0	1	41
am	84	1	0	15	16	1	0	62	63
kaiin	65	0	0	14	14	0	0	383	383
sol	74	12	0	0	12	30	0	0	30
cseol	189	8	0	3	11	15	0	13	28
cseeo	47	10	0	1	11	144	0	2	146
cseedy	429	0	0	11	11	0	0	89	89
ody	49	1	0	10	11	1	0	68	69
keedy	52	0	0	10	10	0	0	108	108
kal	23	5	0	5	10	9	0	17	26
dain	209	1	0	9	10	1	0	40	41
dol	117	8	0	2	10	15	0	2	17
qo	29	10	0	0	10	309	0	0	309
csey	105	0	0	10	10	0	0	27	27
qokal	192	9	0	0	9	11	0	0	11
otal	143	9	0	0	9	36	0	0	36
os	29	6	0	3	9	17	0	9	26
keey	44	0	0	9	9	0	0	55	55
cedy	150	0	0	9	9	0	0	22	22
ceeey	173	0	0	9	9	0	0	47	47
cseeol	112	6	0	3	9	10	0	6	16
ky	24	1	0	7	8	1	0	42	43

Table 15.3: Perplexity Values for 3 Experimental Manuscript Versions

Test Type	Word Counts		% of the Current Distinct Count	Perplexity
	Distinct	Document		
Clitic Test Reversed	8216	35878	100	12.82581
Actual Values for Version #29	8216	38318	100	12.48719
Sans Infixes	6653	38318	80.976	11.81508
Clitic Test	7208	46295	87.731	10.93376
Compound Test	1624	38702	19.766	7.79278

Table 15.4: Decomposability Scores for All Word Categories after Ablation of Single-Letter Prefixes

Category	Word Count	Count of Base Words	Decomposability Score	Category	Word Count	Count of Base Words	Decomposability Score
g-Initial	5	1261	0.99603	Document Baseline	38318	25831	-0.32587
v-Initial	2	325	0.99384	[dlrs]e	70	44	-0.37142
x-Initial	10	1400	0.99285	x-2nd Letter	7	4	-0.42857
qa	5	479	0.98956	c[fptk]e	857	432	-0.49591
cy	2	149	0.98657	dam Group	211	94	-0.55450
ad Prefix Group	11	764	0.98560	[dlrs]ai Other	74	25	-0.66216
Special Symbol	5	333	0.98498	[dlrs]a Other	99	33	-0.66666
yo	32	1957	0.98364	a + e-Sequence	3	1	-0.66666
cs	4	244	0.98360	daiin Relatives	2315	716	-0.69071
[yo]q	26	1374	0.98107	[yo]e	223	68	-0.69506
cc	4	185	0.97837	[yo][fptk]	6792	2009	-0.70421
a-Other	20	859	0.97671	[dlrs] + i-Sequence	5	1	-0.8
oo	12	458	0.97379	daiin Suffix Group	115	17	-0.85217
qs	2	73	0.97260	[ao][lr]	1557	150	-0.90366
c[fptk]a	4	113	0.96460	[fptk]e	576	51	-0.91145
qy	8	220	0.96363	dam Suffix Group	19	1	-0.94736
[fptk | b][dlrsy]	99	2611	0.96208	ce	5935	101	-0.98298
cso	3	79	0.96202	[yo]i	68	1	-0.98529
co	4	99	0.95959	cse	3279	13	-0.99603
Floating e-Sequence	142	3454	0.95888	Floating i-Sequence	2	0	-1
qc	22	522	0.95785	Single-Symbol Word	795	0	-1
[dlrs] Duplifixes	143	3123	0.95421	ai-Initial Other	48	0	-1
qlky	1	17	0.94117	[fptk] + i-Sequence	1	0	-1
a[fptk]	24	386	0.93782				
ac Prefix Group	19	297	0.93602				
[yo]a	96	1484	0.93530				
q[fptk]	26	335	0.92238				
[yo]c	548	6107	0.91026				
[lrs]y Suffixed Version	11	119	0.90756				
oy	15	154	0.90259				
[dlrs][fptk]	64	571	0.88791				
c[fptk]o	12	105	0.88571				
[dlrs]o Other	388	3053	0.87291				
[dlrsy]c	1039	6525	0.84076				
c[fptk]c	22	135	0.83703				
[fptk]c	1027	5906	0.82610				
[yo] Other	103	565	0.81769				
[fptk]o	601	3272	0.81632				
c[fptk]y	8	43	0.81395				
qo[lr]	173	926	0.81317				
dy Suffix Group	76	404	0.81188				
[fptk]a	501	1697	0.70477				
rn	1	3	0.66666				
a[lr] Prefix Group	409	1063	0.61523				
[yo][dlrs]	1674	4130	0.59467				
l[fptk]	507	1174	0.56814				
dy Variants Possibly	65	149	0.56375				
[dlrs][ao][lr]	1785	2653	0.32717				
dy and Prefixes	350	413	0.15254				
qo	5095	5840	0.12756				
qe	62	42	-0.32258				

Table 15.5: Decomposability Scores for All Word Categories after Ablation of Single-Letter Suffixes

Category	Word Count	Count of Base Words	Decomposability Score	Category	Word Count	Count of Base Words	Decomposability Score
rn	1	93	0.98924	Document Baseline	38318	17306	-0.54835
ai-Initial Other	48	668	0.92814	a-Other	20	9	-0.55
daiin Suffix Group	115	1474	0.92198	[yo][fptk]	6792	2966	-0.56330
dam Suffix Group	19	184	0.89673	cse	3279	1398	-0.57365
dy Variants Possibly	65	394	0.83502	oy	15	6	-0.6
dy Suffix Group	76	343	0.77842	[dlrs]ai Other	74	28	-0.62162
v-Initial	2	7	0.71428	c[fptk]e	857	315	-0.63243
[dlrs] Duplifixes	143	478	0.70083	[fptk]o	601	216	-0.64059
[dlrs]a Other	99	320	0.69062	c[fptk]o	12	4	-0.66666
cy	2	6	0.66666	[fptk | b][dlrsy]	99	32	-0.67676
g-Initial	5	14	0.64285	qo	5095	1599	-0.68616
[yo] Other	103	230	0.55217	[fptk]a	501	125	-0.75049
a[lr] Prefix Group	409	724	0.43508	[fptk]e	576	115	-0.80034
co	4	7	0.42857	[fptk]c	1027	204	-0.80136
cso	3	5	0.4	dy and Prefixes	350	66	-0.81142
cs	4	6	0.33333	l[fptk]	507	89	-0.82445
[dlrs]o Other	388	508	0.23622	[yo]c	548	92	-0.83211
[dlrs]e	70	60	-0.14285	qo[lr]	173	29	-0.83236

[yo][dlrs]	1674	1372	-0.18040
[dlrs][ao][lr]	1785	1355	-0.24089
[yo]i	68	45	-0.33823
ce	5935	3075	-0.48188
Floating e-Sequence	142	22	-0.84507
[dlrsy]c	1039	148	-0.85755
[yo]e	223	31	-0.86098
qy	8	1	-0.875
q[fptk]	26	3	-0.88461
dam Group	211	15	-0.92890
yo	32	2	-0.9375
[ao][lr]	1557	83	-0.94669
c[fptk]c	22	1	-0.95454
[yo]a	96	4	-0.95833
[yo]q	26	1	-0.96153
daiin Relatives	2315	1	-0.99956
Floating i-Sequence	2	0	-1
oo	12	0	-1
x-Initial	10	0	-1
x-2nd Letter	7	0	-1
qa	5	0	-1
qc	22	0	-1
qe	62	0	-1
qlky	1	0	-1
qs	2	0	-1
Single-Symbol Word	795	0	-1
Special Symbol	5	0	-1
a + e-Sequence	3	0	-1
a[fptk]	24	0	-1
[lrs]y Suffixed Version	11	0	-1
c[fptk]y	8	0	-1
cc	4	0	-1
c[fptk]a	4	0	-1
ac Prefix Group	19	0	-1
ad Prefix Group	11	0	-1
[dlrs] + i-Sequence	5	0	-1
[dlrs][fptk]	64	0	-1
[fptk] + i-Sequence	1	0	-1

Table 15.6: Leading Single-Letter Proclitic and Enclitic Candidates Ranked by Matching Phrase Participation

Ablated Single-Letter Word	Document Count of Single-Letter Word	Document Counts of Matching Phrases	Expected Counts of Matching Phrases	Phrase Count Difference	Ablated Phrase Score
Prefixes					
a	2	1	0.18091	0.81908	0.81908
r	93	50	16.23541	33.76458	0.67529
l	57	40	18.82164	21.17835	0.52945
s	244	124	63.21391	60.78608	0.49021
o	81	49	29.97188	19.02811	0.38832
y	149	60	48.84892	11.15107	0.18585
d	51	16	15.17302	0.82697	0.05168
p	13	2	3.08171	-1.08171	-0.35101
t	8	1	2.00071	-1.00071	-0.50017
f	7	0	0.74562	-0.74562	-1
Œ	3	0	0.00750	-0.00750	-1
c	6	0	0.24277	-0.24277	-1
k	10	0	2.22066	-2.22066	-1
e	3	0	0.24692	-0.24692	-1
v	7	0	0.05421	-0.05421	-1
x	9	0	0.30025	-0.30025	-1
g	14	0	0.42068	-0.42068	-1
q	1	0	0.20145	-0.20145	-1
Suffixes					
k	10	2	0.36601	1.63398	0.81699
r	93	39	8.09776	30.90223	0.79236
l	57	28	7.06168	20.93831	0.74779
d	51	11	6.58085	4.41914	0.40174
s	244	53	33.33383	19.66616	0.37105
y	149	59	42.89459	16.10540	0.27297
g	14	1	0.76163	0.23836	0.23836
o	81	13	11.92660	1.07339	0.08256
p	13	0	0.25990	-0.25990	-1
a	2	0	0.08974	-0.08974	-1
À	2	0	0.00281	-0.00281	-1
e	3	0	0.04632	-0.04632	-1
m	10	0	0.35053	-0.35053	-1
n	3	0	0.01822	-0.01822	-1
x	9	0	0.00386	-0.00386	-1
t	8	0	0.13592	-0.13592	-1
f	7	0	0.08773	-0.08773	-1

Table 15.7: Taxonomy of the Voynich Affixes and Clitics

Prefixes	Extensions
c-	c[s | fptk | b]
q-	q[fptk]
[fptk | b]	
[yo]	[yo][fptk]
	[yo][dlrs]
a	a[fptk]
	a[dlrs]
[dlrs]	d[fptk]
	l[fptk]
	r[fptk]
	s[fptk]
v, x, g	?

+

Derivational Markers
[ao] vs. none/y

+

Infixes
[ei]$^{0-4}$

+

Trailing Consonants (Semantic)
[dlrsmg | fptk | n]

+

Suffixes
[dlrsmg]
-[yo]
-a

Table 15.8: [ao] + i-Infixes in Consonant Clusters and y-Initial Words of 2-Letters

Word	Matches	Word Count	Document Count of Matching Words	# of Matching Words
dd	daid	1	1	1
dg		1	0	1
dl	darail, diil, daiil	20	3	3
dm	dydaim, daiim, daim	2	16	3
dr	dairair, darair, deeaiir, diir, dkair, doair, dtedair, doiir, dyair, daiir, dair	2	147	11
ds	dais	2	9	1
kl		2	0	1
ks	kais	1	3	1
ld		4	0	1
lg	loiiig	2	1	1
lk		1	0	1
lm	lceealaim, lpaim, lkaim	1	3	3
lr	lcseaiir, lcseodair, lolkair, lorair, losair, lsair, lkaiir, lkair, lair	12	13	9
ls	lsais	10	1	1
lt		1	0	1
rd		1	0	1
rl		2	0	1
rn	raraiiin, raraiin, rkaiin, rlaiin, roaiin, rodaiin, rodain, rorain, rotaiin, roiin, raiiin, rain, raiin	1	123	13
rs	rais	1	2	1
sl		1	0	1
ss	sois, sorais, sais	1	3	3
tl		1	0	1

Table 16.1: Incidence of Dominant Verb-Noun Orders in Natural Languages[44]

Word order	English equivalent	Proportion of languages	Examples
SOV	"She him loves."	45%	Sanskrit, Hindi, Ancient Greek, Latin, Japanese, Korean
SVO	"She loves him."	42%	Chinese, English, French, Hausa, Italian, Malay, Russian, Spanish
VSO	"Loves she him."	9%	Biblical Hebrew, Arabic, Irish, Filipino, Tuareg-Berber, Welsh
VOS	"Loves him she."	3%	Malagasy, Baure
OVS	"Him loves she."	1%	Apalaí, Hixkaryana
OSV	"Him she loves."	0%	Warao, (certain dialects of) Korean

Table 16.2: Clear Dominance of Nouns among Paragraph Initiators

Final Part of Speech	Distinct Word Count	Document Word Count	Paragraph Count	Empirical Probability	Probability Difference
Noun [yo]-Slot	5246	23716	535	0.74721	0.13792
Verb Double a-Base	214	396	13	0.01816	0.00799
Detached Class Modifier	21	55	2	0.00279	0.00138
c | cs | c[fptk] | [tk] + e$^{0-4}$d	52	139	3	0.00419	0.00062
c | cs | c[fptk] + e$^{0-4}$n	6	8	0	0.00000	-0.00021
c | cs | c[fptk] + e$^{0-4}$[mg]	14	20	0	0.00000	-0.00051
Other e1-4s Endings	12	21	0	0.00000	-0.00054
a-Base + y-Base Compound?	101	134	2	0.00279	-0.00065
c | cs | c[fptk] + e$^{0-4}$[fptk]	18	39	0	0.00000	-0.00100
Unassigned	32	53	0	0.00000	-0.00136
Consonant Clusters + Complex X-Words	38	118	0	0.00000	-0.00303
Verb Suffixed a-Base	109	354	3	0.00419	-0.00490
4th Part of Speech - c | cs + e$^{0-4}$[lrs]	85	298	1	0.00140	-0.00626
Single-Letter Word	18	397	0	0.00000	-0.01020
Verb a-Base	710	6555	93	0.12989	-0.03852
Modifier y-Base	624	6621	64	0.08939	-0.08071

Table 16.3: Greater Complexity of Paragraph Initiator Patterns in Section 5

Final Part of Speech	Distinct Word Count	Document Word Count	Paragraph Count	Probability Difference
Noun [yo]-Slot	1924	18601	204	0.12495
Verb Double a-Base (sometimes behaving like a noun)	105	248	10	0.02677
c | cs | c[fptk] | [tk] + e$^{0-4}$d	32	112	3	0.00686
Detached Class Modifier	8	29	2	0.00600
a-Base + y-Base Compound?	46	67	1	0.00137
Verb Suffixed a-Base (sometimes behaving like a noun)	43	254	2	-0.00100
4th Part of Speech - c | cs + e$^{0-4}$[lrs]	39	212	1	-0.00314
Modifier y-Base	303	6029	23	-0.10819

Table 16.4: Increase in Exceptional Syntax in Interior Clauses

Final Part of Speech	Distinct Word Count	Document Word Count	Clause Marker Count	Empirical Probability	Probability Difference
4th Part of Speech - c | cs + e^{0-4}[lrs]	85	298	142	0.06538	0.05772
Modifier y-Base	624	6621	465	0.21409	0.04399
Verb a-Base	710	6555	419	0.19291	0.02450
Verb Double a-Base (sometimes behaving like a noun)	214	396	35	0.01611	0.00594
c | cs | c[fptk] | [tk] + e^{0-4}d	52	139	16	0.00737	0.00380
a-Base + y-Base Compound?	101	134	11	0.00506	0.00162
c | cs | c[fptk] + e^{0-4}n	6	8	1	0.00046	0.00025
Detached Class Modifier	21	55	3	0.00138	-0.00003
Unassigned	32	53	2	0.00092	-0.00044
c | cs | c[fptk] + e^{0-4}[mg]	14	20	0	0.00000	-0.00051
Other e1-4s Endings	12	21	0	0.00000	-0.00054
c | cs | c[fptk] + e^{0-4}[fptk]	18	39	0	0.00000	-0.00100
Verb Suffixed a-Base (sometimes behaving like a noun)	109	354	14	0.00645	-0.00264
Consonant Clusters + Complex X-Words	38	118	0	0.00000	-0.00303
Single-Letter Word	18	397	0	0.00000	-0.01020
Noun [yo]-Slot	5246	23716	1064	0.48987	-0.11942

Table 16.5: Segmentation of Interior Clause Initiators at the Sectional Level

Final Part of Speech	Distinct Word Count	Document Word Count	Paragraph Count	Probability Difference	Final Part of Speech	Distinct Word Count	Document Word Count	Paragraph Count	Probability Difference
Opening Address					**Cosmological**				
Noun [yo]-Slot	104	3975	14	0.34791	Verb a-Base	135	5180	14	0.11071
Modifier y-Base	21	2004	1	-0.16116	c | cs + e^{0-4}[lrs]	22	172	3	0.06002
Verb a-Base	32	3143	3	-0.17322	Verb Double a-Base	58	180	3	0.05971
Pharmacological					Verb Suffixed a-Base	36	249	1	0.01259
Noun [yo]-Slot	875	13497	102	0.21643	Modifier y-Base	131	4687	6	-0.04800
c | cs + e^{0-4}[lrs]	7	145	8	0.05669	Noun [yo]-Slot	1304	14813	18	-0.17308
Verb Suffixed a-Base	17	208	1	-0.00117	**Balneological**				
Modifier y-Base	78	4250	10	-0.10601	Modifier y-Base	272	5971	117	0.11639
Verb a-Base	74	4421	6	-0.14494	c | cs + e^{0-4}[lrs]	30	231	34	0.08752
Herbal					c | cs | c[fptk] | [tk] + e^{0-4}d	15	75	3	0.00577
c | cs + e^{0-4}[lrs]	33	230	45	0.04748	Unassigned	3	3	1	0.00271
Verb Double a-Base	53	156	8	0.00491	Verb a-Base	181	5515	70	0.00027
a-Base + y-Base Compound?	29	50	3	0.00210	Verb Double a-Base	20	77	1	0.00007
Modifier y-Base	302	6001	153	0.00109	Verb Suffixed a-Base	33	234	1	-0.00553
c | cs | c[fptk] + e^{0-4}n	5	6	1	0.00103	Single-Letter Word	5	349	0	-0.01246
Unassigned	7	18	1	0.00066	Noun [yo]-Slot	962	15403	128	-0.18939
c | cs | c[fptk] | [tk] + e^{0-4}d	19	82	2	-0.00010	**Section 5**				
Detached Class Modifier	12	46	1	-0.00020	c | cs + e^{0-4}[lrs]	39	212	48	0.06008
Verb Suffixed a-Base	38	253	6	-0.00050	Verb a-Base	378	6075	174	0.05274
Noun [yo]-Slot	2285	19348	482	-0.01015	Modifier y-Base	303	6029	160	0.03472
Verb a-Base	314	5849	123	-0.03060	Verb Double a-Base	105	248	20	0.02007
Rosette Section					a-Base + y-Base Compound?	46	67	8	0.00903
Verb a-Base	131	5174	29	0.14606	c | cs | c[fptk] | [tk] + e^{0-4}d	32	112	9	0.00902
c | cs + e^{0-4}[lrs]	9	129	4	0.04360	Detached Class Modifier	8	29	2	0.00188
Modifier y-Base	113	4653	18	0.03281	Verb Suffixed a-Base	43	254	5	-0.00096
Verb Double a-Base	30	112	3	0.03210	Noun [yo]-Slot	1924	18601	294	-0.17017
c | cs | c[fptk] | [tk] + e^{0-4}d	6	54	2	0.02222					
Noun [yo]-Slot	735	14244	26	-0.25445					

Table 16.6: Word Complexity at Positions 1-20 of Qualifying Voynich Paragraphs, by Average Length and Position Specificity Score

Paragraph Position	Average Word Length	StDev Word Length	Position Specificity Score	Position Count
1	6.48240	1.79552	0.35217	767
2	5.76693	1.82525	0.24629	768
3	5.80523	1.84404	0.25263	765
4	5.64146	1.78491	0.24389	767
5	5.55439	1.73527	0.23964	763
6	5.57520	1.90986	0.25287	758
7	5.53042	1.77335	0.23547	756
8	5.44974	1.85683	0.24100	756
9	5.32100	1.81593	0.25129	757
10	5.15047	1.75043	0.23378	751
11	5.14854	1.73831	0.21423	754
12	5.11421	1.79100	0.19209	753
13	5.29827	1.71394	0.18525	751
14	5.18182	1.65953	0.14375	748
15	5.31007	1.67980	0.15054	745
16	5.18293	1.78198	0.17074	738
17	5.26330	1.65962	0.16738	733
18	5.06052	1.72701	0.14378	727
19	4.98468	1.71905	0.15875	718
20	5.00142	1.67986	0.15648	703

Table 16.7: 1st Occurrences of a-Bases within Voynich Paragraphs, by Position

Text Sequence Position	Position Count	Position Probability	Text Sequence Position	Position Count	Position Probability
1	109	0.15395	18	6	0.00847
2	85	0.12006	19	11	0.01554
3	57	0.08051	20	6	0.00847
4	**61**	**0.08616**	21	5	0.00706
5	58	0.08192	22	4	0.00565
6	43	0.06073	23	3	0.00424
7	39	0.05508	24	7	0.00989
8	30	0.04237	25	1	0.00141
9	34	0.04802	26	2	0.00282
10	38	0.05367	27	2	0.00282
11	29	0.04096	28	3	0.00424
12	14	0.01977	29	4	0.00565
13	15	0.02119	31	1	0.00141
14	17	0.02401	32	1	0.00141
15	7	0.00989	35	1	0.00141
16	5	0.00706	49	1	0.00141
17	9	0.01271			

Table 16.8: Other Examples in Version #29 of the Critical [yo][fptk][ao][lr] c | cs + e^{1-4}y Grammar (Related to *okaly cseey* and *oror cseeey*)

otol Variants
f9r #2 (…qotol ceyky…)
f20r #1 (…otolceey)
f20r #2 (…qotol ceeey…)
f21r #1 (… qotol csey ol ceeor cey qokceey ceey…)
f21r #2 (otolocseeey…)
f45v #1 (…qotol qotol cey…)
f47v #1 (…qotol cseeey…)
f48v #2 (…ykedy oldy otoly ceey kaly…)
f90v1 #1 (…otol cseey…)
f89v2 #3 (…otol cseeey…)
f100r #2 (…otolceey)
f101r1 #2 (…otol cseeey…)
f80v #5 (…qoteedy qotol csey…qoty olol ceeey…)

otal
f70r2 Diagram Label (…qokal cedy qotal ceey…)
f86v5 # 2 (…ytal ceey otal aiiin…)
f82v # 4 (… qotal cseey…qokal saiin cseey qokol ceol…)
f83v # 1 (…qokedy qotal ceey dar…)
f103v # 8 (…qokcsey qotal cseeey oloiin…)
f107v # 1 (otalkcey…otal ceeey…)

otor
f23v Borage #1 (…qoteotor cey…)
f28r #1 (…otor cey kceoror..)
f99v #2 (otor cey)

otar
f31r #1 (…qokeey ceey… qotar cey dar…)
f106v #11 (…qotar ceey…)
f115v #13 (…ototar cseeey…)

okor
f9r #1 (…ctey okor ceey cteod ram…)
f15r #1 (…okor csey…)
f38r #1 daiin sy okor ceey kain…)
f93r #1 (…sodal cseeo al sal qokor cseey okceeor cseeedom…)
f68r1 Diagram Label (…ceod ykor cseey…)

okar and okaiir
f1r Opening Address #5 (…okaiir ceey rcey…)
f54v #1 (…qodaim qokar cey s am…)
f75r #1 (…qokar csey kceedy qotar cseedy dain…)
f75r #3 (…ytain ceedy qokar cey…qokal okar cseedy…qokal oly cseey r ol ceeey cseey…)
f75v #4 (…qokar cseey…)
f79r #2 (polceedy qokar cseey…)
f80v #7 (…qokaiin okain okar cseey…)
f82v #5 (…qokar cseey…olor ceey…)
f81r #4 (… qokar ceey…)
f86v5 #5 (…ykar cseey ytaiin)
f86v5 #4 (…qokar ceeey…)
f86v5 #1 (…qokar csey…otam cseedy cedy…oky cseeeey…)
f107v #8 (…cseo qokar ceeey…)
f107v #5 (…ceeol qokar ceey…)
f116r #12 (…ceoy qokar ceey dain…)
f58v Paragraph Label (okar cseeey cseekealy)
f58v #1 (…ykair cseey…)
f80r #2 (…qokair cseey…)

okol
f2r # 2 (…ckeor okol cey ceor cteor yor an cean…)
f10v # 2 (…qokol ceyky ceol ceeky daiin dain ceckean…)
f94r # 1 (…otody qokol ceey qokair opary…)
f77r # 1 (…qokol ceey…qokain cseeey…)
f82r # 2 (…qokol ceey…)
f99r # 1 (…ykol ceeey…)
f89r2 # 3 (…qokol ceey…qokeol ceeey qokeey saiin…)
Rosette #4 Compartment #1 (okar oloeeky daiiin okeedy qokoey oefoedy ory lkoecey okol cseeey tolfoeg rair cseodaiiin)

okal
f13v # 2 (…okal cey…)
f55v # 2 (…qokcey okal ceey…)
f69r Diagram Label (…ceoetey okal cey…)
Gemini - Intermediate Ring (…okaly dalcedy cseteeey okal cseey…)
f76r # 2 (…otedy qokal cseey…)
f78v # 2 (…okal cseey ol cseedy okal okceey…)
f79r # 3 (…qokl cseey qokal ceedy…kcseedy otal cseeey…)
f79v # 3 (…qokain cseeey…ykail csey qolar cseey…)
f84r # 3 (…okaly ceey okal ceedy…qokal ol cseedy… qokedy okal cseey…)
f106r # 14 (…qokal ceey…)
f106v # 15 (…okal ceey…)
f111v # 9 (…okal ceey…)
f113v # 1 (…okal ceey…)

okoy
f20v #1 (fais ar okoy csey…)

op[ao]r
Rosette #2 Interior Ring (…opal csey…)
Scorpio - Intermediate Ring (…otar ceey…opar ceey…)
f86v5 #2 (…opor cseey…ytal ceey…)

Table 16.9: Affinity of y-Base Modifiers for Clause Marker Clusters

Part of Speech	Document		Marker Counts		Marker Probabilities		Probability Differences	
	Word Count	Probability	Non-Cluster	Cluster	Non-Cluster	Word Count	Non-Cluster	Cluster
Modifier y-Base	6621	0.17010	332	161	0.19762	0.26393	0.02752	0.09383
c | cs + $e^{0\text{-}4}$[lrs]	298	0.00766	143	42	0.08512	0.06885	0.07746	0.06119
a-Base + y-Base Compound	134	0.00344	4	5	0.00238	0.00820	-0.00106	0.00476
c | cs | c[fptk] | [tk] + $e^{0\text{-}4}$d	139	0.00357	13	5	0.00774	0.00820	0.00417	0.00463
Verb Double a-Base	396	0.01017	28	8	0.01667	0.01311	0.00650	0.00294
Other $e^{1\text{-}4}$s Endings	21	0.00054	0	1	0.00000	0.00164	-0.00054	0.00110
Verb Suffixed a-Base	354	0.00909	12	4	0.00714	0.00656	-0.00195	-0.00253
Verb a-Base	6555	0.16841	335	98	0.19940	0.16066	0.03099	-0.00775
Noun [yo]-Slot	23716	0.60929	804	286	0.47857	0.46885	-0.13072	-0.14044

Table 16.10: Composition of the Leading Clause Marker Clusters

Combination Count	Empirical Probability	Noun	Modifier	c | cs | c[fptk] | [tk] + $e^{0\text{-}4}$d	Verb-Modifier Compound	Verb	Compound Verb	Suffixed Verb	Suspected Relative Clause Markers
107	0.17541	2	0	0	0	0	0	0	0
94	0.15410	1	1	0	0	0	0	0	0
48	0.07869	1	0	0	0	1	0	0	0
46	0.07541	0	1	0	0	1	0	0	0
44	0.07213	0	2	0	0	0	0	0	0
23	0.03770	0	0	0	0	2	0	0	0
20	0.03279	1	0	0	0	0	0	0	1
14	0.02295	2	0	0	0	1	0	0	0
14	0.02295	0	0	0	0	1	0	0	1
14	0.02295	2	1	0	0	0	0	0	0
13	0.02131	0	1	0	0	0	0	0	1
12	0.01967	3	0	0	0	0	0	0	0
11	0.01803	1	1	0	0	1	0	0	0
11	0.01803	1	2	0	0	0	0	0	0
10	0.01639	0	0	0	0	0	0	0	2
5	0.00820	0	2	0	0	1	0	0	0
5	0.00820	0	1	0	0	2	0	0	0
5	0.00820	1	1	0	0	0	0	0	1
5	0.00820	0	3	0	0	0	0	0	0
4	0.00656	2	2	0	0	0	0	0	0
4	0.00656	0	1	0	0	1	0	0	1
4	0.00656	0	0	0	0	1	1	0	0
3	0.00492	0	0	0	0	3	0	0	0
3	0.00492	1	0	1	0	0	0	0	0
3	0.00492	1	0	0	0	2	0	0	0
3	0.00492	3	1	0	0	0	0	0	0
2	0.00328	1	2	0	0	1	0	0	0
2	0.00328	2	1	0	0	2	0	0	0
2	0.00328	0	2	0	0	0	0	0	1
2	0.00328	0	1	1	0	0	0	0	0
2	0.00328	0	1	0	0	0	1	0	0
2	0.00328	1	0	0	0	0	1	0	0
2	0.00328	2	0	0	0	0	0	0	1
2	0.00328	2	0	0	0	0	0	1	0
2	0.00328	0	0	0	0	2	0	0	1
2	0.00328	0	0	0	0	1	0	1	0
2	0.00328	0	0	0	1	1	0	0	0
2	0.00328	3	2	0	0	0	0	0	0
2	0.00328	2	3	0	0	0	0	0	0

Table 16.11: Prevalence of Part-of-Speech Combinations at Clause Beginnings

Rank	Parts of Speech			
	1st Clause Position	2nd Clause Position	Combination Count	Empirical Probability
1	Noun [yo]-Slot	Noun [yo]-Slot	689	0.30622
2	Modifier y-Base	Noun [yo]-Slot	288	0.12800
3	Verb a-Base	Noun [yo]-Slot	236	0.10489
4	Noun [yo]-Slot	Modifier y-Base	175	0.07778
5	Noun [yo]-Slot	Verb a-Base	165	0.07333
6	Modifier y-Base	Modifier y-Base	101	0.04489
7	c | cs + $e^{0\text{-}4}$[lrs]	Noun [yo]-Slot	96	0.04267
8	**Verb a-Base**	**Modifier y-Base**	**87**	**0.03867**
9	Verb a-Base	Verb a-Base	85	0.03778
10	**Modifier y-Base**	**Verb a-Base**	**73**	**0.03244**
11	c | cs + $e^{0\text{-}4}$[lrs]	Verb a-Base	38	0.01689
12	Verb Double a-Base	Noun [yo]-Slot	23	0.01022
13	c | cs + $e^{0\text{-}4}$[lrs]	Modifier y-Base	22	0.00978
14	c | cs | c[fptk] | [tk] + $e^{0\text{-}4}$d	Noun [yo]-Slot	12	0.00533
15	Modifier y-Base	Single-Letter Word	10	0.00444
16	Verb Double a-Base	Verb a-Base	8	0.00356
16	Noun [yo]-Slot	Verb Suffixed a-Base	8	0.00356
16	c | cs + $e^{0\text{-}4}$[lrs]	Single-Letter Word	8	0.00356
19	Verb Suffixed a-Base	Noun [yo]-Slot	7	0.00311
19	Noun [yo]-Slot	Single-Letter Word	7	0.00311
21	Noun [yo]-Slot	Verb Double a-Base	6	0.00267
22	**Modifier y-Base**	**Verb Suffixed a-Base**	**5**	**0.00222**
22	a-Base + y-Base Compound	Noun [yo]-Slot	5	0.00222
22	Noun [yo]-Slot	c | cs + $e^{0\text{-}4}$[lrs]	5	0.00222
25	c | cs + $e^{0\text{-}4}$[lrs]	c | cs + $e^{0\text{-}4}$[lrs]	4	0.00178
25	Noun [yo]-Slot	Detached Class Modifier	4	0.00178

25	Noun [yo]-Slot	a-Base + y-Base Compound	4	0.00178
25	Noun [yo]-Slot	c | cs | c[fptk] | [tk] + e^{0-4}d	4	0.00178
25	**Verb Double a-Base**	**Modifier y-Base**	**4**	**0.00178**
25	Verb a-Base	Single-Letter Word	4	0.00178
25	c | cs + e^{0-4}[lrs]	Verb Suffixed a-Base	4	0.00178
25	Verb a-Base	Verb Suffixed a-Base	4	0.00178
33	a-Base + y-Base Compound	Verb a-Base	3	0.00133
33	Detached Class Modifier	Noun [yo]-Slot	3	0.00133
33	Verb a-Base	Verb Double a-Base	3	0.00133
33	c | cs | c[fptk] | [tk] + e^{0-4}d	Modifier y-Base	3	0.00133
33	**Verb Suffixed a-Base**	**Modifier y-Base**	**3**	**0.00133**
33	Unassigned	Noun [yo]-Slot	3	0.00133
33	Verb a-Base	c | cs + e^{0-4}[lrs]	3	0.00133
40	c | cs + e^{0-4}[lrs]	Consonant Clusters + Complex X-Words	2	0.00089
40	Modifier y-Base	Consonant Clusters + Complex X-Words	2	0.00089
40	Modifier y-Base	c | cs | c[fptk] | [tk] + e^{0-4}d	2	0.00089
40	Verb a-Base	c | cs | c[fptk] | [tk] + e^{0-4}d	2	0.00089
40	c | cs + e^{0-4}[lrs]	a-Base + y-Base Compound	2	0.00089
40	Modifier y-Base	a-Base + y-Base Compound	2	0.00089
40	c | cs | c[fptk] | [tk] + e^{0-4}d	Verb a-Base	2	0.00089
40	Verb Suffixed a-Base	Verb a-Base	2	0.00089
40	c | cs + e0-4[lrs]	Verb Double a-Base	2	0.00089
49	**Modifier y-Base**	**Verb Double a-Base**	**1**	**0.00044**
49	Modifier y-Base	Other e^{1-4}s Endings	1	0.00044
49	Noun [yo]-Slot	Other e^{1-4}s Endings	1	0.00044
49	c | cs | c[fptk] + e^{0-4}n	Single-Letter Word	1	0.00044
49	Noun [yo]-Slot	Unassigned	1	0.00044
49	Verb a-Base	Unassigned	1	0.00044
49	Consonant Clusters + Complex X-Words	Noun [yo]-Slot	1	0.00044
49	Verb a-Base	a-Base + y-Base Compound	1	0.00044
49	c | cs | c[fptk] | [tk] + e^{0-4}d	c | cs | c[fptk] | [tk] + e^{0-4}d	1	0.00044
49	c | cs + e^{0-4}[lrs]	c | cs | c[fptk] + e^{0-4}[fptk]	1	0.00044
49	Modifier y-Base	c | cs | c[fptk] + e^{0-4}[fptk]	1	0.00044
49	Noun [yo]-Slot	c | cs | c[fptk] + e0-4[fptk]	1	0.00044
49	Noun [yo]-Slot	c | cs | c[fptk] + e^{0-4}[mg]	1	0.00044
49	Verb a-Base	c | cs | c[fptk] + e^{0-4}[mg]	1	0.00044
49	Verb a-Base	Detached Class Modifier	1	0.00044
49	a-Base + y-Base Compound	Modifier y-Base	1	0.00044
49	Modifier y-Base	Detached Class Modifier	1	0.00044
49	c | cs | c[fptk] + e^{0-4}[mg]	Noun [yo]-Slot	1	0.00044
49	Other e^{1-4}s Endings	Noun [yo]-Slot	1	0.00044
49	Verb Suffixed a-Base	Single-Letter Word	1	0.00044

Table 16.12: Internal Fault Lines within the Modifier → Verb vs. Verb → Modifier Clause Initiator Lines

Suspected Adverbs in Modifier → Verb Beginnings	
Ablated Word	**Instance Count**
edy	11
eey	11
ceey	8
cey	7
ceedy	7
eedy	6
y	6
ceeey	3
cedy	3
ey	2
csey	2
ecey	1
eeedy	1
eeey	1
cedeedy	1
cseedy	1
cseey	1
cety	1

Suspected Adjectives in Verb → Modifier Beginnings (in Common with the Modifier → Verb Pattern)	
Ablated Word	**Instance Count**
cseedy	10
ceey	9
dy	8
ceedy	7
cseey	4
y	4
csey	3
cseeey	3
ceeey	2
csedy	2
edy	1
cedy	1
ceeedy	1
cey	1

Suspected Adjectives in Verb → Modifier Beginnings (in Common with the Modifier → Verb Pattern)	
Ablated Word	**Instance Count**
ceckey	4
ceeckey	2
csekceedy	1
cseeckeey	1
cseeckey	1
ceekeedy	1
ceekey	1
cseepcey	1
cseeeky	1
cteey	1
ctey	1
dceedy	1
dcseedy	1
lkeeceey	1
ly	1
sy	1
cecteey	1
cectey	1
ceckedy	1
ceckeedy	1
ceckeey	1
cekcey	1
ceky	1
cety	1
ckcsey	1
ckeey	1
csectey	1

Table 16.13: Head-Dependent Discrimination for Marking Purposes[45]

Head	Dependent	English Marking Examples	Probable Voynich Order	Probable Voynich Marking
Predicate (often controlled by a verb)	Subject, object, indirect object nouns (i.e. "arguments and adjuncts")	*Kim loves Lee*	Head-final	Dependent-marking
Auxiliary Verb	Main i.e. Lexical Verb		Head-final	Dependent-marking
Adposition	Noun Targeted by the Adposition	*in the shower* (zero-marking)	Head-final	Dependent-marking (or zero)
Verb	Adverb		Head-final	Dependent-marking (likely)
Noun	Adjective	*red book* (zero-marking)	Head-first with head-final exceptions?	Dependent-marking (likely)
Possessed Noun	Possessor Noun	*Kim's house, my house* (dependent-marking)	Head-final	Dependent-marking
"Main Clause Predicate"	Relative/Subordinate Clause		Head-first?	Dependent-marking? (for consistency)

Table 17.1: Declension of Latin Personal Pronouns[46] vs. Hypothetical (and Incorrect) Voynich Examples from the o[dlrs | y] Distribution

	Latin Singular					**Latin Plural**				
Case / Person	**1st (I)**	**2nd (You)**	**3rd (He, She, It)**			**1st (We)**	**2nd (Y'all)**	**3rd (They)**		
Nominative	ego	tu	is	ea	id	nos	vos	ei	eae	ea
Accusative	me	te	eum	eam	id	nos	vos	eos	eas	ea
Dative	mihi	tibi	ei	ei	ei	nobis	vobis	eis	eis	eis
Ablative	me	te	eo	ea	eo	nobis	vobis	eis	eis	eis
Genitive	mei	tui	eius	eius	eius	nostri	vestri	eorum	earum	eorum
	Hypothetical (but Incorrect) Voynich Singular					**Hypothetical Voynich Plural**				
Case / Person	**1st (I)**	**2nd (You)**	**3rd (He, She, It)**			**1st (We)**	**2nd (Y'all)**	**3rd (They)**		
Nominative	oy	or	od	os	ol	+ single affix for plurals – q? + single affix for reflexives				
Accusative	doy	dor	dod	dos	dol					
Dative	soy	sor	sod	sos	sol					
Ablative	loy	lor	lod	los	lol					
Genitive	roy	ror	rod	ros	rol					

Table 17.2: Constraint Map for All Potential Case Roles

Name	Applicable to Nouns	Applicable to Verbs	Rare in Natural Languages	Infrequently Used	Complex Class	Affixable Multiple Times to a Single Word	Class Mixable Within a Single Word	Sensible In Repetitious Phrases	Singular Per Phrase (w/o Conjunctions)	Singular Per Clause
Noun Cases										
Person	√				√					
Genitive	√									
Genitive Case	√									
Possessed	√									
Possessive	√								√	
Inherently Possessed	√		√	√						
Markedness	√				√					
Nominative	√	√							√	√
Accusative	√	√							√	√
Dative	√	√							√	√
Ablative	√	√							√	√
Semantic	√							√		
Semantic - Abstract vs. Concrete	√	√						√		
Semantic - Animacy	√	√			√			√		
Semantic Classification	√	√			√	√	√	√		
Superclass	√	√			√	√	√	√		
Subclass	√	√			√	√	√	√		
Valency	√	√	√							
Numeric	√				√	√	√	√		
Number/Plurality	√						√	√		
Quantifiers	√				√			√		
Partitive	√				√		√	√		
Distributive	√						√			
Countability	√		√	√						
Negation (no vs. Yes)	√	√								
Conjunctive	√							√		
Conjunctive (and)	√	√						√		
Conjunctive (or)	√	√						√		
Causal (because)	√	√								
Comitative, Sociative (with, together)	√							√		
Privative, Absessive (without)	√							√		
Other Subordinating Conjunctions	√									
Specificational	√							√ (some)		
This/The	√								√	
That	√								√	
A	√							√	√	
Instrumental	√	√								
Instrumental (by means of)	√	√								
Instructive (how)	√	√								
Motion and Position					√	√	√	√		
Motion From	√				√	√	√	√	Exactly 2	
Motion To	√				√	√	√	√	Exactly 2	
Motion Via	√				√	√	√	√	Exactly 2	
Locative	√				√	√	√	√	√	
Temporal	√	√			√	√	√	√	√	
Verb Conjugation										
Stative	√	√								
Semblative/Similative, Equative, Comparative (like)	√								√	
Identical, Adverbial (is, being)	√	√							√	
Essive (as a…)	√								√	
Translative (turning into a…)	√		√						√	
Tense		√								
Past		√			√			√		
Present		√			√			√		
Future		√			√			√		
Aspect		√								
Progressive/Continuous		√						√		
Stative		√						√		
Mood		√			√		√	√		
Conditional		√			√		√	√		
Deontic		√			√		√	√		
Imperative		√			√		√	√		
Epistemic		√			√		√	√		
Voice		√			√		√			
Active		√					√			
Passive		√					√			
Anti-Passive		√	√				√			
Middle		√	√				√			
Causative		√	√				√			
Cooperative		√	√				√			
Intensive		√	√				√			
Reciprocal		√	√				√			
Reflexive		√	√				√			
Other										
Attitude	√		√		√					
Benefactive	√	√								
Aversive	√	√								
Politeness Degree	√	√	√							
Vocative	√	√	√	√						
Purposive	√									
Volitional	√									
Quotative	√		√	√						

Table 17.3: Constraint Map for All Relevant Affix Types

Encoding Slot or Affix Group Name	Repetition Count	Distinct Symbol Count	Common	Complex Class Required	Multiple Allowed in a Single Word	Diverse Members Allowed in Single Word	Repetitious Phrase Required	Noun Required
Outermost Optional [yo] Prefixes	1	2		√ (Simple Required)				√
q	1	1	√	√ (Simple Required)			√	√
[fptk | b] Prefix	1	5	√	√				
[dlrs] Prefix	1	5	√	√				
([yo] | a) Block	1	3	√	√ (Simple Required)				
c | cs | c[fptk] + e^{1-4} Sequence	3	1	√	√	√	√		
e Infixes	4	1	√	√	√			
i Infixes	4	1	√	√	√			
[dlrsmg | fptk | n] Trailing Consonants								
[dlrsmg] Suffixes	4	7		√	√	√		
[yo | a] Suffix Block	1	2		√ (Simple Required)				
[fptk]-Infix Extensions								
c-Sequence + [s | fptk | b]	1	5	√	√	√	√		
d[fptk]	1	5						
l[fptk]	1	5						
r[fptk]	1	5						
s[fptk]	1	5						
q[fptk]	1	5						
Purely Semantic [fptk]-Infix Extensions								
[yo | a][fptk]	1	6	√	√				
[yo | a][dlrs]	1	6	√	√				
[yo][dlrs][fptk]	1	7	√	√				

Table 17.4: Map of Permissible Affix-Case Role Matches

Name	Rigid Word Order	Particle Model	q	[fptk] Prefix	[dlrs] Prefixes	Initial (yo | a) Block	c[s] Infixes	c[fptk] Infixes	i Infixes	[dlrsmg] Suffixes	[yoa] Suffix Block
Pronominals		√ **o[lr]**			√ **Verbs only**						
Genitive Case Possessed vs. Possessive	√ **(unlikely)**				√ **d only**	√					√
Markedness Hierarchy	√				√ **Nouns or Verbs only**						
Numeric									√		
Number/Plurality					√ **d only**	√					√ **Nouns only**
Quantifiers				√		√ **some | all**		√	√		
Negation					√ **l only**		√				
Conjunctive											
Conjunctive (and)			√								
Conjunctive (or)					√ **l only**						
Causal (because)					√ **[ds] only**					√ **(augmented)**	
Contrastive (but)					√ **[ds] only**					√ **(augmented)**	
Relative/Interrogative Markers					√ **[lr] only**					√ **(augmented)**	
Specificational											
This/The				√							
That				√							
A			√	√	√ **l only**						
Instrumental											
Instrumental (by means of/for)					√ **d only**	√ **with y-Genitive**					√ **Nouns only?**
Instructive (how)											
Purposive (for)					√ **d only**						
Spatio-Temporal											
in/on/at/by					√ **d + Verbs only**					√ **(augmented)**	√ **Nouns only?**
to					√ **s + Verbs only**					√ **(augmented)**	
less common Spatio-Temporal					√ **[lr] + Verbs only**					√	√ **[oa]**
Verbs											
Tense											
Future					√ **d only**				√		
Past					√ **[lrs] only**				√		
Aspect											
Progressive/Continuous					√ **d only**						√ **Verbs only**
Mood											
Conditional	√				√						
Deontic	√				√						
Epistemic	√				√						
Imperative	√				√ **d only**						√ **Verbs only**
Voice											
Reflexive											
Reciprocal											
Attached Modals and Auxiliaries					√						
Adjectives, Adverbs											
Superlative (very)					√ **[ds] split model**						
Comparative (like)					√ **[ds] split model**						

Table 17.5: Initial Enumeration of Plausible Affix Combinations under the Tripartite Part-of-Speech Model

[dlrs] Prefixes	[dlrsmg] Suffixes	[yoa] Suffix Block	Initial (yo | a) Block	Omitted
Verbs (d = Future/Imperative, s= Past) Nouns (d = Purposive *for*) Adjectives ([ds] = like, very) l = OR	Spatio-Temporal (augmented)	Verbs (y = Progressive/Continuous) Nouns (y = Plurality)	Genitive + Instrumental	Subordinators, Relative/Interrogatives
Verbs (d = Future/Imperative, s= Past) Nouns (d = Plurals) Adjectives ([ds] = like, very) l = OR	Spatio-Temporal Single-letter versions = Subordinators, Relative/Interrogatives	Verbs (y = Progressive/Continuous) Nouns (y = Locative, [oa] = *to/from*)	Genitive + Instrumental	Purposive *for*
Verbs (d = Future/Imperative, s= Past) Nouns (d = Purposive *for*) Adjectives ([ds] = like, very) l = OR	Spatio-Temporal (augmented)	Verbs (y = Progressive/Continuous) Nouns (y = Genitive + Instrumental)	Plural + *some, all*	Subordinators, Relative/Interrogatives
Verbs (d = Future/Imperative, s= Past) Nouns (d = Locative, s= *to*, r = *from*) Adjectives ([ds] = like, very) l = OR	Spatio-Temporal Single-letter versions = Subordinators, Relative/Interrogatives	Verbs (y = Progressive/Continuous) Nouns (y = Genitive + Instrumental, or = Purposive *for*?)	Plural + *some, all*	
Verbs (d = Future/Imperative, s= Past) Nouns (d = Genitive) Adjectives ([ds] = like, very) l = OR	Spatio-Temporal Single-letter versions = Subordinators, Relative/Interrogatives	Verbs (y = Progressive/Continuous) Nouns (y = Locative, [oa] = *to/from*)	Plural + *some, all*	Purposive *for* Instrumental case
Verbs (d = *-ing*, s= Future, r = Past) Nouns Adjectives ([ds] = like, very) l = OR				
Spatio-temporals on Verbs (d = Locative, s= *to*, r = *from*) Nouns Adjectives ([ds] = like, very) l = OR				
The Mood hierarchy (d = Imperative, s = Conditional)				
Subordinators ([ds] = Causal, Contrastive, [lr] = Relative/Interrogatives)				
Attached Modals and Auxiliaries				

Table 17.6: Preferred Affix-Function Mapping that Best Minimizes Constraint Violations

Name	
Derivational	
Noun	o
Verb	a
Modifier	None (but usually -y)
Derivational Compounding	
Noun ← Adjective (-ish?)	o ←y
Verb ←Adjective (*to redden* etc.) vs. Adverb	a ←y
Noun ← Verb (-ize?)	o ← a
Semantic	
Superclass Specifier	c-sequences, possibly c[s | fptk]-
Subtype/Subclass	Trailing -[dlrsmg] consonants
Individual Item Identifiers	[ei] in some cases?
Markedness Hierarchy	
Subject	Unmarked with Rigid SOV word order
Direct Object	
Indirect Object	
Pronominals	
It	o- (it)
She/He	ol-, or- less likely (too many of them for *he*/*she* etc.)
Genitive Case	
probably dependent-marked on the Possessor	y- vs. -y
Numeric	
Singular	unmarked (no –[yo] suffix)
Few	-o?
Many/Multiple/Plurality + Collective	y- vs. -y
Quantifiers - All	c[fptk | lr] member vs. d-prefixes on Nouns vs. -y
Quantifiers - Other	c[fptk | lr] member vs. l-prefixes on Nouns as "some" vs. -o
Quantifiers - None	cs vs. s-prefixes on Nouns vs. –a?
Enumerators	
Numeric/Partitive Case	e vs. i
?	i – strength of action/adverbial in *okaiil*, etc.?
Sequence/Comitative-Sociative "with"	q-
Negation	
No, none, never, except, the aversive case ("bad")	s (vs. d-)
Conjunctive	
And (moreover, furthermore, also, in addition to)	q
Or (which, could)	l
Contrastive (but)	c-sequences + s as *except*
Causal (because)	c | cs + e^{0-4}[lr]
Relative/Interrogative Markers	c | cs + e^{0-4}[lr]
Specificational	
This/The	[fptk]-?
That	[fptk]-?
A/An/Another	q-
Instrumental	
Instrumental (by means of/for) and Purposive (for) + other clause governance, like since, because, therefore	1 member of [fptk]- vs. -y on nouns = *of*, intersecting the genitive?
Instructive (how)	1 member of [fptk]- vs. -o maybe???
Spatio-Temporal	[dlrsmg]
in/on/at/by	-d
to	?
up	-l
down	-r
furthest, not at, away etc.	-s
out from vs. into/inside	-[mg]
less common Spatio-Temporal	j
Verbs	
Tense	
Future (must, should)	d-
Present	default unmarked? l- as an intermediate "choice" on the scale as well vs. ability
Past	r-
Never (must not do, do not, never)	s-
Mood	
Conditional	verb inversion vs. [fptk]-
Deontic	default unmarked?
Epistemic	default unmarked?
Imperative	d- (must/imperative) more likely than [fptk]- or verb inversion
Attitude	
Benefactive (good)	d-
Aversive (bad)	s-
Aspect	
Progressive/Continuous	-y on verbs?
Voice	
Reflexive	-o, -a suffixes on verbs a leftover option?
Reciprocal	-o, -a suffixes on verbs a leftover option?
Attached Modals and Auxiliaries	
	a-prefixes the closest thing
Adjectives, Adverbs	
Superlative (very)	d- (affirmative as *very*?) vs. y-Base repetitions
Comparative (like)	-y base???

Table 17.7: All 107 Possible [yo] → a Substitutions in the Initial Positions of Noun Candidates in Version #29

Word	Possible Noun Base	Word Count 1	Word Count 2	Noun Group	Word	Possible Noun Base	Word Count 1	Word Count 2	Noun Group
aral	oral	16	10	o[lr]	airal	oiral	2	1	o[lr]
arol	orol	13	15	o[lr]	alcedy	ylcedy	2	1	o[lr]
aldy	oldy	11	28	o[lr]	akaiin	okaiin	1	205	[yo][fptk]
aram	oram	11	8	o[lr]	ataiin	otaiin	1	148	[yo][fptk]
araiin	oraiin	9	37	o[lr]	akain	okain	1	141	[yo][fptk]
alol	olol	9	15	o[lr]	akal	okal	1	141	[yo][fptk]
araiin	yraiin	9	1	o[lr]	akaiin	ykaiin	1	45	[yo][fptk]
arar	orar	8	10	o[lr]	ataiin	ytaiin	1	42	[yo][fptk]
alam	olam	8	6	o[lr]	alkeey	olkeey	1	39	o[lr]
alor	olor	7	36	o[lr]	akair	okair	1	25	[yo][fptk]
alkain	olkain	7	31	o[lr]	akceedy	okceedy	1	25	[yo][fptk]
alor	ylor	7	1	o[lr]	alcseedy	olcseedy	1	23	o[lr]
alar	olar	6	14	o[lr]	akal	ykal	1	16	[yo][fptk]
alkam	olkam	6	10	o[lr]	adal	odal	1	16	od
aror	oror	6	6	o[lr]	alkal	olkal	1	12	o[lr]
alody	olody	6	1	o[lr]	akain	ykain	1	10	[yo][fptk]
alar	ylar	6	1	o[lr]	akair	ykair	1	8	[yo][fptk]
alkaiin	olkaiin	5	33	o[lr]	ador	odor	1	8	od
alal	olal	5	8	o[lr]	akceedy	ykceedy	1	7	[yo][fptk]
alom	olom	5	3	o[lr]	alcsedy	olcsedy	1	5	o[lr]
alkaiin	ylkaiin	5	2	o[lr]	aldam	oldam	1	5	o[lr]
alkeedy	olkeedy	4	42	o[lr]	arair	orair	1	5	o[lr]
alceedy	olceedy	4	38	o[lr]	araiiin	oraiiin	1	5	o[lr]
alkar	olkar	4	21	o[lr]	alkcedy	olkcedy	1	4	o[lr]
als	ols	4	18	o[lr]	alkair	olkair	1	4	o[lr]
alain	olain	4	14	o[lr]	alkol	olkol	1	3	o[lr]
alcseey	olcseey	4	11	o[lr]	aleedy	oleedy	1	3	o[lr]
alcseey	ylcseey	4	1	o[lr]	alceed	olceed	1	3	o[lr]
arl	yrl	4	1	o[lr]	adal	ydal	1	3	od
alaiin	olaiin	3	52	o[lr]	araly	oraly	1	3	o[lr]
adar	odar	3	23	od	arary	orary	1	2	o[lr]
alky	olky	3	23	o[lr]	alsy	olsy	1	2	o[lr]
aldaiin	oldaiin	3	9	o[lr]	aloldy	ololdy	1	2	o[lr]
aldar	oldar	3	5	o[lr]	alols	olols	1	2	o[lr]
ald	old	3	4	o[lr]	acteedy	octeedy	1	2	o + c
adar	ydar	3	1	od	alalor	olalor	1	2	o[lr]
alaiin	ylaiin	3	1	o[lr]	alkeear	olkeear	1	2	o[lr]
aloly	ololy	3	1	o[lr]	alkeeol	olkeeol	1	1	o[lr]
akar	okar	2	138	[yo][fptk]	alceeky	olceeky	1	1	o[lr]
akar	ykar	2	36	[yo][fptk]	alcseees	olcseees	1	1	o[lr]
arain	orain	2	27	o[lr]	alekeey	olekeey	1	1	o[lr]
alkedy	olkedy	2	25	o[lr]	alair	olair	1	1	o[lr]
alkey	olkey	2	12	o[lr]	akarar	okarar	1	1	[yo][fptk]
alcedy	olcedy	2	8	o[lr]	ador	ydor	1	1	od
adam	odam	2	5	od	aiinal	oiinal	1	1	on
alaiiin	olaiiin	2	4	o[lr]	ainaly	oinaly	1	1	on
alcsey	olcsey	2	4	o[lr]	alpcedy	olpcedy	1	1	o[lr]
aloiin	oloiin	2	4	o[lr]	amam	omam	1	1	om
alceor	olceor	2	3	o[lr]	arag	orag	1	1	o[lr]
alos	olos	2	2	o[lr]	arcseey	yrcseey	1	1	o[lr]
ariin	oriin	2	1	o[lr]	arg	org	1	1	o[lr]
alg	ylg	2	1	o[lr]	aran	oran	1	1	o[lr]
adam	ydam	2	1	od	arald	orald	1	1	o[lr]
					axor	oxor	1	1	ox

Table 17.8: Top 50 Noun Candidates n Version #29 Not Suffixable by *y*

Rank	Word	Missing Product	Word Count	Rank	Word	Missing Product	Word Count
1	qokain	qokainy	272	25	odar	odary	23
2	qokaiin	qokaiiny	258	25	om	omy	23
3	okaiin	okaiiny	205	25	qoaiin	qoaiiny	23
4	otaiin	otaiiny	148	29	otair	otairy	22
5	qotaiin	qotaiiny	80	29	okam	okamy	22
6	qotain	qotainy	64	29	cseodaiin	cseodaiiny	22
7	odaiin	odaiiny	59	32	olkar	olkary	21
8	cseeor	cseeory	48	32	qor	qory	21
9	ykaiin	ykaiiny	45	34	doiin	doiiny	20
10	ceodaiin	ceodaiiny	44	34	okceor	okceory	20
11	ytaiin	ytaiiny	42	34	ydaiin	ydaiiny	20
12	qodaiin	qodaiiny	38	34	kceor	kceory	20
13	olor	olory	36	38	odain	odainy	19
14	qokor	qokory	35	39	soiin	soiiny	18
15	olkaiin	olkaiiny	33	39	otceor	otceory	18
15	ceeos	ceeosy	33	39	qokceol	qokceoly	18
17	olkain	olkainy	31	39	qokair	qokairy	18
18	qotor	qotory	29	39	oar	oary	18
18	oteos	oteosy	29	44	cseeos	cseeosy	17
20	otceol	otceoly	28	45	yceeo	yceeoy	15
21	orain	orainy	27	45	yceor	yceory	15
22	qokam	qokamy	26	45	teol	teoly	15
22	dceor	dceory	26	45	qotceor	qotceory	15
24	oaiin	oaiiny	24	45	cteo	cteoy	15
25	qokeeo	qokeeoy	23	45	ceom	ceomy	15

Table 17.9: Distribution of [dlrsmg] Adfixes by Part-of-Speech Assignments in Version #29

Prefix	Distinct Word % (by Category)	Document % (by Category)	Suffix	Distinct Word % (by Category)	Document % (by Category)
a-Bases					
None	62.58993	51.30174	None	76.97842	94.65955
d	13.84892	34.14553	y	14.74820	4.17223
s	6.65468	7.37650	s	1.97842	0.35047
l	12.58993	4.18892	l	1.79856	0.31709
r	3.77698	2.93725	d	1.97842	0.21696
g	0.53957	0.05007	g	1.43885	0.16689
			r	0.35971	0.05007
			o	0.35971	0.03338
			e	0.35971	0.03338
Nouns from a-Bases					
None	65.32508	65.07772	None	81.26935	81.65803
d	19.81424	21.45078	y	16.09907	16.58031
s	6.96594	6.83938	l	0.61920	0.41451
l	4.64396	3.62694	d	0.46440	0.31088
r	3.25077	3.00518	g	0.30960	0.20725
			o	0.30960	0.20725
			r	0.30960	0.20725
			s	0.30960	0.20725
			m	0.15480	0.10363
			e	0.15480	0.10363
Noun					
None	86.78709	92.03809	None	72.45359	75.45739
d	5.63639	3.43870	y	21.49189	22.02971
l	3.41194	2.23075	o	1.52199	0.69215
s	3.24469	1.83397	s	1.20421	0.50258
r	0.91989	0.45849	l	0.98679	0.47172
			e	0.65228	0.27333
			d	0.71918	0.22925
			r	0.33450	0.16312
			g	0.36795	0.10581
			m	0.26760	0.07495
[yo][fptk] Noun Subset					
None	91.94188	98.74364	None	73.71202	62.65331
d	3.69881	0.59827	y	24.17437	36.47921
s	2.64201	0.37392	o	1.18890	0.61322
l	1.18890	0.22435	l	0.52840	0.20939
r	0.52840	0.05983	d	0.26420	0.02991
			g	0.13210	0.01496
[yo][dlrsmg] Noun Subset					
None	78.72517	85.91276	None	49.91722	75.94861
d	8.11258	6.18464	y	39.07285	21.13833
s	5.62914	3.64506	s	3.47682	1.09053
l	5.62914	3.28653	o	1.65563	0.49298
r	1.90397	0.97102	l	1.82119	0.43322
			d	1.90397	0.40335
			r	0.74503	0.22408
			g	0.74503	0.14939
			m	0.66225	0.11951
y-Base					
None	59.01060	77.34292	None		
l	15.19435	9.90057			
d	12.36749	9.73133			
s	7.06714	1.71356			
r	6.00707	1.29046			
g	0.35336	0.02116			
Possible Noun + c Compound					
None	85.27778	95.83333	None		
s	5.27778	1.86966			
d	6.66667	1.70940			
r	1.94444	0.42735			
l	0.83333	0.16026			
cees Relatives					
None	61.17647	84.42368	None		
l	20.00000	8.72274			
d	8.23529	3.11526			
r	8.23529	2.80374			
s	2.35294	0.93458			

Table 18.1: Granularity Levels for Semantic Property Comparisons

	Level	# per Word	vs. Distinct Word Count	Distinct
0	Symbol	1:M		Fewest
1	Polygraph	1:M		Fewer (except when incorporating Length)
2	Generator Statements	1:M	1:M (many words will be different)	Fewer
3	Words	1:1	1:1	
4	Comprehensive Generator Statements	1:1	1:M (a few words will have the same)	More
5	Realization Groups	1:1	1:M (a few words will have the same)	Fewer
6	Realization Group Parent Definitions	1:1	1:M (more words will have the same)	More
7	Grammar Groups	1:1	1:M (more words will have the same)	
8	Phrase	M:1		Many (esp. by Length)
9	Paragraph, Figure Caption or Paragraph Label	M:1		
10	Page	M:1		
11	Subsection	M:1		
12	Section	M:1		

Table 18.2: Thematic Nouns in the Top 300 of *Materia Medica*

Rank	Word	#	Category	Spatial Type	Temporal Type	Agent	Repeatable	Mensural	Collective	Countability	Possessor	Possessable	Inherently Possessed
20	drink	767	Alimentary, Medicinal	Independently Locatable	Elements	√				1:M		v	
21	leaves	761	Flora	Parented but Separable	Elements				√	1:M	√	√	√
33	wine	530	Alimentary	Independently Locatable	Elements	√	√	√	√	1:M		√	
34	water	524	Liquid, Balneological, Flora	Independently Locatable	Elements	√	√	√	√	1:M	√	√	
37	root	487	Flora	Parented but Separable	Elements				√	1:M	√	√	
40	honey	430	Alimentary, Medicinal	Independently Locatable	Elements	√	√	√	√	1:M		√	
48	seed	353	Flora	Parented but Separable	Elements				√	1:M	√	√	
56	decoction	298	Spagyrics	Independently Locatable	Products	√				1:M		√	
58	juice	284	Alimentary, Medicinal	Independently Locatable	Elements				√	1:M		√	
58	vinegar	284	Alimentary, Medicinal	Independently Locatable	Elements	√	√	√	√	1:M		√	
64	oil	251	Alimentary, Medicinal	Independently Locatable	Elements	√	√	√	√	1:M		√	
69	stomach	246	Anatomical	Parented	Targets					1:1		√	√
72	Romans	239	Location - Place of Origin	Independently Locatable, Origin Implied	Fixed				√	1:M	√		
76	astringent	227	Medicinal	Independently Locatable	Products	√	√		√	1:M		√	
76	colour	227	Color	Parented	Changeable Properties					1:M		√	
78	ulcers	217	Pathology	Parented	Targets				√	1:M		√	
83	stalk	205	Flora	Parented but Separable	Elements				√	1:M	√	√	
84	places	204	Location - Place	Inherently Located	Fixed					1:M	√	√	√
87	flowers	199	Flora	Parented but Separable	Elements				√	1:M		√	
92	inflammation	178	Pathology	Independently Locatable	Targets				√	1:M		√	
92	jar	178	Spagyrics	Independently Locatable	Products	√				1:M	√	√	
94	bowels	176	Anatomical	Parented but Separable	Targets					1:1		√	√
103	herb	166	Flora	Independently Locatable	Elements	√	√		√	1:M		√	
105	smell	164	Sensory	Parented	Changeable Properties					1:1		√	√
106	taste	163	Sensory	Parented	Changeable Properties					1:M		√	
112	discharges	161	Pathology	Independently Locatable	Targets					1:M		√	
119	eyes	149	Anatomical	Parented but Separable	Targets				√	1:2		√	√
130	blood	135	Liquid, Anatomical, Medicinal	Parented but not Locatable	Targets				√	1:1		√	√
134	strength	130	Mensural	Parented but not Locatable	Targets					1:M		√	√
135	head	127	Anatomical	Parented but Separable	Targets					1:1		√	√
137	intestines	126	Anatomical	Parented but Separable	Targets				√	1:1		√	
137	roots	126	Flora	Parented but Separable	Elements				√	1:M	√	√	
139	medicines	125	Medicinal	Attachable	Targets	√			√	1:M	√	√	
141	flower	124	Flora	Parented but Separable	Elements				√	1:M	√	√	
151	branches	117	Flora, Composition	Parented but Separable	Elements	√	√		√	1:M		√	√
154	salt	116	Alimentary, Medicinal, Spagyrics, Mineral	Independently Locatable	Elements	√	√	√	√	1:M		√	
156	tree	115	Flora	Independently Locatable	Elements				√	1:M	v	√	
163	Egyptians	109	Location - Place of Origin	Independently Locatable, Origin Implied	Fixed				√	1:M	v		
165	liquid	107	Liquid	Independently Locatable	Elements	√			√	1:M		√	

165	disorders	107	Pathology	Attachable	Targets	√			√	1:M		√	
168	cures	106	Medicinal	Attachable	Targets	√			√	1:M		√	
168	days	106	Temporal	Not Locatable	Time					1:M			
170	milk	104	Alimentary, Fauna	Independently Locatable	Elements	√	√	√	√	1:M		√	
175	Sun	99	Cosmological	Restricted Locatability	Fixed	√	√			1	√		
180	stalks	96	Flora	Parented but Separable	Elements				√	1:M		√	
182	stones	95	Mineral	Independently Locatable	Elements	√			√	1:M	√	√	
183	mouth	92	Anatomical	Parented	Targets					1:1		√	√
185	ears	89	Anatomical	Parented but Separable	Targets				√	1:2		√	√
185	shrub	89	Flora	Independently Locatable	Elements				√	1:M	√	√	
189	urine	88	Pathology	Parented but Separable	Elements				√	1:M		√	
190	skin	87	Medicinal	Parented	Targets					1:1		√	√
191	kind	86	Composition	Parented but not Locatable	Changeable Properties					1:M		√	√
193	hair	85	Anatomical	Parented but Separable	Targets					1:M		√	√
193	womb	85	Anatomical	Parented	Targets					1:1		√	√
200	time	84	Temporal	Not Locatable	Time				√	1:M		√	
204	dysentery	83	Pathology	Parented	Targets				√	1:M		√	
208	wounds	81	Pathology	Parented	Targets				√	1:M		√	
210	place	80	Location - Place	Inherently Located	Fixed					1:M	√	√	√
210	jars	80	Spagyrics	Independently Locatable	Products	√				1:M	√	√	
213	eye	79	Anatomical	Parented but Separable	Targets				√	1:2		√	√
220	sea	77	Location - Place	Inherently Located	Fixed				√	1:M	√	√	
227	snakes	74	Fauna	Independently Locatable	Elements				√	1:M	√	√	
229	bites	72	Fauna, Medicinal, Pathology	Restricted Locatability	Targets				√	1:M		√	
232	grains	71	Mensural	Independently Locatable	Fixed					1:M		√	
232	coughs	71	Pathology	Parented	Targets				√	1:M		√	
232	bark	71	Flora	Parented but Separable	Elements				√	1:M		√	√
232	bladder	71	Anatomical	Parented	Targets				√	1:1		√	√
232	poultice	71	Medicinal	Independently Locatable	Products	√			√	1:M		√	
242	urination	70	Medicinal	Independently Locatable	Targets				√	1:M		√	
246	meal	68	Alimentary	Independently Locatable	Elements				√	1:M		√	
246	rosaceum	68	Pathology	Parented	Targets				√	1:M		√	
246	seeds	68	Flora	Parented but Separable	Elements					1:M	√	√	
253	teaspoonfuls	67	Mensural	Parented	Fixed but Changeable					1:M		√	√
256	boil	66	Pathology, Spagyrics	Parented	Targets				√	1:M		√	
256	Magi	66	Occult, Personal - Name	Independently Locatable, Origin Implied	Fixed				√	1:M	√		
256	ointment	66	Medicinal	Independently Locatable	Products	√			√	1:M		√	
262	sores	65	Pathology	Parented	Targets				√	1:M		√	
268	abortifacient	63	Medicinal	Independently Locatable	Products	√	√		√	1:M		√	
268	Africans	63	Location - Place of Origin	Independently Locatable, Origin Implied	Fixed				√	1:M	√		
274	wax	62	Material	Independently Locatable	Elements				√	1:M		√	
274	women	62	Personal	Inherently Located	Targets	√			√	1:M		√	
274	spleen	62	Anatomical	Parented	Targets				√	1:1		√	√
274	polenta	62	Alimentary	Independently Locatable	Elements					1:M		√	
274	purges	62	Spagyrics, Medicinal, Occult	Independently Locatable	Action/Process	√	√			1:M		√	
274	brass	62	Mineral	Independently Locatable	Elements	√	√	√		1:M		√	
282	feet	61	Anatomical, Mensural	Parented but Separable	Targets				√	1:2		√	v
282	myrrh	61	Medicinal	Independently Locatable	Elements	√	√	√	√	1:M		√	
282	diuretic	61	Medicinal	Independently Locatable	Products	√	√		√	1:M		√	
282	fire	61	Material	Independently Locatable	Elements	√	√		√	1:M	√	√	
282	centimetres	61	Mensural	Inherently Located	Fixed					1:M		√	
282	pains	61	Medicinal	Parented	Targets					1:M		√	
291	creatures	60	Fauna	Independently Locatable	Elements					1:M		√	

295	flesh	59	Anatomical	Parented but Separable	Targets				√	1:1		√	
295	linen	59	Clothing	Inherently Located	Non-Creatable Intermediaries					1:M		√	
297	earth	58	Cosmological, Mineral	Restricted Locatability	Fixed	√	√			1	√		
297	burns	58	Spagyrics, Balneological, Pathological	Parented	Targets					1:M		√	
303	stone	57	Mineral	Independently Locatable	Elements	√			√	1:M	√	√	
307	sciatica	56	Pathology	Parented	Targets				√	1:M		√	
308	ointments	55	Medicinal	Independently Locatable	Products				√	1:M		√	
308	fluids	55	Liquid	Independently Locatable	Elements	√			√	1:M		√	
311	pitch	54	Material	Independently Locatable	Elements	√	√	√	√	1:M		√	
314	ground	53	Spagyrics, Mineral	Fixed Location	Fixed					1:M		√	

Table 18.3: Herbal-Positive Noun Candidates among the Top 300 Voynich Words

			Section Affinity						
Rank	**Word**	**#**	**0**	**1**	**2**	**3**	**4**	**5**	**6**
	o[fptk]								
49	oty	114	-0.00539	0.14335	0.00816	-0.00691	-0.05807	-0.07998	-0.00117
57	oky	102	0.00432	0.22797	-0.01544	-0.05311	0.01098	-0.16175	-0.01297
59	qokol	99	-0.00539	0.04024	-0.06445	0.08029	0.13523	-0.15326	-0.03266
67	qoty	87	-0.00539	0.06002	-0.07804	0.15401	-0.06669	-0.05986	-0.00404
67	otol	87	-0.00539	0.11067	0.03864	-0.03979	0.00307	-0.12709	0.01988
76	okol	79	0.00666	0.02900	0.04410	-0.08294	0.19837	-0.16982	-0.02537
99	ykeey	58	-0.00539	0.00370	0.00414	-0.06266	0.14997	-0.06159	-0.02818
122	otam	47	-0.00539	0.00157	-0.00614	-0.13677	-0.04542	0.08345	0.10870
122	qotol	47	-0.00539	0.15051	-0.09125	0.01217	0.01841	-0.08677	0.00232
128	ykaiin	45	0.01683	0.05925	-0.02364	-0.13488	-0.06669	-0.12270	0.27182
135	otor	43	-0.00539	0.15824	0.02384	-0.08841	-0.04397	-0.07371	0.02940
140	ytaiin	42	-0.00539	0.05254	-0.11253	-0.13281	-0.06669	-0.04570	0.31058
148	oteol	39	0.01961	0.05370	0.06247	-0.10432	0.08331	-0.05326	-0.06151
160	ceoky	37	-0.00539	0.28265	0.09800	-0.17932	0.03857	-0.19931	-0.03519
163	ykar	36	-0.00539	0.13613	0.04964	-0.12527	-0.03967	-0.14312	0.12768
165	ceoty	35	0.02239	0.23148	0.02636	-0.15155	-0.03891	-0.08381	-0.00595
165	qokor	35	-0.00539	0.03703	-0.05697	0.01512	0.01664	0.02730	-0.03373
165	okor	35	-0.00539	0.16084	-0.02681	-0.12218	0.19045	-0.19254	-0.00437
197	qotor	29	-0.00539	0.35887	-0.11253	-0.14484	-0.06669	-0.03688	0.00746
205	otceol	28	0.02909	0.53128	-0.07804	-0.17932	0.00227	-0.27826	-0.02703
231	yty	24	-0.00539	0.37036	0.05414	-0.13766	-0.02503	-0.23659	-0.01984
243	ytedy	23	-0.00539	0.22544	-0.11253	0.16850	-0.06669	-0.23478	0.02545
254	ykedy	22	-0.00539	0.22544	-0.11253	0.12502	-0.06669	-0.14782	-0.01803
254	okam	22	-0.00539	0.31239	-0.06905	-0.17932	-0.06669	0.02609	-0.01803
279	yky	20	-0.00539	0.30370	0.08747	-0.17932	-0.06669	-0.17826	0.03849
279	okceor	20	-0.00539	0.40370	0.03747	-0.17932	-0.06669	-0.17826	-0.01151
300	ytal	18	-0.00539	0.07212	0.20326	-0.02143	-0.06669	-0.27826	0.09638
300	qokceol	18	-0.00539	0.48148	-0.11253	-0.17932	-0.01114	-0.11159	-0.06151
300	otceor	18	-0.00539	0.53703	-0.05697	-0.17932	-0.01114	-0.22270	-0.06151
	o[dlrsmg]								
6	ceol	388	0.01238	0.29761	-0.04907	-0.14379	0.04498	-0.12597	-0.03613
7	or	366	0.00261	0.04503	-0.05919	-0.00599	0.02397	-0.10226	0.09582
21	ceor	209	0.00850	0.43055	-0.07549	-0.17469	0.03979	-0.19029	-0.03836
25	cseol	186	0.01048	0.29629	-0.03316	-0.07879	-0.00849	-0.15127	-0.03506
49	dol	114	-0.00539	0.11395	-0.06979	0.11128	0.10425	-0.20988	-0.04442
60	cseor	97	-0.00539	0.38737	-0.06151	-0.14871	-0.01567	-0.18642	0.03033
62	ceeor	95	-0.00539	0.10166	-0.00028	-0.05687	0.16800	-0.15581	-0.05131
64	ceody	92	-0.00539	0.20370	-0.03644	-0.16845	0.04200	-0.02826	-0.00716
82	dor	69	0.00812	0.28478	-0.08550	-0.07121	0.12250	-0.21069	-0.04800
96	cteol	59	0.01128	0.53703	-0.09586	-0.14599	-0.00003	-0.24492	-0.06151
96	odaiin	59	0.01128	0.10370	-0.01253	-0.16266	-0.00003	-0.01159	0.07182
101	sor	56	-0.00539	0.00194	-0.04235	0.20664	0.03857	-0.15545	-0.04397
104	cseody	55	0.04915	0.23097	-0.07616	-0.16114	-0.01215	-0.06007	0.02940
115	ody	49	-0.00539	0.15051	0.03641	-0.11549	0.01841	-0.19315	0.10870
118	tol	48	-0.00539	0.08370	0.02747	0.04068	-0.00669	-0.15826	0.01849
131	ceodaiin	44	0.01734	0.20370	-0.06707	-0.15660	0.04694	-0.00553	-0.03878
131	cteor	44	-0.00539	0.59259	-0.09030	-0.13488	-0.04447	-0.25603	-0.06151
156	qodaiin	38	-0.00539	0.08465	-0.11253	-0.15551	-0.01907	0.10270	0.10516
160	kol	37	0.02093	0.28265	-0.03358	-0.12669	0.09120	-0.17299	-0.06151
165	ceos	35	-0.00539	0.04656	0.03033	-0.17932	0.16188	0.00746	-0.06151
175	ceeos	33	-0.00539	0.02723	0.06394	-0.17932	0.10978	0.01586	-0.03210
205	os	28	-0.00539	0.04853	0.02540	-0.14484	0.07124	-0.10584	0.11090
216	dceor	26	-0.00539	0.58831	-0.03560	-0.14086	-0.06669	-0.27826	-0.06151
222	dceol	25	-0.00539	0.39601	0.04132	-0.10240	-0.06669	-0.23979	-0.02305
231	tor	24	-0.00539	0.24536	-0.07086	-0.01266	0.01664	-0.19492	0.02182
231	kor	24	0.06868	0.25925	-0.07549	-0.14229	0.15553	-0.24122	-0.02447
243	om	23	-0.00539	0.00805	0.01791	-0.17932	0.06374	0.02609	0.06892
254	cseodaiin	22	-0.00539	0.38552	-0.06707	-0.17932	-0.06669	-0.09644	0.02940
267	kceol	21	-0.00539	0.56084	-0.11253	-0.13170	-0.06669	-0.23064	-0.01389
267	keody	21	-0.00539	0.15824	0.11475	-0.17932	0.02422	-0.14189	0.02940
279	kceor	20	-0.00539	0.60370	-0.11253	-0.17932	-0.01669	-0.22826	-0.06151
279	ckeol	20	-0.00539	0.43097	-0.02162	-0.17932	0.11513	-0.27826	-0.06151
279	ydaiin	20	-0.00539	0.22751	0.07795	-0.13170	0.02855	-0.13540	-0.06151
279	doiin	20	-0.00539	0.20370	-0.06253	-0.07932	0.13331	-0.12826	-0.06151
293	odain	19	-0.00539	0.01949	-0.05989	-0.12669	0.03857	0.14280	-0.00888

300	cteody	18	-0.00539	0.42592	-0.00141	-0.17932	0.09997	-0.27826	-0.06151
300	tceor	18	-0.00539	0.49317	-0.05989	-0.12669	-0.01406	-0.22562	-0.06151
300	keol	18	-0.00539	0.20370	-0.01253	-0.07932	-0.06669	0.02174	-0.06151
300	soiin	18	-0.00539	0.05370	-0.11253	-0.02932	0.18331	-0.02826	-0.06151
	o								
46	cseo	128	0.00988	0.44416	-0.02092	-0.17932	-0.00562	-0.19429	-0.05388
73	o	81	0.00696	0.02469	0.23315	-0.11759	0.00738	-0.11776	-0.03682
86	ceo	65	-0.00539	0.33605	0.01983	-0.17932	0.00684	-0.11649	-0.06151
128	cseeo	45	0.01589	0.02285	-0.00614	-0.15805	0.10352	0.04089	-0.01896
180	qo	32	-0.00539	0.08301	-0.11253	0.13102	-0.03221	-0.00239	-0.06151
231	oaiin	24	-0.00539	0.12677	0.00286	-0.17932	0.04869	0.02944	-0.02305
243	qoaiin	23	-0.00539	0.05152	-0.06905	-0.13584	0.06374	0.06957	0.02545
	[yo][fptk]← y-Base								
83	qokcey	68	-0.00539	0.32689	-0.09803	-0.07787	-0.05220	-0.06086	-0.03252
94	qotcey	61	-0.00539	0.52909	-0.11253	-0.13170	-0.05082	-0.18302	-0.04564
104	qokcedy	55	-0.00539	0.00727	-0.07681	0.08853	-0.06669	-0.02826	0.08135
126	otcey	46	-0.00539	0.34953	0.03331	-0.09599	-0.06669	-0.19492	-0.01984
148	okcey	39	-0.00539	0.19088	0.16953	-0.12804	-0.04105	-0.17569	-0.01023
175	okceey	33	0.05522	0.09764	-0.08222	-0.05811	-0.03639	0.05508	-0.03121
190	otceey	30	-0.00539	0.05854	-0.01575	-0.05029	-0.06669	0.04433	0.03526
212	otcedy	27	-0.00539	0.03703	0.03562	-0.10525	-0.06669	0.01804	0.08664
254	ykcey	22	-0.00539	0.56733	-0.06707	-0.17932	-0.02124	-0.27826	-0.01606
267	qotceey	21	-0.00539	0.17738	-0.11253	-0.07406	-0.06669	0.09017	-0.00888
267	okcedy	21	-0.00539	0.03703	0.03033	-0.03647	-0.06669	-0.08778	0.12897
293	ytcey	19	-0.00539	0.38791	-0.00726	-0.17932	-0.01406	-0.22562	0.04375
	o ← y-Base								
254	ceockey	22	-0.00539	0.00805	0.10487	-0.17932	0.15070	-0.01739	-0.06151
300	qockey	18	-0.00539	0.01949	0.04537	-0.12669	0.30173	-0.17299	-0.06151

Table 18.4: Thematic Nouns in the Top 300 of the Spagyrics Reference

Rank	Word	#	Category	Spatial Type	Temporal Type	Agent	Repeatable	Mensural	Collective	Countability	Possessor	Possessable	Inherently Possessed
19	water	115	Liquid, Balneological, Flora	Independently Locatable	Elements	√	√	√	√	1:M	√	√	
21	plants	105	Flora	Independently Locatable	Elements	√			√	1:M	√	√	
38	plant	62	Flora	Independently Locatable	Elements	√			√	1:M		√	
50	vegetable	45	Flora	Independently Locatable	Elements				√	1:M	√	√	
54	elixir	42	Spagyrics	Independently Locatable	Products	√				1:M	√	√	
55	salt	41	Mineral	Independently Locatable	Elements	√	√	√	√	1:M	√	√	
58	distillate	40	Spagyrics	Independently Locatable	Products	√				1:M		√	
60	circulatum	39	Spagyrics	Independently Locatable	Non-Creatable Intermediaries	√				1:M		√	
64	preparation	37	Spagyrics	Locatable Process	Action/Process	√				1:M		√	
64	alcohol	37	Liquid	Independently Locatable	Elements	√	√	√	√	1:M		√	
68	spirit	36	Occult	Attachable	Fixed	√			√	1:M	√	√	√
71	distillation	35	Spagyrics	Locatable Process	Action/Process	√	√			1:M		√	
75	days	33	Temporal	Not Locatable	Time					1:M			
80	flask	32	Spagyrics	Independently Locatable	Products	√				1:M	√	√	
80	spirits	32	Occult	Attachable	Fixed	√			√	1:M	√	√	√
86	heat	30	Temperature	Inherently Located	Elements	√	√		√	1:M		√	
86	feces	30	Spagyrics	Independently Locatable	Creatable Intermediaries	√			√	1:M		√	√
93	stone	28	Mineral	Independently Locatable	Elements	√			√	1:M	√	√	
96	parts	27	Composition	Parented	Changeable Properties					1:M	√	√	√
96	fire	27	Material	Independently Locatable	Elements	√	√		√	1:M	√	√	
100	sulfur	26	Material	Independently Locatable	Elements	√	√	√	√	1:M		√	
100	ways	26	Composition	Parented but not Locatable	Action/Process					1:M		√	√
104	kingdom	25	Occult	Restricted Locatability	Fixed					1:M	√	√	
104	body	25	Anatomical	Independently Locatable	Targets				√	1:1	√	√	√
109	residue	24	Spagyrics	Independently Locatable	Products	√				1:M	√	√	
114	oils	23	Liquid	Independently Locatable	Elements	√	√	√	√	1:M		√	
114	circulation	23	Spagyrics	Parented Process	Action/Process	√	√		√	1:1		√	
119	glass	22	Material	Independently Locatable	Elements				√	1:M	√	√	
119	earth	22	Cosmological, Mineral	Restricted Locatability	Fixed	√	√			1	√		
119	wine	22	Liquid	Independently Locatable	Elements	√	√	√	√	1:M		√	
119	time	22	Temporal	Not Locatable	Time				√	1:M		√	
134	extraction	20	Spagyrics	Locatable Process	Action/Process	√	√			1:M		√	
142	child	19	Personal	Inherently Located	Targets				√	1:M		√	
142	Nature	19	Occult	Not Locatable	Fixed	√	√			1	√		

142	tinctures	19	Spagyrics	Independently Locatable	Products	√				1:M		√	
147	process	18	Spagyrics	Locatable Process	Action/Process	√				1:M		√	
147	Urbigerus	18	Personal - Name	Inherently Located	Fixed					1	√		
147	soul	18	Occult	Parented but not Locatable	Fixed	√			√	1:M		√	√
147	Clyssus	18	Personal - Name	Inherently Located	Fixed					1	√		
154		17	Balneological	Inherently Located	Creatable Intermediaries	√	√			1:M		√	
154	air	17	Material	Restricted Locatability	Elements	√	√		√	1			
154	essence	17	Spagyrics	Parented	Elements	√				1:1		√	√
154	Mercury	17	Mineral, Cosmological	Restricted Locatability	Fixed	√	√		√	1	√		
166	quantity	16	Mensural	Parented	Fixed but Changeable					1:M		√	√
166	essences	16	Spagyrics	Parented	Elements	√			√	1:1		√	√
176	god	15	Occult	Independently Locatable	Fixed	√				1:M	√	√	
176	elixirs	15	Spagyrics	Independently Locatable	Products	√				1:M		√	
176	herbs	15	Flora	Independently Locatable	Elements	√	√		√	1:M		√	
176	power	15	Occult	Parented but not Locatable	Fixed	√				1:M		√	√
176	separation	15	Spagyrics	Locatable Process	Action/Process	√	√			1:M		√	
196	principles	14	Thought	Not Locatable	Fixed				√	1:M		√	
196	ash	14	Material	Independently Locatable	Elements	√	√	√	√	1:M		√	
196	elements	14	Material	Independently Locatable	Elements	√			√	1:M		√	
196	container	14	Spagyrics	Independently Locatable	Products	√				1:M		√	
211	fermentation	13	Spagyrics	Locatable Process	Action/Process	√	√			1:M		√	
211	resin	13	Spagyrics	Independently Locatable	Products	√				1:M	√	√	
211	hours	13	Temporal	Not Locatable	Time					1:M			
211	month	13	Temporal	Not Locatable	Time					1:M		√	√
226	text	12	Thought	Parented	Fixed					1:M	√	√	
226	world	12	Cosmological	Fixed Location	Fixed					1	√		
226	seed	12	Flora	Parented but Separable	Elements				√	1:M	√	√	
226	Sun	12	Cosmological	Restricted Locatability	Fixed	√	√			1	√		
226	mixture	12	Spagyrics	Independently Locatable	Products	√				1:M	√	√	
226	color	12	Color	Parented	Changeable Properties					1:M		√	√
246	digestion	11	Alimentary	Parented Process	Action/Process				√	1:1		√	
246	chapter	11	Thought	Parented	Fixed					1:M		√	
246	kind	11	Composition	Parented but not Locatable	Changeable Properties					1:M		√	√
246	substance	11	Composition	Parented	Changeable Properties					1:M		√	√
246	substances	11	Composition	Parented	Changeable Properties					1:M		√	√
246	solution	11	Spagyrics, Labor	Independently Locatable	Products	√				1:M		√	√
246	maceration	11	Spagyrics	Locatable Process	Action/Process	√	√			1:M		√	
246	tincture	11	Spagyrics	Independently Locatable	Products	√				1:M		√	
246	man	11	Personal	Inherently Located	Targets	√			√	1:M	√	√	
246	Paracelsus	11	Personal - Name	Inherently Located	Fixed					1	√		
246	species	11	Composition	Parented but not Locatable	Fixed					1:M	√	√	√
246	temperature	11	Temperature	Inherently Located	Elements				√	1:1		√	√
270	temperatures	10	Temperature	Inherently Located	Elements				√	1:1		√	√
270	rotation	10	Location - Directional	Inherently Located	Action/Process	√	√			1:M		√	
270	place	10	Location - Place	Inherently Located	Fixed					1:M	√	√	√
270	method	10	Composition	Parented but not Locatable	Action/Process					1:M	√	√	√
270	experience	10	Thought	Attachable	Time					1:M		√	√
270	diseases	10	Pathology	Attachable	Targets	√			√	1:M		√	
298	blood	9	Liquid, Anatomical, Medicinal	Parented but not Locatable	Targets				√	1:1		√	√
298	balneum	9	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	
298	course	9	Location - Directional	Inherently Located	Action/Process					1:M		√	√
298	moisture	9	Liquid	Parented	Changeable Properties					1:M		√	
298	jar	9	Spagyrics	Independently Locatable	Products	√				1:M	√	√	
298	remains	9	Composition, Spatio-	Independently Locatable	Creatable Intermediaries					1:M		√	

			Temporal										
298	powers	9	Occult	Parented but not Locatable	Fixed	√			√	1:M		√	√
298	works	9	Labor	Parented	Action/Process					1:M		√	
326	results	8	Labor	Parented	Targets					1:M		√	√
326	sense	8	Sensory	Parented	Changeable Properties					1:M		√	
326	operation	8	Medicinal	Independently Locatable	Action/Process	√				1:M		√	
326	salarmeniac	8	Spagyrics	Independently Locatable	Products	√	√			1:M		√	
326	furnace	8	Balneological	Inherently Located	Creatable Intermediaries					1:M	√	√	
326	flowers	8	Flora	Parented but Separable	Elements				√	1:M		√	
326	honey	8	Material, Medicinal, Alimentary	Independently Locatable	Elements	√	√	√	√	1:M		√	
326	menstruum	8	Medicinal	Independently Locatable	Targets				√	1:M		√	
326	figure	8	Composition	Parented	Changeable Properties				√	1:1	√	√	√
326	methods	8	Composition	Parented but not Locatable	Action/Process	√				1:M	√	√	√
326	circulata	8	Spagyrics	Independently Locatable	Non-Creatable Intermediaries	√				1:M		√	
326	instance	8	Spatio-Temporal	Independently Locatable	Time					1:M		√	√
326	manner	8	Composition	Parented but not Locatable	Action/Process	√			√	1:M		√	√
326	art	8	Art	Independently Locatable	Non-Creatable Intermediaries					1:M		√	
326	corpus	8	Anatomical, Knowledge, Composition	Independently Locatable	Targets					1:1		√	√
326	distillations	8	Spagyrics	Locatable Process	Action/Process	√	√			1:M		√	
326	condenser	8	Spagyrics, Balneological	Independently Locatable	Non-Creatable Intermediaries	√				1:M		√	
326	amount	8	Mensural	Parented	Fixed but Changeable					1:M		√	√
326	balsam	8	Material	Independently Locatable	Elements	√	√	√	√	1:M		√	
326	addition	8	Mensural	Parented Process	Action/Process	√				1:M		√	

Table 18.5: Noun Candidates with Positive Pharmacological Affinity among the Top 300 Voynich Words

			Section Affinity						
Rank	Word	Count	0	1	2	3	4	5	6
11	qokeey	305	-0.00539	-0.22767	-0.07331	0.11153	0.00193	0.23482	-0.04190
26	okeey	176	-0.00539	-0.21107	0.01816	-0.07137	0.06967	0.26152	-0.06151
52	qokey	108	-0.00539	-0.21373	-0.07583	0.22435	0.03422	0.08872	-0.05234
57	oky	102	0.00432	0.22797	-0.01544	-0.05311	0.01098	-0.16175	-0.01297
59	qokol	99	-0.00539	0.04024	-0.06445	0.08029	0.13523	-0.15326	-0.03266
67	otol	87	-0.00539	0.11067	0.03864	-0.03979	0.00307	-0.12709	0.01988
76	okol	79	0.00666	0.02900	0.04410	-0.08294	0.19837	-0.16982	-0.02537
89	okey	64	-0.00539	-0.12443	0.09060	0.00818	0.12081	-0.02826	-0.06151
89	okeol	64	-0.00539	-0.15784	0.04132	-0.13317	0.39485	-0.07826	-0.06151
99	ykeey	58	-0.00539	0.00370	0.00414	-0.06266	0.14997	-0.06159	-0.02818
109	qokeol	51	-0.00539	-0.14536	-0.03705	-0.16045	0.40501	-0.03297	-0.02377
122	qotol	47	-0.00539	0.15051	-0.09125	0.01217	0.01841	-0.08677	0.00232
148	oteol	39	0.01961	0.05370	0.06247	-0.10432	0.08331	-0.05326	-0.06151
148	oteody	39	-0.00539	-0.19374	0.42594	-0.17932	0.03587	-0.07313	-0.01023
148	okeody	39	-0.00539	-0.06553	0.29773	-0.17932	0.11279	-0.15005	-0.01023
160	ceoky	37	-0.00539	0.28265	0.09800	-0.17932	0.03857	-0.19931	-0.03519
165	ceos	35	-0.00539	0.04656	0.03033	-0.17932	0.16188	0.00746	-0.06151
165	qokor	35	-0.00539	0.03703	-0.05697	0.01512	0.01664	0.02730	-0.03373
165	okor	35	-0.00539	0.16084	-0.02681	-0.12218	0.19045	-0.19254	-0.00437
180	qokeody	32	-0.00539	-0.10880	0.07497	-0.17932	0.37081	-0.15326	0.00099
197	oteos	29	0.02909	-0.19285	0.64609	-0.17932	0.00227	-0.24377	-0.06151
205	otceol	28	0.02909	0.53128	-0.07804	-0.17932	0.00227	-0.27826	-0.02703
216	qokeeey	26	-0.00539	-0.21938	-0.11253	-0.02548	0.01023	0.33713	0.01541
216	okeeey	26	-0.00539	-0.14246	-0.03560	-0.17932	0.08715	0.26021	0.01541
254	qokeor	22	-0.00539	-0.15994	-0.11253	0.09340	0.34240	-0.09644	-0.06151
267	okeor	21	-0.00539	-0.02357	0.20566	-0.17932	0.20603	-0.14189	-0.06151
267	okody	21	-0.00539	-0.19104	0.25590	-0.17932	0.09120	-0.17299	0.20165
300	okeeol	18	-0.00539	-0.18519	0.10970	-0.12377	0.32220	-0.05603	-0.06151
	o[dlrsmg]								
2	ol	536	-0.00357	-0.12872	-0.06517	0.24326	0.00435	-0.07971	0.02956
6	ceol	388	0.01238	0.29761	-0.04907	-0.14379	0.04498	-0.12597	-0.03613
7	or	366	0.00261	0.04503	-0.05919	-0.00599	0.02397	-0.10226	0.09582
21	ceor	209	0.00850	0.43055	-0.07549	-0.17469	0.03979	-0.19029	-0.03836
28	ceeol	165	-0.00539	-0.09512	-0.02969	-0.01956	0.16999	0.02944	-0.04968
49	dol	114	-0.00539	0.11395	-0.06979	0.11128	0.10425	-0.20988	-0.04442
52	cseeol	108	-0.00539	-0.13559	0.01247	0.07961	0.10295	-0.03718	-0.01687
62	ceeor	95	-0.00539	0.10166	-0.00028	-0.05687	0.16800	-0.15581	-0.05131
64	ceody	92	-0.00539	0.20370	-0.03644	-0.16845	0.04200	-0.02826	-0.00716
70	ceeody	86	-0.00539	-0.05767	0.02384	-0.17932	0.12649	0.09674	-0.00469
79	sol	72	-0.00539	-0.10186	-0.05697	0.37623	0.04442	-0.20881	-0.04762
82	dor	69	0.00812	0.28478	-0.08550	-0.07121	0.12250	-0.21069	-0.04800
101	sor	56	-0.00539	0.00194	-0.04235	0.20664	0.03857	-0.15545	-0.04397
107	olaiin	52	-0.00539	-0.10762	0.01955	-0.06612	0.14085	-0.01410	0.03283
112	cseeody	50	-0.00539	-0.01630	0.02747	-0.17932	0.11331	0.02174	0.03849

115	ody	49	-0.00539	0.15051	0.03641	-0.11549	0.01841	-0.19315	0.10870
118	cseeor	48	-0.00539	-0.02179	-0.05370	0.03636	0.16860	-0.06257	-0.06151
131	ceodaiin	44	0.01734	0.20370	-0.06707	-0.15660	0.04694	-0.00553	-0.03878
160	oraiin	37	-0.00539	-0.13841	-0.05989	-0.12669	0.09120	0.06385	0.17533
160	kol	37	0.02093	0.28265	-0.03358	-0.12669	0.09120	-0.17299	-0.06151
175	ceeos	33	-0.00539	0.02723	0.06394	-0.17932	0.10978	0.01586	-0.03210
205	os	28	-0.00539	0.04853	0.02540	-0.14484	0.07124	-0.10584	0.11090
205	oldy	28	-0.00539	-0.04630	-0.04110	0.21353	0.14759	-0.20683	-0.06151
212	orain	27	-0.00539	-0.11112	-0.11253	0.04290	0.00738	0.20323	-0.02447
231	tor	24	-0.00539	0.24536	-0.07086	-0.01266	0.01664	-0.19492	0.02182
231	kor	24	0.06868	0.25925	-0.07549	-0.14229	0.15553	-0.24122	-0.02447
243	om	23	-0.00539	0.00805	0.01791	-0.17932	0.06374	0.02609	0.06892
267	keody	21	-0.00539	0.15824	0.11475	-0.17932	0.02422	-0.14189	0.02940
279	ckeol	20	-0.00539	0.43097	-0.02162	-0.17932	0.11513	-0.27826	-0.06151
279	ydaiin	20	-0.00539	0.22751	0.07795	-0.13170	0.02855	-0.13540	-0.06151
293	odain	19	-0.00539	0.01949	-0.05989	-0.12669	0.03857	0.14280	-0.00888
300	cteody	18	-0.00539	0.42592	-0.00141	-0.17932	0.09997	-0.27826	-0.06151
300	ols	18	-0.00539	-0.07408	-0.00141	0.04290	0.15553	-0.11159	-0.00595
	oi^{4}n								
175	oiin	33	0.02402	-0.11983	0.00512	0.02656	0.10978	0.01586	-0.06151
279	doiin	20	-0.00539	0.20370	-0.06253	-0.07932	0.13331	-0.12826	-0.06151
300	soiin	18	-0.00539	0.05370	-0.11253	-0.02932	0.18331	-0.02826	-0.06151
	o								
73	o	81	0.00696	0.02469	0.23315	-0.11759	0.00738	-0.11776	-0.03682
85	ceeo	66	-0.00539	-0.05388	0.02384	-0.17932	0.09997	0.17629	-0.06151
86	ceo	65	-0.00539	0.33605	0.01983	-0.17932	0.00684	-0.11649	-0.06151
128	cseeo	45	0.01589	0.02285	-0.00614	-0.15805	0.10352	0.04089	-0.01896
243	qokeeo	23	-0.00539	-0.20935	-0.11253	-0.13584	0.15070	0.37392	-0.06151
	o ← a-Base								
231	oaiin	24	-0.00539	0.12677	0.00286	-0.17932	0.04869	0.02944	-0.02305
243	qoaiin	23	-0.00539	0.05152	-0.06905	-0.13584	0.06374	0.06957	0.02545
	o ← y-Base								
254	ceockey	22	-0.00539	0.00805	0.10487	-0.17932	0.15070	-0.01739	-0.06151
300	qockey	18	-0.00539	0.01949	0.04537	-0.12669	0.30173	-0.17299	-0.06151
	o[dlrsmg] ← y-Base								
197	olceey	29	-0.00539	-0.15837	-0.11253	0.37240	0.03676	-0.10584	-0.02703

Table 18.6: Thematic Nouns in the Top 300 of *The Picatrix*

Rank	Word	#	Category	Spatial Type	Temporal Type	Agent	Repeatable	Mensural	Collective	Countability	Possessor	Possessable	Inherently Possessed
41	power	79	Cosmological	Parented but not Locatable	Targets				√	1:M		√	√
41	incense	79	Cosmological	Independently Locatable	Elements					1:M		√	
45	name	78	Composition	Parented but not Locatable	Elements					1:M		√	√
46	water	77	Liquid, Balneological, Flora	Independently Locatable	Elements	√	√	√	√	1:M	√	√	
50	Moon	73	Cosmological	Restricted Locatability	Fixed	√	√			1	√		
56	spirit	64	Cosmological	Attachable	Fixed	√			√	1:M	√	√	√
57	Sun	63	Cosmological	Restricted Locatability	Fixed	√	√			1	√		
58	amounts	62	Mensural	Parented	Fixed but Changeable					1:M		√	√
60	planets	60	Cosmological	Restricted Locatability	Fixed	√				1:M	√	√	
66	sacrifice	54	Cosmological	Independently Locatable	Action/Process	√	√		√	1:M		√	
68	people	53	Personal	Inherently Located	Targets	√			√	1:M	√	√	
78	colors	44	Color	Parented	Changeable Properties					1:M		√	
83	spirits	43	Cosmological	Attachable	Fixed	√			√	1:M	√	√	√
85	light	42	Cosmological	Independently Locatable	Action/Process				√	1:M		√	
87	body	40	Medicinal	Independently Locatable	Targets				√	1:M	√	√	√
90	knowledge	39	Cosmological	Parented but not Locatable	Fixed				√	1		√	
96	animals	36	Fauna	Independently Locatable	Elements					1:M	√	√	
99	material	35	Composition	Parented but not Locatable	Elements					1:M	√	√	√
103	planet	34	Cosmological	Restricted Locatability	Fixed	√				1:M	√	√	
105	time	33	Temporal	Not Locatable	Time				√	1:M		√	
108	day	32	Temporal	Not Locatable	Time					1:M			
108	Saturn	32	Cosmological	Restricted Locatability	Fixed	√	√			1	√		
115	plants	31	Flora	Independently Locatable	Elements	√			√	1:M	√	√	
115	Mercury	31	Cosmological	Restricted Locatability	Fixed	√	√			1	√		
115	desire	31	Attitude	Parented but not Locatable	Targets					1:M		√	√
120	brazier	30	Spagyrics, Balneological, Cosmological	Independently Locatable	Non-Creatable Intermediaries	√				1:M		√	
120	Nature	30	Cosmological	Not Locatable	Fixed	√	√			1	√	√	
124	fire	29	Spagyrics, Balneological, Cosmological	Independently Locatable	Elements	√	√		√	1:M	√	√	

124	blood	29	Liquid, Anatomical, Medicinal	Parented but not Locatable	Targets				√	1:1		√	√
131	love	28	Aphrodisiacs	Parented but not Locatable	Targets					1:M		√	
131	Mars	28	Cosmological	Restricted Locatability	Fixed	√	√			1	√		
139	request	26	Interrogative	Locatable Communication	Action/Process					1:M		√	√
139	locations	26	Location	Inherently Located	Fixed					1:M		√	
139	book	26	Thought	Independently Locatable	Fixed					1:M	√	√	√
143	tastes	25	Sensory	Parented	Changeable Properties					1:M		√	
147	world	24	Cosmological	Fixed Location	Fixed					1	√		
147	king	24	Occult, Political	Independently Locatable	Fixed	√				1:M	√	√	
147	head	24	Anatomical	Parented but Separable	Targets				√	1:1		√	√
153	charms	23	Cosmological	Attachable	Targets	√			√	1:M		√	
153	needs	23	Attitude, Composition	Parented but not Locatable	Targets					1:M		√	√
153	Venus	23	Cosmological	Restricted Locatability	Fixed	√	√			1	√		
159	sign	22	Cosmological	Parented but not Locatable	Fixed				√	1:M	√	√	√
159	names	22	Personal - Name	Parented but not Locatable	Fixed					1:M		√	√
159	kings	22	Political	Independently Locatable	Fixed	√			√	1:M	√	√	
159	Jupiter	22	Cosmological	Restricted Locatability	Fixed	√	√			1	√	√	
159	happiness	22	Attitude	Parented but not Locatable	Targets					1:M		√	
167	birds	21	Fauna	Independently Locatable	Elements				√	1:M		√	
167	orbit	21	Cosmological	Restricted Locatability	Fixed	√				1:M		√	
167	mixture	21	Spagyrics	Independently Locatable	Products	√				1:M	√	√	
173	stones	20	Mineral	Independently Locatable	Elements	√			√	1:M	√	√	
173	things	20	Composition	Independently Locatable	Fixed				√	1:M	√	√	
173	peace	20	Attitude, Personal, Political	Attachable	Targets					1		√	
173	metals	20	Mineral	Independently Locatable	Elements	√			√	1:M		√	
173	matters	20	Composition, Utilitarian	Parented but not Locatable	Action/Process					1:M		√	√
173	evil	20	Cosmological, Medicinal	Independently Locatable	Targets				√	1:M		√	
187	glue	19	Material	Independently Locatable	Elements	√	√		√	1:M		√	
187	Allah	19	Occult	Not Locatable	Fixed	√	√			1	√		
187	trees	19	Flora	Independently Locatable	Elements				√	1:M	√	√	
187	oil	19	Spagyrics	Independently Locatable	Elements	√	√	√	√	1:M		√	
187	stone	19	Mineral	Independently Locatable	Elements	√			√	1:M	√	√	
187	times	19	Temporal, Mensural	Not Locatable	Time				√	1:M		√	
203	tree	18	Flora	Independently Locatable	Elements				√	1:M	√	√	
203	places	18	Location - Place	Inherently Located	Fixed					1:M	√	√	√
203	amount	18	Mensural	Parented	Fixed but Changeable					1:M		√	√
203	life	18	Medicinal	Parented but not Locatable	Targets					1:M		√	√
203	liver	18	Anatomical	Parented	Targets				√	1:1		√	√
203	invocation	18	Cosmological	Independently Locatable	Action/Process	√	√			1:M		√	
203	gold	18	Color	Independently Locatable	Elements					1:M		√	
203	god	18	Occult	Independently Locatable	Fixed	√				1:M	√	√	
218	ground	17	Spagyrics, Mineral	Fixed Location	Fixed					1:M		√	
218	jewels	17	Mineral	Independently Locatable	Elements	√			√	1:M		√	
218	place	17	Location - Place	Inherently Located	Fixed					1:M	√	√	√
218	prayer	17	Occult	Attachable	Action/Process	√	√			1:M		√	
232	money	16	Monetary	Independently Locatable	Targets	√	√		√	1:M		√	√
232	gods	16	Cosmological	Attachable	Fixed	√			√	1:M	√	√	
232	food	16	Alimentary	Independently Locatable	Elements				√	1:M	√	√	
244	harm	15	Occult	Parented	Targets				√	1:M		√	
244	house	15	Cosmological	Restricted Locatability	Fixed					1:M			
244	face	15	Cosmological, Anatomical	Parented	Targets				√	1:1		√	√
244	copper	15	Mineral	Independently Locatable	Elements	√	√	√	√	1:M		√	
244	mercy	15	Occult	Parented but not Locatable	Fixed					1:M		√	
244	source	15	Location - Place of Origin	Independently Locatable	Elements					1:M		√	√

244	saffron	15	Flora, Medicinal	Independently Locatable	Elements	√	√	√	√	1:M	√	√	
244	snakes	15	Fauna	Independently Locatable	Elements				√	1:M	√	√	
262	sandalwood	14	Flora, Medicinal	Independently Locatable	Elements	√	√	√	√	1:M		√	
262	words	14	Communication	Locatable Communication	Fixed					1:M		√	
262	religions	14	Occult	Restricted Locatability	Fixed					1:M	√	√	
262	wisdom	14	Occult	Parented but not Locatable	Fixed	√			√	1:M		√	
262	color	14	Color	Parented	Changeable Properties					1:M		√	√
262	dust	14	Material	Independently Locatable	Elements				√	1:M		√	
262	night	14	Cosmological, Temporal	Restricted Locatability	Time				√	1:M		√	
262	master	14	Occult	Independently Locatable	Targets	√				1:M		√	√
276	hearts	13	Anatomical	Parented but Separable	Targets				√	1:1		√	
276	animal	13	Fauna	Independently Locatable	Elements					1:M	√	√	
276	requests	13	Interrogative	Locatable Communication	Action/Process					1:M		√	√
276	women	13	Personal	Inherently Located	Targets	√			√	1:M		√	
276	signs	13	Cosmological	Parented but not Locatable	Fixed				√	1:M	√	√	√
276	person	13	Personal	Inherently Located	Targets	√			√	1:M		√	
276	rooster	13	Fauna	Independently Locatable	Elements				√	1:M	√	√	
276	qualities	13	Composition	Parented but not Locatable	Changeable Properties					1:M		√	√
276	ounces	13	Mensural	Parented	Fixed but Changeable					1:M		√	√
276	ounce	13	Mensural	Parented	Fixed but Changeable					1:M		√	√
293	taste	12	Sensory	Parented	Changeable Properties					1:M		√	
293	temple	12	Occult	Inherently Located	Fixed					1:M	√	√	
293	shape	12	Shape	Parented	Changeable Properties					1:M		√	
293	symbol	12	Communication, Occult	Parent	Fixed					1:M		√	√
293	core	12	Composition	Parented	Fixed					1:1		√	√
293	answer	12	Communication	Locatable Communication	Fixed					1:M		√	
293	aloe	12	Material	Independently Locatable	Elements	√	√	√	√	1:M		√	
293	bottle	12	Spagyrics	Independently Locatable	Products	√				1:M		√	
293	basil	12	Flora, Alimentary	Independently Locatable	Elements	√	√	√	√	1:M		√	
293	heart	12	Anatomical	Parented but Separable	Targets				√	1:1		√	√
293	incenses	12	Occult	Independently Locatable	Elements	√	√			1:M		√	
293	location	12	Location	Inherently Located	Fixed					1:M		√	√
293	gum	12	Material	Independently Locatable	Elements	√			√	1:M		√	
293	fortune	12	Occult, Monetary	Parented	Targets	√			√	1:M		√	
316	braziers	11	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	
316	amber	11	Material	Independently Locatable	Elements	√	√	√	√	1:M		√	

Table 18.7: Noun Candidates with Positive Cosmological Affinity among the Top 300 Voynich Words

			Section Affinity						
Rank	Word	Count	0	1	2	3	4	5	6
	o[fptk]								
26	okeey	176	-0.00539	-0.21107	0.01816	-0.07137	0.06967	0.26152	-0.06151
38	otar	141	-0.00539	-0.13078	0.01851	-0.00691	-0.04600	0.08726	0.08332
38	okal	141	-0.00539	-0.03574	0.05649	-0.00327	-0.03852	0.01752	0.00891
43	otal	139	-0.00539	-0.13546	0.05531	-0.03247	-0.02473	0.11335	0.02940
44	oteey	138	0.00180	-0.19558	0.12488	-0.06422	-0.03072	0.16779	-0.00396
44	okar	138	-0.00539	-0.05543	0.01156	-0.01874	-0.02290	0.01372	0.07718
49	oty	114	-0.00539	0.14335	0.00816	-0.00691	-0.05807	-0.07998	-0.00117
67	otol	87	-0.00539	0.11067	0.03864	-0.03979	0.00307	-0.12709	0.01988
76	okol	79	0.00666	0.02900	0.04410	-0.08294	0.19837	-0.16982	-0.02537
89	okey	64	-0.00539	-0.12443	0.09060	0.00818	0.12081	-0.02826	-0.06151
89	okeol	64	-0.00539	-0.15784	0.04132	-0.13317	0.39485	-0.07826	-0.06151
99	ykeey	58	-0.00539	0.00370	0.00414	-0.06266	0.14997	-0.06159	-0.02818
107	otey	52	-0.00539	-0.20858	0.22081	0.08383	-0.04915	-0.01510	-0.02642
135	otor	43	-0.00539	0.15824	0.02384	-0.08841	-0.04397	-0.07371	0.02940
148	oteol	39	0.01961	0.05370	0.06247	-0.10432	0.08331	-0.05326	-0.06151
148	oteody	39	-0.00539	-0.19374	0.42594	-0.17932	0.03587	-0.07313	-0.01023
148	okeody	39	-0.00539	-0.06553	0.29773	-0.17932	0.11279	-0.15005	-0.01023
160	ceoky	37	-0.00539	0.28265	0.09800	-0.17932	0.03857	-0.19931	-0.03519
163	ykar	36	-0.00539	0.13613	0.04964	-0.12527	-0.03967	-0.14312	0.12768
165	ceoty	35	0.02239	0.23148	0.02636	-0.15155	-0.03891	-0.08381	-0.00595
180	qokeody	32	-0.00539	-0.10880	0.07497	-0.17932	0.37081	-0.15326	0.00099
197	oteos	29	0.02909	-0.19285	0.64609	-0.17932	0.00227	-0.24377	-0.06151

222	ytar	25	-0.00539	-0.07408	0.07266	-0.14229	-0.06669	-0.01900	0.23479
222	okair	25	-0.00539	-0.06553	0.04132	0.01298	-0.02823	0.06790	-0.02305
231	yty	24	-0.00539	0.37036	0.05414	-0.13766	-0.02503	-0.23659	-0.01984
231	okaly	24	-0.00539	-0.13630	0.32747	0.02068	-0.06669	-0.11826	-0.02151
254	otody	22	-0.00539	-0.02357	0.06929	-0.13387	-0.02124	-0.14189	0.25667
254	otair	22	-0.00539	-0.29630	0.06929	-0.13387	-0.02124	0.40356	-0.01606
267	okeor	21	-0.00539	-0.02357	0.20566	-0.17932	0.20603	-0.14189	-0.06151
267	okody	21	-0.00539	-0.19104	0.25590	-0.17932	0.09120	-0.17299	0.20165
279	yky	20	-0.00539	0.30370	0.08747	-0.17932	-0.06669	-0.17826	0.03849
279	okceor	20	-0.00539	0.40370	0.03747	-0.17932	-0.06669	-0.17826	-0.01151
300	okeeol	18	-0.00539	-0.18519	0.10970	-0.12377	0.32220	-0.05603	-0.06151
300	okees	18	-0.00539	-0.18519	0.33192	-0.06821	-0.06669	-0.16714	0.16071
300	ytal	18	-0.00539	0.07212	0.20326	-0.02143	-0.06669	-0.27826	0.09638
300	qokair	18	-0.00539	-0.24075	0.10970	-0.12377	-0.01114	0.33286	-0.06151
	o[dlrsmg]								
52	cseeol	108	-0.00539	-0.13559	0.01247	0.07961	0.10295	-0.03718	-0.01687
70	ceeody	86	-0.00539	-0.05767	0.02384	-0.17932	0.12649	0.09674	-0.00469
107	olaiin	52	-0.00539	-0.10762	0.01955	-0.06612	0.14085	-0.01410	0.03283
112	cseeody	50	-0.00539	-0.01630	0.02747	-0.17932	0.11331	0.02174	0.03849
115	ody	49	-0.00539	0.15051	0.03641	-0.11549	0.01841	-0.19315	0.10870
118	tol	48	-0.00539	0.08370	0.02747	0.04068	-0.00669	-0.15826	0.01849
165	ceos	35	-0.00539	0.04656	0.03033	-0.17932	0.16188	0.00746	-0.06151
175	ceeos	33	-0.00539	0.02723	0.06394	-0.17932	0.10978	0.01586	-0.03210
205	os	28	-0.00539	0.04853	0.02540	-0.14484	0.07124	-0.10584	0.11090
222	dceol	25	-0.00539	0.39601	0.04132	-0.10240	-0.06669	-0.23979	-0.02305
243	om	23	-0.00539	0.00805	0.01791	-0.17932	0.06374	0.02609	0.06892
267	keody	21	-0.00539	0.15824	0.11475	-0.17932	0.02422	-0.14189	0.02940
279	ydaiin	20	-0.00539	0.22751	0.07795	-0.13170	0.02855	-0.13540	-0.06151
	oi^{4}n								
175	oiin	33	0.02402	-0.11983	0.00512	0.02656	0.10978	0.01586	-0.06151
	o								
73	o	81	0.00696	0.02469	0.23315	-0.11759	0.00738	-0.11776	-0.03682
85	ceeo	66	-0.00539	-0.05388	0.02384	-0.17932	0.09997	0.17629	-0.06151
86	ceo	65	-0.00539	0.33605	0.01983	-0.17932	0.00684	-0.11649	-0.06151
	o ← a-Base								
231	oaiin	24	-0.00539	0.12677	0.00286	-0.17932	0.04869	0.02944	-0.02305
300	oar	18	-0.00539	-0.12964	0.16525	-0.17932	-0.06669	0.05508	0.16071
	o ← y-Base								
254	ceockey	22	-0.00539	0.00805	0.10487	-0.17932	0.15070	-0.01739	-0.06151
300	qockey	18	-0.00539	0.01949	0.04537	-0.12669	0.30173	-0.17299	-0.06151
	o[fptk] ← y-Base								
126	otcey	46	-0.00539	0.34953	0.03331	-0.09599	-0.06669	-0.19492	-0.01984
197	opceey	29	-0.00539	-0.08941	0.02540	-0.04139	-0.03221	0.13554	0.00746
212	otcedy	27	-0.00539	0.03703	0.03562	-0.10525	-0.06669	0.01804	0.08664
222	okceedy	25	-0.00539	-0.21630	0.04747	-0.09932	-0.06669	0.32174	0.01849
267	okcedy	21	-0.00539	0.03703	0.03033	-0.03647	-0.06669	-0.08778	0.12897
148	okcey	39	-0.00539	0.19088	0.16953	-0.12804	-0.04105	-0.17569	-0.01023

Table 18.8: Thematic Nouns in the Top 300 of *Vitruvius Pollio*

Rank	Word	#	Category	Spatial Type	Temporal Type	Agent	Repeatable	Mensural	Collective	Countable	Possessor	Possessable	Inherently Possessed
13		7	Balneological	Inherently Located	Creatable Intermediaries	√	√			1:M		√	
21	furnace	5	Balneological	Inherently Located	Creatable Intermediaries					1:M	√	√	
21	water	5	Liquid, Balneological, Flora	Independently Locatable	Elements	√	√	√	√	1:M	√	√	
21	rooms	5	Location	Inherently Located	Creatable Intermediaries					1:M	√	√	
38	tile	3	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
38	tiles	3	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
38	framework	3	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M	√	√	
38	vaults	3	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
38	heat	3	Temperature	Inherently Located	Elements				√	1:M		√	
38	iron	3	Material	Independently Locatable	Elements	√	√	√	√	1:M		√	
38	side	3	Location	Inherently Located	Fixed					1:M		√	√
38	room	3	Location	Inherently Located	Creatable Intermediaries					1:M	√	√	
38	feet	3	Anatomical	Parented but Separable	Targets				√	1:2		√	√
38	s	3	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	
66	bars	2	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
66	basin	2	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	
66	arcs	2	Shape	Parented	Changeable Properties					1:M		√	
66	support	2	Composition, Utilitarian	Inherently Located	Creatable Intermediaries					1:M		√	
66	floor	2	Location	Inherently Located	Creatable Intermediaries					1:M	√	√	
66	fire	2	Material	Independently Locatable	Elements	√	√		√	1:M	√	√	
66	dome	2	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	√
66	situation	2	Spatio-Temporal	Attachable	Time					1:M		√	

66	niches	2	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	√
66	pillars	2	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
66	hair	2	Anatomical	Parented but Separable	Targets					1:M		√	√
66	washbowl	2	Balneological	Inherently Located	Creatable Intermediaries					1:M	√	√	
66	height	2	Spatio-Temporal, Mensural	Inherently Located	Fixed					1:1		√	√
106	joints	1	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	√
106	laconicum	1	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	
106	length	1	Mensural, Shape	Inherently Located	Fixed					1:1		√	v
106	light	1	Color, Spagyrics, Balneological	Independently Locatable	Elements				√	1:M		√	
106	lime	1	Material	Independently Locatable	Elements	√	√	√	√	1:M		√	
106	hooks	1	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
106	window	1	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M	√	√	
106	work	1	Labor	Parented Process	Action/Process	√				1:M		√	
106	width	1	Mensural, Shape	Inherently Located	Fixed					1:1		√	√
106	floors	1	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	
106	flows	1	Balneological	Independently Locatable	Action/Process					1:M		√	
106	foot	1	Anatomical	Parented but Separable	Targets				√	1:2		√	
106	timber	1	Material	Independently Locatable	Elements				√	1:M	√	√	
106	time	1	Spatio-Temporal	Not Locatable	Time					1:M		√	
106	washbowls	1	Balneological	Inherently Located	Creatable Intermediaries					1:M	√	√	
106	ground	1	Spagyrics, Mineral	Fixed Location	Fixed					1:M		√	
106	wall	1	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M	√	√	
106	place	1	Location	Inherently Located	Fixed					1:M	√	√	√
106	places	1	Location - Place	Inherently Located	Fixed					1:M	√	√	√
106	population	1	Composition, Personal, Flora, Fauna	Independently Locatable	Fixed					1:M	√	√	
106	positions	1	Location	Inherently Located	Fixed					1:M		√	√
106	North	1	Location - Directional	Fixed Location	Fixed					1			
106	Northeast	1	Location - Directional	Fixed Location	Fixed					1			
106	Nature	1	Cosmological	Not Locatable	Fixed	√	√			1	√	√	
106	moisture	1	Balneological	Independently Locatable	Changeable Properties					1:M		√	
106	masonry	1	Balneological - Construction	Inherently Located	Creatable Intermediaries				√	1:M		√	
106	midday	1	Spatio-Temporal	Not Locatable	Time					1			
106	size	1	Shape	Parented	Changeable Properties					1:M		√	√
106	shadows	1	Occult	Inherently Located	Elements				√	1:M		√	
106	step	1	Composition, Location - Motion, Personal	Independently Locatable	Fixed					1:M		√	√
106	stucco	1	Material	Independently Locatable	Elements				√	1:M		√	
106	South	1	Location - Directional	Fixed Location	Fixed					1			
106	Southwest	1	Location - Directional	Fixed Location	Fixed					1			
106	space	1	Spatio-Temporal	Inherently Located	Fixed					1:M		√	
106	relief	1	Medicinal	Independently Locatable	Targets					1:M		√	
106	semicylinders	1	Spagyrics, Balneological	Independently Locatable	Non-Creatable Intermediaries	√				1:M	√	√	
106	cover	1	Spatio-Temporal	Inherently Located	Fixed					1:M		√	
106	comers	1	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	√
106	departments	1	Composition	Parented but not Locatable	Changeable Properties					1:M		√	√
106	disc	1	Shape	Parented	Changeable Properties					1:M		√	
106	distance	1	Location, Mensural	Inherently Located	Fixed					1:M		√	
106	distances	1	Location, Mensural	Inherently Located	Fixed					1:M		√	
106	edge	1	Location	Inherently Located	Fixed					1:M		√	√
106	evening	1	Spatio-Temporal	Restricted Locatability	Time					1:M		√	
106	events	1	Spatio-Temporal	Inherently Located	Time					1:M		√	√
106	faces	1	Anatomical, Cosmological	Parented	Fixed				√	1:1		√	√

106	fittings	1	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
106	flooring	1	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	
106	temperature	1	Temperature	Inherently Located	Elements	√			√	1:1		√	√
106	surface	1	Spatio-Temporal	Inherently Located	Fixed					1:M		√	√
106	aperture	1	Shape	Parented	Changeable Properties					1:M		√	
106	cushion	1	Furniture	Independently Locatable	Non-Creatable Intermediaries					1:M		√	
106	basins	1	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	
106	arrangement	1	Composition	Parented but not Locatable	Changeable Properties					1:M		√	√
106	ball	1	Shape	Parented	Changeable Properties					1:M		√	
106	bottom	1	Spatio-Temporal	Inherently Located	Fixed					1:1		√	√
106	breadth	1	Spatio-Temporal	Inherently Located	Fixed					1:1		√	√
106	bricks	1	Material	Independently Locatable	Elements		√		√	1:M		√	
106	cauldrons	1	Balneological	Inherently Located	Creatable Intermediaries					1:M		√	
106	ceilings	1	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
106	centre	1	Location - Orientation	Inherently Located	Fixed					1:M		√	√
106	chains	1	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
106	chamber	1	Balneological - Construction	Inherently Located	Creatable Intermediaries					1:M		√	
106	circumference	1	Mensural	Inherently Located	Fixed					1:1		√	

Table 18.9: Noun Candidates with Positive Balneological Affinity among the Top 300 Voynich Words

			Section Affinity						
Rank	Word	Count	0	1	2	3	4	5	6
	o[fptk]								
11	qokeey	305	-0.00539	-0.22767	-0.07331	0.11153	0.00193	0.23482	-0.04190
12	qokeedy	301	-0.00539	-0.26341	-0.10924	0.32068	-0.06669	0.17240	-0.04835
14	qokain	272	-0.00539	-0.27487	-0.10538	0.38853	-0.06312	0.10032	-0.04008
15	qokedy	262	-0.00539	-0.15085	-0.10889	0.41704	-0.06306	-0.05280	-0.03606
17	qokaiin	258	-0.00539	-0.16271	-0.09344	0.15655	-0.05906	0.15686	0.00719
24	qokal	190	-0.00539	-0.23901	-0.00836	0.37797	-0.05107	-0.06471	-0.00943
29	otedy	161	-0.00539	-0.16747	-0.08799	0.15197	-0.06669	0.08984	0.08573
30	qokar	152	-0.00539	-0.10676	-0.04717	0.14094	-0.04055	-0.01028	0.06921
31	qol	151	-0.00539	-0.27643	-0.11253	0.58889	-0.04020	-0.09282	-0.06151
38	okain	141	0.00155	-0.17130	-0.08475	0.12623	-0.06669	0.24258	-0.04762
41	qoky	140	-0.00539	-0.04288	-0.05088	0.23849	-0.03245	-0.07963	-0.02726
48	okedy	118	-0.00539	-0.07964	-0.04586	0.19568	-0.06669	-0.00326	0.00516
52	qokey	108	-0.00539	-0.21373	-0.07583	0.22435	0.03422	0.08872	-0.05234
56	okeedy	104	-0.00539	-0.15612	-0.09383	0.18516	-0.06669	0.17034	-0.03347
57	oteedy	102	-0.00539	-0.25709	-0.02429	0.04617	-0.06669	0.30998	-0.00269
59	qokol	99	-0.00539	0.04024	-0.06445	0.08029	0.13523	-0.15326	-0.03266
60	otain	97	-0.00539	-0.18992	-0.10189	0.08663	-0.06669	0.27494	0.00232
66	qotedy	91	-0.00539	-0.16587	-0.09079	0.33155	-0.06669	0.01522	-0.01803
67	qoty	87	-0.00539	0.06002	-0.07804	0.15401	-0.06669	-0.05986	-0.00404
79	qoteedy	72	-0.00539	-0.26928	-0.09901	0.34770	-0.06669	0.14066	-0.04800
89	okey	64	-0.00539	-0.12443	0.09060	0.00818	0.12081	-0.02826	-0.06151
89	qotain	64	-0.00539	-0.29630	-0.08128	0.21130	-0.06669	0.26862	-0.03026
93	qotar	63	-0.00539	-0.13757	-0.09665	0.02703	-0.06669	0.19794	0.08135
101	qotal	56	-0.00539	-0.21010	-0.04356	0.25171	-0.06669	0.04933	0.02470
107	otey	52	-0.00539	-0.20858	0.22081	0.08383	-0.04915	-0.01510	-0.02642
122	qotol	47	-0.00539	0.15051	-0.09125	0.01217	0.01841	-0.08677	0.00232
165	qokor	35	-0.00539	0.03703	-0.05697	0.01512	0.01664	0.02730	-0.03373
183	ykeedy	31	-0.00539	-0.07050	-0.04801	0.14326	-0.03443	-0.02019	0.03526
183	qopceedy	31	-0.00539	-0.29630	-0.11253	0.07068	-0.06669	0.40924	0.00099
216	qokam	26	-0.00539	-0.05630	-0.11253	0.06068	-0.06669	0.20174	-0.02151
222	qotey	25	-0.00539	-0.21630	-0.03253	0.10068	-0.02669	0.20174	-0.02151
222	okair	25	-0.00539	-0.06553	0.04132	0.01298	-0.02823	0.06790	-0.02305
231	okaly	24	-0.00539	-0.13630	0.32747	0.02068	-0.06669	-0.11826	-0.02151
243	ytedy	23	-0.00539	0.22544	-0.11253	0.16850	-0.06669	-0.23478	0.02545
254	ykedy	22	-0.00539	0.22544	-0.11253	0.12502	-0.06669	-0.14782	-0.01803
	o[dlrsmg]								
2	ol	536	-0.00357	-0.12872	-0.06517	0.24326	0.00435	-0.07971	0.02956
49	dol	114	-0.00539	0.11395	-0.06979	0.11128	0.10425	-0.20988	-0.04442
52	cseeol	108	-0.00539	-0.13559	0.01247	0.07961	0.10295	-0.03718	-0.01687
79	sol	72	-0.00539	-0.10186	-0.05697	0.37623	0.04442	-0.20881	-0.04762
101	oly	56	-0.00539	-0.08941	-0.00908	0.32068	-0.04945	-0.15757	-0.00979
101	sor	56	-0.00539	0.00194	-0.04235	0.20664	0.03857	-0.15545	-0.04397
118	cseeor	48	-0.00539	-0.02179	-0.05370	0.03636	0.16860	-0.06257	-0.06151
118	tol	48	-0.00539	0.08370	0.02747	0.04068	-0.00669	-0.15826	0.01849
135	lor	43	-0.00539	-0.18002	-0.08927	0.07649	-0.04344	0.27988	-0.03825
135	lol	43	-0.00539	-0.20328	-0.08927	0.33230	-0.04344	0.02407	-0.01500
140	olkeedy	42	-0.00539	-0.24868	-0.11253	0.22544	-0.06669	0.12651	0.08135
148	olkeey	39	-0.00539	-0.27130	-0.08753	0.27068	-0.04169	0.09674	0.03849
163	olor	36	-0.00539	-0.07755	-0.08128	0.35193	-0.03544	-0.15326	0.00099
175	olkaiin	33	-0.00539	-0.14479	-0.11253	0.03280	-0.06669	0.17629	0.12031
183	olkain	31	-0.00539	-0.23380	-0.11253	0.60193	-0.06669	-0.15326	-0.03026
205	oldy	28	-0.00539	-0.04630	-0.04110	0.21353	0.14759	-0.20683	-0.06151

212	orain	27	-0.00539	-0.11112	-0.11253	0.04290	0.00738	0.20323	-0.02447
222	olkedy	25	-0.00539	-0.25927	-0.11253	0.56142	-0.06669	-0.09307	-0.02447
231	pol	24	-0.00539	-0.21297	-0.11253	0.32068	-0.06669	0.05508	0.02182
243	olky	23	-0.00539	-0.12239	-0.11253	0.42937	-0.02321	-0.23478	0.06892
254	qokeor	22	-0.00539	-0.15994	-0.11253	0.09340	0.34240	-0.09644	-0.06151
267	qor	21	-0.00539	-0.02357	-0.02162	0.13886	-0.06669	-0.00553	-0.01606
267	olkar	21	-0.00539	-0.29630	-0.06491	0.10639	-0.06669	-0.13540	0.46230
279	qoeedy	20	-0.00539	-0.29630	-0.11253	0.12068	-0.06669	0.32174	0.03849
279	rol	20	-0.00539	-0.24630	-0.11253	0.47068	-0.06669	0.02174	-0.06151
300	ols	18	-0.00539	-0.07408	-0.00141	0.04290	0.15553	-0.11159	-0.00595
	oi^{4}n								
175	oiin	33	0.02402	-0.11983	0.00512	0.02656	0.10978	0.01586	-0.06151
	o								
180	qo	32	-0.00539	0.08301	-0.11253	0.13102	-0.03221	-0.00239	-0.06151
	o[fptk] ← y-Base								
104	qokcedy	55	-0.00539	0.00727	-0.07681	0.08853	-0.06669	-0.02826	0.08135
112	opceedy	50	-0.00539	-0.21630	-0.09253	0.12068	-0.06669	0.24174	0.01849
	o[dlrsmg] ← y-Base								
243	olcseedy	23	-0.00539	-0.25282	-0.11253	0.42937	-0.06669	-0.06086	0.06892
156	olceedy	38	-0.00539	-0.26999	-0.08621	0.47857	-0.06669	-0.04141	-0.00888
197	olceey	29	-0.00539	-0.15837	-0.11253	0.37240	0.03676	-0.10584	-0.02703

Table 18.10: Noun Candidates with Positive Rosette Section Affinity among the Top 300 Voynich Words

		Section Affinity							
Rank	**Word**	**Count**	**0**	**1**	**2**	**3**	**4**	**5**	**6**
	o[fptk]								
17	qokaiin	258	-0.00539	-0.16271	-0.09344	0.15655	-0.05906	0.15686	0.00719
29	otedy	161	-0.00539	-0.16747	-0.08799	0.15197	-0.06669	0.08984	0.08573
30	qokar	152	-0.00539	-0.10676	-0.04717	0.14094	-0.04055	-0.01028	0.06921
34	otaiin	148	0.00119	-0.05946	-0.03358	-0.09380	-0.04696	0.20859	0.02402
38	otar	141	-0.00539	-0.13078	0.01851	-0.00691	-0.04600	0.08726	0.08332
38	okal	141	-0.00539	-0.03574	0.05649	-0.00327	-0.03852	0.01752	0.00891
43	otal	139	-0.00539	-0.13546	0.05531	-0.03247	-0.02473	0.11335	0.02940
44	okar	138	-0.00539	-0.05543	0.01156	-0.01874	-0.02290	0.01372	0.07718
48	okedy	118	-0.00539	-0.07964	-0.04586	0.19568	-0.06669	-0.00326	0.00516
60	otain	97	-0.00539	-0.18992	-0.10189	0.08663	-0.06669	0.27494	0.00232
67	otol	87	-0.00539	0.11067	0.03864	-0.03979	0.00307	-0.12709	0.01988
75	qotaiin	80	-0.00539	-0.11909	-0.08721	-0.00211	-0.06669	0.21542	0.06507
93	qotar	63	-0.00539	-0.13757	-0.09665	0.02703	-0.06669	0.19794	0.08135
101	qotal	56	-0.00539	-0.21010	-0.04356	0.25171	-0.06669	0.04933	0.02470
122	otam	47	-0.00539	0.00157	-0.00614	-0.13677	-0.04542	0.08345	0.10870
122	qotol	47	-0.00539	0.15051	-0.09125	0.01217	0.01841	-0.08677	0.00232
128	ykaiin	45	0.01683	0.05925	-0.02364	-0.13488	-0.06669	-0.12270	0.27182
135	otor	43	-0.00539	0.15824	0.02384	-0.08841	-0.04397	-0.07371	0.02940
140	ytaiin	42	-0.00539	0.05254	-0.11253	-0.13281	-0.06669	-0.04570	0.31058
163	ykar	36	-0.00539	0.13613	0.04964	-0.12527	-0.03967	-0.14312	0.12768
180	qokeody	32	-0.00539	-0.10880	0.07497	-0.17932	0.37081	-0.15326	0.00099
183	ykeedy	31	-0.00539	-0.07050	-0.04801	0.14326	-0.03443	-0.02019	0.03526
197	qotor	29	-0.00539	0.35887	-0.11253	-0.14484	-0.06669	-0.03688	0.00746
205	yteey	28	-0.00539	-0.04630	-0.04110	-0.07218	-0.03098	-0.02826	0.22420
212	yteedy	27	-0.00539	-0.02044	-0.04356	-0.07587	-0.06669	0.13554	0.07642
216	qokeeey	26	-0.00539	-0.21938	-0.11253	-0.02548	0.01023	0.33713	0.01541
216	okeeey	26	-0.00539	-0.14246	-0.03560	-0.17932	0.08715	0.26021	0.01541
222	ytar	25	-0.00539	-0.07408	0.07266	-0.14229	-0.06669	-0.01900	0.23479
243	ytedy	23	-0.00539	0.22544	-0.11253	0.16850	-0.06669	-0.23478	0.02545
254	otody	22	-0.00539	-0.02357	0.06929	-0.13387	-0.02124	-0.14189	0.25667
267	okody	21	-0.00539	-0.19104	0.25590	-0.17932	0.09120	-0.17299	0.20165
279	yky	20	-0.00539	0.30370	0.08747	-0.17932	-0.06669	-0.17826	0.03849
300	okees	18	-0.00539	-0.18519	0.33192	-0.06821	-0.06669	-0.16714	0.16071
300	ytal	18	-0.00539	0.07212	0.20326	-0.02143	-0.06669	-0.27826	0.09638
	o[dlrsmg]								
2	ol	536	-0.00357	-0.12872	-0.06517	0.24326	0.00435	-0.07971	0.02956
7	or	366	0.00261	0.04503	-0.05919	-0.00599	0.02397	-0.10226	0.09582
60	cseor	97	-0.00539	0.38737	-0.06151	-0.14871	-0.01567	-0.18642	0.03033
96	odaiin	59	0.01128	0.10370	-0.01253	-0.16266	-0.00003	-0.01159	0.07182
104	cseody	55	0.04915	0.23097	-0.07616	-0.16114	-0.01215	-0.06007	0.02940
107	olaiin	52	-0.00539	-0.10762	0.01955	-0.06612	0.14085	-0.01410	0.03283
112	cseeody	50	-0.00539	-0.01630	0.02747	-0.17932	0.11331	0.02174	0.03849
115	ody	49	-0.00539	0.15051	0.03641	-0.11549	0.01841	-0.19315	0.10870
118	tol	48	-0.00539	0.08370	0.02747	0.04068	-0.00669	-0.15826	0.01849
140	olkeedy	42	-0.00539	-0.24868	-0.11253	0.22544	-0.06669	0.12651	0.08135
148	olkeey	39	-0.00539	-0.27130	-0.08753	0.27068	-0.04169	0.09674	0.03849
156	qodaiin	38	-0.00539	0.08465	-0.11253	-0.15551	-0.01907	0.10270	0.10516
160	oraiin	37	-0.00539	-0.13841	-0.05989	-0.12669	0.09120	0.06385	0.17533
163	olor	36	-0.00539	-0.07755	-0.08128	0.35193	-0.03544	-0.15326	0.00099
175	olkaiin	33	-0.00539	-0.14479	-0.11253	0.03280	-0.06669	0.17629	0.12031
205	os	28	-0.00539	0.04853	0.02540	-0.14484	0.07124	-0.10584	0.11090
231	tor	24	-0.00539	0.24536	-0.07086	-0.01266	0.01664	-0.19492	0.02182
231	pol	24	-0.00539	-0.21297	-0.11253	0.32068	-0.06669	0.05508	0.02182
243	om	23	-0.00539	0.00805	0.01791	-0.17932	0.06374	0.02609	0.06892
243	olky	23	-0.00539	-0.12239	-0.11253	0.42937	-0.02321	-0.23478	0.06892
243	odar	23	0.03628	-0.04630	-0.07086	-0.13766	-0.02503	0.13841	0.10516
254	cseodaiin	22	-0.00539	0.38552	-0.06707	-0.17932	-0.06669	-0.09644	0.02940
267	olkar	21	-0.00539	-0.29630	-0.06491	0.10639	-0.06669	-0.13540	0.46230
267	keody	21	-0.00539	0.15824	0.11475	-0.17932	0.02422	-0.14189	0.02940
279	qoeedy	20	-0.00539	-0.29630	-0.11253	0.12068	-0.06669	0.32174	0.03849

	o[dlrsmg] ← y-Base								
243	olcseedy	23	-0.00539	-0.25282	-0.11253	0.42937	-0.06669	-0.06086	0.06892
104	qokcedy	55	-0.00539	0.00727	-0.07681	0.08853	-0.06669	-0.02826	0.08135
112	opceedy	50	-0.00539	-0.21630	-0.09253	0.12068	-0.06669	0.24174	0.01849
171	otceedy	34	-0.00539	-0.20807	-0.08311	-0.03226	-0.06669	0.22174	0.17378
183	qopceedy	31	-0.00539	-0.29630	-0.11253	0.07068	-0.06669	0.40924	0.00099
190	otceey	30	-0.00539	0.05854	-0.01575	-0.05029	-0.06669	0.04433	0.03526
197	opceey	29	-0.00539	-0.08941	0.02540	-0.04139	-0.03221	0.13554	0.00746
212	otcedy	27	-0.00539	0.03703	0.03562	-0.10525	-0.06669	0.01804	0.08664
222	okceedy	25	-0.00539	-0.21630	0.04747	-0.09932	-0.06669	0.32174	0.01849
231	qotceedy	24	-0.00539	-0.29630	-0.07086	-0.01266	-0.06669	0.43008	0.02182
231	qotcedy	24	-0.00539	-0.08797	-0.11253	-0.09599	-0.06669	0.22174	0.14682
267	okcedy	21	-0.00539	0.03703	0.03033	-0.03647	-0.06669	-0.08778	0.12897
293	ytcey	19	-0.00539	0.38791	-0.00726	-0.17932	-0.01406	-0.22562	0.04375
293	opcedy	19	-0.00539	-0.13841	-0.11253	-0.07406	-0.06669	0.24806	0.14902
	o ← a-Base								
300	oar	18	-0.00539	-0.12964	0.16525	-0.17932	-0.06669	0.05508	0.16071

Table 18.11: Repeatability in the Voynich Manuscript

Word	Word Count	Single Repetition Count	Triple Repeater	Repetition Score
o[fptk]				
qokeey	305	2		0.0000045
qokeedy	301	5	√	0.0000101
qokain	272	2		0.0000036
qokedy	262	9	√	0.0000155
qokaiin	258	2		0.0000058
okaiin	205	5	√	0.0000296
qokal	190	2		0.0000064
okeey	176	2		0.0000121
otedy	161	2		0.0000130
otaiin	148	2		0.0000182
okain	141	2		0.0000104
otar	141	2		0.0000125
qoky	140	2		0.0000085
otal	139	2		0.0000137
okar	138	2		0.0000116
oteey	138	2		0.0000324
okedy	118	2		0.0000115
oty	114	2		0.0000219
qokey	108	2		0.0000078
okeedy	104	2		0.0000119
oky	102	2		0.0000270
oteedy	102	2		0.0000229
qokol	99	2		0.0000216
otain	97	2		0.0000304
qotedy	91	2		0.0000177
qoty	87	2		0.0000287
qoteedy	72	2		0.0000243
okeol	64	2		0.0000402
okey	64	2		0.0000211
ykeey	58	2		0.0000383
qotal	56	2		0.0000275
otam	47	2		0.0000613
qotol	47	2		0.0000641
ykaiin	45	2		0.0000204
ytaiin	42	5	√	0.0001795
oteol	39	2		0.0000569
ceoky	37	2		0.0001133
qokor	35	2		0.0000328
qokeody	32	2		0.0001038
qotor	29	2		0.0001444
okair	25	2		0.0000458
ytar	25	2		0.0000620
yty	24	2		0.0001591
ytedy	23	2		0.0000533
otair	22	2		0.0002676
otody	22	5	√	0.0010478
okody	21	2		0.0002588
otceor	18	2		0.0002426
qokair	18	2		0.0000391
ytal	18	2		0.0000240
ceokaiin	14	2		0.0001533
opaiin	13	2		0.0004252
ykeol	12	2		0.0002220
ceokeey	10	2		0.0000557
ceokal	8	2		0.0000655
ykceey	6	2		0.0016474
okod	5	2		0.0006964
ykaly	5	2		0.0000670
ykceo	5	2		0.0002707
okeear	4	2		0.0021834
qotceeo	4	2		0.0018298
okolaiin	2	2		0.0030211
qoekol	2	2		0.0028249
o[fptk] ← y-Base				
qokcey	68	2		0.0000350

qokcedy	55	2		0.0000225
qokceedy	39	2		0.0001227
qopceedy	31	2		0.0000704
otceey	30	2		0.0001375
qokceey	29	2		0.0001490
okalcey	2	2		0.0000732
o[dlrsmg]				
ol	536	5	√	0.0000063
ceol	388	5	√	0.0000167
or	366	2		0.0000048
ceor	209	2		0.0000133
cseol	186	2		0.0000145
ceeol	165	2		0.0000120
qol	151	2		0.0000058
dol	114	2		0.0000131
cseeol	108	5	√	0.0000523
csey	105	2		0.0000175
cseor	97	2		0.0000293
cteol	59	2		0.0000435
olkain	31	2		0.0000425
dceor	26	2		0.0002680
olkedy	25	2		0.0000599
rol	20	2		0.0001209
olkam	10	2		0.0000579
olal	8	2		0.0005988
ceeoldy	3	2		0.0000661
tceeor	3	2		0.0007541
oedas	2	2		0.0125000
o[dlrsmg] ← a-Base				
olceear	1	2		0.0003013
o				
cseo	128	2		0.0000281
ceo	65	2		0.0000347
kceo	5	2		0.0002921
o ← y-Base				
yceeey	23	2		0.0001023
y-Bases				
ceedy	496	2		0.0000020
cseedy	422	2		0.0000020
dy	257	2		0.0000072
cey	150	2		0.0000137
cedy	149	2		0.0000098
ceckey	140	2		0.0000069
lceedy	119	2		0.0000070
ctey	109	2		0.0000271
cectey	76	2		0.0000196
keey	44	2		0.0000422
lcseedy	42	2		0.0000198
lkeedy	41	2		0.0000505
lkeey	41	2		0.0000711
ckey	39	2		0.0000640
kedy	39	2		0.0000254
cseeky	38	2		0.0000650
ckeey	31	2		0.0000419
kcey	29	2		0.0001622
lkedy	29	2		0.0000680
lcseey	18	2		0.0000536
lceeedy	9	2		0.0003270
eedy	6	2		0.0009615
cseckeedy	5	2		0.0001894
tceedy	31	2		0.0000999
a-Bases				
daiin	835	5	√	0.0000079
aiin	467	2		0.0000051
ar	354	2		0.0000061
dar	316	2		0.0000045
al	259	2		0.0000083
dal	240	2		0.0000053
dain	208	2		0.0000081
saiin	142	2		0.0000118
dair	105	2		0.0000399
dam	95	2		0.0000185
ain	87	2		0.0000092
cear	65	2		0.0000329
ceear	47	2		0.0000373
ceaiin	44	2		0.0000947
ceal	43	2		0.0000440
taiin	41	2		0.0000360
csear	30	2		0.0000440
aiir	25	2		0.0001768
kal	22	2		0.0000381
ctear	20	2		0.0000763
ceam	19	2		0.0000819
tal	17	2		0.0000418
cteaiin	10	2		0.0001738
ceekaiin	8	2		0.0007342
csean	5	2		0.0003724

a-Base ← a-Base				
alar	6	2		0.0000754
alaiin	3	2		0.0004125
a-Base ← y-Base				
daldy	18	2		0.0000511
[dlrsmg]				
s	234	2		0.0000093

Table 18.12: Thematic Adjectives and Adverbs in the Top 300 of Materia Medica

Rank	Word	Word Count	Category
46	white	366	Color
82	black	211	Color
98	effective	169	Medicinal
100	menstrual	168	Anatomical
108	sharp	162	Shape
122	burnt	147	Spagyrics
125	thick	142	Shape
128	sweet	139	Sensory
134	strength	130	Mensural
135	head	127	Anatomical
141	rough	124	Shape
143	fat	123	Shape
145	old	122	Temporal
146	hard	120	Texture
146	wild	120	Flora, Fauna
178	red	98	Color
179	warm	97	Temperature
191	kind	86	Composition
193	bitter	85	Sensory
200	green	84	Color
208	purple	81	Color
215	hot	78	Temperature
221	painful	76	Pathology
221	excessive	76	Mensural
232	yellow	71	Color
242	bigger	70	Mensural
246	ceramic	68	Material
246	raw	68	Spagyrics
282	moist	61	Liquid
282	feet	61	Anatomical, Mensural
291	suitable	60	Property Assignment
291	strong	60	Mensural
297	smooth	58	Texture
297	slender	58	Shape
314	ground	53	Spagyrics, Mineral
	Intersecting Verbs		
45	boiled	383	Alimentary, Medicinal, Spagyrics
60	mixed	281	Spagyrics
120	dried	148	Spagyrics
127	dry	140	Balneological
132	bitten	134	Alimentary, Fauna
149	smeared	118	Medicinal
224	burning	75	Spagyrics
232	washed	71	Balneological
	Number		
200	twenty	84	Mensural

Table 18.13: Thematic Adjectives and Adverbs in the Top 300 of the Spagyrics Reference

Rank	Word	Word Count	Category
75	philosophical	33	Occult
75	different	33	Composition
80	together	32	Spatio-Temporal
90	dry	29	Liquid
109	volatile	24	Spagyrics
109	fixed	24	Mensural, Labor, Composition
109	fresh	24	Alimentary, Medicinal, Flora, Spagyrics
119	spagyric	22	Spagyrics
134	essential	20	Composition
166	white	16	Color
176	alembic	15	Spagyrics
176	purified	15	Spagyrics
196	pure	14	Spagyrics
211	small	13	Mensural
226	longer	12	Shape
226	solid	12	Material
226	alchemical	12	Spagyrics, Occult
226	color	12	Color
246	classical	11	Spatio-Temporal
246	mixed	11	Spagyrics
270	long	10	Shape
270	natural	10	Occult
270	perfect	10	Property Assignment
270	elemental	10	Spagyrics
270	clear	10	Property Assignment
270	dissolved	10	Spagyrics
270	combustible	10	Spagyrics

270	gently	10	Sensory
298	evaporated	9	Spagyrics, Liquid
298	possible	9	Property Assignment
298	frequently	9	Spatio-Temporal
298	slowly	9	Spatio-Temporal
326	essentia	8	Composition
326	higher	8	Shape
326	dried	8	Spagyrics
326	cold	8	Temperature
326	green	8	Color
326	essentials	8	Composition
326	balsam	8	Material
326	easily	8	Mensural
Intersecting Verbs			
38	distilled	62	Spagyrics
52	prepared	43	Spagyrics
176	filtered	15	Liquid
176	separated	15	Spagyrics
196	following	14	Spatio-Temporal
211	poured	13	Liquid
226	separate	12	Composition
226	fractionating	12	Spagyrics
246	repeated	11	Temporal
298	closed	9	Spatio-Temporal
298	remaining	9	Mensural, Spatio-Temporal
326	rectified	8	Mensural, Labor, Composition
326	incinerated	8	Spagyrics
Adpositions			
298	later	9	Spatio-Temporal
298	bottom	9	Spatio-Temporal
Conjunctions			
119	minus	22	Conjunction
246	according	11	Conjunction
Numbers			
27	three	85	Mensural
211	forty	13	Mensural
298	half	9	Mensural
326	quinta	8	Mensural
Quantifiers			
270	enough	10	Mensural

Table 18.14: Thematic Adjectives and Adverbs in the Top 300 of *Vitruvius Pollio*

Rank	Word	Word Count	Category
	Adjectives and Adverbs		
20	hot	6	Temperature
21	tepid	5	Temperature
38	possible	3	Property Assignment
38	mixed	3	Spagyrics
38	hanging	3	Spatio-Temporal
38	round	3	Shape
66	bronze	2	Mineral
66	cold	2	Temperature
66	apart	2	Spatio-Temporal
66	serviceable	2	Attitude, Labor
66	two-foot	2	Mensural
106	lower	1	Spatio-Temporal
106	lowering	1	Spatio-Temporal
106	proper	1	Composition
106	proportioned	1	Mensural
106	regulated	1	Composition
106	mens	1	Personal
106	left	1	Location - Orientation
106	half	1	Mensural
106	supported	1	Composition, Balneological
106	vaulted	1	Balneological - Construction
106	vaulting	1	Balneological - Construction
106	together	1	Spatio-Temporal
106	sloping	1	Shape
106	smooth	1	Texture
106	situated	1	Location
106	square	1	Shape
106	roomy	1	Shape
106	waiting	1	Spatio-Temporal
106	warmest	1	Balneological
106	womens	1	Balneological, Medicinal, Anatomical
106	unflanged	1	Spagyrics
106	broad	1	Shape
106	completely	1	Mensural
106	curved	1	Shape
106	eight-inch	1	Mensural
106	entire	1	Mensural
106	equal	1	Mensural
106	evenly	1	Mensural
106	circular	1	Shape
106	facing	1	Spatio-Temporal
106	breadth	1	Spatio-Temporal

106	size	1	Shape
106	width	1	Mensural, Shape
106	length	1	Mensural, Shape
106	bottom	1	Spatio-Temporal
106	ground	1	Spagyrics, Mineral
106	principally	1	Mensural
106	readily	1	Mensural
	Intersecting Verbs		
106	close	1	Spatio-Temporal
106	plastered	1	Spagyrics, Medicinal, Balneological
106	polished	1	Texture
106	selected	1	Composition
106	pounded	1	Spagyrics
106	lighted	1	Spagyrics, Balneological
106	heated	1	Balneological
106	daubed	1	Balneological
	Adpositions		
106	up	1	Spatio-Temporal
106	middle	1	Spatio-Temporal
106	inside	1	Spatio-Temporal
106	out	1	Spatio-Temporal
106	over	1	Spatio-Temporal
106	top	1	Spatio-Temporal
106	towards	1	Spatio-Temporal
106	upper	1	Spatio-Temporal
	Number		
106	pair	1	Mensural
106	quarter	1	Mensural
	Quantifiers		
106	less	1	Mensural
	Specifiers		
106	excluding	1	Composition

Table 18.15: Thematic Adjectives and Adverbs in the Top 300 of *The Picatrix*

Rank	Word	Word Count	Category
Adjectives			
49	small	74	Shape
78	white	44	Color
85	light	42	Cosmological
96	yellow	36	Color
105	black	33	Color
115	great	31	Mensural
135	golden	27	Color
143	different	25	Composition
153	high	23	Location, Mensural
153	dried	23	Spagyrics
159	spiritual	22	Cosmological
159	little	22	Shape
167	hard	21	Texture
173	evil	20	Cosmological, Medicinal
173	matters	20	Composition, Utilitarian
187	Indian	19	Location - Place of Origin
187	wood	19	Flora
187	green	19	Color
187	earlier	19	Spatio-Temporal
187	beautiful	19	Attitude
203	gold	18	Color
203	dressed	18	Clothing
218	pleasant	17	Attitude
218	ground	17	Spagyrics, Mineral
232	responsible	16	General Object
244	kind	15	Composition
244	honorable	15	Occult
244	happy	15	Emotional
244	bright	15	Color
262	color	14	Color
262	master	14	Occult
276	equal	13	Mensural
276	colored	13	Color
293	magnificent	12	Attitude
316	Arabic	11	Location - Place of Origin
Adpositions			
87	up	40	Spatio-Temporal
124	out	29	Spatio-Temporal
131	back	28	Spatio-Temporal
203	facing	18	Spatio-Temporal
218	upper	17	Spatio-Temporal
244	middle	15	Spatio-Temporal
Numbers			
218	seventh	17	Mensural
232	twenty	16	Mensural
244	ten	15	Mensural
276	half	13	Mensural
Interjections			
187	Amen	19	Cosmological

Table 18.16: Herbal-Positive Modifiers among the Top 300 Voynich Words

			Section						
Rank	Word	#	0	1	2	3	4	5	6
	y-Base								
18	dy	257	-0.00539	0.23779	0.02763	0.01386	-0.00609	-0.23659	-0.03121
32	cey	150	0.00106	0.38757	0.00360	-0.12126	-0.03443	-0.20729	-0.02925
33	cedy	149	0.00141	0.09826	-0.03089	-0.02286	-0.05989	-0.00615	0.02012
35	y	145	0.02146	0.20034	0.08210	-0.07865	-0.05327	-0.11047	-0.06151
41	ceckey	140	-0.00539	0.06084	-0.09110	0.11353	-0.04526	0.00032	-0.03294
51	ctey	109	0.02140	0.57870	-0.07681	-0.17039	-0.03991	-0.26040	-0.05258
54	csey	105	-0.00539	0.36084	-0.04586	-0.06504	-0.00955	-0.20206	-0.03294
78	cectey	76	-0.00539	0.04136	-0.06058	0.11938	-0.05371	-0.00553	-0.03554
89	ceeky	64	-0.00539	0.13447	0.05670	-0.02548	0.01023	-0.10902	-0.06151
109	csedy	51	-0.00539	0.06219	-0.01819	0.02822	-0.06669	-0.05184	0.05170
115	cteey	49	0.01502	0.29553	-0.05130	-0.13851	0.13739	-0.19662	-0.06151
148	ckey	39	-0.00539	0.50858	-0.06375	-0.15493	0.03087	-0.25386	-0.06151
156	sy	38	-0.00539	0.25633	-0.08621	-0.02143	0.03857	-0.22562	0.04375
183	ckeey	31	0.05343	0.08605	-0.02429	-0.12050	0.31566	-0.24884	-0.06151
190	dcey	30	-0.00539	0.53703	-0.01253	-0.11266	-0.06669	-0.27826	-0.06151
197	kcey	29	0.02909	0.63473	-0.11253	-0.17932	-0.06669	-0.24377	-0.06151
231	ceety	24	-0.00539	0.14370	0.04747	0.02068	-0.02669	-0.11826	-0.06151
231	ky	24	-0.00539	0.32870	-0.02919	-0.05432	-0.06669	-0.11159	-0.06151
243	tcey	23	-0.00539	0.45370	0.05414	-0.13766	-0.06669	-0.27826	-0.01984
254	tceey	22	0.04006	0.24915	-0.11253	-0.08841	-0.02124	-0.09644	0.02940
279	kceey	20	-0.00539	0.32275	-0.11253	-0.03647	-0.01907	-0.13540	-0.01389
293	kcedy	19	-0.00539	0.40370	-0.11253	-0.02932	-0.06669	-0.22826	0.03849
300	dceey	18	-0.00539	0.25925	-0.05697	-0.06821	0.04442	-0.16714	-0.00595
300	ceky	18	-0.00539	0.25925	-0.00141	-0.12377	-0.06669	-0.00048	-0.06151
	[dlrsmg]								
20	s	234	0.00281	0.36353	0.01042	-0.13014	0.03577	-0.22907	-0.05331
64	r	92	-0.00539	0.06929	0.11328	0.01423	0.01933	-0.17073	-0.04001
112	d	50	0.01422	0.25272	0.22081	-0.12050	-0.06669	-0.27826	-0.02229
175	ceees	33	-0.00539	0.03703	-0.02162	-0.02781	0.05452	-0.03583	-0.00090

Table 18.17: Modifiers with Positive Pharmacological Affinity among the Top 300 Voynich Words

				Section					
Rank	Word	Count		0	1	2	3	4	5
	y-Base								
27	ceeey	173	-0.00539	-0.16913	-0.04316	0.05189	0.03157	0.16105	-0.02683
35	cseeey	145	0.00146	-0.11137	-0.05773	0.06725	0.03605	0.05736	0.00698
89	ceeky	64	-0.00539	0.13447	0.05670	-0.02548	0.01023	-0.10902	-0.06151
115	cteey	49	0.01502	0.29553	-0.05130	-0.13851	0.13739	-0.19662	-0.06151
131	keey	44	0.04006	-0.02357	0.00111	-0.08841	0.06967	0.06265	-0.06151
148	ckey	39	-0.00539	0.50858	-0.06375	-0.15493	0.03087	-0.25386	-0.06151
156	sy	38	-0.00539	0.25633	-0.08621	-0.02143	0.03857	-0.22562	0.04375
183	ckeey	31	0.05343	0.08605	-0.02429	-0.12050	0.31566	-0.24884	-0.06151
300	dceey	18	-0.00539	0.25925	-0.05697	-0.06821	0.04442	-0.16714	-0.00595
	a-Base ← y-Base								
300	daldy	18	-0.00539	-0.07408	0.05414	0.15401	0.04442	-0.16714	-0.00595
	[dlrsmg]								
20	s	234	0.00281	0.36353	0.01042	-0.13014	0.03577	-0.22907	-0.05331
64	r	92	-0.00539	0.06929	0.11328	0.01423	0.01933	-0.17073	-0.04001
175	ceees	33	-0.00539	0.03703	-0.02162	-0.02781	0.05452	-0.03583	-0.00090

Table 18.18: Modifiers with Positive Balneological Affinity among the Top 300 Voynich Words

			Section						
Rank	**Word**	**Count**	**0**	**1**	**2**	**3**	**4**	**5**	**6**
	y-Base								
3	ceedy	496	-0.00539	-0.16203	-0.08848	0.23951	-0.06469	0.10251	-0.02143
5	cseedy	422	-0.00539	-0.21199	-0.08208	0.40147	-0.06435	-0.01596	-0.02170
9	ceey	337	0.00051	-0.08391	-0.05648	0.09501	-0.00475	0.07573	-0.02611
13	cseey	283	0.00510	-0.14246	-0.03211	0.17033	-0.00026	0.01895	-0.01955
18	dy	257	-0.00539	0.23779	0.02763	0.01386	-0.00609	-0.23659	-0.03121
27	ceeey	173	-0.00539	-0.16913	-0.04316	0.05189	0.03157	0.16105	-0.02683
35	cseeey	145	0.00146	-0.11137	-0.05773	0.06725	0.03605	0.05736	0.00698
41	ceckey	140	-0.00539	0.06084	-0.09110	0.11353	-0.04526	0.00032	-0.03294
47	lceedy	119	-0.00539	-0.27109	-0.09572	0.31648	-0.06669	0.18393	-0.06151
71	cseeedy	84	-0.00539	-0.21297	-0.08872	0.33258	-0.05479	0.04317	-0.01389
78	cectey	76	-0.00539	0.04136	-0.06058	0.11938	-0.05371	-0.00553	-0.03554
95	cseckey	60	-0.00539	-0.14876	-0.11253	0.29609	-0.06669	0.04961	-0.01233
96	ceeedy	59	-0.00539	-0.26240	-0.06168	0.24441	-0.01585	0.12852	-0.02761
109	csedy	51	-0.00539	0.06219	-0.01819	0.02822	-0.06669	-0.05184	0.05170
109	keedy	51	-0.00539	-0.14246	-0.11253	0.16683	-0.06669	0.20251	-0.04228
126	ceeckey	46	-0.00539	-0.12609	-0.11253	0.24621	-0.04542	0.08345	-0.04023
128	lceey	45	-0.00539	-0.20741	-0.06808	0.30957	-0.04447	0.05508	-0.03929
140	lcseedy	42	-0.00539	-0.27249	-0.06491	0.39211	-0.06669	0.07889	-0.06151
147	tedy	40	-0.00539	-0.03440	-0.11253	0.32068	-0.06669	-0.08778	-0.01389
148	kedy	39	-0.00539	-0.00085	-0.08980	0.25250	-0.06669	-0.05098	-0.03878
156	cseeky	38	0.02093	-0.08578	-0.00726	0.29436	-0.04038	-0.12036	-0.06151
165	cseeckey	35	-0.00539	-0.23916	-0.11253	0.44925	-0.06669	0.03603	-0.06151
171	pceedy	34	-0.00539	-0.20807	-0.08311	0.26185	-0.06669	0.10410	-0.00269
171	dcseedy	34	-0.00539	-0.10186	-0.11253	0.43179	-0.06669	-0.16714	0.02182
183	tceedy	31	-0.00539	-0.14005	-0.08128	0.16443	-0.06669	0.03424	0.09474
183	csectey	31	-0.00539	-0.07050	-0.04801	0.24003	-0.06669	0.01207	-0.06151
190	ceckeey	30	-0.00539	-0.09630	-0.11253	0.12068	-0.03336	0.15508	-0.02818
197	lkedy	29	-0.00539	-0.19285	-0.11253	0.06206	-0.06669	0.37692	-0.06151

205	ceectey	28	-0.00539	-0.15344	-0.11253	0.42782	-0.06669	-0.02826	-0.06151
212	dceedy	27	-0.00539	-0.11773	-0.07681	0.17782	-0.06669	0.07889	0.00992
222	ldy	25	-0.00539	-0.02707	-0.07406	0.20529	-0.06669	-0.00902	-0.02305
231	ceety	24	-0.00539	0.14370	0.04747	0.02068	-0.02669	-0.11826	-0.06151
243	ceeeky	23	-0.00539	-0.04630	0.05414	0.23734	-0.06669	-0.11159	-0.06151
267	kceedy	21	-0.00539	-0.15344	-0.11253	0.01115	-0.06669	0.34079	-0.01389
279	teey	20	-0.00539	-0.14630	0.03747	0.12068	-0.06669	0.12174	-0.06151
279	cseectey	20	-0.00539	-0.19630	-0.06253	0.52068	-0.06669	-0.12826	-0.06151
300	lcseey	18	-0.00539	-0.29630	-0.11253	0.20957	-0.06669	0.33286	-0.06151
300	lcedy	18	-0.00539	-0.18519	-0.11253	0.09845	-0.01114	0.22174	-0.00595
	a-Base ← y-Base								
300	daldy	18	-0.00539	-0.07408	0.05414	0.15401	0.04442	-0.16714	-0.00595
	[dlrsmg]								
64	r	92	-0.00539	0.06929	0.11328	0.01423	0.01933	-0.17073	-0.04001
171	cees	34	-0.00539	-0.15344	0.03033	0.13496	-0.00955	0.03603	-0.03294
254	ceed	22	-0.00539	-0.16587	-0.02557	0.08155	-0.06669	0.20001	-0.01803
279	dl	20	-0.00539	-0.09630	-0.01253	0.07068	-0.06669	0.02174	0.08849
293	cseed	19	-0.00539	-0.13841	-0.05989	0.03120	-0.06669	0.19543	0.04375

Table 18.19: Modifiers with Positive Rosette Section Affinity among the Top 300 Voynich Words

Rank	Word	Count	0	1	2	3	4	5	6
	y-Bases								
33	cedy	149	0.00141	0.09826	-0.03089	-0.02286	-0.05989	-0.00615	0.02012
35	cseeey	145	0.00146	-0.11137	-0.05773	0.06725	0.03605	0.05736	0.00698
109	csedy	51	-0.00539	0.06219	-0.01819	0.02822	-0.06669	-0.05184	0.05170
156	sy	38	-0.00539	0.25633	-0.08621	-0.02143	0.03857	-0.22562	0.04375
171	dcseedy	34	-0.00539	-0.10186	-0.11253	0.43179	-0.06669	-0.16714	0.02182
183	tceedy	31	-0.00539	-0.14005	-0.08128	0.16443	-0.06669	0.03424	0.09474
212	dceedy	27	-0.00539	-0.11773	-0.07681	0.17782	-0.06669	0.07889	0.00992
254	tceey	22	0.04006	0.24915	-0.11253	-0.08841	-0.02124	-0.09644	0.02940
293	kcedy	19	-0.00539	0.40370	-0.11253	-0.02932	-0.06669	-0.22826	0.03849
279	dl	20	-0.00539	-0.09630	-0.01253	0.07068	-0.06669	0.02174	0.08849
293	cseed	19	-0.00539	-0.13841	-0.05989	0.03120	-0.06669	0.19543	0.04375

Table 18.20: Modifiers with Positive Cosmological Affinity among the Top 300 Voynich Words

			Section						
Rank	Word	Count	0	1	2	3	4	5	6
	y-Base								
18	dy	257	-0.00539	0.23779	0.02763	0.01386	-0.00609	-0.23659	-0.03121
32	cey	150	0.00106	0.38757	0.00360	-0.12126	-0.03443	-0.20729	-0.02925
35	y	145	0.02146	0.20034	0.08210	-0.07865	-0.05327	-0.11047	-0.06151
89	ceeky	64	-0.00539	0.13447	0.05670	-0.02548	0.01023	-0.10902	-0.06151
131	keey	44	0.04006	-0.02357	0.00111	-0.08841	0.06967	0.06265	-0.06151
231	ceety	24	-0.00539	0.14370	0.04747	0.02068	-0.02669	-0.11826	-0.06151
243	tcey	23	-0.00539	0.45370	0.05414	-0.13766	-0.06669	-0.27826	-0.01984
243	ceeeky	23	-0.00539	-0.04630	0.05414	0.23734	-0.06669	-0.11159	-0.06151
279	teey	20	-0.00539	-0.14630	0.03747	0.12068	-0.06669	0.12174	-0.06151
	a-Base ← y-Base								
300	daldy	18	-0.00539	-0.07408	0.05414	0.15401	0.04442	-0.16714	-0.00595
	[dlrsmg]								
20	s	234	0.00281	0.36353	0.01042	-0.13014	0.03577	-0.22907	-0.05331
64	r	92	-0.00539	0.06929	0.11328	0.01423	0.01933	-0.17073	-0.04001
100	l	57	-0.00539	-0.10332	0.15063	-0.03897	-0.04915	0.09017	-0.04397
112	d	50	0.01422	0.25272	0.22081	-0.12050	-0.06669	-0.27826	-0.02229
171	cees	34	-0.00539	-0.15344	0.03033	0.13496	-0.00955	0.03603	-0.03294

Table 18.21: Non-Thematic Semantic Hierarchies of the 100 Most Common Verbs in English

Rank	Verb	Semantic Category	Rank	Verb	Semantic Category
1	be	Property Assignment	51	stand	Spatial
2	have	Possessional	52	lose	Possessional
3	do		53	pay	Monetary
4	say	Communication	54	meet	Spatial
5	go	Spatial	55	include	Composition
6	get	Possessional	56	continue	Temporal
7	make	Property Assignment	57	set	Spatial
8	know	Thought	58	learn	Thought
9	think	Thought	59	change	Property Assignment
10	take	Possessional	60	lead	Temporal
11	see	Sensory	61	understand	Thought
12	come	Spatial	62	watch	Sensory
13	want	Possessional	63	follow	Temporal
14	look	Sensory	64	stop	Temporal
15	use	Instrumental	65	create	Composition
16	find	Spatial	66	speak	Communication
17	give	Possessional	67	read	Communication
18	tell	Communication	68	allow	Volitional
19	work	Labor	69	add	Composition
20	call	Communication	70	spend	Monetary
21	try	Volitional	71	grow	Property Assignment, Flora
22	ask	Interrogative	72	open	Spatial
23	need	Possessional	73	walk	Spatial
24	feel	Sensory	74	win	Possessional
25	become	Property Assignment	75	offer	Possessional
26	leave	Spatial	76	remember	Thought
27	put	Spatial	77	love	Attitude

28	mean	Thought	78	consider	Thought
29	keep	Possessional	79	appear	Sensory
30	let	Volitional	80	buy	Monetary
31	begin	Temporal	81	wait	Temporal
32	seem	Property Assignment	82	serve	Possessional
33	help	Volitional	83	die	Organic
34	talk	Communication	84	send	Spatial
35	turn	Spatial, Property Assignment	85	expect	Temporal
36	start	Temporal	86	build	Composition
37	show	Communication	87	stay	Spatial
38	hear	Sensory	88	fall	Spatial
39	play	Labor	89	cut	Composition
40	run	Spatial	90	reach	Spatial
41	move	Spatial	91	kill	Organic
42	like	Attitude	92	remain	Spatial
43	live	Organic	93	suggest	Communication
44	believe	Thought	94	raise	Spatial
45	hold	Spatial	95	pass	Spatial
46	bring	Spatial	96	sell	Monetary
47	happen	Temporal	97	require	Composition
48	write	Communication	98	report	Communication
49	provide	Possessional	99	decide	Thought
50	sit	Spatial	100	pull	Spatial

Table 18.22: Thematic Verbs in the Top 300 of *Materia Medica*

Rank	Word	Count	Category
16	taken	924	Medicinal
20	drink	767	Alimentary, Medicinal
21	leaves	761	Flora
34	water	524	Liquid, Balneological, Flora
35	applied	513	Medicinal
48	seed	353	Flora
49	grows	348	Flora
51	pounded	333	Spagyrics
64	oil	251	Alimentary, Medicinal
67	rubbed	249	Medicinal
69	stomach	246	Anatomical
83	stalk	205	Flora
88	given	198	Possessional
90	take	192	Medicinal
94	eaten	176	Alimentary
103	fruit	166	Flora
105	smell	164	Sensory
106	taste	163	Sensory
135	head	127	Anatomical
139	stops	125	Spatio-Temporal
141	flower	124	Flora
154	salt	116	Alimentary, Medicinal, Spagyrics, Mineral
158	warming	113	Temperature
170	milk	104	Alimentary, Fauna
175	pour	99	Liquid
184	dissolves	91	Medicinal, Spagyrics
185	heals	89	Medicinal
190	skin	87	Medicinal
191	expels	86	Medicinal
193	cleans	85	Balneological
204	takes	83	Medicinal, Spatio-Temporal
206	causes	82	Medicinal
208	wounds	81	Pathology
224	troubled	75	Pathology, Utilitarian
229	bites	72	Fauna, Medicinal, Pathology
232	coughs	71	Pathology
244	growing	69	Flora
256	boil	66	Pathology, Spagyrics
274	wax	62	Material
282	fire	61	Material
291	soothes	60	Medicinal
297	bruised	58	Pathology
297	burns	58	Spagyrics, Balneological, Pathological
303	mix	57	Spagyrics
308	gathered	55	Possessional, Flora
311	griping	54	Pathology
311	broken	54	Pathology, Utilitarian, Labor
311	pitch	54	Material
314	ground	53	Spagyrics, Mineral
	Intersecting Modifiers		
45	boiled	383	Alimentary, Medicinal, Spagyrics
60	mixed	281	Spagyrics
120	dried	148	Spagyrics
127	dry	140	Balneological
132	bitten	134	Alimentary, Fauna
149	smeared	118	Medicinal
224	burning	75	Spagyrics
232	washed	71	Balneological

Table 18.23: Thematic Verbs in the Top 300 of the Spagyrics Reference

Rank	Word	Count	Category
38	plant	62	Flora
80	work	32	Labor
93	added	28	Mensural
100	extracted	26	Spagyrics
134	extract	20	Spagyrics
147	pour	18	Liquid
147	process	18	Spagyrics
154	obtained	17	Possessional
166	calcined	16	Spagyrics
166	know	16	Thought
166	distill	16	Spagyrics
176	contains	15	Location
211	described	13	Communication
211	contain	13	Location
226	distilling	12	Spagyrics
226	rest	12	Medicinal, Spatio-Temporal (Quantifier too)
270	add	10	Mensural
270	experience	10	Thought
298	given	9	Possessional
298	dissolve	9	Spagyrics
298	begin	9	Spatio-Temporal
298	stand	9	Spatio-Temporal
298	remains	9	Composition, Spatio-Temporal
326	brought	8	Possessional
326	keep	8	Possessional
326	prepare	8	Spagyrics
326	sense	8	Sensory
Intersecting Modifiers			
38	distilled	62	Spagyrics
52	prepared	43	Spagyrics
176	filtered	15	Liquid
176	separated	15	Spagyrics
196	following	14	Spatio-Temporal
211	poured	13	Liquid
226	separate	12	Composition
226	fractionating	12	Spagyrics
246	repeated	11	Temporal
298	closed	9	Spatio-Temporal
298	remaining	9	Mensural, Spatio-Temporal
326	rectified	8	Mensural, Labor, Composition
326	incinerated	8	Spagyrics

Table 18.24: Thematic Verbs in the Top 300 of *Vitruvius Pollio*

Rank	Word	Word Count	Category
38	placed	3	Spatio-Temporal
66	constructed	2	Balneological - Room
66	built	2	Composition
66	spread	2	Spatio-Temporal
66	laid	2	Spatio-Temporal
66	sweating	2	Balneological
66	follows	2	Spatio-Temporal (also an Adposition)
66	adjoin	2	Spatio-Temporal (also an Adposition)
66	support	2	Composition, Utilitarian
106	doubled	1	Mensural (and a number)
106	circulate	1	Spagyrics
106	prevents	1	Spatio-Temporal
106	raising	1	Spatio-Temporal
106	replaced	1	Composition
106	obstruct	1	Spatio-Temporal
106	force	1	Mensural, Sensory, Shape
106	serve	1	Possessional, Occult
106	supplied	1	Possessional
106	thrown	1	Spatio-Temporal
106	hang	1	Spatio-Temporal
106	see	1	Sensory
106	stand	1	Spatio-Temporal
106	standing	1	Spatio-Temporal
106	stop	1	Spatio-Temporal
106	spoil	1	Alimentary, Spagyrics
106	depend	1	Composition
106	ing	1	Balneological
106	fail	1	Pathology, Utilitarian
106	ground	1	Spagyrics, Mineral
106	light	1	Color, Spagyrics, Balneological
106	cushion	1	Furniture
106	cover	1	Spatio-Temporal
106	work	1	Labor
106	flows	1	Balneological
106	step	1	Composition, Location - Motion, Personal
	Intersecting Modifiers		
106	close	1	Spatio-Temporal
106	plastered	1	Spagyrics, Medicinal, Balneological

106	polished	1	Texture
106	selected	1	Composition
106	pounded	1	Spagyrics
106	lighted	1	Spagyrics, Balneological
106	heated	1	Balneological
106	daubed	1	Balneological

Table 18.25: Thematic Verbs in the Top 300 of *The Picatrix*

Rank	Word	Word Count	Category
40	rules	80	Cosmological
53	ask	68	Interrogative
66	sacrifice	54	Cosmological
86	take	41	Medicinal
90	mentioned	39	Communication
108	grant	32	Cosmological
115	desire	31	Attitude
131	love	28	Aphrodisiacs
139	request	26	Interrogative
143	tastes	25	Sensory
147	bring	24	Possessional
153	needs	23	Attitude, Composition
173	bow	20	Cosmological
173	invoke	20	Cosmological
173	requires	20	Composition
187	eat	19	Alimentary
187	wish	19	Utilitarian
187	glue	19	Material
203	mix	18	Spagyrics
203	hold	18	Possessional
218	keep	17	Possessional
218	see	17	Sensory
218	invoking	17	Occult
218	ground	17	Spagyrics, Mineral
232	add	16	Mensural
232	repeat	16	Spatio-Temporal
244	draw	15	Possessional
244	taking	15	Possessional, Medicinal
244	harm	15	Occult
262	grind	14	Spagyrics
262	master	14	Occult
276	requests	13	Interrogative
293	burn	12	Spagyrics
293	obey	12	Occult
293	know	12	Thought
293	answer	12	Communication
293	taste	12	Sensory
293	descending	12	Spatio-Temporal (also an adposition)

Table 18.26: Herbal-Positive Verbs among the Top 300 Voynich Words

			Section						
Rank	Word	#	0	1	2	3	4	5	6
	a-Base								
1	daiin	835	0.00277	0.25381	-0.05425	-0.08026	0.04753	-0.13723	-0.03237
10	dar	316	0.00084	0.06195	0.02455	0.03563	-0.00127	-0.14741	0.02572
22	dain	208	0.01853	0.11518	-0.09339	0.03599	-0.00449	-0.02467	-0.04716
37	saiin	142	-0.00539	0.00925	-0.05697	0.10540	0.00275	-0.02131	-0.03373
54	dair	105	0.00404	0.01502	0.09502	-0.15102	0.02765	-0.00467	0.01396
62	dam	95	-0.00539	0.20885	0.00088	-0.09685	0.04671	-0.16485	0.01065
86	cear	65	-0.00539	0.10950	0.03240	-0.10686	-0.06669	0.09856	-0.06151
86	kaiin	65	0.02538	0.07293	-0.09714	-0.08702	-0.06669	0.13713	0.01541
115	kar	49	-0.00539	0.08831	-0.03560	-0.06394	-0.06669	0.06790	0.01541
131	ceaiin	44	-0.00539	0.50370	-0.09030	-0.17932	-0.06669	-0.12270	-0.03929
143	taiin	41	-0.00539	0.08465	-0.01729	-0.10789	-0.04288	0.07889	0.00992
231	dary	24	-0.00539	0.07870	0.13747	-0.01266	-0.02503	-0.11159	-0.06151
243	daiir	23	-0.00539	0.03703	0.38747	-0.17932	-0.02503	-0.19492	-0.01984
254	daiiin	22	-0.00539	0.06733	0.02384	-0.13387	0.02422	-0.05098	0.07485
267	dan	21	0.09461	0.40370	-0.06253	-0.17932	0.03331	-0.27826	-0.01151
279	cseaiin	20	0.04461	0.35370	-0.11253	-0.17932	-0.06669	0.02174	-0.06151
279	ctear	20	0.14461	0.45370	-0.11253	-0.12932	-0.06669	-0.22826	-0.06151
293	ceam	19	-0.00539	0.25370	0.13747	-0.07932	-0.06669	-0.17826	-0.06151
300	cedal	18	-0.00539	0.03703	-0.11253	-0.17932	-0.06669	0.11063	0.21627
300	ceain	18	-0.00539	0.25925	-0.11253	-0.12377	-0.06669	0.11063	-0.06151

Table 18.27: Verbs with Positive Pharmacological Affinity among the Top 300 Voynich Words

				Section					
Rank	Word	Count		0	1	2	3	4	5
	a-Base								
1	daiin	835	0.00277	0.25381	-0.05425	-0.08026	0.04753	-0.13723	-0.03237
19	dal	240	0.00261	-0.03630	0.09147	0.08468	0.04131	-0.17026	-0.01351
37	saiin	142	-0.00539	0.00925	-0.05697	0.10540	0.00275	-0.02131	-0.03373
54	dair	105	0.00404	0.01502	0.09502	-0.15102	0.02765	-0.00467	0.01396
62	dam	95	-0.00539	0.20885	0.00088	-0.09685	0.04671	-0.16485	0.01065
67	ain	87	-0.00539	-0.17130	-0.10116	0.01386	0.00149	0.25584	0.00667
73	sar	81	-0.00539	-0.12763	0.09229	0.03754	0.00560	-0.03729	0.03488
104	sal	55	-0.00539	-0.05994	0.01475	0.20250	0.04240	-0.15098	-0.04333

122	ceear	47	0.01422	-0.02179	-0.01449	-0.08128	0.03135	0.07469	-0.00269
254	daiiin	22	-0.00539	0.06733	0.02384	-0.13387	0.02422	-0.05098	0.07485
267	dan	21	0.09461	0.40370	-0.06253	-0.17932	0.03331	-0.27826	-0.01151
	a-Base ← y-Base								
300	daldy	18	-0.00539	-0.07408	0.05414	0.15401	0.04442	-0.16714	-0.00595

Table 18.28: Verbs with Positive Balneological Affinity among the Top 300 Voynich Words

			Section						
Rank	**Word**	**Count**	**0**	**1**	**2**	**3**	**4**	**5**	**6**
	a-Base								
10	dar	316	0.00084	0.06195	0.02455	0.03563	-0.00127	-0.14741	0.02572
19	dal	240	0.00261	-0.03630	0.09147	0.08468	0.04131	-0.17026	-0.01351
22	dain	208	0.01853	0.11518	-0.09339	0.03599	-0.00449	-0.02467	-0.04716
37	saiin	142	-0.00539	0.00925	-0.05697	0.10540	0.00275	-0.02131	-0.03373
67	ain	87	-0.00539	-0.17130	-0.10116	0.01386	0.00149	0.25584	0.00667
73	sar	81	-0.00539	-0.12763	0.09229	0.03754	0.00560	-0.03729	0.03488
79	raiin	72	-0.00539	-0.22964	-0.07253	0.03401	-0.01336	0.32174	-0.03484
84	sain	67	-0.00539	-0.23748	-0.09782	0.24715	-0.02258	0.11880	-0.00269
104	sal	55	-0.00539	-0.05994	0.01475	0.20250	0.04240	-0.15098	-0.04333
122	kain	47	-0.00539	-0.15047	-0.11253	0.17484	-0.06669	0.15924	0.00099
190	csear	30	0.02491	-0.05388	-0.02162	0.03280	-0.03639	0.02478	0.02940
190	daly	30	-0.00539	-0.07050	0.24231	0.11100	-0.00218	-0.24600	-0.02925
205	ceeal	28	-0.00539	-0.22964	0.05414	0.02068	-0.03336	0.25508	-0.06151
216	rain	26	-0.00539	-0.29630	-0.07406	0.05145	-0.06669	0.45251	-0.06151
254	kal	22	-0.00539	-0.07891	0.01791	0.08155	-0.06669	0.06957	-0.01803
254	rar	22	-0.00539	-0.29630	0.06929	0.04795	-0.02124	0.22174	-0.01606
267	cseear	21	0.04223	-0.15344	-0.01729	0.05877	-0.01907	0.15032	-0.06151
	a-Base ← y-Base								
300	daldy	18	-0.00539	-0.07408	0.05414	0.15401	0.04442	-0.16714	-0.00595

Table 18.29: Verbs with Positive Rosette Section Affinity among the Top 300 Voynich Words

Rank	**Word**	**Count**	**0**	**1**	**2**	**3**	**4**	**5**	**6**
	a-Bases								
4	aiin	467	-0.00539	-0.07337	0.00212	-0.11138	-0.00088	0.13576	0.05314
8	ar	354	-0.00265	-0.10452	0.11761	-0.12179	-0.05847	0.11353	0.05630
10	dar	316	0.00084	0.06195	0.02455	0.03563	-0.00127	-0.14741	0.02572
16	al	259	-0.00539	-0.20984	0.10176	-0.09286	-0.03662	0.23678	0.00616
54	dair	105	0.00404	0.01502	0.09502	-0.15102	0.02765	-0.00467	0.01396
62	dam	95	-0.00539	0.20885	0.00088	-0.09685	0.04671	-0.16485	0.01065
67	ain	87	-0.00539	-0.17130	-0.10116	0.01386	0.00149	0.25584	0.00667
72	am	82	-0.00539	-0.07011	0.08985	-0.14361	-0.03098	0.07889	0.08135
73	sar	81	-0.00539	-0.12763	0.09229	0.03754	0.00560	-0.03729	0.03488
76	air	79	-0.00539	-0.15706	0.15330	-0.15401	-0.02872	0.13947	0.05241
86	kaiin	65	0.02538	0.07293	-0.09714	-0.08702	-0.06669	0.13713	0.01541
115	kar	49	-0.00539	0.08831	-0.03560	-0.06394	-0.06669	0.06790	0.01541
118	aiiin	48	-0.00539	-0.21297	-0.11253	-0.07516	-0.00419	0.15924	0.25099
118	lkaiin	48	-0.00539	-0.29630	-0.11253	-0.07728	-0.06669	0.53807	0.02012
122	kain	47	-0.00539	-0.15047	-0.11253	0.17484	-0.06669	0.15924	0.00099
135	tar	43	-0.00539	-0.00085	-0.06707	-0.04296	-0.06669	0.06265	0.12031
143	taiin	41	-0.00539	0.08465	-0.01729	-0.10789	-0.04288	0.07889	0.00992
180	ceedaiin	32	-0.00539	-0.20255	0.04372	-0.02307	-0.06669	0.25299	0.00099
190	csear	30	0.02491	-0.05388	-0.02162	0.03280	-0.03639	0.02478	0.02940
190	lkar	30	-0.00539	-0.29630	-0.11253	-0.01266	-0.06669	0.42174	0.07182
190	sair	30	-0.00539	-0.06297	0.05414	-0.07932	-0.00003	-0.01159	0.10516
205	ary	28	-0.00539	-0.18916	0.17319	-0.00075	-0.06669	0.00746	0.08135
222	aiir	25	-0.00539	-0.13630	0.12747	-0.17932	-0.06669	0.20174	0.05849
254	daiiin	22	-0.00539	0.06733	0.02384	-0.13387	0.02422	-0.05098	0.07485
267	cedar	21	-0.00539	-0.20106	-0.01729	-0.03647	-0.06669	0.19794	0.12897
300	cedal	18	-0.00539	0.03703	-0.11253	-0.17932	-0.06669	0.11063	0.21627

Table 18.30: Verbs with Positive Cosmological Affinity among the Top 300 Voynich Words

			Section						
Rank	Word	Count	0	1	2	3	4	5	6
	a-Base								
4	aiin	467	-0.00539	-0.07337	0.00212	-0.11138	-0.00088	0.13576	0.05314
8	ar	354	-0.00265	-0.10452	0.11761	-0.12179	-0.05847	0.11353	0.05630
10	dar	316	0.00084	0.06195	0.02455	0.03563	-0.00127	-0.14741	0.02572
16	al	259	-0.00539	-0.20984	0.10176	-0.09286	-0.03662	0.23678	0.00616
19	dal	240	0.00261	-0.03630	0.09147	0.08468	0.04131	-0.17026	-0.01351
54	dair	105	0.00404	0.01502	0.09502	-0.15102	0.02765	-0.00467	0.01396
62	dam	95	-0.00539	0.20885	0.00088	-0.09685	0.04671	-0.16485	0.01065
72	am	82	-0.00539	-0.07011	0.08985	-0.14361	-0.03098	0.07889	0.08135
73	sar	81	-0.00539	-0.12763	0.09229	0.03754	0.00560	-0.03729	0.03488
76	air	79	-0.00539	-0.15706	0.15330	-0.15401	-0.02872	0.13947	0.05241
86	cear	65	-0.00539	0.10950	0.03240	-0.10686	-0.06669	0.09856	-0.06151
104	sal	55	-0.00539	-0.05994	0.01475	0.20250	0.04240	-0.15098	-0.04333
135	ceal	43	0.01589	-0.16864	0.14279	-0.03039	-0.06669	0.14728	-0.04023
180	ceedaiin	32	-0.00539	-0.20255	0.04372	-0.02307	-0.06669	0.25299	0.00099
190	sair	30	-0.00539	-0.06297	0.05414	-0.07932	-0.00003	-0.01159	0.10516
190	daly	30	-0.00539	-0.07050	0.24231	0.11100	-0.00218	-0.24600	-0.02925
197	aly	29	-0.00539	-0.19285	0.37023	-0.04139	-0.06669	-0.00239	-0.06151
205	ceeal	28	-0.00539	-0.22964	0.05414	0.02068	-0.03336	0.25508	-0.06151
205	ary	28	-0.00539	-0.18916	0.17319	-0.00075	-0.06669	0.00746	0.08135
222	aiir	25	-0.00539	-0.13630	0.12747	-0.17932	-0.06669	0.20174	0.05849

231	ceedal	24	-0.00539	-0.21297	0.01247	-0.09599	-0.06669	0.43008	-0.06151
231	dary	24	-0.00539	0.07870	0.13747	-0.01266	-0.02503	-0.11159	-0.06151
243	daiir	23	-0.00539	0.03703	0.38747	-0.17932	-0.02503	-0.19492	-0.01984
254	kal	22	-0.00539	-0.07891	0.01791	0.08155	-0.06669	0.06957	-0.01803
254	daiiin	22	-0.00539	0.06733	0.02384	-0.13387	0.02422	-0.05098	0.07485
254	rar	22	-0.00539	-0.29630	0.06929	0.04795	-0.02124	0.22174	-0.01606
293	ceam	19	-0.00539	0.25370	0.13747	-0.07932	-0.06669	-0.17826	-0.06151
300	cseeal	18	-0.00539	-0.24075	0.16525	-0.01266	-0.06669	0.22174	-0.06151
	a-Base ← y-Base								
300	daldy	18	-0.00539	-0.07408	0.05414	0.15401	0.04442	-0.16714	-0.00595

Table 19.1: Voynich Plants with Non-Zero Identification Scores at the End of the Project

Plant Name	ID Score	Former Names	Possible Duplicate Figure Matches	Planets
f1v Nightshade/Belladonna	1		f102r1 #4	Mars, Saturn
f2r Centaurea Benedicta/Cyanus/Diffusa	1	Diffuse Knapweed		Saturn
f2v Nymphoides/Water Lily	1			Moon
f3r Sawtooth Spurge	1			Venus, Mars, Saturn, Moon
f3v Mugwort/Wormwood Subtype (not Vulgaris)	0.4			Mars, Saturn, Moon
f4r Rosemary Heather	1	Alpine Saxifrage		Venus
f4v Rampion	1			Mercury
f5r Winter Wolfsbane	1	Wolfsbane		Mars, Saturn
f5v Mallow	1			Venus
f6r Hawkweed/Hawksbeard	0.4			Saturn
f6v Ricin	1	f6v Sea Holly vs. Ricin		Venus (originally Saturn)
f7r Starflower	0.8		f99v #7?	Saturn, Moon
f7v Bitter/Blue Fleabane	0.8			Mars
f8r Libbard's Bane Candidate #1	1	Perfoliate Leaf		
f8v Comfrey	1		f101v1 #5?	Jupiter, Saturn
f9r European Holly	0.6			Mars
f9v Viola Tricolor (Pansy)	1			Jupiter, Saturn
f10r Chicory/Endive	1			Jupiter, Mercury
f10v Snakeshead (Fritillaria)	1	Twin Flower (Toxic?)	f99r #17?	
f11r Tetterwort/Greater Celandine	0.2			Sun
f11v Orpine/Orpin Root	0.6			Moon
f13r Rhubarb	0.8			Mars
f13v Honeysuckle	0.6		f100v #3	Mars
f14r Black Salsify or Viper's Grass	1			
f14v Wood Betony	0.6			Jupiter
f15r Sow Thistles	0.6			Venus, Mars
f15v Paris Quadrifolia	1	4-Leaf Yellow-White Baneberry	f99r #3?, f89v1 Line 1 #2?	Venus, Moon
f16r Hyssop (or Cannabis)	1			Jupiter, Saturn
f16v Devil in the Bush and Cobweb Houseleek	0.2			
f17r Aristolochia Lanceolata	0.6			Mars
f17v Smilax	0.6			Jupiter
f18r Helichrysum "Snake Rose"	0.8		f89r1 Line 2 #2?	Saturn
f18v "koldarod" Agrimony Candidate #1	0.8		f102r2 #8 "koldarod"	Jupiter, Moon
f19r Valerian Composite	0.8	Greek Valerian "losalody"	f102v1 #7	Sun, Mercury
f19v Nailwort/Hairy Forked Chickweed	0.6		f102r2 #6 or f101r1 #13	Jupiter, Moon, Mercury
f20r Viper's Bugloss	0.6			Jupiter, Sun
f20v Asphodeline	0.4			Mars
f21r Paper/Sun Spurge (Wartwort) or Rupturewort	0.6	Rowan; European Euphorbia - Sun/Paper Spurge		Mars, Saturn, Moon
f21v Dittany Disambiguation	0.4			Mars, Sun, Moon
f22r Crimson Clover	0.4			Moon, Mercury
f22v Peony Subspecies	0.2			Sun
f23r Agrimony Candidate #2	0.8		f102r2 #9	Jupiter, Moon
f23v Borage	1		f101v2 #7 (weak similarity)	Jupiter
f24r Silene Latifolia	1			Saturn
f24v Daylily (Hemerocallis)	0.8			Saturn
f25r Balm of Gilead "dair otaiir otosy"	0.2	Nut Tree		Venus
f25v Asp of Jerusalem (Woad)	1		f99v #1?	Mars, Saturn
f26r Black Alder	0.4	Thlaspi Arvense	f89r1 Line 3 #2?	Venus, Saturn
f26v Alder Relative	0.2	Thlaspi Species #2		Venus, Saturn
f27r #1 Bay Laurel	0.6			Sun
f27r #2 Hazelwort (aka Snakeroot) or Catsfoot	0.8			
f27v Myrtle Communis	0.8			Mercury
f28r Smearwort/Adder's Tongue Relative	1		f89v2 Line 1 #6?	Venus, Moon
f28v Citron Digitata	0.2			
f29r Aloe Species	0.6	Smearwort Relative #2		Saturn, Moon
f29v German Speedwell	0.6			Moon
f30r Lily of the Valley	0.6			Mercury
f30v Spindle or Dog's Mercury	0.6			
f31r Feverfew	0.6			Jupiter
f31v Disambiguation of Foxglove/Throatwort	0.6			Venus, Jupiter
f32r Basil	0.6			Mars, Jupiter
f32v (f102r2 #2) Tormentil	0.6	Morning Glory/Bindweed (Narcotic)	f102r2 #2	Saturn, Sun
f33r Henbane	0.6			Jupiter, Saturn
f34r Cowbane	0.6			Saturn
f34v Pomegranate	0.8			Venus
f35r Umbrella Liverwort	0.4	The Cup		Jupiter
f35v Maidenhair	1			Venus, Mercury
f36r Sycamore/Maple Composite	0.2			Moon
f36v Galium Aparine (Cleavers)	0.6			Venus, Saturn
f37r Danewort (Sambucus Ebulus)	0.4			Mars
f37v European Aspen	0.6		f102r1 #3	Venus, Mercury
f38r Rhinanthus - Alpine Rattlespot	0.2			
f38v Jovibarba	0.6			Jupiter
f39r Fumitory #1	0.6	f39r Flatbed	Relative of f95r2	Jupiter
f39v Carnation Type #1 or Morning Glory/Bindweed	0.2		f99v #10 on the furriness of the trunk?	Mars, Jupiter
f40r Carnation Type #2	0.2			Mars, Jupiter
f40v Vampirecup Infection of Colchicum	0.2	Brown/White Onion Bunches		
f41r Spikenard (not Ploughman's)	0.6			
f41v Apiaceae Umbelliferae	1		"keerodal"	
f42r #1 Sorrel and Wood Sorrel	1			Venus
f42r #2 Sorrel and Wood Sorrel	0.8			Venus

f42v European Columbine	0.6			Venus
f43r Creeping or Cursed Buttercup	0.4	f43r Flatbed		Mercury
f43v #1 Motherwort	0.6		f102v2 #14 (stretched out version?)	Sun
f43v #2 Snakeweed/Easter Ledges	0.6			Venus, Saturn
f44r Purslane	0.8			Moon
f44v Colocynth	0.2			
f45r Stinging Nettle	0.2			Mars
f45v Lavender	0.6	Clover Top		Jupiter, Sun, Mercury
f46r Flea Seed (Plantago/Plantain Composite)	0.2			Venus
f46v Greater Fleabane	1	Eagle Root		Mars
f47r Houseleek	0.6		f88r Line 1 #4???	Jupiter, Moon
f47v Lungwort	0.6		f102r2 #1?	Jupiter, Mercury
f48r Buttercup #1 "dairokoy" (Ranunculus #1)	0.6	Single White Corm	f89v2 Line #3 #12	Mercury
f48v Bulbous Buttercup (Ranunculus #2)	0.6	Double White Corm	f89v2 Line 1 #5	Mars, Saturn, Mercury
f49r Lesser Celandine (Ranunculus #3)	0.6	Lotus (Narcotic)		Sun
f49v Liverwort (Ranunculus #4)	0.4	The White Corm		Jupiter, Mercury
f50r Drosera Species	0.8			Sun
f50v Alpine Snowbell	0.6		f99r #4?	
f51r Phryne or German Madwort	0.4		f99r #13? f89r1 Line 3 #1?	Mars
f51v Juniper	1	Blue Baneberry Spatulate		Sun
f52r Pasqueflower	1			Mars, Sun
f52v Scorpion Weed/Tail (Heliotrope)	0.6			Sun
f54r Woundwort (Stachys)	0.8			Saturn
f55r Geranium/Herb Robert	0.6	Flatbed Smaller Hairy		Venus, Mars
f55v Turmeric or Clove	0.2			Venus, Mars, Jupiter
f56r Drosera Intermedia	0.8			Sun
f56v Figwort (Scrophularia)	0.2			Mars, Saturn, Sun
f57r Licebane vs. Blue Field Madder	0.5			Mars, Mercury
f65r Fennel, Celeriac or Sanicula	0.4	otaim dam alam		Sun, Mercury
f66v Houndstongue	0.6			Venus, Mercury
f87r Fleawort	0.8			Venus, Saturn
f87v #1 Primrose	1			Venus
f90r1 Scabious or Carthamus	0.4	possible Hellebore relative		Venus
f90r2 Pennywort Composite	0.2			
f90v2 Tansy or Hairy Fleabane	0.8			Mars
f90v1 Hedge Mustard	0.4	"The Lion"	f99v 16 4-Legged Animal?	
f93r Scabwort or Middle/Common Fleabane	0.8	The Sunflower		Venus, Mars, Sun, Mercury
f93v White/Red Bryony	0.8			Mars
f94r Moonwort	1			Mars, Mercury
f94v Orris Root	1			Mars, Saturn
f95r1 Bearberry	0.8			Moon
f95r2 Fumitory #2	0.8	f95r2 Flatbed	Relative of f39r	Venus
f95v2 Common Baneberry/Toadroot	1			Mars
f95v1 Hollyhock	1			Jupiter
f96r Black Hellebore	0.6			Saturn
f96v Black Bryony	1		f99r #27 in Canister #22 f99r	Venus
f87v #2 Lousewort	1			Mars
f88r Line 3 #2 Lupine?	0.6			Mars, Saturn
f99r #27 Black Bryony #2	1		f96v Black Bryony	
f99v #20 Bladderwort	0.6			
f100r #16 Mugwort Variety?	0.2			Venus
f100v #5 Viper's Tongue	0.8	Moonwort or Hand Fern/Dwarf Staghorn		
f102r2 #1 Lungwort	1		f47v Lungwort?	
f102r2 #2 Tormentil	1		f32v Tormentil	Mars
f102r2 #8 "koldarod" (Agrimony)	0.8		f18v "koldarod"	Mercury
f102r1 #1 Capparis Spinosa?	0.2			Saturn
f102r1 #2 Water Hemlock Dropwort (or Parsnips)	0.4	White Carrot-Like		Jupiter, Mercury
f102r1 #3 European Aspen	0.6		f37v Aspen	Saturn, Sun
f102r1 #4 Variety of Nightshade	1		f1v Nightshade (same family)	Jupiter, Moon
f102v2 #4 Blue Vitriol (Copper Sulfate)	1	Salt Cube		
f102v1 #2 "Syringes" Ipomoea indica?	0.2		Variety of Morning Glory???	
f102v1 #7 Valerian Composite	0.8		f19r Greek Valerian?	Sun, Mercury

Table 19.2: Parts Used of the Voynich Plants Tentatively Identified at an Earlier Stage in Version #29

Plant Name	Identification Score	Root	Rhizome	Leaves	Flower	Fruit	Seed	Stem	Liquid	Bark	Whole Plant
f1v Nightshade/Belladonna	1	√		√		√		√			
f2r Cornflower or Diffuse Knapweed	1	√		√	√		√				
f2v Nymphoides/Water Lily	1	√		√							
f3r Sawtooth Spurge	1								√		
f4r Alpine Saxifrage	1										
f4v Rampion	1	√									√
f5r Wolfsbane	1	√									
f5v Mallow	1			√	√						
f6v Sea Holly	1										
f7r Starflower	1	√		√	√			√			
f8r Libbard's Bane Candidate #1	1	√	√	√	√						
f8v Comfrey	1	√	√	√							
f9r European Holly?	0.5			√		√				√	
f9v Viola Tricolor (aka pansy)	1			√	√		√	√			√
f10r Chicory/Endive	1	√		√	√						
f10v Twin Flower	1			√							
f11v Orpine/Orpin Root	0.5	√		√							
f13v Honeysuckle?	0.5			√	√		√				
f14r Black Salsify or Viper's Grass	1	√		√	√			√			
f14v Wood Betony?	0.5			√	√			√			
f15r Sow Thistles?	0.5			√				√	√		
f15v Paris Quadrifolia	1	√		√		√	√		√		
f16r Cannabis	1			√			√				
f17v Like Red-Berried Moonseed	0.1	√									
f19r Valerian Composite?	0.5	√	√	√	√						
f19v Nailwort/Hairy Forked Chickweed	0.5										
f21r European Euphorbia - Sun/Paper Spurge	0.5								√		
f23v Borage	1			√	√		√				
f24r Silene Latifolia	1	√							√		
f25v Asp of Jerusalem (Woad)	1	√		√							
f28r Smearwort/Adder's Tongue Relative	1	√		√	√			√			
f29r Smearwort Relative #2	0.5	√		√	√			√			
f32r Basil?	0.5	√		√	√			√			
f32v Morning Glory/Bindweed	0.5	√	√								√
f33r Henbane?	0.5			√	√		√		√		
f34r Cowbane?	0.5	√									
f35v Maidenhair	1	√	√	√							
f42r Sorrel and Wood Sorrel	1	√		√	√	√					
f42v European Columbine?	0.5	√		√	√		√				
f45v Lavender?	0.5				√		√				
f47r Houseleek?	0.5			√					√		
f47v Lungwort?	0.5	√		√	√			√			
f49r Lotus	1	√		√	√		√				
f52r Pasqueflower	1			√	√			√			√
f52v Heliotrope or Mandrake?	0.3	√		√	√						
f55r Geranium/Herb Robert?	0.5			√	√			√			
f57r Licebane/Blue Field Madder	1	√		√							
f87v #1 Lousewort	1	√		√	√			√			√
f87v #2 Primrose	1	√		√	√				√		
f94r Moonwort	1			√							
f95v2 Common Baneberry/Toadroot	1	√				√			√		
f95v1 Hollyhock	1			√							
f96v Black Bryony	1	√				√			√		

Table 19.3: Correlations of Page/Plant Part Usage with Probability Differences of c | cs | c[fptk] + e^{1-4}o[dlrsmg | y]

	Root	Rhizome	Leaves	Flower	Fruit	Seed	Stem	Sap/Juice/Tea	Bark	Whole Plant
ceol	-0.060	0.140	0.123	-0.049	-0.046	-0.073	-0.070	-0.030	-0.001	-0.152
ceor	0.152	0.152	0.062	-0.074	0.080	0.099	-0.154	0.022	-0.055	**0.068**
ceos	0.187	-0.154	-0.169	-0.038	0.172	**-0.172**	-0.048	0.354	-0.044	**0.111**
ceod	0.296	-0.227	-0.104	-0.044	0.378	-0.132	0.192	0.044	0.004	**0.068**
ceom	-0.223	-0.131	-0.352	-0.112	-0.142	-0.135	-0.065	0.241	-0.042	**0.230**
ceog	-0.087	0.000	-0.059	0.116	-0.122	0.000	0.103	-0.000	0.158	-0.122
ceoy	**0.162**	-0.069	-0.140	-0.083	-0.147	-0.113	0.009	-0.069	-0.046	0.216
ceo	**0.296**	**0.104**	0.008	-0.054	-0.204	0.032	-0.084	-0.266	-0.078	0.047

Table 19.4: The Plant Part Hierarchy for Relevant Chapters of *Materia Medica*

Rank		Word	Section Set Count	%
3	1	it	2891	4.08622
3	2	leaf + leaves	641	0.90601
13	2	leaves	610	0.86219
19	3	root + roots	527	0.74488
19	3	drink (also a verb)	501	0.70813
21	4	root	438	0.61908
24	5	seed + seeds	369	0.52155
29	5	seed	325	0.45936
35	6	stalk + stalks	282	0.39858
36	6	wine	276	0.39011
38	7	flower + flowers	258	0.36466

38	7	honey	257	0.36325
42	8	decoction	240	0.33922
44	9	water	229	0.32367
47	10	Romans	225	0.31802
49	11	juice	214	0.30247
50	12	stalk	196	0.27703
56	13	herb + herbs	166	0.23463
57		flowers	155	0.21908
59		herb	154	0.21767
84		flower	103	0.14558
97		roots	89	0.12580
99		stalks	86	0.12155
		fruit + fruits	75	0.10601
117		fruit	72	0.10177
192		seeds	44	0.06219
		stem + stems	43	0.06077
255		stems	33	0.04664
276		leaf	31	0.04382
462		berries (no “berry”)	17	0.02403
595		herbs	12	0.01696
		plant + plants	12	0.01696
670		stem	10	0.01413
670		plant	10	0.01413
1499		fruits	3	0.00424
1853		plants	2	0.00283
-		berry	0	0

Table 19.5: The Plant Part Hierarchy for Relevant Chapters of *Materia Medica*, Sans High-Incidence Connectives

Rank	Noun Rank	Word	Section Set Count	%
1	1	it	2891	6.36056
3	2	leaf + leaves	641	1.41028
3	2	leaves	610	1.34208
19	3	root + roots	527	1.15946
6	3	drink	501	1.10226
7	4	root	438	0.96365
24	5	seed + seeds	369	0.81185
12	5	seed	325	0.71504
35	6	stalk + stalks	282	0.62043
38	7	flower + flowers	258	0.56763
17	6	decoction	240	0.52803
19	7	water	229	0.50383
21	8	Romans	225	0.49503
23	9	juice	214	0.47083
24	10	stalk	196	0.43122
56	12	herb + herbs	166	0.36522
30	11	flowers	155	0.34102
32	12	herb	154	0.33882
56	13	flower	103	0.22661
69	14	roots	89	0.19581
	13	fruit + fruits	75	0.16501
71		stalks	86	0.18921
89		fruit	72	0.15841
164		seeds	44	0.09681
		stem + stems	43	0.0946
227		stems	33	0.07260
248		leaf	31	0.06820
434		berries (no “berry”)	17	0.03740
567		herbs	12	0.02640
		plant + plants	12	0.02640
642		stem	10	0.02200
642		plant	10	0.02200
1471		fruits	3	0.00660
1825		plants	2	0.00440
-		berry	0	0

Table 19.6: Imbalances between [fptk | dlrsmg] + c | c[s | fptk] + e^{1-4}o + [dlr] + y in the Pharmacological Section

	-l	-l + cs	-l - cs	-r	-r + cs	-s	-s + cs	[rs] - cs	-d and -dy	-d and –dy + cs	-d and –dy - cs
f88r	19	2	17	9	1	1		9	2		2
f88v	3	1	2	10	3	2		9	8	1	7
f89r1 Corms, Tubers, etc. Mostly Leafless	11	2	9	1		2	1	2	8	1	7
f89r2 Corms, Tubers, etc. Mostly Leafless	14	5	9	10	2	3		11	4	1	3
f89v2 Corms, Tubers, etc. Mostly Leafless	4	2	2	5		5	2	8	4	1	3
f89v1 Corms, Tubers, etc. Mostly Leafless	7	2	5	6	2	2	2	4	7	1	6
f99r Black Bryony + Other Roots, Corms, Tubers	18	6	12	7	1	0		6	4		4
f99v Bladderwort + Other Prominent Roots	8	1	7	1		0		1	2	1	1
f100r Leaf Cuttings?	20	4	16	8	3	2	1	6	2	1	1
f100v Recipe Including Viper's Tongue	4	0	4	3		1		4	3		3
f101r1 Mix of White, Blue, Upturned Leaves; Some Flowers, Crenates etc	22	6	16	7	4	1		4	3	2	1
f101v2 Spanning Page (most unlabeled)	13	3	10	7		0		7	4	1	3

f102r1 Musculo-Skeletal Meds (or Sinister Cosmetics)	5	1	4	0		1		1	2		2
f102r2 Tormentil-Lungwort-Agrimony (Burn Remedies?)	6		6	1		0		1	4	1	3
f102v2 Leaf Cuttings?	4	1	3	9	3	5		11	3	2	1
f102v1 Valerian + Other Prominent Roots, Trunks	10	1	9	4		0		4	5	2	3

Table 19.7: Representation for the 13 Plant Part Usage Properties and 6 Supersets

Property Name	Cumulative Identification Index	%	Axis
Whole Plant	11.80000	0.12460	-o
Leaf	60.80000	0.64203	-l
Flower	36.40000	0.38437	-l and –d, -dy
Dried Herb	17.20000	0.18163	–d, -dy
Fruit	14.20000	0.14995	-dy
Stem	8.60000	0.09081	-d?
Flower-Stem Superset	37.40000	0.39493	-d?
Flower-Fruit Superset	44.40000	0.46885	-l and –d, -dy
Fruit-Seed Superset	30.10000	0.31785	-
Root	40.80000	0.43083	-r
Seed	19.10000	0.20169	-s
Seed-Rhizome Superset	27.90000	0.29461	-s?
Rhizome	8.80000	0.09293	-s?
Sap	6.40000	0.06758	-m
Juice	30.60000	0.32313	
Oil	22.30000	0.23548	
Oil-Sap-Juice Superset	43.50000	0.45935	
Oil-Sap Superset	24.10000	0.25449	
Bark	4.40000	0.04646	-g?

Table 19.8: Leading Categories for the 12 Plant Part Usage Properties and 6 Supersets

Category	Word Count	Distinct Word Count	Section Word Count 1
[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	49	258
[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	160	1166
[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	69	232
[fptk | dlrsmg] + c | c[s | fptk] + e4od	68	21	32
[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	45	191
[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	51	573
[fptk | dlrsmg] + c | c[s | fptk] + e4oly	44	16	18
[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	12	36
[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	41	451
[fptk | dlrsmg] + c | c[s | fptk] + e4ory	28	6	21
[fptk | dlrsmg] + c | c[s | fptk] + e4os	158	30	69
[fptk | dlrsmg] + c | c[s | fptk] + e4osy	2	2	2
[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	87	754
[fptk] + c | c[s | fptk] + e4o	51	13	34
om	203	75	101
om + o[fptk | dlrsmg]am	454	157	183
ceam nouns	15	10	7
ceam variants	76	32	32
ceam verbs	61	22	25

Table 20.1: All Final Word Categories Potentially Imbued with Semantic Meaning, by Document Share

Rank	Category	Distinct #	Document #	Rank	Category	Distinct #	Document #	Rank	Category	Distinct #	Document #
1	ed[yoa]	940	5851	180	om	75	203	359	[yo]doi0-4[lr]	29	45
2	edy	538	4981	181	[yo][fp]a	94	200	360	otc + e4o	15	44
3	[dlrsmg | fptk] + ai4[dlrsmg | n]	87	3168	181	or[yo]	103	200	360	[yo][fp]y	22	44
4	c + e4dy	387	3053	183	cectey relatives	24	197	360	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	16	44
5	[yo][fptk][ao][lr]	445	2688	184	[fptk] + c | c[s | fptk] + e4dy	19	196	363	cean nouns	33	43
6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	160	2246	184	o[dlrs]ce4y Superset	90	196	364	[yo][fptk]ce4d	21	42
7	[fptk | dlrsmg] + c | c[s | fptk] + e4y	87	2060	186	odai0-4r	82	193	364	opal variants	15	42
8	o[tk]e0-4y	172	2042	187	eka	72	191	366	de-Initial	29	41
9	y-initial	569	1926	187	[fptk]ai4n	9	191	366	Prefixed Versions of c | c[s | fptk] + e4dy	13	41
10	[q | fptk | dlrsmg] + oi0-4[lr]	29	1819	189	[fptk]ai4[lr]	14	190	368	o + c | cs + e4or	31	40
11	a-axis of [yo][fptk][ao][lr]	218	1731	189	[dlrsmg] + ai4r	10	190	368	o[fptk]edal	14	40
12	[dlrsmg | fptk] + ai4n	24	1724	189	dairol/soral relatives	113	190	368	yd[ao]i0-4n	11	40
13	c[fptk]e4o-initial & c[fptk]e4y Superclass	335	1659	192	cedaiin variants	64	189	368	ydai0-4n	11	40
14	c + c[s | fptk]e4y	26	1624	193	c | cs + e0-4s	68	188	372	[yo]cp	29	38
15	o[fptk]ai4n	91	1598	193	okce0-4dy	15	188	372	yc + e4o	8	38
16	ai4[dlrsmg | n]	21	1519	195	cte4y	4	186	372	eko	25	38
17	[dlrsmg | fptk] + ai4[dlrsmg]	63	1444	195	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	38	186	372	ceal nouns	30	38
17	o[fptk]e4dy	56	1444	195	et[yoa]	90	186	372	od[fptk | dlrsmg]	32	38
19	o[fptk]c + e0-4 + y | dy | o[dlrs]y	290	1421	198	o[fptk][ao]d	81	185	372	o[fptk]d	31	38
20	c | c[s | fptk] + e4dy	35	1395	199	o[fptk]eda[lrsm | n]	87	184	378	c[fptk]e4dy	6	37
21	oke0-4y	102	1314	200	[sr]c-Initial	94	179	378	[yo]d[ao]i0-4m	25	37
22	y[fptk]-initial	361	1295	200	ko	79	179	378	x	29	37
23	[yo]dy endings	282	1228	202	cedar variants	65	176	381	yodai0-4m	24	36
24	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	51	1227	203	olo	97	175	381	ady	25	36
25	ea	465	1195	204	[yo]ce4y + s infixes	66	172	381	Suspected Errata/Difficult to Categorize	32	36
26	dai4n	4	1140	204	otce0-4dy	19	172	384	a[lr]o Endings	23	35
27	oi4[dlrsmg | n]	13	1124	204	cke4[yo]	31	172	384	[yo]fai0-4[rn]	23	35
28	[yo]kai0-4n	49	1067	207	ce0-4s	43	165	386	yc[s | fptk]e4y	11	34
29	o[lr][yoa]	450	1044	207	[yo]d[ao]i0-4l	91	165	386	od[ao]i0-4m	23	34
30	[dlrsmg] + ai4[lr] + y-suffix	20	1035	209	ocke4y	38	162	386	yc + e4ol	7	34
31	ce4a	350	1009	210	[fptk]e0-4y	9	161	386	yc + e4or	5	34
32	okai0-4n	35	994	211	ce4o	4	160	386	ope0-4y	14	34
33	oke4dy	35	933	212	opce0-4dy	17	159	386	odcey relatives	29	34
34	ai4[dlrsmg]	14	930	212	o[fptk]c + e0-4ol	40	159	386	[fptk][dlrs] Prefixes	27	34

35	[yo][fptk]e4o[dlrsmg]	210	924	214	[fptk | dlrsmg] + c | c[s | fptk] + e4os	30	158	386	osai0-4n	17	34
36	c[s | fptk]e4y	21	887	215	od[ao]i0-4l	82	154	386	ol + c | cs + e4o[lr]	18	34
37	[yo]d[ao]i0-4[lrm | n]	338	880	216	[dlrsmg]ai4m	7	149	395	[fptk | dlrs] prefixes to daiin	18	33
38	[dlrsmg]ai4[lr]	18	875	216	[yo]e0-4[fp]e0-4[yo]	97	149	395	ef[yoa]	33	33
39	oda	320	847	216	[yo]te4od	41	149	395	odai0-4m	22	33
40	[ao][lr][ao][lr] Pipe/Flow	440	843	219	yodai0-4l	75	143	395	[yo]py	13	33
41	ol[dtk]	340	842	220	ece Noun	93	142	399	ofce0-4dy	12	32
42	yodai0-4[lrm | n]	306	832	221	oy	77	141	399	c[fptk]e4o	8	32
43	od[ao]i0-4[lrm | n]	309	813	221	[yo]pa	57	141	401	[yo]te4or	9	31
44	[dlrsmg | fptk] + oi4[dlrsmg | n]	55	809	223	olcey relatives (non -edy)	47	138	401	c + e4 + [fptk] Nouns	26	31
45	eda	341	784	224	ke4o	40	137	401	opc + e4ol	11	31
46	ai4[lr]	6	782	225	o[fptk]c + e0-4or	34	135	401	[yo]e0-4do + e4|i4 + [drn] & cedody	21	31
47	odai0-4[lrm | n]	279	767	225	orai0-4n	40	135	405	ocse4y	17	30
48	o-axis of [yo][fptk][ao][lr]	135	764	227	oo + oe4o	99	133	405	okc + e4ody	11	30
49	ce4dy	8	755	227	odai0-4l	67	133	405	[rs][fptk | l]	27	30
50	o[fptk]c + e0-4y	144	753	229	oc[fpt]e4y	52	132	405	cedam variants	12	30
51	ce4y	5	737	229	g	87	132	409	ycse4y	8	29
52	[dlrsmg | fptk]e0-4y	37	735	231	dai4m	4	130	409	opai0-4n	8	29
52	o[lr][oa]	337	735	231	[yo]te4o[lr]	33	130	409	otc + e4ody	11	29
54	[fptk | dlrsmg] + c | c[s | fptk] + e4or	41	733	233	[yo][fptk]e4or	28	127	412	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	6	28
55	ote0-4y	73	731	233	cedal variants	54	127	412	o[tk][lr]	16	28
56	[tk]c-Initial	212	667	235	olai0-4n	37	126	414	[fptk | dlrs] prefixes to dar	16	27
57	oe0-4s	271	632	236	okor variants	26	122	414	ce4g	21	27
58	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	83	623	237	Consonant Clusters	35	115	414	cpe4y	4	27
59	c[s | fptk]e4dy	9	622	237	rai4n	3	115	417	opai0-4n	6	26
60	ol[tk]	234	621	237	et[yo]	45	115	417	orcey relatives	17	26
61	ol[yoa]	259	614	240	[yo][fptk | dlrsmg] + c | cs + e4o	47	113	417	a[fptk]y	23	26
62	ai4n	7	589	240	[yo]ce4y	41	113	417	cfe4[yo]	12	26
63	cse4dy	3	585	240	otor variants	19	113	417	o + c | cs + e4o	21	26
64	[yo]ke4o[dlrsmg]	123	584	243	[yo][fp]ai0-4[rn]	47	111	422	olf	21	25
65	o[lr][yo]	268	583	243	opce0-4y	25	111	422	b	24	25
66	cse4y	9	578	245	[yo]c + e4dy	45	110	422	opor variants	10	25
67	Single-Letter Words	20	566	246	ory	50	108	422	[yo]fo	21	25
68	okc + e0-4 + y | dy | o[dlrs]y	97	563	247	o[fptk]e4os	27	106	422	ofar variants	17	25
69	olk	187	557	248	aro[dlrsmg]	56	105	422	opol variants	15	25
70	o[fptk]c + e0-4dy	66	554	249	sc-initial	57	103	428	yd[ao]i0-4[lr]	16	24
71	okal variants	54	544	250	oro	61	102	428	[yo]doi0-4[ln]	18	24
72	cedai4[lrsm | n]	200	527	250	cse0-4s	43	102	428	odl	18	24
73	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	69	519	252	c-sequence + e4 + [fptk] + e4 + y	35	101	431	a[fptk]a	22	23
74	l[fptk] Prefixes	132	514	252	o[fptk]c + e0-4o	39	101	431	[yo]e4[fp]	23	23
75	ote4dy	19	509	254	c[fptk]c polygraph	62	99	431	ofce0-4y	13	23
76	[fptk | dlrsmg] + c | c[s | fptk] + e4o	49	503	254	[yo]te4ol	24	99	431	[yo]doi0-4r	13	23
77	okar variants	61	493	256	o[tk]e4s	33	98	435	[yo]doi0-4l	16	22
77	otc + e0-4 + y | dy | o[dlrs]y	91	493	257	[yo]ke4or	19	96	435	eto	15	22
79	[yo]tai0-4n	26	490	258	Detached Class Modifiers	59	95	435	ydai0-4[lr]	14	22
80	ai4r	4	483	258	l[drs] Prefixes	27	95	438	cecpey relatives	6	21
81	o[lr]a	190	469	258	[yo][fp]o	65	95	438	o[fptk]c + e4od	12	21
82	[yo]ce4y + infixed versions	156	466	261	cpe4[yo]	36	94	438	olp	16	21
83	oe	304	463	262	ols	51	93	441	[dlrsmg] + ai4m	3	20
84	lc-initial	100	457	262	cke4y	5	93	441	ocees relatives	17	20
85	dc-initial	136	454	262	ety	30	93	441	[fptk]ai4m	5	20
85	om + o[fptk | dlrsmg]am	157	454	265	a[dlrsmg]am	43	92	444	o[fptk | dlrsmg]e4g	16	19
85	lk-initial	96	454	266	a[dlrsmg]c	66	91	445	q-prefix exceptions	16	18
88	[dlrsmg]e0-4y	10	453	266	te4dy	17	91	445	c + e4 + [fptk]c Nouns	16	18
89	[yo]d[ao]i0-4n	121	450	268	oce4y + s infixes	49	90	447	dody	10	17
90	[yo][fptk]e4o[lr]	86	449	268	edo	64	90	448	yd[ao]i0-4[rm]	9	16
91	yodai0-4n	119	448	270	[yo]ke4o	13	89	448	otos variants	9	16
92	ek[yoa]	137	446	270	c | cs + e0-4d	26	89	448	otas variants	7	16
93	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	45	445	272	o + c | cs + e4o[lr]	59	88	448	opc + e4or	6	16
94	or[yoa]	198	438	272	[yo][fptk]e4o	11	88	448	[fptk | dlrs] prefixes to dal	12	16
95	otai0-4n	21	430	272	otod variants	35	88	448	c | cs + e0-4r	9	16
96	[fptk]ai4[dlrsmg | n]	33	411	272	otam variants	13	88	454	[yo][dlrsmg] + c | cs + e4o	11	15
97	od[ao]i0-4n	110	410	276	yce4y + infixed versions	20	87	454	ceam nouns	10	15
98	odai0-4n	108	408	277	o[fptk]ody	17	85	454	o[fptk]c + e4os	10	15
99	cte4[yo]	45	406	277	dcedy relatives	6	85	457	ode0-4d	10	14
100	ol[oa]	187	401	279	c[fp]e4y + added c-sequences & cfeo-Initial	30	84	457	ll	13	14
101	[yo]d[ao]i0-4[lr]	192	393	279	c-sequence + e4 + [fptk] + c-sequence + e4 + y	43	84	457	od[fptk | dlrsmg] minus odl	14	14
102	a[lr][ao][lr]	199	391	279	[yo]e4 | c + [fp]	72	84	457	opc + e4ody	9	14
103	ol[yo]	169	388	282	a[lr][fptk]	54	83	461	yd[ao]i0-4r	7	13
104	[fp]c-Initial	176	387	282	[fptk | dlrs] prefixes to dai4[lrsm | n]	51	83	461	ofal variants	7	13
105	do	94	383	284	yce4y + s infixes	17	82	461	okos variants	4	13
106	oce4y + infixed versions	136	379	285	fc-initial	50	80	461	e4n	11	13
107	so	132	378	285	l-prefix + [fptk]e0-4y	6	80	461	okom variants	6	13
108	ceckey relatives	32	377	287	dl Consonant clusters	44	79	461	or[fptk | dlrsmg]	12	13
109	od[ao]i0-4[lr]	176	369	287	e[fp][yoa]	64	79	461	[yo][fptk]e4om	4	13
110	cear variants	101	365	287	o[fptk] endings	33	79	461	o[fptk]edam	7	13
111	[yo][fptk]e4od	92	355	287	ckeo-initial	26	79	469	ol + c | cs + e4o	8	12
112	[yo]c[s | fptk]e4y	115	353	291	okam variants	13	76	469	okas variants	7	12
113	yodai0-4[lr]	163	348	291	rc-initial	37	76	469	ydai0-4r	6	12
114	tc-initial	120	345	291	ceam variants	32	76	469	opam variants	7	12
114	otar variants	44	345	294	ofc + e4 + y | dy | o + [lr] Superset	39	75	473	et-initial	9	11
114	[yo]c + e4o Superclass	205	345	294	o[fptk]c + e4ody	33	75	473	yd[ao]i0-4l	9	11
117	[yo]te4o[dlrsmg]	88	341	294	te4o	32	75	473	q[fptk]o[dlrsmg]	9	11
118	or[oa]	156	340	297	okod variants	26	74	476	ceed + cey	10	10
119	[yo][fp][yoa]	181	339	298	ykai0-4n	14	73	476	ay polygraph (other)	10	10
120	okce0-4y	59	338	299	o[fptk]edar	30	72	476	ol[lr]	6	10
121	otal variants	43	333	300	eta	45	71	476	ofol variants	8	10
122	[dlrsmg] + c | c[s | fptk] + e4dy	20	327	300	oe0-4[fp]oe0-4[lr]	42	71	476	ydai0-4l	8	10
123	odai0-4[lr]	149	326	302	[yo]po	44	70	476	ofai0-4n	6	10
124	kc-initial	92	322	303	c[fp]e4y + added c-sequences	21	69	476	[yo]fai0-4n	6	10
124	[yo][fptk]e4ol	58	322	303	ece Adjective	43	69	476	cecfey relatives	8	10
126	oa	149	321	305	o[fptk][dlrsmg]	49	68	476	ofe0-4y	8	10
127	oc[s | fptk]e4y	104	319	305	[fptk | dlrsmg] + c | c[s | fptk] +	21	68	476	[yo]fy	8	10

					e4od						
127	[yo]ke4o[lr]	53	319	305	e-initial	47	68	486	ofc + e4ol	6	9
129	o[lr]y	121	318	305	yc + e4o[lr]	12	68	486	t[yo]lc	9	9
130	oe sans oy + oe4y, oe0-4s	231	317	309	cpeo-initial	32	67	486	ece Verb	9	9
131	ol[ds]	158	315	309	yd[ao]i0-4[lrm | n]	29	67	486	odees variants	9	9
132	c[fptk]e4y	13	310	311	otc + e4ol	13	66	486	ceas variants	7	9
133	[tk]e4dy	43	309	311	oe4y	27	66	491	[tk] + e4s	8	8
134	pc-initial	126	307	311	o[fptk][ao]s	32	66	491	opc + e4o	7	8
135	ai4l	3	306	311	osa	42	66	493	ofor variants	5	7
136	oi	111	304	315	ydai0-4[lrm | n]	27	65	493	ofc + e4or	4	7
137	cear verbs	62	303	315	ofc + e0-4 + y | dy | o[dlrs]y	35	65	493	okad variants	5	7
138	opc + e0-4 + y | dy | o[dlrs]y	69	302	315	olt	48	65	493	ol + ce4d	4	7
139	[yo]c[fptk]e4y	90	294	318	c | cs + e0-4l	21	64	493	[yo][fptk | dlrsmg][ao]g	7	7
140	oc[fptk]e4y	87	289	319	cear nouns	39	62	493	odc-Nouns	7	7
141	okol variants	43	285	319	oo	44	62	493	[fptk | dlrs] prefixes to dam	5	7
142	[yo][fptk]e4od + y	50	284	319	[yo]c[fp]	50	62	493	cead variants	7	7
143	otce0-4y	47	281	322	ceam verbs	22	61	493	ol + c | cs + e4ody	6	7
143	c | cs + e0-4[dlrsmg]	91	281	322	faceys relatives	54	61	502	j	6	6
145	o[fptk | dlrsmg][ao]m	87	280	324	c + e4 + [fptk] Endings	37	60	502	ofas variants	2	6
146	olcey relative	84	277	324	[yo][fptk]e4d	21	60	502	otom variants	4	6
147	od endings + odcey relatives	149	275	324	[yo]te4os	13	60	502	opod variants	6	6
148	o[lr]o	155	274	324	oce4y	32	60	506	otad variants	4	5
149	ce4ai4n	103	271	324	e[tk]o	40	60	506	yc[fptk]e4y	3	5
150	ceal variants	88	269	329	[yo]fa	37	59	506	[yo][fptk]a[fptk]a	5	5
151	sai4n	6	258	329	ytai0-4n	4	59	506	odce0-4dy	5	5
152	oi4n Superset	79	257	329	o[fptk]edai4n	36	59	506	o[fptk]oe4d Rosette-Baln-Pharm Objects	3	5
153	cean variants	89	255	329	qo variants	5	59	506	or[lrsmg]	5	5
153	ek[yo]	65	255	333	oi4n	4	58	506	ord	4	5
155	od endings	122	243	333	otc + e4or	10	58	513	or + c | cs + e4o[lr]	3	4
156	ora	98	241	333	o[tk][ao]s	28	58	513	o[fptk]e0-4ay	4	4
157	otol variants	42	239	336	odo	41	57	513	ofod variants	4	4
158	ceal verbs	57	230	336	[yo]cse4y	24	57	516	yd[ao]i0-4m	2	3
158	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	46	230	336	o[fptk]ce4[lrsmg]	50	57	516	ypai0-4n	2	3
160	c | c[fptk] + e4o	11	228	339	a[lr]an	25	56	516	ydai0-4m	2	3
160	ola	92	228	339	d[fptk | drs]	42	56	516	opas variants	3	3
160	[yo]d[ao]i0-4r	101	228	341	okc + e4ol	12	55	516	cedas variants	3	3
163	old	110	225	342	okc + e4or	14	54	516	ceda (dangling)	3	3
164	[yo]ke4ol	34	223	342	[fptk | dlrsmg] + c | c[s | fptk] + e4om	12	54	516	v	3	3
165	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	40	222	344	Double c-Sequence Nouns	44	53	516	or[fptk]	3	3
165	oly	77	222	344	yce4y	9	53	524	os[dlrsmg]	2	2
167	cteo-initial	41	220	344	[fptk][yo]lc	42	53	524	o[fptk]s	2	2
168	ece polygraph	144	219	347	[tk]y	4	52	524	[fptk | dlrsmg] + c | c[s | fptk] + e4osy	2	2
169	eky	40	217	348	o[fptk]o	18	51	524	ofc + e4ody	2	2
169	ke4dy	25	217	348	[fptk] + c | c[s | fptk] + e4o	13	51	524	opom variants	1	2
171	od[ao]i0-4r	94	215	350	[dlrsmg] + c | c[s | fptk] + e4o	16	49	524	ofc + e4o	2	2
172	ai0-4[dlrsmg][dlrsmg]	121	214	350	[yo]te4o	10	49	524	[yo]doi0-4n	2	2
173	cean verbs	57	213	350	okc + e4o	16	49	524	ope4dy	2	2
174	[yo]ke4od	52	207	353	opar variants	17	48	532	[yo]doi0-4m	1	1
174	oy + oe4y	104	207	353	[yo]c + e4ody	34	48	532	yfai0-4n	1	1
176	[tk]e4o	66	206	353	[yo]doi0-4[lrm | n]	32	48	532	ofad variants	1	1
177	yodai0-4r	88	205	353	o + c | cs + e4ol	28	48	532	ofom variants	1	1
177	cse4o	4	205	357	ep[yoa]	31	46	532	ofam variants	1	1
177	y + Non-[dlrs] Prefixes	8	205	357	[yo]ke4os	14	46	532	cfeo-initial	1	1

Table 20.2: All Usage Properties Leveraged in PPV Scoring

Rank	Property Name	Identification Index	Share of the Manuscript-Wide Identification Index	Rank	Property Name	Identification Index	Share of the Manuscript-Wide Identification Index
1	InflammatorySkinDisease	92.1	0.96642	134	Scalp	13.4	0.14061
2	TreatableByBalm1	85.1	0.89297	135	Wart	13.3	0.13956
3	Topical	82.3	0.86359	136	Cut	13.2	0.13851
4	ParasiteSuperset	73.3	0.76915	137	Scorpion	13.2	0.13851
5	Bite	73.1	0.76705	138	Repellent	13.0	0.13641
6	LiquidSemiSolidSuperset	70.4	0.73872	139	Plague	13.0	0.13641
7	Digestive	68.2	0.71563	140	Fragrance	12.9	0.13536
8	BlemishRemoval	67.7	0.71039	141	Tonic	12.8	0.13431
9	TreatableByBalm2	65.4	0.68625	142	Analgesic	12.6	0.13221
10	Respiratory	65.2	0.68416	143	Sun	12.6	0.13221
11	DecoctableSuperset2	62.9	0.66002	144	Scrofula	12.6	0.13221
12	LiquidSuperset	62.6	0.65687	145	Aging	12.6	0.13221
13	LeafUsed	61.0	0.64008	146	Narcotic	12.4	0.13012
14	ItchSymptom	60.3	0.63274	147	SkinInfection	12.0	0.12592
15	AntiseptícSuperset	59.6	0.62539	148	Sedative	11.8	0.12382
16	DecoctableSuperset1	59.1	0.62015	149	MoisturizerEmollient	11.8	0.12382
17	AntiInflammatory	58.4	0.61280	150	Colic	11.8	0.12382
18	BlemishAblation	56.9	0.59706	151	CoreBalmSet	11.8	0.12382
19	BloodRelated	55.8	0.58552	152	PasteSalveSuperset	11.8	0.12382
20	SmallCreatureBite2	55.7	0.58447	153	WholePlantUsed	11.8	0.12382
21	SolidSemiSolidSuperset	54.8	0.57503	154	Gargle	11.6	0.12172
22	BeautificationSuperset	54.6	0.57293	155	Psoriasis	11.4	0.11962
23	Wound	54.5	0.57188	156	WitchcraftProtection	11.0	0.11542
24	MusculoSkeletal	52.6	0.55194	157	Carminative	11.0	0.11542
25	EruptiveSkinDisease	50.9	0.53410	158	Ringworm	11.0	0.11542
26	Antidote	49.7	0.52151	159	Sciatica	10.9	0.11438
27	SmallCreatureBite1	49.3	0.51731	160	Dyspepsia	10.8	0.11333
28	DistilledWaterTeaInfusionSansOilSuperset	47.2	0.49528	161	Salve	10.4	0.10913
29	SolidSuperset	46.2	0.48478	162	DistilledWater	10.0	0.10493
30	ColorSuperset	45.9	0.48164	163	Pregnancy	10.0	0.10493
31	FlowerFruitSuperset	44.4	0.46590	164	Expectorant	10.0	0.10493
32	OilSapJuiceSuperset	44.1	0.46275	165	SprainFracture	9.8	0.10283
33	Internal	41.2	0.43232	166	VinegarIngredient	9.7	0.10178
34	AnthelminticVermifuge	40.9	0.42917	167	Dysmenorrhea	9.6	0.10073
35	RootUsed	40.8	0.42812	168	Wash	9.6	0.10073
36	Poultice	39.2	0.41133	169	Lotion	9.4	0.09864
37	AntidoteRequired	38.7	0.40609	170	PepticUlcer	9.4	0.09864
38	FlowerStemSuperset	37.4	0.39244	171	Emmenagogue	9.2	0.09654
39	Menstrual	36.8	0.38615	172	Freckle	8.9	0.09339
40	BalmSuperset	36.5	0.38300	173	RhizomeUsed	8.8	0.09234
41	FlowerUsed	36.4	0.38195	174	Plaster	8.6	0.09024
42	ExternalBleedingSuperset	36.2	0.37985	175	StemUsed	8.6	0.09024
43	Fever	35.0	0.36726	176	Erysipelas	8.4	0.08814
44	LargeCreatureBite	34.7	0.36411	177	Lactation	8.4	0.08814
45	DisfiguringSkinDisease	33.8	0.35467	178	Paste	8.4	0.08814
46	CommunicableSkinDisease	33.5	0.35152	179	WhoopingCough	8.4	0.08814
47	Rheumatism	33.4	0.35047	180	Decongestant	8.2	0.08604
48	Ulcer	33.4	0.35047	181	Theriac	8.2	0.08604
49	SerpentSnake	32.7	0.34313	182	Bath	8.2	0.08604
50	DistilledWaterTeaSuperset	32.2	0.33788	183	Flu	7.8	0.08185
51	MusculoSkeletalDisorderSansRheumatism	32.0	0.33578	184	GallBladder	7.8	0.08185
52	Cough	31.8	0.33368	185	KidneyStone	7.8	0.08185
53	SemiSolidSuperset	31.6	0.33158	186	Sprain	7.8	0.08185
54	MacerationInfusionSuperset	31.6	0.33158	187	Perfume	7.4	0.07765
55	Infusion	31.6	0.33158	188	Wrinkle	7.4	0.07765
56	InsectOther	31.3	0.32844	189	Flea	7.4	0.07765
57	JuiceUsed	30.6	0.32109	190	Nephrology	7.0	0.07345
58	FruitSeedSuperset	30.1	0.31584	191	PMS	7.0	0.07345
59	Burn	29.9	0.31375	192	Amenorrhea	6.8	0.07135
60	AntiAsthmatic	28.6	0.30010	193	Compress	6.6	0.06925
61	Decoction	28.5	0.29906	194	Bone	6.4	0.06716
62	PigmentDisorder	28.4	0.29801	195	LaborInduction	6.4	0.06716
63	Astringent	28.4	0.29801	196	SapUsed	6.4	0.06716
64	OintmentSalvePasteSuperset	28.1	0.29486	197	Shampoo	6.4	0.06716
65	SeedRhizomeSuperset	27.9	0.29276	198	Abscess	6.4	0.06716
66	Laxative	27.6	0.28961	199	Leprosy	6.2	0.06506
67	Swelling	26.6	0.27912	200	Capsule	6.2	0.06506
68	OintmentSalveSuperset	26.1	0.27387	201	Pulmonary	6.2	0.06506
69	Throat	25.4	0.26653	202	Rubefacient	6.2	0.06506
70	Urinary	25.0	0.26233	203	Oral	6.0	0.06296
71	Tea	25.0	0.26233	204	Womb	6.0	0.06296
72	Itch	24.9	0.26128	205	DogBite	6.0	0.06296
73	OilSapSuperset	24.7	0.25918	206	SkinWhitening	5.8	0.06086
74	OintmentPasteSuperset	24.7	0.25918	207	Malodorous	5.2	0.05456
75	Bronchitis	24.6	0.25813	208	Dyspnea	5.0	0.05247
76	NonEruptiveSkinDisease	24.6	0.25813	209	Maceration	5.0	0.05247
77	Eczema	24.6	0.25813	210	Scald	5.0	0.05247
78	Gout	24.4	0.25603	211	Smoked	5.0	0.05247
79	Saturn	24.2	0.25393	212	Soap	5.0	0.05247
80	Bruise	24.1	0.25289	213	Scar	4.9	0.05142
81	AntiDiarrheal	24.0	0.25184	214	Bloating	4.8	0.05037
82	Ointment	23.9	0.25079	215	Sunburn	4.8	0.05037
83	Antiseptic	23.2	0.24344	216	Liniment	4.7	0.04932
84	Oil	23.1	0.24239	217	Biliary	4.6	0.04827
85	MusculoSkeletalBodyPart	23.0	0.24134	218	Injection	4.4	0.04617
86	Tincture	22.8	0.23924	219	Pneumonia	4.4	0.04617
87	Extract	22.1	0.23190	220	RedBerry	4.4	0.04617
88	Mars	21.9	0.22980	221	BarkUsed	4.4	0.04617
89	Venus	21.4	0.22455	222	Fracture	4.2	0.04407
90	Dye	21.3	0.22350	223	Chilblain	4.0	0.04197
91	Pharyngitis	21.2	0.22246	224	Scab	4.0	0.04197
92	Hepatic	21.2	0.22246	225	Fistula	3.8	0.03987
93	Powder	21.1	0.22141	226	SingleIngredient	3.6	0.03778
94	Arthritis	21.0	0.22036	227	Vaginal	3.6	0.03778
95	Face	20.4	0.21406	228	Hepatitis	3.6	0.03778
96	Heart	20.4	0.21406	229	Mosquito	3.6	0.03778
97	NotParasiteSuperset	20.4	0.21406	230	Hepatoprotective	3.4	0.03568
98	SeedUsed	20.3	0.21301	231	Cardiotonic	3.4	0.03568
99	Headache	19.6	0.20567	232	Pleurisy	3.4	0.03568
100	Cosmetic	19.4	0.20357	233	Elixir	3.2	0.03358

101	Aphrodisiac	19.0	0.19937	234	Haemoptysis	3.2	0.03358
102	HoneyIngredient	19.0	0.19937	235	Hemorrhage	3.2	0.03358
103	Sore	18.9	0.19832	236	InternalBleeding	3.2	0.03358
104	Tumor	18.8	0.19727	237	KidneyStimulant	3.2	0.03358
105	WineIngredient	18.7	0.19622	238	Patch	3.0	0.03148
106	Alkaloid	18.5	0.19412	239	Menorrhagia	2.8	0.02938
107	Jupiter	18.4	0.19307	240	Nosebleed	2.8	0.02938
108	PandemicSkinDisease	17.8	0.18678	241	AntiEmetic	2.6	0.02728
109	Inflammatory	17.6	0.18468	242	Mithridate	2.6	0.02728
110	Antihemorrhoidal	17.4	0.18258	243	Whitlow	2.6	0.02728
111	DriedHerbUsed	17.2	0.18048	244	Gel	2.6	0.02728
112	SkinGovernedByJupiter	16.8	0.17629	245	Gallstone	2.4	0.02518
113	Muscle	16.6	0.17419	246	Blister	2.2	0.02308
114	Pesticide	16.5	0.17314	247	Satchet	2.2	0.02308
115	Joint	16.4	0.17209	248	Burnt	2.0	0.02099
116	Bleeding	16.2	0.16999	249	Douche	2.0	0.02099
117	Breast	16.0	0.16789	250	HepaticStimulant	2.0	0.02099
118	ToxicityScore	15.9	0.16684	251	Menopause	2.0	0.02099
119	Boil	15.8	0.16579	252	Rosacea	1.8	0.01889
120	Rash	15.6	0.16369	253	Insectivore	1.6	0.01679
121	EyeWash	15.6	0.16369	254	KidneyPain	1.6	0.01679
122	Mercury	15.5	0.16264	255	Colorectal	1.6	0.01679
123	Abortifacient	15.2	0.15950	256	FaceMask	1.4	0.01469
124	Acne	15.0	0.15740	257	OvarianCancer	1.4	0.01469
125	ColdRemedy	14.8	0.15530	258	Carbuncle	1.4	0.01469
126	Jaundice	14.7	0.15425	259	BreathFreshener	1.2	0.01259
127	Lice	14.7	0.15425	260	Cream	1.2	0.01259
128	Scabies	14.5	0.15215	261	BlackBerry	1.0	0.01049
129	BloodPurifier	14.2	0.14900	262	Gastritis	1.0	0.01049
130	FruitUsed	14.2	0.14900	263	Pancreatic	1.0	0.01049
131	AbdominalCramp	14.0	0.14690	264	ParasiticPlant	1.0	0.01049
132	Moon	14.0	0.14690	265	Oxymel	0.6	0.00630
133	Hair	13.5	0.14166				

Table 20.3: Occult and CNS Usage Properties Minimally Correlated with Voynich Word Categories

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Potentially Occult							
WitchcraftProtection	10.8	0.11404	#1 odl	18	24	2.2:2.6	0.34429
			#3 od[fptk | dlrsmg]	32	38	2.8:4	0.29772
Moon	13.2	0.13939	[yo]dai$^{0-4}$[dsg]	-	-	-	-
Satchet	2.2	0.02323	-	-	-	-	-
Aphrodisiac	20	0.21119	#23 oy	77	141	13.2:21.8	0.16595
			#2 o[fptk]s	2	2	1.8:0	0.78881
			#4 od[fptk | dlrsmg] minus odl	14	14	1.2:0.8	0.38881
			#8 odees variants	9	9	1.2:1.4	0.25035
			#11 [yo]doi$^{0-4}$l	16	22	4:5.8	0.19697
			#28 [yo]py	44	70	2.8:4.8	0.15723
			#36 [yo]po	13	33	3.2:5.8	0.14437
			#31 cpe4[yo]	36	94	9.2:16.2	0.15101
CNS-Related							
Narcotic	12.4	0.13094	#1-2 ofe0-4y and [yo]fy	8	10	2:1.6	0.42462
			#3 a[fptk]y	23	26	1.6:2.4	0.26906
			#9 cfe4[yo]	12	26	2.6:5.4	0.19406
Sedative	10.8	0.11404	#2 dody	10	17	2.2:4	0.24080
			#3 a[fptk]y	23	26	1.4:2.6	0.23596
			#4 e$^{1-4}$n	11	13	2.4:5	0.21028
Analgesic	12.6	0.13305	#14 odo	41	57	5.8:14	0.15988
			#17 cfe$^{1-4}$[yo]	12	26	2.2:5.8	0.14195
Headache	19.6	0.20697	5 od[fptk | dlrsmg] minus odl	14	14	1.4:0.6	0.49303
			#9 cfe$^{1-4}$[yo]	12	26	1.8:1.4	0.35553
			#12 o[fptk | dlrsmg]e$^{1-4}$g	16	19	1.2:1	0.33848
			#17 ceed + cey	10	10	1.2:1.4	0.25457

Table 20.4: Other Medicinal Properties with Minuscule Word Category Correlation Options

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Sciatica	10.4	0.10982	#1 [yo][fptk]ce$^{1-4}$d	21	42	2.4:1.6	0.49018
			#2 [fptk | dlrs] prefixes to *daiin*	18	33	1.8:2	0.36386
Fever	34.8	0.36748	#9 ydai0-4r	6	12	1.6:0.4	0.43252
			#38 ol + c | cs + e$^{1-4}$o[lr]	18	34	2.4:2.2	0.15426
			#13 ycse4y	8	29	2:0.8	0.34681
			#23 e$^{1-4}$n	11	13	4.2:3.2	0.20009
			#28 odees variants	9	9	1.4:1.2	0.17098
			#30 ceed + cey	10	10	1.4:1.2	0.17098
			#15 od[fptk | dlrsmg] minus odl	14	14	1.4:0.6	0.33252
			#34 od[fptk | dlrsmg]	32	38	3.6:3.2	0.16193
			#17 o[fptk]d	31	38	2.8:1.6	0.26888
			#18 [rs][fptk | l]	27	30	2.2:1.4	0.24363
			#36 d[fptk | drs]	42	56	9:8.2	0.15578
Pancreatic	1	0.01056	-	-	-	-	-
Gall Bladder	7.8	0.08237	#3 o[fptk]c + e$^{1-4}$od	12	21	2:4.6	0.22066
			#6 okc + e$^{1-4}$ody	11	30	2.2:6.8	0.16207
			#7 olai$^{0-4}$n	37	126	2.2:7	0.15676

			#10 cpe$^{1-4}$y	4	27	2.2:7.2	0.15167
			#11 eto	15	22	1.6:5.4	0.14620
			#14 cear nouns	39	62	2.8:10.4	0.12975
Gallstone	2.4	0.02534	#2 okc + e4ody	11	30	1.6:7.4	0.15244
			#3 de-Initial	29	41	1.2:6.8	0.12466
Jaundice	14.7	0.15523	#12 yc + e4ol	7	34	4.2:5.8	0.26477
Hepatic	21.2	0.22386	#17 yc + e4or	5	34	4:6.2	0.16830
			#23 yc + e4ol	7	34	3.6:6.4	0.13614
			#24 yc + e4o[lr]	12	68	6.6:12	0.13098
			#4 o[fptk]d	31	38	2.2:2.2	0.27614
			#43 od[fptk | dlrsmg]	32	38	2.2:4.6	0.09967
			#32 orcey relatives	17	26	2.6:5	0.11825
			#2 [yo][fptk]ce4d	21	42	2.4:1.6	0.37614
Hepatic Stimulant	2	0.02112	#2 o + c | cs + e4or	31	40	1.6:11.4	0.10196
Hepatitis	3.6	0.03801	#5 yc + e4or	5	34	1.4:8.8	0.09924
			#9 o + c | cs + e4or	31	40	1.4:11.6	0.06968
			#10 o + c | cs + e4ol	28	48	1.4:12.2	0.06493
			#11 o + c | cs + e4o[lr]	59	88	2.4:21.2	0.06368
			#25 yc + e4o[lr]	12	68	1.4:17.2	0.03726
			#2 orcey relatives	17	26	1.8:5.8	0.19883
Hepatoprotective	3.4	0.03590	#2 o[fptk]ce4[lrsmg]	50	57	1.6:5.6	0.18632
			#4 odcey relatives	29	34	1.6:6.8	0.15458
Nephrology	7	0.07392	#1 ceed + cey	10	10	1.2:1.4	0.38762
			#25 [yo]c + e4dy	45	110	1.2:8.6	0.04853
Kidney Pain	1.6	0.01690	#1 yce4y	9	53	1.6:9.6	0.12596
Kidney Stimulant	3.2	0.03379	#1 [yo][fptk]ce4d	21	42	1.6:2.4	0.36621
			#2 cecpey relatives	6	21	1.6:2.6	0.34716
			#3 yc + e4o	8	38	2:4.2	0.28879
Kidney Stone	7.8	0.08237	#7 o[fptk]o	18	51	1.8:7.6	0.10912
			#9 yce4y	9	53	2:9.2	0.09620
Urinary	25	0.26399	#6 ord	4	5	1.4:0.6	0.43601
			#10 o[fptk]ce4[lrsmg]	50	57	4.2:3	0.31934
			#19 [yo][dlrsmg] + c | cs + e4o	11	15	1.2:1.4	0.19755

Table 20.5: Digestive Usage Properties Minimally Correlated with Voynich Word Categories

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Digestive	68.2	0.72017					
Abrasive Remedies							
Laxative	27.4	0.28933	#2 yd[ao]i0-4l	9	11	2.2:0.2	0.62734
			#3 ydai0-4l	8	10	2.2:0.2	0.62734
			#6 o[fptk | dlrsmg]e4g	16	19	1.6:0.6	0.43794
			#8 q-prefix exceptions	16	18	1.8:1	0.35353
			#10 orcey relatives	17	26	4.8:2.8	0.34225
			#11 odl	18	24	3:1.8	0.33567
			#16 l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	46	230	1.2:0.8	0.31067
			#17 cfe4[yo]	12	26	4.8:3.2	0.31067
			#21 od[fptk | dlrsmg]	32	38	3.8:3	0.26949
			#27 ceed + cey	10	10	1.4:1.2	0.24913
			#28 cecpey relatives	6	21	2.2:2	0.23448
			#29 [yo]doi0-4[lr]	29	45	8:7.4	0.23015
Anti-Hemorrhoidal	17.4	0.18374	#1 odc-Nouns	7	7	1.6:0	0.81626
			#5 yd[ao]i0-4l	9	11	1.6:0.8	0.48293
			#6 ydai0-4l	8	10	1.6:0.8	0.48293
			#9 odees variants	9	9	1.4:1.2	0.35472
			#10 odcey relatives	29	34	4.4:4	0.34007
			#13 cecpey relatives	6	21	1.8:2.4	0.24483
			#15 o[fptk]d	31	38	1.6:2.8	0.17990
			#19 [yo][fptk]ce4d	21	42	1.4:2.6	0.16626
			#24 [rs][fptk | l]	27	30	1.2:2.4	0.14959
			#26 cfe4[yo]	12	26	2.6:5.4	0.14126
Soothing							
Anti-Diarrheal	24	0.25343	#1 odc-Nouns	7	7	1.6:0	0.74657
			#4 odcey relatives	29	34	4.6:3.8	0.29419
			#6 [yo][fptk]ce4d	21	42	2:2	0.24657
			#5 [yo]ke4o	13	89	3.6:3.4	0.26086
			#12 ocees relatives	17	20	2.8:3.6	0.18407
			#13 ep[yoa]	31	46	3.4:4.4	0.18247
			#16 [yo]te4os	13	60	2.4:3.2	0.17514
			#18 cfe4[yo]	12	26	3.2:4.8	0.14657
			#24 cpeo-initial	32	67	7.4:11.4	0.14019
			#33 [yo]te4od	41	149	4.4:7.4	0.11945
			#35 [yo]doi0-4l	16	22	3.6:6.2	0.11392
Dyspepsia	10.8	0.11404	#4 odcey relatives	29	34	3:5.4	0.24310
			#37 orcey relatives	17	26	1.8:5.8	0.12280
			#19 oi4n	4	58	1.2:3.2	0.15869
			#17 [yo]te4o	10	49	1.6:4.2	0.16182
			#39 ef[yoa]	33	33	1.6:5.4	0.11453
			#36 eko	25	38	2.2:7	0.12509
			#7 cfe4[yo]	12	26	2.6:5.4	0.21096
			#33 e4n	11	13	1.8:5.6	0.12920
Colic	11.8	0.12460	#2 ceed + cey	10	10	1.2:1.4	0.33694

			#19 o[fptk]d	31	38	1.2:3.2	0.14813
			#6 ocees relatives	17	20	2.4:4	0.25040
			#22 ol + c | cs + e4o[lr]	18	34	1.2:3.4	0.13627
			#3 ef[yoa]	33	33	3:4	0.30397
			#9 ep[yoa]	31	46	2.8:5	0.23437
			#11 e[fp][yoa]	64	79	4.2:8	0.21966
			#23 cfe4[yo]	12	26	2:6	0.12540
			#4 [yo]ke4o	13	89	2.8:4.2	0.27540
			#30 [yo]ke4ol	34	223	4.2:14	0.10617
			#31 [yo]ke4o[lr]	53	319	5.6:18.8	0.10491
Abdominal Cramp	14	0.14784	#1 ord	4	5	1.2:0.8	0.45216
			#2 or[fptk | dlrsmg]	12	13	1.2:1	0.39761
			#6 [yo]te4or	9	31	2:4.4	0.16466
			#12 c + e4 + [fptk]c Nouns	16	18	2:5.6	0.11532
Peptic Ulcer	9.4	0.09926	#7 a[lr]an	25	56	1.4:4.6	0.13407
Carminative	11	0.11616	#3 [yo][fptk]ce4d	21	42	2:2	0.38384
			#18 [yo]te4o	10	49	1.6:4.2	0.15970
			#23 e[fp][yoa]	64	79	2.8:9.4	0.11335
			#24 ef[yoa]	33	33	1.6:5.4	0.11241
			#26 o[fptk]ce4[lrsmg]	50	57	1.6:5.6	0.10606
			#31 ckeo-initial	26	79	4.6:17.2	0.09485
Bloating	4.8	0.05069	#1 [fptk | dlrs] prefixes to dal	12	16	1.6:0	0.94931
			#2 l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	38	186	1.4:0	0.94931
			#6 [fptk | dlrs] prefixes to daiin	18	33	1.6:2.2	0.37036
			#7 [yo][fptk]ce4d	21	42	1.6:2.4	0.34931
			#10 [yo][fptk]e4o	11	88	1.6:5.2	0.18460
			#18 ep[yoa]	31	46	1.4:6.4	0.12880
Biliary	4.6	0.04857	#2 [yo][fptk]ce4d	21	42	1.8:2.2	0.40143
			#18 cfe4[yo]	12	26	1.6:6.4	0.15143
			#19 ef[yoa]	33	33	1.4:5.6	0.15143
Anti-Emetic	2.6	0.02746	#11 ceckey relatives	32	377	1.6:31.4	0.02102
			#1 c-sequence + e4 + [fptk] + e4 + y	35	101	2:9.6	0.14495
			#17 oi4[dlrsmg | n]	13	1124	2.6:60.8	0.01355
Colorectal	1.6	0.01690	-	-	-	-	-
Gastritis	1	0.01056	-	-	-	-	-

Table 20.6: Respiratory Usage Properties Minimally Correlated with Voynich Word Categories

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Both Major Subsets							
Respiratory	65.2	0.68849	#7 orcey relatives	17	26	7.6:0	0.31151
			#17 odcey relatives	29	34	7.8:0.6	0.24008
			#15 odees variants	9	9	2.6:0	0.31151
			#25 oi4n	4	58	3.8:0.6	0.17515
			#20 yd[ao]i0-4l	9	11	2.2:0.2	0.22818
			#21 ydai0-4l	8	10	2.2:0.2	0.22818
			#23 olf	21	25	1.6:0.2	0.20040
			#36 c | cs + e0-4s	68	188	8.8:2.2	0.11151
			#10 ol + c | cs + e4ody	6	7	1.8:0	0.31151
			#22 ol + c | cs + e4o[lr]	18	34	4.2:0.4	0.22455
Abrasive							
Respiratory	65.2	0.68849	#9 ofc + e4or	4	7	2.2:0	0.31151
			#14 ofol variants	8	10	1.6:0	0.31151
			#16 ofar variants	17	25	3.2:0.2	0.25269
			#27 cfe4[yo]	12	26	6.8:1.2	0.16151
			#30 oce4y	32	60	10.6:2.2	0.13964
			#32 ocse4y	17	30	6.8:1.6	0.12103
			#39 ofc + e4ol	6	9	1.6:0.4	0.11151
			#43 oce4y + s infixes	49	90	14.6:3.8	0.10499
			#19 opc + e4ody	9	14	2.2:0.2	0.22818
Anti-Asthmatic	28.6	0.30201	#2 ofol variants	8	10	1.6:0	0.69799
			#7 opal variants	15	42	2.6:1.2	0.38220
			#10 ofce0-4dy	12	32	2.4:1.4	0.32957
			#17 opc + e4ol	11	31	3.8:3.4	0.22577
			#18 cfe4[yo]	12	26	4.2:3.8	0.22299
			#24 osa	42	66	3.8:4.2	0.17299
			#26 yodai0-4l	75	143	13.2:14.8	0.16942
			#29 odai0-4l	67	133	12.4:14	0.16769
			#6 [yo]ke4o	13	89	4.8:2.2	0.38370
			#25 [yo]te4od	41	149	5.6:6.2	0.17257
Decongestant	8.2	0.08659	#1 ol + c | cs + e4ody	6	7	1.2:0.6	0.58008
			#2 opor variants	10	25	2.8:1.8	0.52211
			#7 opal variants	15	42	1.8:2	0.38709
			#9 ocse4y	17	30	3.8:4.6	0.36579
			#10 opol variants	15	25	1.8:2.2	0.36341
			#12 [yo]po	44	70	3.6:5.4	0.31341
			#13 ceas variants	7	9	1.8:2.8	0.30471
			#14 otas variants	7	16	1.8:2.8	0.30471
			#16 odcey relatives	29	34	3.2:5.2	0.29436
			#17 oe0-4[fp]oe0-4[lr]	42	71	3.6:6.2	0.28076
			#18 opc + e4or	6	16	1.8:3.4	0.25956
			#19 [yo]cse4y	24	57	3.8:7.4	0.25270
			#11 ydai0-4[lr]	14	22	1.8:2.6	0.32250

Expectorant	10	0.10560	#3 opor variants	10	25	1.8:2.8	0.28570
			#4 cfe4[yo]	12	26	3:5	0.26940
			#7 osai0-4n	17	34	1.8:3.6	0.22773
			#8 yd[ao]i0-4[lr]	16	24	1.8:3.6	0.22773
			#9 odcey relatives	29	34	2.4:6	0.18011
			#14 opce0-4y	25	111	5:14	0.15756
			#5 [yo][fptk]e4o	11	88	2.4:4.4	0.24734
			#6 ol + c | cs + e4o[lr]	18	34	1.6:3	0.24223
			#1 opc + e4ody	9	14	1.4:1	0.47773
			#2 [yo][fptk]ce4d	21	42	1.8:2.2	0.34440
Non-Abrasive							
Respiratory	65.2	0.68849	#1 [fptk | dlrs] prefixes to dal	12	16	1.6:0	0.31151
			#44 [fptk | dlrs] prefixes to daiin	18	33	3:0.8	0.10098
			#2 c | cs + e0-4r	9	16	1.2:0	0.31151
			#3 ceed + cey	10	10	2.6:0	0.31151
			#5 q-prefix exceptions	16	18	2.8:0	0.31151
			#12 o[fptk]s	2	2	1.8:0	0.31151
			#28 ady	25	36	7.2:1.4	0.14872
			#37 [yo][fptk]ce4d	21	42	3.2:0.8	0.11151
			#29 odl	18	24	4:0.8	0.14484
			#42 od[fptk | dlrsmg]	32	38	5.4:1.4	0.10563
			#38 okc + e4ody	11	30	7.2:1.8	0.11151
			#8 odc-Nouns	7	7	1.6:0	0.31151
Cold Remedy	14.8	0.15628	#1 q-prefix exceptions	16	18	1.8:1	0.48658
			#25 [fptk][dlrs] Prefixes	27	34	2.2:5.2	0.14102
			#3 [fptk | dlrs] prefixes to daiin	18	33	1.8:2	0.31740
			#5 cse0-4s	43	102	2.4:3	0.28816
			#7 odl	18	24	2:2.8	0.26039
			#27 od[fptk | dlrsmg]	32	38	2:4.8	0.13784
			#8 [yo]te4o	10	49	2.4:3.4	0.25751
			#11 [yo][fptk]e4o	11	88	2.6:4.2	0.22607
			#13 okc + e4ody	11	30	3.4:5.6	0.22150
			#28 c | cs + e0-4s	68	188	3.2:7.8	0.13463
			#30 c + e4 + [fptk] Nouns	26	31	2:5	0.12943
			#31 odcey relatives	29	34	2.4:6	0.12943
			#32 o[fptk]ce4[lrsmg]	50	57	2:5.2	0.12150
Flu	7.8	0.08237	#3 [yo][fptk]ce4d	21	42	1.4:2.6	0.26763
			#5 [yo]doi0-4l	16	22	2.8:7	0.20334
			#8 okc + e4ody	11	30	2.2:6.8	0.16207
			#16 odcey relatives	29	34	1.6:6.8	0.10811
Cough	31.8	0.33580	#3 cecfey relatives	8	10	1.6:0.6	0.39147
			#33 ceed + cey	10	10	1.4:1.2	0.20266
			#4 ady	25	36	6.2:2.4	0.38513
			#5 q-prefix exceptions	16	18	2:0.8	0.37849
			#6 od[fptk | dlrsmg] minus odl	14	14	1.4:0.6	0.36420
			#8 od[fptk | dlrsmg]	32	38	4.6:2.2	0.34067
			#10 odl	18	24	3.2:1.6	0.33087
			#14 odcey relatives	29	34	5.2:3.2	0.28325
			#17 ol + c | cs + e4o	8	12	1.2:0.8	0.26420
			#18 otc + e4ol	13	66	16.6:11.2	0.26132
			#19 opc + e4ody	9	14	1.4:1	0.24753
			#20 yd[ao]i0-4l	9	11	1.4:1	0.24753
			#21 ydai0-4l	8	10	1.4:1	0.24753
			#35 [yo]te4os	13	60	3:2.6	0.19991
Whooping Cough	8.4	0.08870	#5 [dlrsmg] + c | c[s | fptk] + e4o	16	49	3.2:7.6	0.20760
Dyspnea	5	0.05280	#2 od[fptk | dlrsmg]	32	38	2.2:4.6	0.27073
			#3 odl	18	24	1.4:3.4	0.23887
			#1 ol + c | cs + e4ody	6	7	1.2:0.6	0.61387
			#4 okc + e4ody	11	30	2.4:6.6	0.21387
			#6 [yo]te4od	41	149	2.6:9.2	0.16754
			#7 c | cs + e0-4s	68	188	2:9	0.12902
Pneumonia	4.4	0.04646	#2 odl	18	24	1.6:3.2	0.28687
			#4 od[fptk | dlrsmg]	32	38	1.6:5.2	0.18883
			#3 [yo][fptk]e4o	11	88	1.8:5	0.21825
			#1 opc + e4ody	9	14	1.6:0.8	0.62021
			#7 okc + e4ody	11	30	1.6:7.4	0.13132
Pulmonary	6.2	0.06547	#1 o[fptk]ce4[lrsmg]	50	57	2.4:4.8	0.26786
			#2 c | cs + e0-4l	21	64	1.2:3	0.22024
			#12 odcey relatives	29	34	1.6:6.8	0.12501
			#14 c-sequence + e4 + [fptk] + c-sequence + e4 + y	43	84	3.4:17	0.10120
Haemoptysis	3.2	0.03379	#1 c | cs + e0-4l	21	64	1.8:2.4	0.39478
			#2 o[fptk]ce4[lrsmg]	50	57	1.4:5.8	0.16065
			#4 [yo]doi0-4l	16	22	1.6:8.2	0.12948
			#6 [dlrsmg] + c | c[s | fptk] + e4o	16	49	1.6:9.2	0.11436
Pleurisy	3.4	0.03590	-	-	-	-	-
Breath Freshener	1.2	0.01267	-	-	-	-	-
Throat							
Throat	25.4	0.26822	#27 olt	48	65	3.2:3.8	0.18892
			#1 o[fptk | dlrsmg]e4g	16	19	1.6:0.6	0.45905
			#3 [yo]ke4o	13	89	4.6:2.4	0.38892
			#4 [yo]ke4os	14	46	2.2:1.2	0.37884
			#9 o[fptk]e4os	27	106	5:4	0.28734
			#27 olt	48	65	3.2:3.8	0.18892
Pharyngitis	21.2	0.22386	#1 [yo]ke4o	13	89	4.4:2.6	0.40471
			#12 [yo]ke4os	14	46	1.6:1.8	0.24673
			#3 [yo][fptk]ce4d	21	42	2.2:1.8	0.32614

			#2 ord	4	5	1.2:0.8	0.37614
			#4 or[fptk | dlrsmg]	12	13	1.2:1	0.32159
			#5 ceed + cey	10	10	1.4:1.2	0.31460
			#6 cecpey relatives	6	21	2.2:2	0.29995
Scrofula	10.6	0.11193	#1 [yo]ke4os	14	46	1.6:1.8	0.35866
			#3 o[fptk]e4os	27	106	2.6:6.4	0.17696
			#10 [yo][fptk]e4or	28	127	3.2:11.8	0.10140
			#2 o + c | cs + e4o	21	26	2:4.8	0.18219
			#7 otc + e4o	15	44	3.8:12.8	0.11699
			#4 okc + e4ody	11	30	2.4:6.6	0.15474
			#11 o[fptk]c + e4od	12	21	1.4:5.2	0.10019

Table 21.1: Correlations to Toxins and the Parasite Superset

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Toxicity Score	34.08[5]	0.359115	#45 [yo]ce4y	41	113	23.4:23	#45 [yo]ce4y
			#31 oce4y	32	60	13.8:11.8	0.37152
			#26 ydai0-4r	6	12	2.2:1.8	0.38246
			#35 yd[ao]i0-4r	7	13	3.2:2.8	0.36579
			#25 [yo]ke4os	14	46	3.2:2.6	0.38418
			#29 otas variants	7	16	5:4.2	0.37594
			#23 dody	10	17	7:5.4	0.39698
Means of Action							
Antidote	49.7	0.52371	#28 ydai0-4l	8	10	1.8:0.6	0.22629
			#44 ydai0-4n	11	40	10.4:4.4	0.17899
			#12 oe4y	27	66	6.8:1.4	0.30556
			#54 oy + oe4y	104	207	26.2:12.2	0.15858
			#55 oy	77	141	23.8:11.2	0.15629
			#6 oi4n	4	58	4:0.4	0.38538
			#51 oi	111	304	26:11.8	0.16412
			#56 oi4n Superset	79	257	23.8:11.2	0.15629
			#19 e4n	11	13	5.8:1.6	0.26007
Antidote Required	38.7	0.4078	#5 ocse4y	17	30	7:1.4	0.42553
			#12 [yo]cse4y	24	57	8.2:3	0.32434
			#16 oce4y + s infixes	49	90	12.4:6	0.26611
			#23 oce4y	32	60	8.2:4.6	0.23283
			#28 [yo]ce4y	41	113	14.2:9	0.20427
			#29 [yo]ce4y + s infixes	66	172	17.2:11.2	0.19783
			#42 ocke4y	38	162	12.6:9.2	0.17018
			#60 yce4y	9	53	6:5.2	0.12791
			#20 [yo]ke4os	14	46	2.2:1.2	0.23926
			#32 o[fptk]e4os	27	106	5.4:3.6	0.19220
			#37 ce0-4s	43	165	9:6.2	0.18431
			#45 [yo]te4os	13	60	3.2:2.4	0.16363
			#76 otas variants	7	16	2.4:2.2	0.11394
			#18 oe4y	27	66	5.4:2.8	0.25074
Pesticide	16.5	0.17387	#1 t[yo]lc	9	9	1.6:0.6	0.55340
			#3 ofc + e4ol	6	9	1.2:0.8	0.42613
			#7 ofe0-4y	8	10	2:1.6	0.38169
			#37 [yo]ke4os	14	46	1.4:2	0.23789
			#41 o[fptk]e4os	27	106	3.4:5.6	0.20391
			#58 [yo]te4os	13	60	2:3.6	0.18327
			#119 o[tk][ao]s	28	58	2:5.2	0.10391
			#104 oe4y	27	66	2.4:5.8	0.11881
			#22 yd[ao]i0-4r	7	13	1.4:1.6	0.29280
			#23 dody	10	17	2.8:3.4	0.27774
			#30 yce4y	9	53	4.8:6.4	0.25470
Repellent	13	0.13699	#1 okas variants	7	12	1.6:0	0.86301
			#12 o[tk][ao]s	28	58	2.6:4.6	0.22412
			#22 osai0-4n	17	34	1.6:3.8	0.15931
			#25 o[fptk][ao]s	32	66	2.6:6.4	0.15190
			#42 oe4y	27	66	2:6.2	0.10691
			#16 yd[ao]i0-4[lr]	16	24	1.8:3.6	0.19634
			#17 dody	10	17	2:4.2	0.18559
			#3 yc[s | fptk]e4y	11	34	1.4:1.4	0.36301
Insectivore	1.6	0.01686	#14 [tk]e4o	66	206	1.6:30.8	0.03252
Parasitic Plant			#1 ofod variants	4	4	0.600:0.600	0.48946
	1	0.01054	#2 yc[s | fptk]e4y	11	34	0.600:2.200	0.20375
			#3 ycse4y	8	29	0.600:2.200	0.20375
Cause							
Parasite Superset	73.3	0.77239					
Not Parasite Superset	20.4	0.21496					
Bite	73.1	0.77028					
Large Creature Bite	33.7	0.35511	#10 oe4y	27	66	5.4:2.8	0.29289
			#56 oy	77	141	17.4:17.8	0.12867
			#62 oy + oe4y	104	207	18.8:19.8	0.12140
			#25 o[fptk]e4os	27	106	4.9:3.6	0.21082
Serpent/Snake	31.9	0.32561	#67 oe4y	27	66	3.4:4.8	0.07849
			#72 oy + oe4y	104	207	15.8:22.8	0.07319
			#74 oy	77	141	14.4:20.8	0.07295

[5] Multiplied by the $f_{Toxicity}$ of each plant.

			#3 odc-Nouns	7	7	1.6:0	0.66386
			#9 o[fptk]c + e4od	12	21	4.1:2.2	0.31465
			#8 odees variants	9	9	1.8:0.8	0.35617
			#21 od[fptk | dlrsmg]	32	38	3.6:3.2	0.19327
			#48 odcey relatives	29	34	3.8:4.6	0.11624
Dog Bite	5.6	0.05901	#16 oe4y	27	66	2:6.2	0.18489
			#3 [yo]te4os	13	60	2:3.6	0.29813
			#20 o[fptk]e4os	27	106	2:6.5	0.17628
Small Creature Bite Superset #1	47.9	0.50474	#15 o[fptk][ao]s	32	66	7.4:1.6	0.30273
			#8 o[tk][ao]s	28	58	6.6:0.6	0.39718
			#94 oe0-4s	271	632	33.5:19.8	0.10903
			#10 odcey relatives	29	34	7.2:1.2	0.33765
			#16 e4n	11	13	6:1.4	0.29132
			#53 dody	10	17	4.2:2	0.15793
Scorpion	12.2	0.12856	#35 o[tk][ao]s	28	58	1.8:5.4	0.12144
			#37 oe4y	27	66	2:6.2	0.11534
			#32 [yo]ce4y	41	113	6:17.2	0.13006
Insect Other	30.3	0.31928	#28 o[tk][ao]s	28	58	3.8:3.4	0.20850
			#31 o[fptk][ao]s	32	66	4.6:4.4	0.19183
			#2 ofor variants	5	7	1.7:0.6	0.41985
			#3 ofar variants	17	25	2.4:1	0.38660
			#21 ope0-4y	14	34	4.2:3.4	0.23335
			#23 [yo]fa	37	59	4.4:3.6	0.23072
			#45 ofc + e4 + y | dy | o + [lr] Superset	39	75	6.2:7	0.15042
			#27 yd[ao]i0-4r	7	13	1.6:1.4	0.21405
			#28 o[tk][ao]s	28	58	3.8:3.4	0.20850
			#31 o[fptk][ao]s	32	66	4.6:4.4	0.19183
Lice	14.7	0.15490	#3 osai0-4n	17	34	2:3.6	0.27916
			#15 osa	42	66	2:6.2	0.16592
			#19 faceys relatives	54	61	1.8:6.2	0.14702
			#8 te4o	32	75	3:6.6	0.23452
			#9 dody	10	17	1.8:4.4	0.21234
			#10 odcey relatives	29	34	2.4:6	0.20773
			#16 [yo]e4[fp]	23	23	1.8:5.6	0.16526
			#17 [yo][fptk]e4o	11	88	1.6:5.2	0.15731
			#18 [yo]c[fp]	50	62	3.4:11.3	0.15331
			#22 opce0-4dy	17	159	1.8:6.8	0.13132
			#23 [yo]e4 | c + [fp]	72	84	4.2:15.9	0.13098
			#29 ofce0-4y	13	23	1.2:5	0.11557
			#30 ofc + e0-4 + y | dy | o[dlrs]y	35	65	2.2:9.4	0.11168
			#35 ke4o	40	137	4.8:21.6	0.10384
Flea	7.4	0.07798	#8 o[fptk]e4os	27	106	3.5:5	0.25686
			#4 [yo]te4os	13	60	2.8:2.8	0.34510
			#15 od[ao]i0-4m	23	34	3.7:7.4	0.17843
			#47 o[fptk | dlrsmg][ao]m	87	280	8.9:23.6	0.11895
			#36 odai0-4l	67	133	7.5:18.4	0.13468
			#18 odcey relatives	29	34	2.8:5.6	0.17843
			#1 ofc + e4ol	6	9	1.6:0.4	0.64510
			#3 opar variants	17	48	1.8:1.4	0.40760
			#5 te4o	32	75	4.4:5.2	0.30343
			#27 [yo]c[fp]	50	62	4.7:10	0.16483
			#28 cpeo-initial	32	67	6:12.8	0.16425
			#29 [yo]pa	57	141	2.4:5.2	0.16089
			#42 [yo]e4 | c + [fp]	72	84	5.7:14.4	0.12868
			#46 [yo][fp]ai0-4[rn]	47	111	2.8:7.4	0.11961
			#50 [yo]e4[fp]	23	23	2:5.4	0.11537
Mosquito	3.6	0.03793	-	-	-	-	-
Spider Bites	-	-	-	-	-	-	-
Small Creature Bite Superset #2	54.9	0.57850	#29 o[fptk][ao]s	32	66	7.4:1.6	0.23529
			#125 o[fptk]e4os	27	106	5.9:2.6	0.10719
			#131 oe0-4s	271	632	36.7:16.6	0.10163
Scabies	14	0.14752	#10 [yo]ke4os	14	46	1.3:1.6	0.29549
			#25 o[fptk]e4os	27	106	2.9:5.6	0.18839
			#46 [yo]te4os	13	60	1.6:4	0.13292
			#5 t[yo]lc	9	9	1.2:1	0.39266
			#18 te4o	32	75	3.8:5.8	0.24304
			#27 [yo]fa	37	59	2.6:5.4	0.17221
			#32 ofc + e0-4 + y | dy | o[dlrs]y	35	65	3.6:8	0.15755
			#33 [yo]c[fp]	50	62	4.5:10.2	0.15333
			#19 odcey relatives	29	34	3.2:5.2	0.22816
			#35 odai0-4r	82	193	8.7:20.4	0.14618
Ringworm	10	0.10537	#5 o[fptk]c + e4os	10	15	1.6:2	0.33907
			#23 o[tk][ao]s	28	58	1.8:5.4	0.14463
			#7 otas variants	7	16	1.8:2.8	0.28593
			#2 opor variants	10	25	2.8:1.8	0.50333
			#4 ofai0-4n	6	10	1.8:1.8	0.39463
			#22 cfe4[yo]	12	26	2:6	0.14463
Other Cause Edge Cases							
Anthelmintic-Vermifuge	34.3	0.36143	#1 ceam nouns	10	15	4.2:0	0.59009
			#2 ce4g	21	27	3.2:0	0.59009
			#5 otom variants	4	6	2.6:0	0.59009
			#14 okom variants	6	13	3.4:0.6	0.44009
			#15 [yo][fptk]e4om	4	13	2.6:0.6	0.40259
			#20 a[dlrsmg]am	43	92	4.6:1.6	0.33203
			#23 o[fptk | dlrsmg]e4g	16	19	1.6:0.6	0.31736
			#25 okam variants	13	76	10.4:4.4	0.29279

			#27 o[fptk | dlrsmg][ao]m	87	280	22.4:10.2	0.27721
			#31 [yo]d[ao]i0-4m	25	37	7.8:3.8	0.26250
			#32 yodai0-4m	24	36	7.8:3.8	0.26250
			#33 od[ao]i0-4m	23	34	7.6:3.8	0.25676
			#34 odai0-4m	22	33	7.6:3.8	0.25676
			#50 otam variants	13	88	7:4.4	0.20413
			#57 om + o[fptk | dlrsmg]am	157	454	25:17.4	0.17971
			#62 g	87	132	11.8:8.6	0.16852
			#76 om	75	203	16.8:13.8	0.13911
			#86 [fptk]ai4m	5	20	1.8:1.6	0.11950

Table 21.2: Musculo-Skeletal Disorders and Bruises

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Musculo-Skeletal	52.4	0.55333	#1 odc-Nouns	7	7	1.6:0	0.44573
			#7 opc + e4ody	9	14	2.4:0	0.44573
			#9 od[fptk | dlrsmg] minus odl	14	14	2:0	0.44573
			#11 ofod variants	4	4	1.2:0	0.44573
			#15 [yo]doi0-4l	16	22	8.8:1	0.34369
			#30 [yo]ke4or	19	96	9.4:2.4	0.24234
			#38 odees variants	9	9	2:0.6	0.21496
			#40 odo	41	57	15.2:4.6	0.21341
			#49 otc + e4ody	11	29	7.4:2.6	0.18573
			#50 o[fptk]c + e4ody	33	75	14.2:5	0.18531
			#51 odcey relatives	29	34	6.2:2.2	0.18383
			#52 okc + e4ody	11	30	6.6:2.4	0.17906
Rheumatism	33.4	0.35269	#5 opc + e4ody	9	14	1.6:0.8	0.31472
			#7 otc + e4ody	11	29	6.4:3.6	0.28805
			#27 o[fptk]ody	17	85	9.6:8.6	0.17552
			#29 o[fptk]c + e4ody	33	75	10:9.2	0.16888
			#12 okod variants	26	74	8.8:5.6	0.25916
			#21 [yo][dlrsmg] + c | cs + e4o	11	15	1.4:1.2	0.18651
			#56 o[fptk][ao]d	81	185	12.6:14.6	0.11129
Musculo-Skeletal Disorder Sans Rheumatism	31.8	0.33580	#11 okc + e4ody	11	30	6.2:2.8	0.35169
			#12 opc + e4ody	9	14	1.6:0.8	0.32947
			#37 dody	10	17	3.2:3	0.17893
			#39 o[fptk]c + e4ody	33	75	9.8:9.4	0.17322
			#1 odc-Nouns	7	7	1.6:0	0.66280
			#2 ofod variants	4	4	1.2:0	0.66280
			#9 od[fptk | dlrsmg] minus odl	14	14	1.4:0.6	0.36280
			#29 odl	18	24	2.6:2.2	0.20447
			#30 [yo][dlrsmg] + c | cs + e4o	11	15	1.4:1.2	0.20126
Arthritis	20.8	0.21964	#8 e4n	11	13	3.6:3.8	0.26520
			#23 te4o	32	75	3.4:6.2	0.13288
			#9 dody	10	17	2.6:3.6	0.19806
			#17 otc + e4ody	11	29	3.8:6.2	0.15871
			#28 o[fptk]c + e4ody	33	75	6.6:12.6	0.12246
			#34 okc + e4ody	11	30	3:6	0.11204
			#1 od[fptk | dlrsmg] minus odl	14	14	1.4:0.6	0.47871
			#2 [yo][dlrsmg] + c | cs + e4o	11	15	1.4:1.2	0.31717
			#24 odo	41	57	7:12.8	0.13225
Gout	24.2	0.25554	#7 te4o	32	75	5.8:3.8	0.34706
			#3 okc + e4ody	11	30	6.4:2.6	0.45400
			#4 opc + e4ody	9	14	1.6:0.8	0.40956
			#15 o[fptk]c + e4ody	33	75	10:9.2	0.26372
			#42 otc + e4ody	11	29	4.2:5.8	0.16289
			#51 o[fptk]ody	17	85	7.2:11	0.13849
			#1 odc-Nouns	7	7	1.6:0	0.74289
			#2 ofod variants	4	4	1.2:0	0.74289
			#12 odl	18	24	2.6:2.2	0.28456
			#13 [yo][dlrsmg] + c | cs + e4o	11	15	1.4:1.2	0.28135
			#25 otod variants	35	88	7.2:8.4	0.20443
			#28 o[fptk]c + e4od	12	21	3:3.6	0.19744
			#35 odo	41	57	8.6:11.2	0.17723
			#47 [yo]te4od	41	149	4.8:7	0.14967
			#57 okod variants	26	74	5.6:8.8	0.13178
			#61 o[fptk][ao]d	81	185	10.4:16.8	0.12524
			#62 od[fptk | dlrsmg]	32	38	2.6:4.2	0.12524
Sprain/Fracture	9.8	0.10348	#2 opc + e4ody	9	14	1.6:0.8	0.56340
Sprain	7.8	0.08237	#25 okod variants	26	74	2.8:11.6	0.11225
Fracture	4.2	0.04435	-	-	-	-	-
Musculo-Skeletal Body Part	23.0	0.24287	#4 opc + e4ody	9	14	1.6:0.8	0.42431
			#14 otc + e4ody	11	29	5.2:4.8	0.27764
			#19 o[fptk]c + e4ody	33	75	9.4:9.8	0.24722
			#52 okc + e4ody	11	30	3.4:5.6	0.13542
			#3 od[fptk | dlrsmg] minus odl	14	14	1.4:0.6	0.45764
			#26 odcey relatives	29	34	3.8:4.6	0.21002
Joint	16.4	0.17318	#1 opc + e4ody	9	14	1.6:0.8	0.49386
			#2 okc + e4ody	11	30	5:4	0.38275
			#5 o[fptk]c + e4ody	33	75	9:10.2	0.29594
			#11 otc + e4ody	11	29	4.2:5.8	0.24719
			#21 otod variants	35	88	5.4:10.2	0.17334
			#26 [yo]te4od	41	149	3.8:8	0.14922
			#30 odcey relatives	29	34	2.6:5.8	0.13671

			#34 o[fptk]ody	17	85	5.4:12.8	0.12389
Muscle	16.6	0.17492	#4 opc + e4ody	9	14	1.4:1	0.40841
			#18 otc + e4ody	11	29	4:6	0.22508
			#36 o[fptk]c + e4ody	33	75	6:13.2	0.13758
			#20 okod variants	26	74	5.4:9	0.20008
			#47 o[fptk]ody	17	85	5.2:13	0.11079
			#24 [yo]te4od	41	149	4.2:7.6	0.18101
			#44 o[fptk][ao]d	81	185	7.8:19.4	0.11184
Bone	6.4	0.06758	#1 opc + e4ody	9	14	1.4:1	0.51589
			#5 yc + e4ol	7	34	2.4:7.6	0.17256
			#7 ocse4y	17	30	1.8:6.6	0.14685
			#14 oce4y + s infixes	49	90	3.4:15	0.11734
Intersecting Properties							
Bruise	23.6	0.24921	#5 olt	48	65	4:3	0.32275
			#87 o[fptk]c + e0-4o	39	101	9.2:21.4	0.05197
Burn	29.7	0.31362	#30 o[fptk]c + e0-4o	39	101	13.8:16.8	0.13591
			#40 [yo][fptk | dlrsmg] + c | cs + e4o	47	113	13.8:18	0.11889
			#41 otc + e4o	15	44	7.2:9.4	0.11866
			#45 okc + e4o	16	49	7.6:10.2	0.11190
Scald	5.0	0.05280	#39 [yo][fptk | dlrsmg] + c | cs + e4o	47	113	2.2:29.6	0.01649
Sunburn	4.8	0.05069	#93 [yo][fptk | dlrsmg] + c | cs + e4o	47	113	2.2:29.6	0.01860

Table 21.3: Hematological and Female-Specific Targets

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Blood-Related	55.8	0.58923	#22 yce4y	9	53	10:1.2	0.30487
			#26 yce4y + infixed versions	20	87	11.4:2	0.26276
			#27 yce4y + s infixes	17	82	11.4:2	0.26276
			#40 ocse4y	17	30	6.6:1.8	0.19772
			#47 [yo]cse4y	24	57	8.6:2.6	0.17987
			#17 odl	18	24	4.6:0.2	0.37034
			#6 yd[ao]i0-4l	9	11	2.4:0	0.41201
			#7 ydai0-4l	8	10	2.4:0	0.41201
			#33 yd[ao]i0-4[lr]	16	24	4.4:1	0.22682
External Bleeding Superset	36.2	0.38226	#47 ocse4y	17	30	4.6:3.8	0.16617
			#51 [yo]cse4y	24	57	6:5.2	0.15426
			#62 yc[s | fptk]e4y	11	34	1.4:1.4	0.11855
			#63 ycse4y	8	29	1.4:1.4	0.11855
			#69 yce4y	9	53	5.4:5.8	0.10069
			#3 ydai0-4l	8	10	2.4:0	0.61855
			#22 yd[ao]i0-4r	7	13	2:1	0.28522
			#14 od[fptk | dlrsmg]	32	38	5:1.8	0.35384
			#10 odl	18	24	3.8:1	0.41022
			#32 od[fptk | dlrsmg] minus odl	14	14	1.2:0.8	0.21855
Astringent	27.6	0.29145	#36 ycse4y	8	29	1.2:1.6	0.13774
			#37 yc[s | fptk]e4y	11	34	1.2:1.6	0.13774
			#6 yd[ao]i0-4r	7	13	2:1	0.37584
			#18 ydai0-4l	8	10	1.4:1	0.29250
			#13 od[fptk | dlrsmg]	32	38	4.2:2.6	0.32682
			#11 odl	18	24	3:1.8	0.33417
			#14 od[fptk | dlrsmg] minus odl	14	14	1.2:0.8	0.30917
Bleeding	16.2	0.17107	#23 ocse4y	17	30	2.6:5.8	0.13881
			#25 [yo]cse4y	24	57	3.4:7.8	0.13286
			#11 orcey relatives	17	26	3.4:4.2	0.27666
			#3 odl	18	24	3.4:1.4	0.53762
			#8 od[fptk | dlrsmg]	32	38	3.4:3.4	0.32929
			#2 ydai0-4l	8	10	2.4:0	0.82929
			#5 ydai0-4[lr]	14	22	2.4:2	0.37474
Cut	13.2	0.13939	#11 yce4y	9	53	3.8:7.4	0.20020
			#15 yce4y + infixed versions	20	87	3.8:9.6	0.14449
			#16 yce4y + s infixes	17	82	3.8:9.6	0.14449
Haemoptysis	3.2	0.03379	#3 odcey relatives	29	34	1.6:6.8	0.15676
			#6 [dlrsmg] + c | c[s | fptk] + e4o	16	49	1.6:9.2	0.11443
Hemorrhage	3.2	0.03379	-	-	-	-	-
Nosebleed	2.8	0.02957	-	-	-	-	-
Non-External Bleeding (apart from Menstrual)							
Internal Bleeding	3.2	0.03379	#1 odl	18	24	1.4:3.4	0.25795
			#5 od[fptk | dlrsmg]	32	38	1.4:5.4	0.17216
			#16 otam variants	13	88	1.6:9.8	0.10663
Blood Purifier	14.2	0.14995	#31 yce4y	9	53	3:8.2	0.11823
			#62 yce4y + infixed versions	20	87	3:10.4	0.07425
			#63 yce4y + s infixes	17	82	3:10.4	0.07425
			#37 odai0-4l	67	133	6.6:19.8	0.10037
			#48 od[ao]i0-4r	94	215	7.2:24	0.08114
			#57 yodai0-4r	88	205	6.6:22.8	0.07486
			#58 odai0-4r	82	193	6.6:22.8	0.07486
			#60 [yo]d[ao]i0-4m	25	37	2.6:9	0.07451
			#61 yodai0-4m	24	36	2.6:9	0.07451

Cardiotonic	3.4	0.03590	-	-	-	-	-
Heart	20.4	0.21542	#43 ady	25	36	3:5.6	0.13388
			#25 ece polygraph	144	219	7.4:11.2	0.18289
			#8 ece Verb	9	9	1.4:1	0.36837
			#26 ece Noun	93	142	3.8:5.8	0.18087
			#31 ece Adjective	43	69	3:5	0.16004
			#2 od[fptk | dlrsmg] minus odl	14	14	1.4:0.6	0.48504
			#21 od[fptk | dlrsmg]	32	38	2.8:4	0.19680
			#10 oi4n	4	58	2.4:2	0.33049
			#53 oi4n Superset	79	257	11.6:23.4	0.11647
			#54 oi	111	304	12.4:25.4	0.11308
			#32 faceys relatives	54	61	3:5	0.16004
Menstrual	36.8	0.38860	#6 yce4y	9	53	9.6:1.6	0.46936
			#9 yce4y + infixed versions	20	87	10.4:3	0.38834
			#10 yce4y + s infixes	17	82	10.4:3	0.38834
			#31 [yo]ce4y	41	113	13.8:9.4	0.20705
			#35 [yo]ce4y + s infixes	66	172	16.8:11.6	0.20377
			#54 ocse4y	17	30	4.6:3.8	0.15984
			#61 [yo]cse4y	24	57	6:5.2	0.14793
			#18 ykai0-4n	14	73	10.8:4.6	0.31352
			#41 ytai0-4n	4	59	3.4:2.6	0.17889
			#22 de-Initial	29	41	5.4:2.6	0.28722
			#29 aro[dlrsmg]	56	105	4.8:2.8	0.24380
			#37 odl	18	24	2.8:2	0.19555
			#50 old	110	225	21.4:17.2	0.16662
PMS	7.0	0.07392	#1 oi4n	4	58	2:2.4	0.38079
			#2 e4n	11	13	2.8:4.6	0.30462
			#3 yc + e4ol	7	34	3.4:6.6	0.26624
			#4 yc + e4o	8	38	2:4.2	0.24882
			#16 yd[ao]i0-4n	11	40	3:11.8	0.12894
			#17 ydai0-4n	11	40	3:11.8	0.12894
			#23 odai0-4l	67	133	5:21.4	0.11563
Dysmenorrhea	9.6	0.10137	#9 yce4y	9	53	2.8:8.4	0.14884
			#13 yce4y + infixed versions	20	87	3:10.4	0.12272
			#14 yce4y + s infixes	17	82	3:10.4	0.12272
			#16 oc[fpt]e4y	52	132	5.8:21.4	0.11208
			#19 oce4y	32	60	2.6:10.2	0.10197
			#17 orcey relatives	17	26	1.6:6	0.10937
			#9 yce4y	9	53	2.8:8.4	0.14884
Emmenagogue	8.2	0.08659	#6 oe4y	27	66	2.4:5.8	0.20627
			#36 yce4y	9	53	1.8:9.4	0.07430
			#51 yce4y + infixed versions	20	87	1.8:11.6	0.04792
			#52 yce4y + s infixes	17	82	1.8:11.6	0.04792
Amenorrhea	6.8	0.07181	#13 oce4y + s infixes	49	90	3:15.4	0.09139
			#14 oc[fpt]e4y	52	132	4.4:22.8	0.09011
			#25 ocse4y	17	30	1.2:7.2	0.07121
			#29 oce4y	32	60	1.8:11	0.06898
			#45 [yo]ce4y	41	113	2.8:20.4	0.04904
Menorrhagia	2.8	0.02957	#7 oce4y	32	60	1.4:11.4	0.07988
			#9 oce4y + s infixes	49	90	2:16.4	0.07920
			#18 [yo]ce4y + s infixes	66	172	2.2:26.2	0.04796
			#33 [yo]ce4y	41	113	1.4:21.8	0.03084
Menopause	2.0	0.02112	-	-	-	-	-
Gynecological							
Pregnancy	9.0	0.09504	#1 okom variants	6	13	2.2:1.8	0.45516
			#4 ceam nouns	10	15	1.4:2.8	0.23849
			#6 od[ao]i0-4m	23	34	3.6:7.8	0.22095
			#7 odai0-4m	22	33	3.6:7.8	0.22095
			#8 yodai0-4m	24	36	3.6:8	0.21550
			#9 [yo]d[ao]i0-4m	25	37	3.6:8	0.21550
			#11 okam variants	13	76	4.4:10.4	0.20246
			#2 odees variants	9	9	1.4:1.2	0.44362
			#10 de-Initial	29	41	2.4:5.6	0.20516
			#17 yd[ao]i0-4n	11	40	3.4:11.4	0.13489
			#18 ydai0-4n	11	40	3.4:11.4	0.13489
Labor Induction	6.4	0.06758	#1 okom variants	6	13	1.4:2.6	0.28256
			#2 ceam nouns	10	15	1.4:2.8	0.26589
			#4 okam variants	13	76	3.8:11	0.18932
			#8 odai0-4m	22	33	2.8:8.6	0.17817
			#9 od[ao]i0-4m	23	34	2.8:8.6	0.17817
			#10 yodai0-4m	24	36	2.8:8.8	0.17394
			#11 [yo]d[ao]i0-4m	25	37	2.8:8.8	0.17394
			#14 otam variants	13	88	2.6:8.8	0.16063
			#3 odl	18	24	1.4:3.4	0.22423
			#5 ady	25	36	2.2:6.4	0.18837
			#6 de-Initial	29	41	2:6	0.18256
Abortifacient	14.6	0.15417	#26 yce4y	9	53	3.6:7.6	0.16126
			#33 ocke4y	38	162	6.6:15.2	0.14258
			#44 yce4y + s infixes	17	82	3.6:9.8	0.10849
			#51 aro[dlrsmg]	56	105	2:5.6	0.10299
			#12 [dlrsmg] + ai4m	3	20	2:3.4	0.21020

			#15 odai0-4m	22	33	4:7.4	0.19071
			#16 okom variants	6	13	1.4:2.6	0.18983
			#20 [yo]d[ao]i0-4m	25	37	4:7.6	0.18466
			#21 yodai0-4m	24	36	4:7.6	0.18466
			#22 [fptk | dlrsmg] + c | c[s | fptk] + e4om	12	54	5.2:10	0.18194
			#25 ceam nouns	10	15	1.4:2.8	0.17316
			#34 otam variants	13	88	3.4:8	0.13808
			#36 okam variants	13	76	4.2:10.6	0.12361
			#9 [yo]e4 | c + [fp]	72	84	8.2:12.2	0.24179
			#19 [yo]c[fp]	50	62	5.2:9.8	0.18650
			#41 te4o	32	75	2.6:7	0.11066
			#10 o[fptk]e4os	27	106	3.6:5.4	0.23983
			#5 oe4y	27	66	4:4.2	0.32763
Womb	6.0	0.06336	-	-	-	-	-
Vaginal	3.6	0.03801	-	-	-	-	-
Douche	2.0	0.02112	-	-	-	-	-
Ovarian Cancer	1.4	0.01478	-	-	-	-	-
Breast-Related							
Breast	15.8	0.16684	#21 ols	51	93	7.4:11.2	0.22925
			#30 olcey relatives (non -edy)	47	138	5.4:10	0.18205
			#28 ydai0-4n	11	40	5.2:9.6	0.18275
			#29 yd[ao]i0-4n	11	40	5.2:9.6	0.18275
			#10 yc + e4ol	7	34	5.4:4.6	0.37140
			#39 ocse4y	17	30	2.8:5.6	0.16473
			#48 [yo]cse4y	24	57	3.4:7.8	0.13497
Lactation	8.4	0.08870	#1 ceam nouns	10	15	2:2.2	0.38768
			#7 a[lr]o Endings	23	35	2.2:5.8	0.18649
			#10 ols	51	93	4.8:13.8	0.16955

Table 22.1: Other Noxious Skin Diseases[6]

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Symptoms							
Inflammatory Skin Disease	91.9	0.97043	-	-	-	-	-
Itch Symptom	60.3	0.63675	#20 o[tk][ao]s	28	58	6.6:0.6	0.28126
			#36 o[fptk][ao]s	32	66	7.4:1.6	0.18681
			#14 t[yo]lc	9	9	2.2:0	0.36459
			#32 te4o	32	75	8:1.6	0.19792
			#33 ce0-4s	43	165	12.6:2.6	0.19354
Itch	24.7	0.26082	#12 o[tk][ao]s	28	58	4.2:3	0.32095
			#16 o[fptk][ao]s	32	66	5:4	0.29318
			#1 t[yo]lc	9	9	2.2:0	0.73762
			#13 ce0-4s	43	165	8.8:6.4	0.31657
Swelling	26.6	0.28030	#1 ofod variants	4	4	1.2:0	0.71970
			#2 ofc + e4ol	6	9	2:0	0.71970
			#12 opc + e4or	6	16	3:2.2	0.29662
			#13 opor variants	10	25	2.6:2	0.28492
			#15 ofc + e4or	4	7	1.2:1	0.26515
Sore	18.9	0.19958	-	-	-	-	-
Eruptive Skin Disease	50.9	0.53635	#135 o[fptk]c + e0-4y	144	753	43.1:29.4	0.05813
			#42 opce0-4y	25	111	12.5:6.2	0.13210
			#43 okce0-4y	59	338	32.5:16.2	0.13100
			#140 otce0-4y	47	281	33.4:23	0.05585
Acne	15.0	0.15839	#60 olk	187	557	3.6:11.8	0.07571
			#12 ol + c | cs + e4o[lr]	18	34	1.6:3	0.18977
			#2 ofar variants	17	25	2:1.4	0.43018
			#8 [yo]fa	37	59	3:5	0.21694
			#35 [yo]py	13	33	2:5.6	0.10510
			#52 opce0-4y	25	111	4.6:14.4	0.08405
			#83 otce0-4dy	19	172	2.6:9.4	0.05861
			#14 yce4y	9	53	3.6:7.6	0.16337
			#11 odo	41	57	7:12.8	0.19548
Wart	13.3	0.14044	#44 opce0-4y	25	111	4.6:14.4	0.10196
			#21 opc + e4or	6	16	1.6:3.6	0.16754
			#34 o[lr]y	121	318	10:28.8	0.11758
			#71 ory	50	108	4.4:16.4	0.07139
			#58 oly	77	222	6.2:20.8	0.08948
			#137 ora	98	241	3.6:17.4	0.03128
			#130 olai0-4n	37	126	1.6:7.6	0.03376
Boil	12.0	0.12672	#15 opc + e4ol	11	31	2:5.2	0.12183
			#16 opce0-4y	25	111	5.2:13.8	0.11773
			#24 orcey relatives	17	26	1.8:5.8	0.08089
			#10 c[fp]e4y + added c-sequences	21	69	5:11.6	0.14525
			#11 oce4y	32	60	3.8:9	0.14093
			#14 eko	25	38	2.6:6.6	0.12666
Carbuncle	1.4	0.01475	#1 [yo][fp]y	22	44	1.4:8.8	0.12250
			#2 [yo]cp	29	38	1.2:10	0.09239
			#6 opce0-4y	25	111	1.4:17.6	0.05893
			#7 c[fp]e4y + added c-sequences	21	69	1.2:15.4	0.05754
			#8 oce4y + s infixes	49	90	1.2:17.2	0.05047
			#16 [yo]ce4y	41	113	1.2:22	0.03697
			#24 otc + e4ol	13	66	1.2:26.6	0.02842
Whitlow	2.6	0.02746	#13 okc + e4or	14	54	1.2:17	0.03853
			#14 opce0-4y	25	111	1.2:17.8	0.03576
			#33 okce0-4y	59	338	2.2:47	0.01732
			#44 otce0-4y	47	281	2.2:54.2	0.01161
			#77 o[fptk]c + e0-4y	144	753	2.2:70.6	0.00282
			#8 oc[fpt]e4y	52	132	2.2:25	0.05348

[6] The rankings are omitted for a few high-incidence properties due to differences in the filters used here vs. the accompanying discussions in Volume II.

			#2 yc + e4or	5	34	1.6:8.6	0.12946
Ulcer	31.4	0.33157	#7 ope0-4y	14	34	5.6:2	0.40597
			#8 [yo]py	13	33	5.6:2	0.40597
			#17 [yo][fp]y	22	44	6.2:4	0.27697
			#30 [yo]e4[fp]	23	23	3.8:3.6	0.18264
Abscess	6.4	0.06758	#48 otce0-4y	47	281	5.6:50.8	0.03185
			#67 okce0-4y	59	338	4.4:44.8	0.02199
			#84 o[fptk]c + e0-4y	144	753	6:66.8	0.01498
			#97 yodai0-4l	75	143	2.2:25.8	0.01113
			#25 ory	50	108	2.6:18.2	0.05756
			#89 oly	77	222	2.2:24.8	0.01404
			#63 o[lr]y	121	318	3.6:35.2	0.02534
Blister	2.2	0.02323	#28 okce0-4y	59	338	2.2:47	0.02154
Non-Eruptive Skin Disease	24.6	0.25977					
Wound	52.3	0.55227	#1 orcey relatives	17	26	7.6:0	0.44679
Eczema	23.6	0.24921	ofe0-4y	8	10	2:1.6	0.29634
			[yo]fy	8	10	2:1.6	0.29634
			ofce0-4y	13	23	3:3.2	0.22465
			ofc + e0-4 + y | dy | o[dlrs]y	35	65	5.4:6	0.21446
			ofc + e4 + y | dy | o + [lr] Superset	39	75	5.8:7.2	0.18693
			opc + e4ol	11	31	3.2:4	0.18522
Psoriasis	11.4	0.12038	ofce0-4dy	12	32	1.2:2.6	0.19566
			ofc + e0-4 + y | dy | o[dlrs]y	35	65	3.2:8.2	0.16057
			ofc + e4 + y | dy | o + [lr] Superset	39	75	3.2:9.8	0.12602
			opce0-4y	25	111	4.6:14.4	0.12198
Erysipelas	8.2	0.08659	ofce0-4y	13	23	1.8:4.4	0.20181
			ofc + e0-4 + y | dy | o[dlrs]y	35	65	2.6:8.8	0.13956
			ofc + e4 + y | dy | o + [lr] Superset	39	75	2.6:10.4	0.11149
Scab	4.0	0.04224	#2 opc + e4ol	11	31	1.2:6	0.12452
Chilblain	4.0	0.04224	-	-	-	-	-
Fistula	2.8	0.02957	-	-	-	-	-
Disfiguring Skin Disease	33.8	0.35616	opc + e4or	6	16	4.2:1	0.45153
			ofce0-4dy	12	32	2.8:1.2	0.34384
			ofc + e4ol	6	9	1.2:0.8	0.24384
			opc + e4ol	11	31	4.2:3	0.22717
Communicable Skin Disease	33.5	0.35300	ofai0-4n	6	10	3.6:0	0.64700
			o[fptk]c + e4od	12	21	5.1:1.2	0.45652
			opor variants	10	25	3.6:1	0.42961
			yc + e4ol	7	34	6.4:3.6	0.28700
Scrofula	10.6	0.11193	see Table 20.6				
Pandemic Skin Disease	17.8	0.18757	ofc + e4ol	6	9	1.2:0.8	0.41243
			opc + e4or	6	16	2.8:2.4	0.35089
			ofce0-4dy	12	32	1.8:2.2	0.26243
			opol variants	15	25	1.8:2.2	0.26243
Plague	12.0	0.12672	ofc + e4ol	6	9	1.2:0.8	0.46301
			opol variants	15	25	1.8:2.2	0.31301
			ofce0-4dy	12	32	1.6:2.2	0.28406
			opc + e4or	6	16	1.6:3.6	0.17070
			ofc + e0-4 + y | dy | o[dlrs]y	35	65	3.2:8.2	0.14371
			[yo][fp][yoa]	181	339	6:27.8	0.04052
Leprosy	6.0	0.06336	[yo]c + e4ody	34	48	3.6:12	0.16544
			opc + e4or	6	16	1.2:4	0.16544
			opc + e0-4 + y | dy | o[dlrs]y	69	302	3.2:24.2	0.05146
Other Infection-Related							
Skin Infection	12.0	0.12672	#3 orcey relatives	17	26	3.6:4	0.34723
			#12 eko	25	38	2.6:6.6	0.15616
			#10 oo + oe4o	99	133	6.6:15	0.17911
Antiseptic	20.8	0.21964	#2 [yo]fy	8	10	2.6:1	0.50304
			#3 ofe0-4y	8	10	2.6:1	0.50304
			#18 ofc + e0-4 + y | dy | o[dlrs]y	35	65	4.8:6.6	0.20187
			#39 ofce0-4y	13	23	2.2:4	0.13566
			#44 ofc + e4 + y | dy | o + [lr] Superset	39	75	4.4:8.6	0.11928
			#8 yce4y	9	53	5.6:5.6	0.28082
			#6 eko	25	38	4.8:4.4	0.30256
			#13 e[tk]o	40	60	7.4:8.2	0.25518
			#17 eto	15	22	3.2:3.8	0.23796
			#30 oo + oe4o	99	133	8:13.6	0.15119
			#33 orcey relatives	17	26	2.8:4.8	0.14924
			#49 ory	50	108	6.8:14	0.10774
Antiseptic Superset	59.6	0.62936	#1 opor variants	10	25	4.6:0	0.37197
			#7 ofe0-4y	8	10	3.6:0	0.37197
			#8 ofar variants	17	25	3.4:0	0.37197
			#61 [yo]fa	37	59	6:2	0.12197
			#19 [yo]fai0-4[rn]	23	35	6:1	0.22911
			#45 [yo]e4[fp]	23	23	5.8:1.6	0.15575
			#4 et-initial	9	11	5.6:0	0.37197
			#21 eta	45	71	9.2:1.6	0.22382
			#52 eto	15	22	5.4:1.6	0.14340
			#46 eko	25	38	7.2:2	0.15458
Method of Action							
Core Balm Set	11.8	0.12434	okc + e4or	14	54	6:12.2	0.20533
			o[fptk]c + e0-4or	34	135	8.6:28.8	0.10561
			otc + e4ol	13	66	5.8:22	0.08429
			otor variants	19	113	5.2:20.6	0.07721
			okce0-4y	59	338	9.8:39.4	0.07485
			o[fptk]c + e0-4ol	40	159	7.2:31.2	0.06316
			o[fptk]c + e0-4or	34	135	8.6:28.8	0.10561
Balm Superset	36.5	0.38462	o[fptk]c + e0-4or	34	135	18.8:18.6	0.11805
			o[fptk]c + e0-4ol	40	159	18.8:19.6	0.10496
			otol variants	42	239	20:25.2	0.05786
Treatable by Balm #1	85.1	0.89673	otor variants	19	113	25.8:0	0.10327
			okc + e4ol	12	55	18.2:0	0.10327
			okce0-4y	59	338	47.4:1.8	0.06668
			oke4dy	35	933	17:1.2	0.03734

Treatable by Balm #2	65.4	0.68915	okc + e4ol	12	55	15.6:2.6	0.16799
			otc + e4or	10	58	21.2:5	0.12001
			okce0-4y	59	338	38.6:10.6	0.09540
			otai0-4n	21	430	24.6:7	0.08933
			oke4dy	35	933	12.6:5.6	0.00316
Moisturizer-Emollient	11.8	0.12434	#17 otal variants	43	333	5.8:15.4	0.14924
			#73 otar variants	44	345	3.8:19.4	0.03945
			#108 a-axis of [yo][fptk][ao][lr]	218	1731	7.4:42.8	0.02307
Skin Governed by Jupiter	16.8	0.17703	[yo]tai0-4n	26	490	8.8:26	0.07584
			otai0-4n	21	430	7.8:23.8	0.06981
			otor variants	19	113	6:19.8	0.05553
			otc + e4or	10	58	6:20.2	0.05198
Anti-Inflammatory	57	0.60063	#3 orcey relatives	17	26	7.6:0	0.39937
			#13 ydai0-4l	8	10	2.4:0	0.39937
			#27 ydai0-4n	11	40	13.2:1.6	0.29126
			#35 okc + e4ody	11	30	7.6:1.4	0.24381
			#38 okc + e4ol	12	55	15.2:3	0.23453
			#48 otas variants	7	16	3.6:1	0.18198
			#50 e[tk]o	40	60	12.2:3.4	0.18142
			#55 otc + e4ol	13	66	21.4:6.4	0.16915
			#62 otc + e4or	10	58	20:6.2	0.16273
			#81 o[tk][ao]s	28	58	5.2:2	0.12159
			#84 otol variants	42	239	32.6:12.6	0.12061
			#88 okol variants	43	285	26:10.4	0.11366
			#4 ytai0-4n	4	59	6:0	0.39937
			#79 ykai0-4n	14	73	11.2:4.2	0.12664
			#83 [yo]fai0-4n	6	10	2.6:1	0.12159
Inflammatory	17.6	0.18546	#1 opar variants	17	48	2:1.2	0.43954
			#2 opc + e4ody	9	14	1.4:1	0.39787
			#5 [yo]pa	57	141	3.6:4	0.28822
			#6 opol variants	15	25	1.8:2.2	0.26454
			#8 opal variants	15	42	1.6:2.2	0.23559
			#9 opc + e4ol	11	31	3:4.2	0.23121
			#12 opor variants	10	25	1.8:2.8	0.20584
			#26 oe0-4[fp]oe0-4[lr]	42	71	3.2:6.6	0.14107
			#32 opc + e4or	6	16	1.6:3.6	0.12223
			#44 [yo]po	44	70	2.6:6.4	0.10343
			#35 [yo]cp	29	38	3.4:7.8	0.11811
			#23 cpeo-initial	32	67	6.2:12.6	0.14433
			#33 cpe4[yo]	36	94	7.8:17.6	0.12163
			#37 cpe4y	4	27	2.8:6.6	0.11241
Blemish Removal	67.7	0.71338	opc + e4or	6	16	5.2:0	0.28662
			[yo][fp]y	22	44	9.4:0.8	0.20819
			ope0-4y	14	34	6.8:0.8	0.18136
			[yo]py	13	33	6.8:0.8	0.18136
			[yo]fa	37	59	7:1	0.16162
Blemish Ablation	56.9	0.59958	-	-	-	-	-
Tumor	17.8	0.18796	#3 opc + e4ody	9	14	1.4:1	0.39576
			#10 opc + e4or	6	16	2.2:3	0.23551
			#14 [yo]e4[fp]	23	23	3:4.4	0.21784
			#16 opor variants	10	25	1.8:2.8	0.20373

Table 22.2: Skin Discoloration and Beautification Properties

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Body Parts							
Face	20.4	0.21496	#32 olk	187	557	5.8:9.6	0.16166
Hair	13.5	0.14226	#3 e4n	11	13	3:4.4	0.26315
			#9 c + e4 + [fptk] Endings	37	60	3.6:7.4	0.18501
			#23 c + e4 + [fptk] Nouns	26	31	1.8:5.2	0.11488
			#5 o[fptk]ce4[lrsmg]	50	57	2.6:4.6	0.21885
			#27 [dlrsmg] + c | c[s | fptk] + e4dy	20	327	3.2:9.6	0.10774
			#11 c[fptk]e4dy	6	37	1.8:4.2	0.15774
			#31 dcedy relatives	6	85	2.8:8.6	0.10335
			#22 yc + e4o	8	38	1.6:4.6	0.11580
			#24 yc + e4or	5	34	2.6:7.6	0.11264
			#14 [yo]doi0-4l	16	22	2.8:7	0.14345
			#20 [yo]doi0-4[ln]	18	24	2.8:8	0.11700
Scalp	13.4	0.14120	#1 e4n	11	13	3.6:3.8	0.34529
			#2 o[fptk]ce4[lrsmg]	50	57	3.2:4	0.30324
BeautificationSuperset	54.6	0.57534					
Cosmetics							
Cosmetic	19.4	0.20443	#57 olk	187	557	4.8:10.6	0.10726
			#45 ol[tk]	234	621	6.8:13.4	0.13220
			#103 ydai0-4n	11	40	4:10.8	0.06584
			#174 odai0-4n	108	408	12.2:39.6	0.03109
			#34 yc + e4ol	7	34	3.6:6.4	0.15557
			#44 yce4y	9	53	3.8:7.4	0.13486
			#53 oc[fpt]e4y	52	132	8.6:18.6	0.11175
			#59 [yo]c + e4dy	45	110	3:6.8	0.10169
Aging	12.6	0.13277	#13 ydai0-4n	11	40	4.6:10.2	0.17804
			#155 yodai0-4n	119	448	8.6:48.5	0.01784
			#22 okol variants	43	285	9.8:26.8	0.13499
			#37 ykai0-4n	14	73	3.6:11.8	0.10100
			#79 [yo]kai0-4n	49	1067	8.6:37.6	0.05338
Wrinkle	7.4	0.07798	#51 yodai0-4m	24	36	1.6:9.7	0.06361
			#74 odai0-4m	22	33	1.4:9.7	0.04815
			#75 od[ao]i0-4m	23	34	1.4:9.7	0.04815
			#143 yodai0-4[lrm | n]	306	832	6.8:62.7	0.01986
			#175 yodai0-4n	119	448	5.2:51.9	0.01309

			#10 ytai0-4n	4	59	1.6:4.4	0.18869
Scar	4.9	0.05163	#12 o[fptk]eda[lrsm | n]	87	184	2:7.2	0.16576
			#20 [yo]c + e4dy	45	110	1.6:8.2	0.11164
			#21 yce4y	9	53	1.8:9.4	0.10908
			#17 okal variants	54	544	4.8:23.2	0.11980
			#18 okce0-4dy	15	188	2:9.8	0.11786
			#22 o[fptk]c + e0-4dy	66	554	3.2:17	0.10679
			#6 c + e4 + [fptk] Nouns	26	31	1.8:5.2	0.20551
			#11 c + e4 + [fptk] Endings	37	60	2.4:8.6	0.16655
			#19 c-sequence + e4 + [fptk] + c-sequence + e4 + y	43	84	3.4:17	0.11504
Pigment Disorder	28.4	0.29926	#15 o[fptk]edar	30	72	2.6:1.6	0.31979
			#20 o[fptk][dlrsmg]	49	68	4.2:3	0.28407
			#63 o[fptk]eda[lrsm | n]	87	184	3.8:5.4	0.11378
			#5 ydai0-4l	8	10	2.2:0.2	0.61741
			#32 ydai0-4n	11	40	7.6:7.2	0.21425
			#30 yc + e4ol	7	34	5.2:4.8	0.22074
			#39 yc + e4o[lr]	12	68	9.2:9.4	0.19536
			#48 yc + e4o	8	38	2.8:3.4	0.15235
			#49 yc + e4or	5	34	4.6:5.6	0.15172
Freckle	8.4	0.08851	#27 olk	187	557	3.6:11.8	0.14526
			#7 yc + e4o	8	38	2.2:4	0.26633
			#43 yc + e4ol	7	34	2:8	0.11149
			#4 ofar variants	17	25	1.4:2	0.32325
			#10 [yo]fai0-4[rn]	23	35	2.2:4.8	0.22578
			#11 [yo][fp]ai0-4[rn]	47	111	3.2:7	0.22522
			#17 [yo]fa	37	59	2.2:5.8	0.18649
			#22 [yo][fp]a	94	200	4:11.6	0.16790
			#25 [yo]pa	57	141	1.8:5.8	0.14833
Jaundice	14.7	0.15490	#2 ydai0-4l	8	10	2.2:0.2	0.76177
			#12 yc + e4ol	7	34	4.2:5.8	0.26510
			#33 o + c | cs + e4o	21	26	2.2:4.6	0.16863
			#42 ol + c | cs + e4o[lr]	18	34	1.4:3.2	0.14945
			#48 ocse4y	17	30	2.4:6	0.13081
			#54 yc + e4o[lr]	12	68	5.2:13.4	0.12467
			#61 [yo]cse4y	24	57	3:8.2	0.11296
			#65 [yo]c + e4dy	45	110	2.6:7.2	0.11041
Skin Whitening	5.8	0.06112	#4 yce4y	9	53	2.6:8.6	0.17102
			#8 yce4y + infixed versions	20	87	2.6:10.8	0.13291
			#9 yce4y + s infixes	17	82	2.6:10.8	0.13291
			#16 ydai0-4n	11	40	2.4:12.4	0.10104
Rubefacient	6.2	0.06533	#9 [yo]cp	29	38	3:8.2	0.20253
			#19 [yo]c[fp]	50	62	3:12	0.13467
			#25 [yo]e4 | c + [fp]	72	84	3.8:16.6	0.12094
			#23 opce0-4dy	17	159	1.6:6.6	0.12979
			#1 opar variants	17	48	2:1.2	0.55967
			#3 opal variants	15	42	1.4:2.4	0.30309
			#16 olk	187	557	3.4:12	0.15545
			#17 yce4y	9	53	2.4:8.8	0.14896
Rosacea	1.8	0	#24 [yo]ce4y + infixed versions	156	466	1.8:49.8	0.01591
			#25 oce4y + infixed versions	136	379	1.6:45.8	0.01479
			#8 okor variants	26	122	1.2:21.6	0.03366
			#9 otc + e4ol	13	66	1.4:26.4	0.03139
			#11 okol variants	43	285	1.6:34.8	0.02499
			#21 okce0-4y	59	338	1.8:47.4	0.01762
			#13 or[yoa]	198	438	1.8:41.8	0.02231
Color Superset	**45.9**	**0.48367**	#85 [yo]c + e4o Superclass	205	345	32.4:20.6	0.12765
			#14 yc + e4or	5	34	9:1.2	0.39868
			#22 o + c | cs + e4ol	28	48	11:2.6	0.32515
			#23 yc + e4o[lr]	12	68	14.8:3.8	0.31203
			#25 ol + c | cs + e4o[lr]	18	34	3.6:1	0.29894
			#33 yc + e4ol	7	34	7.4:2.6	0.25633
			#58 yce4y	9	53	7.2:4	0.15919
			#59 yc[s | fptk]e4y	11	34	1.8:1	0.15919
			#60 ycse4y	8	29	1.8:1	0.15919
			#68 o + c | cs + e4o[lr]	59	88	14.8:8.8	0.14345
			#71 yce4y + infixed versions	20	87	8.4:5	0.14320
			#72 yce4y + s infixes	17	82	8.4:5	0.14320
			#83 o + c | cs + e4o	21	26	4.2:2.6	0.13398
			#24 o[fptk]eda[lrsm | n]	87	184	7.2:2	0.29894
			#17 o[fptk]edai4n	36	59	3.4:0.6	0.36633
			#21 o[fptk]edar	30	72	3.4:0.8	0.32585
			#36 o[fptk]edam	7	13	1.6:0.6	0.24360
			#49 o[fptk][dlrsmg]	49	68	4.8:2.4	0.18300
			#30 [yo]fa	37	59	6:2	0.26633
			#92 [fptk]ai4[dlrsmg | n]	33	411	20.6:13.6	0.11867
Dye	21.3	0.22445	#8 yc + e4or	5	34	7:3.2	0.46182
			#20 yc + e4o[lr]	12	68	8.2:10.4	0.21641
			#25 yc[s | fptk]e4y	11	34	1.2:1.6	0.20412
			#26 ycse4y	8	29	1.2:1.6	0.20412

Table 23.1: 2D Semantic Map Covering the Major Noun Hierarchies

Trailing Consonant		**Anatomical Target/Cause – no c-superclass Organic (Person)**		**Ingredient Hierarchy – 1 c-superclass marker Mainly Organic (Herbal) Solids**		**Color/Symptom (Diagnostic Criteria, especially of skin tones?)**		**Problem/Disease (Organic)**		**Remedy o[fptk][ao]-axis – no c-superclass, 2 *o* noun slots "dry, simple" vs. "liquid, complex, dispensable in baths" → Extensions by Additional Syllables**			
-o	it/thing/whole?	o	person/body/woman	ceo	plant, whole plant	[yo]ceo	red + dry	o[fptk]ceo	burns, other "dry" reddening afflictions affecting any part of the body	o[fptk]o	Time Period?	-	
-y	plural of o too	oy	blood	ceoy	?	oceoyk, yceeeoy	?	o[fptk]ceoy	blood disorder?	o[fptk]oy	anti-venom for large creature bites (or blood treatments)	o[fptk]ay	eye washes?
-l	upper	ol	body/upper body/head	ceol	leaf, "herb" as aerial portions	[yo]ceol	light/bright, white/yellow?	o[fptk]ceol ol[fptk]ceo + o[fptk]ceoly o[fptk]ceols o[fptk]ceold	skin disorders apart from wounds, eruptions (do not break the skin?) disorder of that portion of the face/upper body affliction of the lungs when not plural? affliction of the breasts affliction of the reproductive organs?	okol	salve/paste (not for wounds?)	okal	essential oil
		olk	face										
		olt	cheeks (or throat, eyes)										
		olf	lips? eyes?										
		olp	lips? eyes? nose?										
		oly	lung/Mercury (when not plural of ol)	ceoly	aerating or central (chest) parts?								
		ols	breasts	ceols									
		old	reproductive organs	ceold	stamens/pistils etc.?					otol	poultice/plaster (not for wounds?)	otal	moisturizer
-r	lower	or	lower body/extremities	ceor	roots, below-ground "spice" parts	[yo]ceor	dark, black/blue?	o[fptk]ceor	orceey as "Wounds"	okor	salve/paste (for wounds?)	okar	essential oil
										otor	poultice (for wounds?)	otar	moisturizer
-s	"further beyond –r" including the aversive case	os	beyond the lower body/extremities or "more serious" version vs. Fauna including "biting creatures"	ceos	further beyond the lower plant, i.e. below-ground seeds, rhizomes, tubers?	oceeos, oceos, yceeos, yceos, ryceos, yceosar	darker, blacker, bluer?	o[fptk]ceos	more serious wounds including bites (particularly to the extremities, lower body)	o[fptk]os	antidotes (especially for small creature bites)	o[fptk]as	antidotes (especially for small creature bites)
dy	"supporting structure"	ody	musculo-skeletal/joints	ceody	branches, stems i.e. supporting structure (with centrally located fruits, flowers?)	[yo]ceody	green? black, white, clear?	o[fptk]ceody	musculo-skeletal disorders (rheumatism, gout, etc.)	o[fptk]ody	compartments, places vs. musculo-skeletal treatments (massages etc.?)	o[fptk]ady	
-d	center, in/at/by	od	center of the body as place (with internal organs, heart, lung, /stomach etc.?)	ceod									
-m	out from	om	interior of the body (vs. fauna that can infest it)	ceom	saps, juices, oils extracted from the interior of plants	[yo]ceom	?	o[fptk]ceom	infection by internal parasites	o[fptk]om	anthelmintic or removal	o[fptk]am	anthelmintic or removal
-g	into/inside	og	*into* the body	dceog, cteog, dcseeog	bark?	okogy, okarajog, cseokog, og, qokeog, otogy, ogom, olceog	?	-		okogy, cseokog ceokolg		okaragy, okag	
-j	rare relative of g	oj					?			-		-	
-x	?	oxy				ocseox, socsexor	?			oxor	?	oxar	
-[fptk]	?	ot, ok	skin itself? exterior? vs. Time base	ceot, ceok	bark? vine?	foceof, yceok	?	cseotceot, okceop, otceoky, otceoty, ytceoky	?	otoky, keoky, oteofy, ototy, qotoky, okopy	?		
		-n & Pharmacological Double Vowels											
-n	?	oi$^{0-4}$n & oi$^{0-4}$[lrn]	some part of the body relevant to soaking? pervading?	ceoi$^{0-4}$n	?	ycseoiin	?	o[fptk]ceoi$^{0-4}$n		o[fptk]oi$^{0-4}$n	tea, maceration?	o[fptk]ai$^{0-4}$n	most highly refined remedies? soap? elixirs?
-	--	oai$^{0-4}$[lrn]	mixing?									o[fptk]oai0–4n	Rosette Canisters
-		oe$^{0-4}$o	"dry" mashing etc.										

Table 23.2: 2D Supplementary Semantic Map with Additional Noun Hierarchies

Trailing Consonant		**Derived from Washing/Visual Verbs**		**Derived from Sensory Verbs**		**oda[dlrsmg | n] (+ odo[dlrsmg] as specific locations/places?)**		**o[lrs]a[dlrsmg | n] Pipe/Flow/Queue State Sequences?**	
-o	it/thing/whole?	cedol, cedor etc.	Soap? Beauty or cleanliness itself?	cekol, cetol	scent/pain etc. itself, perfume, etc.	-	-	oro, olo, dolo	?
-l	upper					odal	Jupiter	olol, olor	upward flow, or from above?
-r	lower					odar	Mars	orol, oror	downward flow, or from below?
-s	"further beyond –r" including the aversive case					odas	Sun?	osos, pceosos, osal, osar, osaiin	definition collision on os- with wound remedies?
dy	"supporting structure"					odady	Mercury?	orad	to stay in place?
-d	center, in/at/by								
-m	out from					odam	Saturn?	olam, oram, olom, etc.	to leave from the interior?
-g	into/inside					*odaiig	?	orog, orag	to enter the interior?
-j	rare relative of g					-	-	-	-
-[fptk | j | x | y]	?					-	-	-	-
-n	?						Venus	olaiin, orain	?

Table 23.3: 2D Map of the Modifier/Adjective Hierarchy

Trailing Consonant		**Liquid Ingredient Hierarchy – 1 c-superclass marker**		**Color/Symptom (Diagnostic Criteria?)**		**Problem/Disease ("Wet" Organic)**		**Remedy**		**Other**	
y	Modifier/Adjective Base – *like*? potential definition collisions with relatives of o, oy	ceey	liquid ingredient, water	oceey, yceey	red + wet, "bad blood," toxicity, venom	o[fptk]ce$^{1-3}$y	disorder causing "wet" eruptions, including bleeding	o[fptk]e$^{1-3}$y	Time Period?		
		c[fptk]e$^{1-4}$y	base liquid ingredients (honey, vinegar, wine/alcohol)	oc[fpt]e$^{1-4}$y	other shades of red, with skin tones?						
				ockey	brown?						
		ceckey, cectey, cecpey, cecfey	more complex liquid ingredients								
-[fptk]	Sensory Hierarchy?	ceeky	tactile		?	yfceeky, ytceeeky, okceeefy, opceeeky	tactile disorder?	otaleky, qokeoefy, okaralet, otalef	probably all mistranscribed		
		ceety	scent (perfumes) vs. tactile balm vs. pain	yceek, koceky, oceeeky, oceeky, ocseeeky, yceky	?	ceeokceet	scent or tactile disorder				
		ceefy	taste vs. tactile abrasive vs. pain subtypes	kocseet, yceeety	?	opceeoef, qopceety, opceety	taste or tactile disorder, especially pain				
		ceepy		-		opceepy, qofceeepy					
-d + y	Visual	ceedy, ceed	beauty/cleanliness, including ingredients that produce them	ocedy	related to green? clear, white?	o[fptk]ce$^{1-3}$dy	cosmetic problem	o[fptk]e$^{0-4}$dy	baths	[fptk]e$^{0-4}$dy	Temperature? Hot, cold, cool, moist, dry?
-m		ceem	rare connectives	-		otcem	?	oteem	?		
-g		ceeg		ceocfceg	?	ykceeg, ypceeg, okceeeg	?	okeeg, oteeg, qokeg	?		
-j		-		-	-	-	?	-			
-l		cel		-	-	otcel, osceotcsel	?	qokeel, okeeel	?		
-r		cer		-	-	otcer, qopceer, ypceer, ofcer, dceokcer, ypceery	?	okeer, oteer, qoker	?		
-s	negation, the aversive case	csees	but/except/subtraction	ocees	?	otcees	?	o[tk]e$^{1-4}$s	Time Period?		
-n		ceeen	?	-	-	-	-	-	-	-	-
-x		csex	?	-	-	oxockeey					
none		cse	detached class modifiers								

Table 23.4: 2D Map of Thematic Verbs

Verb Bases		**Organic Verbs**		**Color/Symptom (Diagnostic Criteria, especially of skin tones?) Verbs?**		**Problem/Disease (Organic) Noun ← Verb Compounds?**	
a	action	cea	treatment/application verb base	ocea	to change color?	o[fptk]cea	Nouns derived from these verbs
ay	?	-	-	yceockaey	possible transcription error	opceackey	?
al	modal verb contrasting with ar	ceal	to apply medicine, put on, daub, smear, inject etc.	yceeeal, ocealy	to assign the color *oceol*?	otceal, okceal, opceal	application or treatment itself?
ar	modal verb contrasting with ar	cear	to heal, cure, treat?	yceear, yceeear, kocear	to assign the color *oceor*?	otcear, okcear, ofcear	treatment, health itself/bodily function?
as	"further beyond –r," the aversive case	ceas	negative version of to heal, cure, treat?	-	-	ytceas, opceeas	
ad + y	"supporting structure", center, in/at/by	ceady	?	yceealod	likely transcription error	ofcedady	
am	out from	ceam	to remove from the body, to harvest?	yceam, qoceecteam	to assign the color *oceom*?	otceam, qotceam, qopceam	the act of removal? surgery itself?
ag	into/inside	-	-	-	-	-	
aj	rare relative of g	-	-	-	-	-	
ax	?	-	-	-	-	-	
a[fptk]	?	-	-	-	-	-	
ai$^{0-4}$n	modal verb	ceaiin, ceain	to grow, other herbal/organic action	yceeain, yceain, poceaiin etc.	?	otceaiin, sotceaiin	growth, healing itself?
Other							
[fptk]e$^{0-4}$dai0-4	Temperature Verbs?	tedal, kedar, tedaiin etc.	to heat, cool, etc.? to moisten?	-	-	-	-
Remedy/Visual Verbs							
c | c[s | fptk] + eda	to wash/clean?	-	-	-	-	-	-
eda + al	-	cedal, ceedal	cleanse, wash, bathe, shower etc.	yceedal, oceedal		otcedal, okcedal, ytceedal, qotcedal	problem related to that particular form of cleansing, bathing, etc.
eda + ar	-	cedar, ceedar	particular form of cleansing, washing, reordering, refreshing	yceedar, pycedar, oceedar		qotceedar, okcedar, opcedar	problem related to that particular form of cleansing, refreshing etc.
eda + as	-	dcedas, cedas	to dirty, clutter?	-	-	ofceedais	problem related to the inverse of cleansing, such as to dirty
eda + ad + y	-	ceedady	?	-	-	ofcedady	?
eda + am	-	cedam, pcedam	to cleanse by removing? exfoliate?	-	-	okceedam, ytcedam, otcedam	problem amenable to cleansing through removal, like exfoliation
eda + a[fptk | gj | x | y]	-	-	-	-	-	-	-
eda + ai$^{0-4}$n	-	cedaiin, ceedaiin	particular form of cleansing, washing, reordering, refreshing	yceedaiin, yceedain, ycedain		opceedaiin, opcedain, otceedain	problem related to that particular form of cleansing, refreshing etc.
Sensory Verbs							
c | c[s | fptk] + e[fptk]a	to experience/sense	-	-	-	-	-	-
e[fptk]a + y	-	ceekactcey, ceekacpey, cectackey	?	yceockaey	?	-	-
e[fptk]a + al	-	cekal, cetal, cepal etc.	to feel, touch, soften, harden, roughen, smooth out, to smell, taste	yceeeytal	-	-	-
e[fptk]a + ar	-	csekar, cetar, cepar, etc.	to feel, touch, soften, harden, roughen, smooth out, to smell, taste	-	-	potceokar, ofcetar, ofceeefar	
e[fptk]a + as	-	cetais, cekas, ceefalas, ceetas, ceekais, cseeekas	to sense, especially of a negative nature (pain?) or loss of sense	-	-	-	-
e[fptk]a + ad + y	-	cepady		-	-	-	-
e[fptk]a + am	-	cekam, cetam, cetaiim ceparam, cseekam, cseetam	to sense, touch, soften, harden, roughen, smooth out, especially by removal?	-	-	-	-
e[fptk]a + aj	-	ceekaj	-	-	-	-	-
eda + a[fptk | g | x]	-	-	-	-	-	-	-
e[fptk]a + ai$^{0-4}$n	-	cekaiin, cetaiin, cseekain	to feel, touch, soften, harden, roughen, smooth out, to smell, taste	ycetain, ycetaiin, oceepalain	color or other diagnostic criteria tied to that non-visual sense?	opceekan, opceekaiin	

Table 23.3: Maximum Changes in Rank for Existing Words between Versions #29 and #59

Word	Original Count	Translation Count	Augmented Count	New Rank	Original Rank	Alternate Rank	Rank Change	Absolute Increase Share
alo	3	7	10	593	1281	35	-688	0.70000
por	7	6	13	467	742	39	-275	0.46154
o	26	20	46	142	241	9	-99	0.43478
kceo	6	4	10	559	808	95	-249	0.40000
dg	6	4	10	560	804	94	-244	0.40000
py	6	4	10	561	850	72	-289	0.40000
yceo	6	4	10	562	871	67	-309	0.40000
oto	12	7	19	345	470	38	-125	0.36842
aror	7	4	11	556	684	90	-128	0.36364
ced	9	5	14	432	571	58	-139	0.35714
y	142	73	215	23	46	1	-23	0.33953
qok	8	4	12	468	667	75	-199	0.33333
oeey	9	4	13	433	603	80	-170	0.30769
oteo	19	8	27	245	328	27	-83	0.29630
do	15	6	21	312	378	50	-66	0.28571
aldy	16	6	22	283	359	46	-76	0.27273
cfey	8	3	11	554	636	114	-82	0.27273
ols	23	8	31	215	268	28	-53	0.25806
oy	12	4	16	392	471	73	-79	0.25000
laiin	12	4	16	393	461	85	-68	0.25000
cses	9	3	12	502	587	102	-85	0.25000
eees	9	3	12	503	596	112	-93	0.25000
ls	13	4	17	370	427	83	-57	0.23529
od	13	4	17	371	428	84	-57	0.23529
os	40	12	52	127	162	19	-35	0.23077
ces	21	6	27	244	284	47	-40	0.22222
arol	11	3	14	430	489	116	-59	0.21429
qo	48	13	61	105	128	18	-23	0.21311
d	56	15	71	86	107	15	-21	0.21127
ky	30	8	38	180	204	31	-24	0.21053
ceed	19	5	24	260	322	60	-62	0.20833
ceo	71	18	89	73	84	10	-11	0.20225
ty	20	5	25	259	320	66	-61	0.20000
ceeeo	16	4	20	326	360	87	-34	0.20000
qoko	8	2	10	557	674	163	-117	0.20000
ldy	26	6	32	203	240	44	-37	0.18750
rar	26	6	32	204	245	41	-41	0.18750
aram	13	3	16	381	414	115	-33	0.18750
oteeo	13	3	16	382	434	124	-52	0.18750
ceeo	72	16	88	75	83	13	-8	0.18182
teody	9	2	11	555	617	140	-62	0.18182
arar	9	2	11	514	569	214	-55	0.18182
cseeeo	9	2	11	515	581	220	-66	0.18182
csed	9	2	11	516	578	223	-62	0.18182
olal	9	2	11	517	604	198	-87	0.18182
qod	9	2	11	553	611	155	-58	0.18182
s	179	39	218	21	27	5	-6	0.17890
pol	25	5	30	216	249	63	-33	0.16667
orol	20	4	24	261	315	77	-54	0.16667
an	10	2	12	500	530	216	-30	0.16667
qoy	10	2	12	504	563	160	-59	0.16667
ro	10	2	12	505	564	168	-59	0.16667
keor	10	2	12	506	546	237	-40	0.16667
oeedy	10	2	12	507	548	192	-41	0.16667
kal	26	5	31	214	238	54	-24	0.16129
kain	47	9	56	114	132	25	-18	0.16071
okeeol	21	4	25	258	296	81	-38	0.16000
aly	38	7	45	149	171	36	-22	0.15556
qotceo	11	2	13	434	520	166	-86	0.15385
okceo	11	2	13	435	506	200	-71	0.15385
opy	11	2	13	436	511	174	-75	0.15385
g	28	5	33	201	224	53	-23	0.15152
r	47	8	55	115	134	30	-19	0.14545
okeeo	18	3	21	311	343	122	-32	0.14286
cseod	12	2	14	426	459	251	-33	0.14286
keeey	12	2	14	427	460	239	-33	0.14286
ot	12	2	14	428	466	184	-38	0.14286
ytam	12	2	14	429	488	147	-59	0.14286
tey	12	2	14	431	481	141	-50	0.14286
air	76	12	88	74	78	20	-4	0.13636
ary	32	5	37	181	196	57	-15	0.13514
om	39	6	45	148	169	42	-21	0.13333
ytol	13	2	15	401	448	148	-47	0.13333
key	13	2	15	403	425	238	-22	0.13333
cseeal	20	3	23	282	307	113	-25	0.13043
ckeey	35	5	40	168	179	55	-11	0.12500
dcseey	14	2	16	373	402	244	-29	0.12500
kair	14	2	16	378	404	232	-26	0.12500
opar	14	2	16	379	406	173	-27	0.12500
sam	14	2	16	380	409	136	-29	0.12500
yty	29	4	33	200	220	71	-20	0.12121
am	118	16	134	48	52	14	-4	0.11940
olain	15	2	17	363	381	197	-18	0.11765
oees	15	2	17	372	379	195	-7	0.11765
l	46	6	52	126	136	43	-10	0.11538
olor	32	4	36	187	200	76	-13	0.11111
cpey	16	2	18	357	363	222	-6	0.11111
daim	16	2	18	358	365	246	-7	0.11111
olar	16	2	18	359	367	175	-8	0.11111
opcey	16	2	18	360	368	172	-8	0.11111
orar	16	2	18	361	369	185	-8	0.11111
ceedar	34	4	38	179	186	86	-7	0.10526
cteo	17	2	19	330	355	249	-25	0.10526
dl	26	3	29	230	237	110	-7	0.10345
ceees	35	4	39	171	178	88	-7	0.10256
dceey	18	2	20	314	337	233	-23	0.10000
ody	56	6	62	102	109	45	-7	0.09677
daiiin	28	3	31	213	222	99	-9	0.09677
rol	29	3	32	202	219	134	-17	0.09375
sal	63	6	69	88	96	40	-8	0.08696
tcey	21	2	23	280	301	139	-21	0.08696
m	21	2	23	281	292	194	-11	0.08696
tol	53	5	58	109	115	65	-6	0.08621
oiin	43	4	47	141	146	79	-5	0.08511
dcey	33	3	36	186	192	106	-6	0.08333
tal	22	2	24	263	279	143	-16	0.08333
yky	22	2	24	264	282	149	-18	0.08333
okeor	23	2	25	257	267	202	-10	0.08000
ral	24	2	26	252	258	162	-6	0.07692

ceaiin	49	4	53	118	123	89	-5	0.07547
cedar	25	2	27	243	247	211	-4	0.07407
dceor	26	2	28	231	236	234	-5	0.07143
lceey	48	2	50	131	127	210	4	0.04000

Table 23.6: Maximum Changes in Rank for Existing Words between Versions #29 and #59, Reorganized by Object Types

Word	Original Count	Translation Count	Augmented Count	New Rank	Original Rank	Alternate Rank	Rank Change	Absolute Increase Share
Single-Letter Words								
d	56	15	71	86	107	15	-21	0.21127
g	28	5	33	201	224	53	-23	0.15152
l	46	6	52	126	136	43	-10	0.11538
m	21	2	23	281	292	194	-11	0.08696
r	47	8	55	115	134	30	-19	0.14545
s	179	39	218	21	27	5	-6	0.17890
Consonant Clusters								
ls	13	4	17	370	427	83	-57	0.23529
dg	6	4	10	560	804	94	-244	0.40000
dl	26	3	29	230	237	110	-7	0.10345
Suspected Verbs								
air	76	12	88	74	78	20	-4	0.13636
aldy	16	6	22	283	359	46	-76	0.27273
alo	3	7	10	593	1281	35	-688	0.70000
aly	38	7	45	149	171	36	-22	0.15556
am	118	16	134	48	52	14	-4	0.11940
an	10	2	12	500	530	216	-30	0.16667
ary	32	5	37	181	196	57	-15	0.13514
daiiin	28	3	31	213	222	99	-9	0.09677
daim	16	2	18	358	365	246	-7	0.11111
laiin	12	4	16	393	461	85	-68	0.25000
ral	24	2	26	252	258	162	-6	0.07692
rar	26	6	32	204	245	41	-41	0.18750
sal	63	6	69	88	96	40	-8	0.08696
sam	14	2	16	380	409	136	-29	0.12500
tal	22	2	24	263	279	143	-16	0.08333
kain	47	9	56	114	132	25	-18	0.16071
kair	14	2	16	378	404	232	-26	0.12500
kal	26	5	31	214	238	54	-24	0.16129
Suspected Pipe/Flow/Queue								
aram	13	3	16	381	414	115	-33	0.18750
arar	9	2	11	514	569	214	-55	0.18182
arol	11	3	14	430	489	116	-59	0.21429
aror	7	4	11	556	684	90	-128	0.36364
olor	32	4	36	187	200	76	-13	0.11111
olal	9	2	11	517	604	198	-87	0.18182
olar	16	2	18	359	367	175	-8	0.11111
olain	15	2	17	363	381	197	-18	0.11765
orar	16	2	18	361	369	185	-8	0.11111
orol	20	4	24	261	315	77	-54	0.16667
Suspected Plant Parts								
ceeeo	16	4	20	326	360	87	-34	0.20000
ceeo	72	16	88	75	83	13	-8	0.18182
ceo	71	18	89	73	84	10	-11	0.20225
cseeeo	9	2	11	515	581	220	-66	0.18182
cteo	17	2	19	330	355	249	-25	0.10526
kceo	6	4	10	559	808	95	-249	0.40000
cseod	12	2	14	426	459	251	-33	0.14286
dc (Intersecting Ingredients)								
dceor	26	2	28	231	236	234	-5	0.07143
dcey	33	3	36	186	192	106	-6	0.08333
dceey	18	2	20	314	337	233	-23	0.10000
dcseey	14	2	16	373	402	244	-29	0.12500
Liquid Ingredients								
tcey	21	2	23	280	301	139	-21	0.08696
lceey	48	2	50	131	127	210	4	0.04000
cfey	8	3	11	554	636	114	-82	0.27273
ckeey	35	5	40	168	179	55	-11	0.12500
cpey	16	2	18	357	363	222	-6	0.11111
Herbal Verbs								
ceaiin	49	4	53	118	123	89	-5	0.07547
cseeal	20	3	23	282	307	113	-25	0.13043
Cleaning Verbs								
cedar	25	2	27	243	247	211	-4	0.07407
ceedar	34	4	38	179	186	86	-7	0.10526
Cleaning Base or Clause								
ced	9	5	14	432	571	58	-139	0.35714
ceed	19	5	24	260	322	60	-62	0.20833
csed	9	2	11	516	578	223	-62	0.18182
Relative Clauses?								
ces	21	6	27	244	284	47	-40	0.22222
ceees	35	4	39	171	178	88	-7	0.10256
cses	9	3	12	502	587	102	-85	0.25000
eees	9	3	12	503	596	112	-93	0.25000
Color		ô						
yceo	6	4	10	562	871	67	-309	0.40000
on (Tea/Maceration?)								
oiin	43	4	47	141	146	79	-5	0.08511
o[lr]								
tol	53	5	58	109	115	65	-6	0.08621
pol	25	5	30	216	249	63	-33	0.16667
por	7	6	13	467	742	39	-275	0.46154
rol	29	3	32	202	219	134	-17	0.09375
keor	10	2	12	506	546	237	-40	0.16667
Poultice-Like Non-Abrasives								
okeeol	21	4	25	258	296	81	-38	0.16000
okeor	23	2	25	257	267	202	-10	0.08000
ytol	13	2	15	401	448	148	-47	0.13333
Abrasive Remedies								
opar	14	2	16	379	406	173	-27	0.12500
opcey	16	2	18	360	368	172	-8	0.11111
opy (time period too?)	11	2	13	436	511	174	-75	0.15385
Time Periods?								
yty	29	4	33	200	220	71	-20	0.12121
oto	12	7	19	345	470	38	-125	0.36842
oteo	19	8	27	245	328	27	-83	0.29630
oteeo	13	3	16	382	434	124	-52	0.18750
qoko	8	2	10	557	674	163	-117	0.20000
okeeo	18	3	21	311	343	122	-32	0.14286
yky	22	2	24	264	282	149	-18	0.08333
Body Parts								
ols	23	8	31	215	268	28	-53	0.25806

Skin								
ot	12	2	14	428	466	184	-38	0.14286
qok	8	4	12	468	667	75	-199	0.33333
Anthelmintics/Sap								
om	39	6	45	148	169	42	-21	0.13333
ytam	12	2	14	429	488	147	-59	0.14286
ody								
ody	56	6	62	102	109	45	-7	0.09677
oeedy	10	2	12	507	548	192	-41	0.16667
teody	9	2	11	555	617	140	-62	0.18182
od								
qod	9	2	11	553	611	155	-58	0.18182
od	13	4	17	371	428	84	-57	0.23529
Bites								
os	40	12	52	127	162	19	-35	0.23077
oees	15	2	17	372	379	195	-7	0.11765
Burns-Bleeding?								
qotceo	11	2	13	434	520	166	-86	0.15385
okceo	11	2	13	435	506	200	-71	0.15385
oy (related to o + y maybe?)								
oy	12	4	16	392	471	73	-79	0.25000
qoy	10	2	12	504	563	160	-59	0.16667
oeey	9	4	13	433	603	80	-170	0.30769
o & y nouns (do- might be deadly too)								
do	15	6	21	312	378	50	-66	0.28571
o	26	20	46	142	241	9	-99	0.43478
ro	10	2	12	505	564	168	-59	0.16667
qo	48	13	61	105	128	18	-23	0.21311
y	142	73	215	23	46	1	-23	0.33953
py	6	4	10	561	850	72	-289	0.40000
ty	20	5	25	259	320	66	-61	0.20000
tey	12	2	14	431	481	141	-50	0.14286
ky	30	8	38	180	204	31	-24	0.21053
key	13	2	15	403	425	238	-22	0.13333
keeey	12	2	14	427	460	239	-33	0.14286
Other								
ldy	26	6	32	203	240	44	-37	0.18750

Table 23.7: Sectional Affinities of the Major Candidates for the Major Semantic Hierarchies

Category	**Expected Role**	**Word Count**	**Document Share**	**Section Affinity Scores**						
				0	**1**	**2**	**3**	**4**	**5**	**6**
Remedy/Solution Hierarchy										
[yo][fptk][ao][lr]	Remedies	2688	0.06906	-0.00228	-0.05537	0.06927	-0.00050	0.00680	-0.04186	0.02395
a-axis of [yo][fptk][ao][lr]	Refined Liquids	1731	0.04447	-0.00274	-0.11801	0.08308	0.03400	-0.03909	0.01289	0.02986
o-axis of [yo][fptk][ao][lr]	Less Refined Solids	764	0.01963	-0.00039	0.10501	0.03203	-0.05768	0.09956	-0.16104	-0.01749
[yo][fptk]e4o[dlrsmg]	Remedies + Enumerative Info	924	0.02374	-0.00346	-0.09940	0.18919	-0.14721	0.15821	-0.06456	-0.03277
o[fptk]ai4n	Highest Degree of Refinement	1598	0.04105	0.00063	-0.13150	-0.06154	0.08684	-0.05609	0.14982	0.01185
o[fptk]e4dy	Baths	1444	0.03710	-0.00563	-0.16609	-0.08055	0.24903	-0.06590	0.08057	-0.01144
Herbal										
[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	Herbal Ingredients	2246	0.05770	0.00372	0.22494	-0.03865	-0.10311	0.06381	-0.11544	-0.03528
ce4a	Herbal & Treatment Actions	1009	0.02592	0.01023	0.13592	0.01582	-0.10202	-0.04221	0.02244	-0.04019
y-initial	Genitive (vs. Collective?)	1926	0.04948	0.00112	0.11182	0.04284	-0.09899	-0.00152	-0.09141	0.03614
y[fptk]-initial		1295	0.03327	-0.00022	0.13128	0.06733	-0.11776	-0.00234	-0.14062	0.06233
[dlrsmg | fptk] + ai4n	Verbs	1724	0.04429	0.00423	0.12517	-0.06001	-0.02600	0.01671	-0.03232	-0.02777
[yo]d[ao]i0-4[lrm | n]	Planets (& possibly Places)	880	0.02261	0.00801	0.12284	0.02658	-0.16680	0.01270	-0.04021	0.03687
oda		847	0.02176	0.00854	0.11075	0.03286	-0.16601	0.00404	-0.03209	0.04191
om + o[fptk | dlrsmg]am	"from the Interior"	454	0.01166	-0.00342	0.10888	0.00163	-0.12999	0.01572	-0.01453	0.02171
Problem/Disease Hierarchy										
o[fptk]c + e0-4dy	Cosmetic Problems	554	0.01423	-0.00563	-0.11912	-0.07883	0.02935	-0.06076	0.16700	0.06797
o[fptk]c + e0-4y	Eruptives	753	0.01935	-0.00164	0.24630	-0.02707	-0.10758	-0.04407	-0.07698	0.01105
o[fptk]c + e0-4ol	Benign Skin	159	0.00408	0.00695	0.41020	-0.04120	-0.16210	0.01378	-0.19079	-0.03683
o[fptk]c + e0-4or	Wounds	135	0.00347	-0.00563	0.45394	-0.02262	-0.15763	-0.01613	-0.21958	-0.03236
[yo][fptk | dlrsmg] + c | cs + e4o	Burns	113	0.00290	0.00322	0.28101	0.00210	-0.16956	-0.03258	-0.05760	-0.02659
o[fptk]c + e4ody	Musculo-Skeletal	75	0.00193	-0.00563	0.22579	0.12257	-0.18726	-0.01464	-0.10551	-0.03532
o[fptk]c + e4os	Bites	15	0.00039	-0.00563	0.03913	0.29590	-0.18726	-0.06798	-0.07884	0.00468
[yo]c + e4o Superclass	Color	345	0.00886	-0.00273	0.17826	-0.00845	-0.15537	0.04507	-0.03537	-0.02141
Balneological										
ed[yoa]	Beauty/Cleanliness/Cleanser	5851	0.15032	-0.00546	-0.14962	-0.07385	0.16943	-0.06302	0.10861	0.01389
edy		4981	0.12797	-0.00543	-0.15046	-0.07960	0.20865	-0.06316	0.08554	0.00446
c + e4dy		3053	0.07843	-0.00530	-0.13764	-0.07888	0.19335	-0.06208	0.07884	0.01171
c | c[s | fptk] + e4dy		1395	0.03584	-0.00491	-0.13578	-0.07399	0.24428	-0.06009	0.03800	-0.00751
[q | fptk | dlrsmg] + oi0-4[lr]	Anatomical + Case Prefixes vs. Soaking/Tea/Maceration	1819	0.04673	-0.00178	-0.04022	-0.06177	0.16678	0.02163	-0.09523	0.01058
oi4[dlrsmg | n]	Anatomical vs. Soaking/Tea/Maceration	1124	0.02888	-0.00029	-0.05488	-0.04360	0.10100	0.02010	-0.07778	0.05545
ol[dtk]	Upper Body parts	842	0.02163	-0.00325	-0.08756	-0.04947	0.12984	0.01160	-0.04369	0.04252
Other										
[fptk | dlrsmg] + c | c[s | fptk] + e4y	Liquid Ingredients	2060	0.05292	0.00505	0.07181	-0.02983	0.01080	0.00484	-0.03613	-0.02655
o[tk]e0-4y	Temporal?	2042	0.05246	-0.00318	-0.05180	0.02813	0.01059	0.00254	0.03800	-0.02428
[yo]dy endings	Musculo-Skeletal + Supporting Structure	1228	0.03155	-0.00237	0.06166	0.05144	-0.15143	0.05906	-0.04350	0.02514
[ao][lr][ao][lr]	Pipe/Flow	843	0.02166	-0.00444	-0.11627	0.11892	0.00966	0.01031	-0.02499	0.00681
o[lr][yoa]	Pipe/Flow	1044	0.02682	-0.00275	-0.05474	0.06257	0.03113	0.05271	-0.08344	-0.00548
ai4[dlrsmg | n]	Common Verbs	1519	0.03902	-0.00168	-0.13884	0.08748	-0.11945	-0.02650	0.14380	0.05519

Table 24.1 Implications of Specific Ingredients for Preparation Method Complexity

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Herbal Ingredients							
Decoction	28.5	0.30032	#25 [fptk | dlrsmg] + c | c[s | fptk] + e4ory	6	28	5.4:5.4	0.19968
			#29 [fptk | dlrsmg] + c | c[s | fptk] + e4od	21	68	9:9.4	0.18881
			#50 [fptk] + c | c[s | fptk] + e4o	13	51	7:8.8	0.14272
			#116 c | c[fptk] + e4o	11	228	12:20.2	0.07235
			#140 c[fptk]e4o	8	32	5:9	0.05682
			#145 [fptk | dlrsmg] + c | c[s | fptk] + e4ody	45	445	19:34.6	0.05416
			#183 ce4o	4	160	8.2:16	0.03852
			#194 [fptk | dlrsmg] + c | c[s | fptk] + e4os	30	158	8.2:16.4	0.03301
			#241 [fptk | dlrsmg] + c | c[s | fptk] + e4o	49	503	18.8:40.4	0.01725
			#284 [fptk | dlrsmg] + c | c[s | fptk] + e4or	41	733	23:53	0.00231
			#25 [fptk | dlrsmg] + c | c[s | fptk] + e4ory	6	28	5.4:5.4	0.19968
Decoctable Superset #1	59.1	0.62276	#21 cecpey relatives	6	21	3.6:0.6	0.23438
			#70 cpe4y	4	27	7:2.4	0.12192
			#96 ceckey relatives	32	377	23.6:9.4	0.09239
			#43 c[fptk]e4o	8	32	11:3	0.16295
			#86 [fptk | dlrsmg] + c | c[s | fptk] + e4os	30	158	17.8:6.8	0.10082
			#140 [fptk] + c | c[s | fptk] + e4o	13	51	10.8:5	0.06078
			#200 cse4o	4	205	30.2:15.6	0.03663
			#216 [fptk | dlrsmg] + c | c[s | fptk] + e4o	49	503	38.6:20.6	0.02927
			#226 [fptk | dlrsmg] + c | c[s | fptk] + e4ory	6	28	7:3.8	0.02539
			#264 [fptk | dlrsmg] + c | c[s | fptk] + e4ody	45	445	34:19.6	0.01157
			#267 c | c[fptk] + e4o	11	228	20.4:11.8	0.01078
			#279 [fptk | dlrsmg] + c | c[s | fptk] + e4or	41	733	47.8:28.2	0.00619
Decoctable Superset #2	62.9	0.66280	#1 cecpey relatives	6	21	4.2:0	0.33720
			#83 ceckey relatives	32	377	25.4:7.6	0.10690
			#107 cpe4y	4	27	7:2.4	0.08188
			#59 c[fptk]e4o	8	32	11.2:2.8	0.13720
			#112 [fptk | dlrsmg] + c | c[s | fptk] + e4os	30	158	18.2:6.4	0.07704
			#206 cse4o	4	205	31.6:14.2	0.02716
			#229 [fptk | dlrsmg] + c | c[s | fptk] + e4ory	6	28	7.4:3.4	0.02239
			#237 [fptk] + c | c[s | fptk] + e4o	13	51	10.8:5	0.02074
			#239 [fptk | dlrsmg] + c | c[s | fptk] + e4o	49	503	40.4:18.8	0.01963
			#280 [fptk | dlrsmg] + c | c[s | fptk] + e4ody	45	445	36:17.6	0.00884
			#282 [fptk | dlrsmg] + c | c[s | fptk] + e4or	41	733	51:25	0.00825
			#59 c[fptk]e4o	8	32	11.2:2.8	0.13720
Liquid Ingredients							
Wine Ingredient (including consumable liquors and non-consumable subtypes like methanol)	18.7	0.19705	#37 cectey relatives	24	197	9.8:17.4	0.16324
			#55 cpe4y	4	27	3:6.4	0.12210
			#63 cfe4[yo]	12	26	2.4:5.6	0.10295
			#118 cpe4[yo]	36	94	6.6:18.8	0.06279
Vinegar Ingredient	9.7	0.10221	?				
Alkaloid	18.5	0.19494	#8 cecpey relatives	6	21	2.2:2	0.32887
			#16 cpe4y	4	27	3.8:5.6	0.20932
			#18 c-sequence + e4 + [fptk] + e4 + y	35	101	4.5:6.8	0.20329
			#25 c[fp]e4y + added c-sequences	21	69	6:10.6	0.16651
Honey Ingredient (semi-solid?)	19.0	0.20021	#3 cecpey relatives	6	21	3.2:1	0.56169
Oxymel	0.6	0.00632	-	-	-	-	-
Specific Recipes							
Theriac	8.2	0.08641	-	-	-	-	-
Mithridate	2.6	0.02740	-	-	-	-	-
Single Ingredient	3.6	0.03793	-	-	-	-	-

Table 24.2 Preparation Methods by Processing Complexity

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Low Complexity							
Distilled Water-Tea-Infusion Sans Oil Superset (Internal)	47.2	0.49737	#2 oi4n	4	58	4.4:0	0.50263
			#52 oi4n Superset	79	257	22.4:12.6	0.14263
			#68 oi	111	304	23.2:14.6	0.11639
			#28 ofai0-4n	6	10	2.6:1	0.22485
			#29 [yo]fai0-4n	6	10	2.6:1	0.22485
			#48 ykai0-4n	14	73	10:5.4	0.15198
			#67 otai0-4n	21	430	19.4:12.2	0.11655
			#11 cecpey relatives	6	21	3.8:0.4	0.40739
Distilled Water-Tea Superset	32.2	0.33930	#2 oi4n	4	58	4.4:0	0.66070
			#42 oi4n Superset	79	257	17.4:17.6	0.15784
			#68 oi	111	304	17.4:20.4	0.12102
			#9 ofai0-4n	6	10	2.6:1	0.38292
			#10 [yo]fai0-4n	6	10	2.6:1	0.38292
			#57 ytai0-4n	4	59	2.8:3.2	0.12737
			#73 ykai0-4n	14	73	7:8.4	0.11525
			#12 cecpey relatives	6	21	2.8:1.4	0.32737
Tea	25.0	0.26344	#2 oi4n	4	58	4.4:0	0.73656
			#32 oi4n Superset	79	257	14.6:20.4	0.15370
			#47 oi	111	304	14.6:23.2	0.12280
			#4 [yo]fai0-4n	6	10	2.6:1	0.45878
			#5 ofai0-4n	6	10	2.6:1	0.45878

			#39 ytai0-4n	4	59	2.4:3.6	0.13656
			#40 o[fptk]edai4n	36	59	1.6:2.4	0.13656
			#54 otai0-4n	21	430	12:19.6	0.11631
			#53 cecpey relatives	6	21	1.6:2.6	0.11751
Distilled Water	10.0	0.10537	#3 cecpey relatives	6	21	2.2:2	0.41844
Infusion	31.6	0.33298	#34 ykai0-4n	14	73	7.4:8	0.14754
			#11 cecpey relatives	6	21	2.6:1.6	0.28607
			#1 o[fptk]edal	14	40	1.8:0	0.66702
			#18 o[fptk]edar	30	72	2.4:1.8	0.23845
Maceration Infusion Superset	31.6	0.33298	#1 o[fptk]edal	14	40	1.8:0	0.66702
			#9 o[fptk]edar	30	72	3.2:1	0.42892
			#16 cecpey relatives	6	21	2.6:1.6	0.28607
			#36 [yo]doi0-4l	16	22	4.8:5	0.15682
			#56 [yo]doi0-4[ln]	18	24	4.8:6	0.11146
Higher Complexity							
Maceration	5.0	0.05269	#6 [yo]doi0-4l	16	22	1.8:8	0.13098
			#8 [yo]doi0-4[ln]	18	24	1.8:9	0.11398
Decoction	28.5	0.30032	#252 a-axis of [yo][fptk][ao][lr]	218	1731	15.8:34.4	0.01442
			#68 otal variants	43	333	8.8:12.4	0.11477
			#169 otar variants	44	345	8:15.2	0.04451
			#204 okal variants	54	544	9.2:18.8	0.02825
			#53 otam variants	13	88	5:6.4	0.13828
			#221 okam variants	13	76	4.8:10	0.02400
			#73 ofar variants	17	25	1.4:2	0.11144
			#162 o[fptk]ai4n	91	1598	19:35.8	0.04640
			#56 otai0-4n	21	430	13.6:18	0.13006
			#90 [yo]tai0-4n	26	490	13.6:21.2	0.09048
			#262 ykai0-4n	14	73	4.8:10.6	0.01137
			#278 okai0-4n	35	994	11.8:26.8	0.00538
			#43 o[fptk]eda[lrsm | n]	87	184	4.2:5	0.15620
			#36 o[fptk]edar	30	72	2:2.2	0.17587
			#3 o[fptk]edam	7	13	1.6:0.6	0.42695
			#67 o[fptk]e4dy	56	1444	8.4:11.8	0.11552
			#60 ote4dy	19	509	5.2:7	0.12591
			#77 oke4dy	35	933	7.4:10.8	0.10627
Tincture	22.8	0.24025	#4 o[fptk]edal	14	40	1.2:0.6	0.42642
			#26 o[fptk]edar	30	72	1.8:2.4	0.18832
			#36 o[fptk]edai4n	36	59	1.6:2.4	0.15975
			#47 o[fptk]eda[lrsm | n]	87	184	3.4:5.8	0.12932
			#43 ykai0-4n	14	73	5.8:9.6	0.13637
			#53 ote4dy	19	509	4.2:8	0.10401
			#18 cedar variants	65	176	3.4:4	0.21921
			#37 cedal variants	54	127	4.8:7.4	0.15319
			#23 te4dy	17	91	3.6:4.6	0.19877
Extract	22.1	0.23288	#12 [yo][fptk]e4om	4	13	1.6:1.6	0.26712
			#15 od[ao]i0-4m	23	34	5.6:5.8	0.25835
			#16 odai0-4m	22	33	5.6:5.8	0.25835
			#17 yodai0-4m	24	36	5.6:6	0.24988
			#18 [yo]d[ao]i0-4m	25	37	5.6:6	0.24988
			#19 ceam nouns	10	15	2:2.2	0.24331
			#23 okam variants	13	76	6.8:8	0.22658
			#27 cedam variants	12	30	1.6:2	0.21156
			#31 otam variants	13	88	4.8:6.6	0.18817
			#36 o[fptk | dlrsmg][ao]m	87	280	12.6:20	0.15362
			#45 [fptk | dlrsmg] + c | c[s | fptk] + e4om	12	54	5.6:9.6	0.13554
			#46 om + o[fptk | dlrsmg]am	157	454	15.6:26.8	0.13504
			#59 okom variants	6	13	1.4:2.6	0.11712
			#75 om	75	203	10.2:20.4	0.10045

Table 24.3 Application Methods by Topical and "Dry" vs. "Wet" Distinctions

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
"Dry" Topical Remedies with Low Processing Complexity							
Poultice	39.2	0.41307	#17 otor variants	19	113	16.2:9.6	0.21484
			#63 otol variants	42	239	22.2:23	0.07808
			#120 o-axis of [yo][fptk][ao][lr]	135	764	28.6:37.8	0.01765
Plaster	8.6	0.09062	#47 [yo]te4ol	24	99	1.8:12.2	0.03795
			#92 [yo]ke4ol	34	223	1.8:16.4	0.00828
			#12 [yo]te4od	41	149	2.4:9.4	0.11277
			#76 [yo][fptk]e4od + y	50	284	2.4:20	0.01652
			#85 [yo][fptk]e4od	92	355	2.4:21.4	0.01022
			#47 [yo]te4ol	24	99	1.8:12.2	0.03795
Powder	21.1	0.22234	#98 okol variants	43	285	10.8:25.6	0.07436
			#83 okal variants	54	544	8.8:19.2	0.09195
			#189 otal variants	43	333	5.2:16	0.02294
			#244 otar variants	44	345	5.2:18	0.00180
			#245 okar variants	61	493	6:20.8	0.00154
Patch	3.0	0.03161	#1 oo	44	62	2:11.4	0.11764
Ointment-Salve-Paste Superset	28.1	0.29610	#74 okol variants	43	285	12.4:24	0.04456
			#111 okor variants	26	122	7.2:15.6	0.01969
Ointment-Paste Superset	24.7	0.26027	#66 okol variants	43	285	11.4:25	0.0529

Ointment-Salve Superset	26.1	0.27503	#97 okol variants	43	285	11:25.4	0.02717
			#121 okal variants	54	544	8:20	0.01068
Ointment	23.9	0.25184	#67 okol variants	43	285	11:25.4	0.05036
			#127 otor variants	19	113	6.8:19	0.01173
			#144 okal variants	54	544	7.2:20.8	0.00530
			#23 ory	50	108	8:12.8	0.13278
Paste-Salve Superset	11.8	0.12434	#20 okor variants	26	122	5:17.8	0.09496
Paste	8.4	0.08851	#37 okor variants	26	122	3.4:19.4	0.06061
			#66 okol variants	43	285	4.4:32	0.03237
Salve	10.4	0.10959	#26 okor variants	26	122	4.6:18.2	0.09216
			#91 okol variants	43	285	5:31.4	0.02777
			#149 otol variants	42	239	5.2:40	0.00545
Semi-Solid → Liquid Spectrum + Higher Processing Complexity							
Lotion	9.4	0.09905	#25 olk	187	557	3.4:12	0.12173
			#27 ol[tk]	234	621	4.4:15.8	0.11877
			#6 osa	42	66	2.4:5.6	0.20095
			#13 osai0-4n	17	34	1.4:4	0.16021
			#14 o[tk][ao]s	28	58	1.8:5.4	0.15095
			#34 o[fptk][ao]s	32	66	1.8:7.2	0.10095
			#46 okal variants	54	544	5:23	0.07952
			#148 okar variants	61	493	3.2:23.6	0.02035
			#176 a-axis of [yo][fptk][ao][lr]	218	1731	5.6:44.6	0.01250
			#185 o-axis of [yo][fptk][ao][lr]	135	764	7.2:59.2	0.00938
			#44 okol variants	43	285	6.6:29.8	0.08227
			#223 otol variants	42	239	4.6:40.6	0.00272
			#229 otor variants	19	113	2.6:23.2	0.00173
			#197 ory	50	108	2.2:18.6	0.00672
Cream	1.2	0.01264	#3 olcey relative	84	277	1.2:19	0.04677
Liniment	4.7	0.04953	#7 ady?	25	36	1.4:7.2	0.11326
Gel	2.6	0.02740	-	-	-	-	-
Balneological-Beautification and Other Washes							
Moisturizer/Emollient	11.8	0.12434	#17 otal variants	43	333	5.8:15.4	0.14924
			#73 otar variants	44	345	3.8:19.4	0.03945
			#108 a-axis of [yo][fptk][ao][lr]	218	1731	7.4:42.8	0.02307
Face Mask	1.4	0.01475	#34 okal variants	54	544	1.2:26.8	0.02811
			#51 a-axis of [yo][fptk][ao][lr]	218	1731	1.4:48.8	0.01314
Soap	5.0	0.05269	c | c[s | fptk] + e4dy	35	523	-	-
			#1 o[fptk][dlrsmg]	49	68	2:5.2	0.22509
			#2 ytai0-4n	4	59	1.4:4.6	0.18064
			#14 ykai0-4n	14	73	2.4:13	0.10315
Shampoo	6.4	0.06744	#2 o[fptk]ce4[lrsmg]	50	57	2:5.2	0.21034
			#4 e4n	11	13	1.6:5.8	0.14878
			#14 otce0-4dy	19	172	2:10	0.09923
Bath	8.2	0.08641	o[fptk]e4dy	56	165	-	-
			#1 o[fptk][dlrsmg]	49	68	2.8:4.4	0.30248
Wash	9.6	0.10116	#49 c | c[s | fptk] + e4dy	35	1395	4.4:19.8	0.08066
			#52 cse4dy	3	585	3.4:15.4	0.07969
			#55 edy	538	4981	5.2:24.2	0.07571
			#64 ce4dy	8	755	3.8:19	0.06551
			#89 c + e4dy	387	3053	4.4:24.2	0.05269
			#3 c | cs + e0-4d	26	89	1.8:2.2	0.34884
			#5 [yo][fptk]ce4d	21	42	1.6:2.4	0.29884
			#33 c[s | fptk]e4dy	9	622	4.4:16.4	0.11038
			#20 [fptk] + c | c[s | fptk] + e4dy	19	196	3.8:11	0.15560
			#21 [dlrsmg] + c | c[s | fptk] + e4dy	20	327	3.2:9.6	0.14884
			#29 [tk]e4dy	43	309	3:10.8	0.11623
			#30 cedaiin variants	64	189	3.2:11.6	0.11506
			#31 cedar variants	65	176	1.6:5.8	0.11506
Douche	2.0	0.02107	#1 ety	30	93	2:15	0.09658
			#2 oo + oe4o	99	133	2:19.6	0.07152
			#8 otai0-4n	21	430	2:29.6	0.04222
			#20 odai0-4n	108	408	2:49.8	0.01754
			#11 oy	77	141	2:33	0.03607
Eye Wash	15.6	0.16438	o[fptk]e^{0-4}ay	4	4	2:0	-
			#1 oi4n	4	58	3:1.4	0.51744
			#2 cecpey relatives	6	21	2.6:1.6	0.45467
Compress	6.6	0.06955	#12 o[fptk][dlrsmg]	49	68	1.6:5.6	0.15267
			#8 [yo]fai0-4[rn]	23	35	1.8:5.2	0.18759
			#33 [yo]tai0-4n	26	490	6:28.8	0.10286
			#3 a[lr][fptk]	54	83	1.8:2.8	0.32175
			#29 a[dlrsmg]c	66	91	2.4:10.8	0.11227
			#5 eto	15	22	2:5	0.21616
			#26 eta	45	71	2:8.8	0.11564
			#27 et[yo]	45	115	4:18	0.11227
			#30 ety	30	93	3:14	0.10692
			#10 ef[yoa]	33	33	1.6:5.4	0.15902
			#19 ep[yoa]	31	46	1.6:6.2	0.13558
			#35 eka	72	191	4.6:22.4	0.10082
Perfume	7.4	0.07798	#48 et[yoa]	90	186	3.8:23.6	0.06071

			#55 ety	30	93	2.2:14.8	0.05143
			#59 et[yo]	45	115	2.8:19.2	0.04929
Fragrance			#3 ety	30	93	7.2:9.8	0.28760
			#4 et[yo]	45	115	8.4:13.6	0.24589
			#6 eto	15	22	2.6:4.4	0.23550
			#10 et[yoa]	90	186	10:17.4	0.22903
			#253 eta	45	71	1.6:9.2	0.01222
			#32 okal variants	54	544	7.8:20.2	0.14264
Other Oral/Internal							
Tonic	12.8	0.13488	#17 odcey relatives	29	34	2.4:6	0.15083
			#2 ceed + cey	10	10	1.4:1.2	0.40358
			#26 cfe4[yo]	12	26	2:6	0.11512
			#8 de-Initial	29	41	2.8:5.2	0.21512
Elixir	3.2	0.03372	#7 [yo][fptk]e4or	28	127	2.2:12.8	0.11295
			#2 [yo]ke4or	19	96	2.2:9.6	0.15272
			#5 ydai0-4n	11	40	2.2:12.6	0.11493
Expectorant	10.0	0.10537	#4 cfe4[yo]	12	26	3:5	0.26940
			#9 odcey relatives	29	34	2.4:6	0.18011
			#5 [yo][fptk]e4o	11	88	2.4:4.4	0.24734
			#6 ol + c | cs + e4o[lr]	18	34	1.6:3	0.24223
Gargle	11.6	0.12223	#7 oi4n	4	58	1.6:2.8	0.24141
			#24 olk	187	557	3.6:11.8	0.11154
			#18 ef[yoa]	33	33	2:5	0.16348
			#23 ece Adjective	43	69	2:6	0.12777
			#4 cecpey relatives	6	21	1.6:2.6	0.25872
			#12 a[dlrsmg]c	66	91	4:9.2	0.18080
			#21 a[dlrsmg]am	43	92	1.6:4.6	0.13583
Capsule	6.2	0.06533	-	-	-	-	-
Injection	4.4	0.04636	-	-	-	-	-
Other External							
Satchet	2.2	0.02318	-	-	-	-	-
Smoked (Gaseous + Internal)	5.0	0.05269	#1 a[lr]an	25	56	1.4:4.6	0.18064
			#4 [fptk]ai4[lr]	14	190	3.6:13.8	0.15421
Burnt (Gaseous + External Repellent)	2.0	0.02107	#3 o[tk][ao]s	28	58	1.2:6	0.14560
			#8 o[fptk][ao]s	32	66	1.2:7.8	0.11226
			#1 ef[yoa]	33	33	1.8:5.2	0.23607
			#2 [yo]e4[fp]	23	23	1.8:5.6	0.22217
			#6 e[fp][yoa]	64	79	1.8:10.4	0.12647
Repellent	13.0	0.13699	#1 okas variants	7	12	1.6:0	0.86301
			#12 o[tk][ao]s	28	58	2.6:4.6	0.22412
			#22 osai0-4n	17	34	1.6:3.8	0.15931
			#25 o[fptk][ao]s	32	66	2.6:6.4	0.15190
Insectivore	1.6	0.01686	#14 [tk]e4o	66	206	1.6:30.8	0.03252
Parasitic Plant	1.0	0.01054	#1 ofod variants	4	4	0.600:0.600	0.48946

Table 24.4 Application Method Supersets by Anatomical Targets and Matter Consistency

Usage Properties	**Identification Index**	**Share of the Manuscript-Wide Identification Index**	**Best Voynich Categories**	**Distinct Word Count**	**Document Word Count**	**True Positive vs. False Positive Ratio**	**PPV Probability Difference Score**
Broad Types							
vs. Topical	vs. 82.3	vs, 0.86723	#1 ea	465	1195	-	-
			#2 ce4a	350	1009	-	-
			#3 [dlrsmg | fptk] + oi4[dlrsmg | n]	55	809	-	-
			#15 oi	111	304	-	-
			#18 oi4n Superset	79	257	-	-
			#48 oi4n	4	58	-	-
			#41 e[fp][yoa]	64	79	-	-
			#59 odcey relatives	29	34	-	-
			#4 o[lr][oa]	337	735	-	-
			#6 o[lr]a	190	469	-	-
			#7 or[yoa]	198	438	-	-
			#8 ol[oa]	187	401	-	-
			#12 or[oa]	156	340	-	-
			#27 olo	97	175	-	-
			#20 ora	98	241	-	-
			#30 orai0-4n	40	135	-	-
			#24 om	75	203	-	-
			#43 ceam variants	32	76	-	-
			#51 [fptk | dlrsmg] + c | c[s | fptk] + e4om	12	54	-	-
			#65 ce4g	21	27	-	-
			#81 or[fptk | dlrsmg]	12	13	-	-
			#86 ay polygraph (other)	10	10	-	-
Internal	41.2	0.43414	#26 odcey relatives	29	34	5.4:3	0.20872
			#27 e[fp][yoa]	64	79	7.8:4.4	0.20520
			#32 [yo][fptk]e4o	11	88	4.2:2.6	0.18351
			#46 [yo]te4o	10	49	3.2:2.6	0.11758
			#18 orai0-4n	40	135	9.2:4.4	0.24233
Oral	6.0	0.06322	#6 ef[yoa]	33	33	1.2:5.8	0.10821
			#1 [yo][fptk]e4o	11	88	2:4.8	0.23090
			#2 [yo]ke4o	13	89	1.6:5.4	0.16535
			#5 [yo]ke4ol	34	223	3.4:14.8	0.12359
Liquid vs. Solid Consistency							
Liquid Superset	62.6	0.65964	#93 a-axis of [yo][fptk][ao][lr]	218	1731	38.6:7.8	0.17226

			#143 okal variants	54	544	20.6:5.4	0.13267
			#186 okar variants	61	493	20.6:6.2	0.10902
			#104 otal variants	43	333	16.6:3.6	0.16214
			#273 otar variants	44	345	16.4:6	0.07250
			#231 o[fptk]ai4n	91	1598	38.8:13.2	0.08651
Liquid/Semi-Solid Superset	70.4	0.74183	#156 a-axis of [yo][fptk][ao][lr]	218	1731	40.2:6.2	0.12455
			#174 okal variants	54	544	22.2:3.8	0.11202
			#241 okar variants	61	493	22.2:4.6	0.08653
			#147 otal variants	43	333	17.6:2.6	0.12946
			#334 otar variants	44	345	18:4.4	0.06174
			#190 o[fptk]ai4n	91	1598	44:8	0.10432
			#125 okol variants	43	285	29.6:4	0.13912
			#157 otol variants	42	239	37.6:5.8	0.12453
			#215 otor variants	19	113	21.6:4.2	0.09538
			#225 o-axis of [yo][fptk][ao][lr]	135	764	53:10.6	0.09150
Solid/Semi-Solid Superset	54.8	0.57745	#205 o-axis of [yo][fptk][ao][lr]	135	764	21.6:42	0.00664
			#106 okol variants	43	285	22.8:10.8	0.10112
			#184 otor variants	19	113	16.2:9.6	0.05046
			#254 otol variants	42	239	26.2:17.2	0.02624
			#313 okor variants	26	122	13.2:9.6	0.00150
Semi-Solid Superset	31.6	0.33298	#214 o-axis of [yo][fptk][ao][lr]	135	764	39.2:24.4	0.03890
			#67 okol variants	43	285	14.2:19.4	0.08964
			#144 okor variants	26	122	8.2:14.6	0.02667
			#163 otol variants	42	239	15.4:28	0.02186
			#228 otor variants	19	113	8.6:17.2	0.00035
Solid Superset	46.2	0.48683	#213 o-axis of [yo][fptk][ao][lr]	135	764	32:31.6	0.01631
			#108 otor variants	19	113	14.6:11.2	0.07906
			#143 okol variants	43	285	18:15.6	0.04888
			#263 otol variants	42	239	21.2:22.2	0.00165

Table 24.5 Mappings of Pharmacological Phytomorphs to Canisters

f88r	**Complex ?**	**Top Shape**	**Stage #**	**Top Color**	**Pedestal Bottoms**	
Canister #1 f88r (otor ceety) Red → Green → Green → Red → Red → Red	Ornate	Flat	6	Green	Yes	f88r Line 1 #1 (osal),f88r Line 1 #2 (orald), f88r Line 1 #3 (oldar), f88r Line 1 #4 (ototy), f88r Line 1 #5 (otaly)
Canister #2 f88r (otaldy) Green → Green → Red → Red → Green		Pointed	5			f88r Line 2 #1 (orag), f88r Line 2 #2 (dary), f88r Line 2 #3 (okol), f88r Line 2 #4 (sorory), f88r Line 2 #5 (otydy)
Canister #3 f88r (ofyskydal) Green → Green → Red → Red → Green				Green	Yes (flat)	f88r Line 3 #1 (otosag), **f88r Line 3 #2 Lupine? (ofaldo)**
?						f88r Line 4 #1
f88v						
Canister #4 f88v (okolyd) 4 Red → Green	Ornate	Pointed	5	Yellow Nozzle	Yes	f88v Line 1 #1 (ceeoctey), f88v Line 1 #2 (cpeeor), f88v Line 1 #3 (otar arody), **f88v Line 1 #4 (otokol)**
Canister #5 f88v (otor am) 2 Red → Yellow			3			**f88v Line 2 #1 (otory),** f88v Line 2 #2 (ceeos dy), f88v Line 2 #3 (okaiiin)
Canister #6 f88v (daram dal) Green → 4 Red?			5	Red Nozzle		**f88v Line 3 #1 (otydary),** f88v Line 3 #2 (otdory), **f88v Line 3 #3 (darar g am)**
f89r1						
Canister #7 f89r1 (okcecsey) Yellow/Red Alternating	Ornate	Pointed	6?	Yellow Nozzle	Yes	f89r1 Line 1 #1 (qkol), f89r1 Line 1 #2 (oldag), f89r1 Line 1 #3 (otoldy), f89r1 Line 1 #4 (arar ceodaiin)
Canister #8 f89r1 (ykyd) Round Red → Yellow Bulb			2		Yes (flat)	f89r1 Line 2 #1 (ceol cees), f89r1 Line 2 #2 (otorain), f89r1 Line 2 #3 (okaiin dan)
Canister #9 f89r1 (yko cfey) Green → Yellow bottom → Red → Yellow → Green Ring → Bauble → Green/Red/Yellow Stem			5?			f89r1 Line 3 #1 (saldam), f89r1 Line 3 #2 (sydarary), f89r1 Line 3 #3 (ydcpody)
f89r2						
Canister #10 f89r2 (odory) Green → Green/Red Horizontal Stripes	Ornate	Pointed	4?	Green Nozzle	Yes (flat)	f89r2 Line 1 #1 (doly), f89r2 Line 1 #2 (ofceor am), f89r2 Line 1 #3 (sal oiin cseol), f89r2 Line 1 #4 (ofceeor)
Canister #11 f89r2 (otoldy) Green → Vertical Striated → Green → Yellow?			4?		Yes	**f89r2 Line 2 #1 (otol cseol dy),** f89r2 Line 2 #2 (ofcear oiin)
Canister #12 f89r2 (korain y) Green → Green → Yellow/Red Horizontal Striations → Green → Green → Bulb Shape			6?	Yellow Nozzle		f89r2 Line 3 #1 (sodar), f89r2 Line 3 #2 (ceey s), f89r2 Line 3 #3 (ceeody), f89r2 Line 3 #4 (ofor ain), f89r2 Line 3 #5 (okcsed ceos), f89r2 Line 3 #6
Canister #13 f89r2 (okain y orain) Green → Green → Vertical Striated → Yellow neck			4	Green Nozzle	Yes (flat)	f89r2 Line 4 #1 (ofakal), f89r2 Line 4 #2 (otal sy), f89r2 Line 4 #3 (ytas am), f89r2 Line 4 #4 (otolarol)
f89v2						
Canister #14 f89v2 (ceocedy) Green → Blue → Yellow → Green → Green	Ornate	Pointed	5	Yellow Nozzle	Yes	f89v2 Line 1 #1 (okaiil), **f89v2 Line 1 #2 (dar ceeos), f89v2 Line 1 #3 (ceokaro), f89v2 Line 1 #4 (cseeol), f89v2 Line 1 #5 (ceokam)**
Canister #15 f89v2 (okory) 4 Blue-Yellow Alternations			8		Yes (flat)	f89v2 Line 2 #1 (otair ceody), f89v2 Line 2 #2 (dykaran), f89v2 Line 2 #3 (opceedey)
Canister #16 f89v2 (opal oiiir y) Yellow → Green → Blue → Yellow			4		Yes	f89v2 Line 3 #1 (otor am), f89v2 Line 3 #2 (cetcey), f89v2 Line 3 #3 (odg oky sad oy), f89v2 Line 3 #4 (dair okoy)
f89v1						
Canister #17 f89v1 (okor aldy) 3 Green → Yellow	Ornate	Pointed	4	Yellow Nozzle	Yes (flat)	f89v1 Line 1 #1 (otockey), f89v1 Line 1 #2 (otceair), f89v1 Line 1 #3 (dar cseody)
Canister #18 f89v1 (koeeorair) Green → Blue → Green & Yellow Taper → Blue → Blue → Green			6		Yes	f89v1 #4 (otos cseos), f89v1 #5 (opol olaiin), f89v1 #6 (opal daiin)
f99r						
Canister #19 f99r (okar am og) Red	Plain	Flat	2	Olive Green	No	f99r #1 (okary), f99r #2 (darar), f99r #3 (oky), f99r #4 (daly), f99r #5 (oroair), f99r #6 (okor), f99r #7 (salol), f99r #8 (skeeal), f99r #9 (okary), f99r #10 (okolo), f99r #11 (otalag), f99r #12 (otaldy)
Canister #20 f99r (opasal) Red			2			f99r #13 (oaso), f99r #14 (aloly), f99r #15 (oarar), f99r #16 Mushroom Candidate (oeoky), f99r #17 (oky), f99r #18 (okeoly yteold), f99r #19 (oeeotoey)

Canister #21 f99r (toseoldy) Red			2		Yes	f99r #20 (okos), f99r #21 (oekey), f99r #22 (dar), f99r #23 Mushroom Candidate (oeockeey), f99r #24 (sceey et saiiiny), f99r #25 (sary), f99r #26 (dag)
Canister #22 f99r (yteoldy) Red			2		No	f99r #27 Black Bryony #2 (tols asy)
f99v						
Canister #23 f99v (okaragy) Red	Ornate	Flat	4	Blue	No	f99v #1 like Lupinus Albus (otoldy), f99v #2 (otor cey), f99v #3 (oldy), f99v #4 (das asy), f99v #5 (otaly), f99v #6 (olsy), f99v #7 (arol), f99v #8 (otoky)
Canister #24 f99v (okoldody) Red	Plain		2		Yes	f99v #9 RWB like Lupinus Albus (oeees ary), f99v #10 (daiiino), f99v #11 (dary), f99v #12 (saiiino), f99v #13 (otolsar), f99v #14 (osary)
Canister #25 f99v (darol aly) Red			2		No	f99v #15 (okecey otal), f99v #16 4-Legged (ceor olekor), f99v #17 (okeodor), f99v #18 (olky), f99v #19 (doldam)
Canister #26 f99v (oralar) Red			2			f99v #20 Bladderwort **(koleearol)**
f100r						
Canister #27 f100r (ceos ar ocseol) Red	Plain	Flat	2	Yellow	No	**f100r #1 (soceor cfey),** f100r #2 (otear), **f100r #3 (ceofary),** f100r #4 (sarcear), f100r #5 (daiiin dy), f100r #6 (oraro), f100r #7 (ceal sain), f100r #8 (soity), f100r #9 (sosam), f100r #10 (dakocke)
Canister #28 f100r (cseockeey) Red			3			f100r #11 (dofam), f100r #12 (okeeos), f100r #13 (orol), f100r #14 Gourd Candidate (ol ceom), f100r #15 (okols), f100r #16 Mugwort Variety? (oteol)
f100v						
Canister #29 f100v White → Red → Blue	Plain	Flat	3	Yellow		f100v #1 (tolced), f100v #2 (ceols), f100v #3 (opoeor), f100v #4 (solsy), f100v #5 Viper's Tongue (soleeesos), f100v #6 (ykceocedy) f100v #7 Resembles a Philodendron (ykcedy), f100v #8 (dcedy) f100v #9 Broccoli? (dalsy), f100v #10 (okceeor), f100v #11 (ytceol) f100v #12 Pine? (dykceal), f100v #13 Pine? (ceos ctearal)
f101r1						
Canister #30 f101r1 White → Blue	Plain	Flat	2	Yellow	No	f101r1 #1-10
Canister #31 f101r1 White → Blue → White			3			f101r1 #11 Pine, f101r1 #12-19
Canister #32 f101r1 White			2			f101r1 #20-29
f101v2						
Canister #33 f101v2 Red → Blue	Plain	Flat	2	Yellow	No	f101v2 #1 (rair aly), f101v2 #2 (otaldy), f101v2 #3 (otal), f101v2 #4 (yta*y), f101v1 #1 (dokor), f101v1 #2 (orar), f101v1 #3 (otarar), f101v1 #4 (otoly), f101v1 #5 (soraly)
Canister #34 f101v2 Red → Blue → Green			3			f101v2 #5 (okol), f101v2 #6 (aroj), f101v2 #7 (oras am), f101v2 #8 f101v1 #6 (dytoly), f101v1 #7 (olkor), f101v1 #8 (dolary), f101v1 #9 (odor), f101v1 #10 (olaran)
Canister #35 f101v2 Red → Blue			2			f101v2 #9 Pine Candidate #3, f101v2 #10-13, f101v1 #11-15
f102r1						
Canister #36 f102r1 (dolrod) Red	Plain	Flat	2	Bluish-Green?	No	f102r1 #1 Capparis Spinosa? **(otodeeodor)**
Canister #37 f102r1 (okolaly) Red → Shaded Red			2			f102r1 #2 Water Hemlock Dropwort (or Parsnips)
Canister #38 f102r1 (doaro cse) Red			2			f102r1 #3 European Aspen, f102r1 #4 Variety of Nightshade (leledy doto)
f102r2						
Canister #39 f102r2 (*odaiig) Red → Shaded Red	Plain	Flat	2	Light Green	No	f102r2 #1 Lungwort, f102r2 #2 Tormentil
Canister #40 f102r2 (***d)** Green → Red			2		Yes	f102r2 #3-7
Canister #41 f102r2 (do* toldy y*e*al r***la**g*)** Green → Red			2		No	f102r2 #8 Agrimony **(koldarod),** f102r2 #9 (odalyda*y)
f102v2						
Canister #42 f102v2 Top (porcseols) **Canister #42 f102v2 Bottom (doaijy)** White → Dark Blue Taper → White → Dark Blue	Ornate	Flat	4	Yellow	Yes	f102v2 #1 (orar), **f102v2 #2 (cseor),** f102v2 #3 (dacey), f102v2 #4 Blue Vitriol (Copper Sulfate) (okeos), f102v2 #5 (otol), f102v2 #6 (otosy), f102v2 #7 (okad), f102v2 #8 (otody), f102v2 #9 (oeeor), f102v2 #10 (okoroeey), f102v2 #11 Pine? (opcey), f102v2 #12 (darol), f102v2 #13 (olsodar), f102v2 #14 (tod)
Canister #43 f102v2 (okolky) Blue			4			f102v2 #15 (osair), f102v2 #16 (acky), f102v2 #17 (okeeoraiiin), f102v2 #18 **(okockey),** f102v2 #19 (o**)
f102v1						
Canister #44 f102v1 (keoraiin) Red Taper → Blue → Red Taper → Blue → Red	Ornate	Flat	5	Blue	Yes	f102v1 #1 (ykeody), f102v1 #2 "Syringes" Ipomoea indica? (okeody), f102v1 #3 (daisaly), f102v1 #4 (ypory), f102v1 #5 (opceytoy)
Canister #45 f102v1 (*o**)** Blue → Blue → Red → Blue			4	Red	No	f102v1 #6 (ypceoldy), f102v1 #8 (opcedard), f102v1 #7 Valerian Composite (losalody)

Table 24.6 Remedy/Solution Hierarchy Types and Distribution of Herbal Ingredients in the Pharmacopeia

Folio	Canister Type	Plant Type	ceo	ceol	ceor	ceos	ceod	ceody	ceom	oko[lr]	oto[lr]	oka[lr]	ota[lr]	o[fptk]ai$^{0-4}$n	oi$^{0-4}$n
f88r	Ornate/Apex	Mixed	0	20	9	1	0	2	5	12	1	1	2	1	0
f88v	Ornate/Apex	Mixed	3	3	10	2	0	8	0	3	3	2	1	1	1
f89r1	Ornate/Apex	Mixed	1	11	1	2	0	8	3	1	3	2	0	2	1
f89r2	Ornate/Apex	Mixed	5	14	10	3	0	4	0	4	6	1	1	1	7
f89v2	Ornate/Apex	Mixed	3	4	5	5	0	4	1	6	2	8	2	4	2
f89v1	Ornate/Apex	Mixed	0	7	6	2	0	7	0	10	0	5	3	4	1
f99r Black Bryony	Simple/Flat	Roots	1	19	9	0	0	4	1	9	2	4	2	0	1
f99v Bladderwort	Simple/Flat	Roots	0	8	1	0	0	2	0	23	5	2	3	2	4
f100r Leaf Cuttings?	Simple/Flat	Leaf	2	20	8	2	1	2	1	1	1	0	1	0	1
f100v Including Viper's Tongue	Simple/Flat	Leaf	2	4	4	1	2	1	0	2	2	1	0	0	0
f101r1	Simple/Flat	Leaf	7	22	7	1	0	3	1	5	3	1	0	2	2
f101v2 Spanning Page	Simple/Flat	Leaf	5	15	7	0	0	4	0	4	1	2	3	0	2
f101v1 All Horizontal Roots, Many Aristate	Simple/Flat	Leaf	0	0	0	0	0	0	0	1	2	0	1	0	0
f102r1 Musculo-Skeletal Meds (or Sinister Cosmetics)	Simple/Flat	Mixed	2	6	0	1	0	2	0	3	2	0	0	0	1
f102r2 Tormentil-Lungwort-Agrimony (Burn Remedies?)	Simple/Flat	Mixed + 1 Line Root	2	6	1	0	0	4	0	5	0	0	0	0	2
f102v2 Leaf Cuttings?	Ornate/Flat	Leaf + 1 Line Mixed	6	4	9	5	0	2	0	4	1	1	0	2	3
f102v1 Valerian + Other Prominent Roots, Trunks	Ornate/Flat	Mixed	4	10	4	0	0	5	0	1	0	1	0	0	4

Table 24.7 Problem/Disease Hierarchy Topics in the Pharmacopeia

Folio	ol[fptk]	old	ols	om	os	ody Disorders	ody	od	Burn	Toxin	oy	Eruptive	o[fptk]ceol	o[fptk]ceor	Color	Cosmetic
f88r	2	5	0	4	5	1	3	1	0	1	2	1	1	0	2	0
f88v	0	1	0	3	3	2	14	2	0	0	3	2	0	0	3	0
f89r1	0	3	0	2	2	0	2	2	0	0	0	1	0	0	1	1
f89r2	3	9	0	2	7	1	5	0	1	1	4	0	2	3	1	0
f89v2	0	0	1	4	11	1	5	0	1	0	4	0	0	0	3	1
f89v1	1	3	2	1	4	1	1	0	3	2	3	2	3	0	5	0
f99r Black Bryony	0	6	5	0	2	0	2	0	1	0	1	2	2	1	1	0
f99v Bladderwort	5	11	4	2	4	0	3	0	0	0	1	1	1	0	2	0
f100r Leaf Cuttings?	0	1	2	2	5	2	4	1	0	0	0	1	0	0	3	0
f100v Including Viper's Tongue	2	0	4	1	4	0	1	2	1	0	2	0	1	2	2	1
f101r1	1	1	0	0	2	1	2	1	2	0	0	5	2	1	4	0
f101v2 Spanning Page	0	4	0	2	1	0	8	2	1	0	2	1	1	0	4	0
f101v1 All Horizontal Roots, Many Aristate	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
f102r1 Musculo-Skeletal Meds (or Sinister Cosmetics)	0	5	0	1	2	0	8	1	1	0	2	2	0	0	1	1
f102r2 Tormentil-Lungwort-Agrimony (Burn Remedies?)	1	3	0	0	3	0	8	5	3	1	2	1	0	0	2	0
f102v2 Leaf Cuttings?	1	1	2	0	16	0	5	3	0	1	4	1	0	0	2	0
f102v1 Valerian + Other Prominent Roots, Trunks	1	1	0	1	5	2	11	0	0	1	1	1	0	0	3	0

Table 24.8: Word Category Affinity Scores for Root-Based Subsections of the Pharmacopeia

		Counts			Subsection				Differences			
#	Category	Words	Distinct	Section Affinity Score4	1	2	3	4	f99r-v vs. Other Root Pages	f99r vs. Leaf Pages	Other Root Pages vs. Leaf Pages	Root-Leaf
1	yc[fptk]e4y	5	4	0.33456	0.19059	0.16306	0.35365	-0.01674	0.02752	0.20732	0.17980	0.37039
2	ofol variants	9	8	0.26789	0.10170	0.18529	0.28698	-0.01674	-0.08359	0.11844	0.20202	0.30372
3	[yo]e4[fp]	26	25	0.16533	0.02905	0.15537	0.18442	-0.01674	-0.12632	0.04579	0.17211	0.20116
4	**okol variants**	**284**	**62**	**0.18104**	**0.08214**	**0.09334**	**0.17548**	**0.00439**	**-0.01121**	**0.07775**	**0.08895**	**0.17109**
5	**cfeo-initial**	**15**	**9**	**0.13456**	**0.05725**	**0.09640**	**0.15365**	**-0.01674**	**-0.03914**	**0.07399**	**0.11313**	**0.17039**
6	oe0-4[fp]oe0-4[lr]	66	41	0.16183	0.00574	0.16003	0.16577	-0.00159	-0.15429	0.00732	0.16162	0.16736
7	**old**	**231**	**120**	**0.14668**	**0.05985**	**0.08427**	**0.14413**	**0.00491**	**-0.02442**	**0.05494**	**0.07937**	**0.13922**
8	[yo]doi0-4r	24	15	0.18456	0.03225	0.12973	0.16198	0.02493	-0.09748	0.00732	0.10480	0.13705
9	[fptk | dlrsmg] + c | c[s | fptk] + e4om	48	12	0.14289	0.01142	0.12973	0.14115	0.00410	-0.11831	0.00732	0.12563	0.13705
10	**cke4y**	**87**	**5**	**0.16445**	**0.07105**	**0.07801**	**0.14905**	**0.01775**	**-0.00696**	**0.05330**	**0.06026**	**0.13131**
11	[yo]ke4ol	214	37	0.31774	0.11208	0.09390	0.20599	0.07672	0.01818	0.03536	0.01718	0.12927
12	eko	38	28	0.09245	0.01690	0.09464	0.11154	-0.01674	-0.07774	0.03364	0.11138	0.12828
13	**ckeo-initial**	**77**	**26**	**0.14235**	**0.09448**	**0.02800**	**0.12248**	**-0.00375**	**0.06649**	**0.09823**	**0.03175**	**0.12623**
14	**ol[ds]**	**323**	**176**	**0.15128**	**0.06799**	**0.06213**	**0.13012**	**0.01113**	**0.00585**	**0.05686**	**0.05101**	**0.11899**
15	[yo]doi0-4[lrm | n]	51	36	0.15025	0.02980	0.10032	0.13012	0.02248	-0.07051	0.00732	0.07784	0.10764
16	[yo]c[fptk]e4y	284	98	0.15639	0.02580	0.10039	0.12619	0.02200	-0.07459	0.00380	0.07839	0.10419
17	[yo]e0-4do + e4[i4 + [drn] & cedody	38	29	0.11877	0.01690	0.09464	0.11154	0.00958	-0.07774	0.00732	0.08506	0.10197
18	[yo]doi0-4[lr]	46	31	0.15195	0.03407	0.09350	0.12756	0.02674	-0.05943	0.00732	0.06676	0.10082
19	oc[fptk]e4y	279	94	0.15320	0.02285	0.09926	0.12211	0.02269	-0.07642	0.00016	0.07657	0.09942
20	[yo][fptk]e4ol	310	62	0.25392	0.08091	0.08242	0.16333	0.06713	-0.00151	0.01378	0.01528	0.09619
21	[yo]doi0-4[ln]	24	18	0.14289	0.03225	0.08806	0.12032	0.02493	-0.05581	0.00732	0.06313	0.09539
22	oc[s | fptk]e4y	311	113	0.13392	0.02274	0.08525	0.10799	0.01863	-0.06251	0.00411	0.06662	0.08936
23	[yo]c[s | fptk]e4y	346	126	0.11953	0.02238	0.07578	0.09816	0.01506	-0.05340	0.00732	0.06072	0.08310
24	oce4y + infixed versions	369	146	0.11342	0.01769	0.07688	0.09457	0.01307	-0.05920	0.00461	0.06381	0.08150
25	[yo]ke4o	81	14	0.11975	0.05232	0.04948	0.10180	0.02030	0.00283	0.03202	0.02918	0.08150
26	e[tk]o	64	48	0.04394	0.00621	0.05681	0.06303	-0.01674	-0.05060	0.02295	0.07355	0.07976
27	do	371	107	0.12054	0.02024	0.08166	0.10190	0.02369	-0.06142	-0.00346	0.05797	0.07820
28	ko	172	78	0.08572	0.00803	0.07353	0.08156	0.00652	-0.06550	0.00151	0.06701	0.07504
29	ory	97	48	0.08920	0.02152	0.05585	0.07736	0.00388	-0.03433	0.01763	0.05196	0.07348
30	odo	68	52	0.09632	0.02000	0.06600	0.08600	0.01268	-0.04601	0.00732	0.05333	0.07333
31	**oo**	**88**	**70**	**0.10501**	**0.00195**	**0.07670**	**0.07865**	**0.00599**	**-0.07475**	**-0.00404**	**0.07071**	**0.07266**
32	[yo]ke4o[lr]	306	57	0.29404	0.08863	0.08071	0.16934	0.09764	0.00792	-0.00902	-0.01693	0.07169
33	ai0-4[dlrsmg][dlrsmg]	303	209	0.05007	0.00049	0.05877	0.05926	-0.01014	-0.05828	0.01062	0.06891	0.06940
34	ols	92	56	0.16282	0.08841	0.00654	0.09495	0.02674	0.08187	0.06167	-0.02020	0.06821
35	oe4y	93	52	0.11736	0.03360	0.05984	0.09344	0.02627	-0.02624	0.00732	0.03356	0.06716
36	[yo]ce4y + infixed versions	456	171	0.09026	0.01471	0.06175	0.07646	0.00958	-0.04704	0.00513	0.05217	0.06688
37	oy + oe4y	240	143	0.09706	0.01142	0.06723	0.07865	0.01243	-0.05581	-0.00101	0.05480	0.06622
38	[yo][fptk]e4o[lr]	430	91	0.24154	0.06501	0.07934	0.14435	0.07861	-0.01434	-0.01361	0.00073	0.06574
39	[yo]e4 | c + [fp]	84	73	0.06551	0.00249	0.05830	0.06079	-0.00483	-0.05581	0.00732	0.06313	0.06562
40	[yo]ke4od	201	52	0.13854	0.01049	0.09242	0.10290	0.03799	-0.08193	-0.02750	0.05443	0.06491
41	**cpeo-initial**	**65**	**32**	**0.08841**	**0.00597**	**0.08614**	**0.09211**	**0.02942**	**-0.08017**	**-0.02345**	**0.05672**	**0.06269**
42	om	195	93	0.05251	0.00084	0.05537	0.05621	-0.00648	-0.05453	0.00732	0.06185	0.06269
43	[yo]ke4o[dlrsmg]	565	127	0.21775	0.05076	0.08165	0.13241	0.06999	-0.03088	-0.01922	0.01166	0.06242
44	oe sans oy + oe4y, oe0-4s	439	333	0.08946	0.01337	0.05418	0.06755	0.00604	-0.04081	0.00732	0.04814	0.06150

45	[yo]doi0-4l	22	16	0.11638	0.03604	0.05397	0.09001	0.02872	-0.01793	0.00732	0.02525	0.06130
46	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	422	41	0.06963	0.00481	0.06022	0.06502	0.00459	-0.05541	0.00021	0.05563	0.06043
47	oe	623	451	0.08544	0.01466	0.05135	0.06601	0.00734	-0.03668	0.00732	0.04401	0.05867
48	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	488	65	0.06776	0.00903	0.05118	0.06021	0.00580	-0.04215	0.00323	0.04537	0.05440
49	**cpe4y**	**24**	**4**	**0.01789**	**0.03225**	**0.00473**	**0.03698**	**-0.01674**	**0.02752**	**0.04899**	**0.02147**	**0.05372**
50	[yo]te4o[lr]	124	34	0.11198	0.00672	0.07597	0.08268	0.03165	-0.06925	-0.02493	0.04432	0.05103
51	oi	299	124	0.07503	0.01400	0.05002	0.06402	0.01336	-0.03602	0.00064	0.03666	0.05065
52	[yo][fptk]e4od + y	275	47	0.09820	0.00150	0.07215	0.07365	0.02326	-0.07066	-0.02177	0.04889	0.05039
53	o[lr]y	302	125	0.05708	0.03363	0.01935	0.05299	0.00313	0.01428	0.03050	0.01622	0.04986
54	[yo][fptk]e4o[dlrsmg]	895	219	0.15579	0.03193	0.06474	0.09667	0.04919	-0.03281	-0.01726	0.01555	0.04748
55	yc + e4ol	39	12	0.06277	0.01623	0.03999	0.05621	0.00890	-0.02376	0.00732	0.03108	0.04731
56	[yo]kc + e4ol	53	14	0.01003	0.02832	0.00080	0.02912	-0.01674	0.02752	0.04506	0.01754	0.04586
57	[yo][fptk]e4od	349	94	0.08642	0.00491	0.06048	0.06540	0.02051	-0.05557	-0.01560	0.03997	0.04489
58	[yo]d[ao]i0-4l	163	93	0.02045	0.00899	0.02441	0.03340	-0.01060	-0.01542	0.01959	0.03501	0.04401
59	ola	221	94	0.05221	0.02679	0.02189	0.04867	0.00589	0.00490	0.02090	0.01600	0.04279
60	dai4n	1099	4	0.03283	0.00060	0.04405	0.04464	0.00328	-0.04345	-0.00269	0.04076	0.04136
61	yodai0-4l	141	77	0.00548	0.00477	0.01980	0.02457	-0.01674	-0.01503	0.02151	0.03654	0.04131
62	**c[fptk]e4o**	**29**	**7**	**0.03801**	**0.02507**	**0.03203**	**0.05710**	**0.01775**	**-0.00696**	**0.00732**	**0.01428**	**0.03935**
63	oly	205	77	0.04188	0.03937	0.00209	0.04145	0.00278	0.03728	0.03659	-0.00069	0.03868
64	od[ao]i0-4l	150	82	0.01456	0.01059	0.01640	0.02698	-0.01007	-0.00581	0.02066	0.02647	0.03705
65	o[lr]a	458	207	0.08958	0.02115	0.03948	0.06064	0.02693	-0.01833	-0.00578	0.01255	0.03371
66	[yo]d[ao]i0-4[lr]	370	198	0.01024	0.00140	0.02252	0.02392	-0.00863	-0.02112	0.01003	0.03115	0.03255
67	odai0-4l	129	67	-0.00342	0.00609	0.00957	0.01567	-0.01674	-0.00348	0.02283	0.02631	0.03240
68	[dlrsmg | fptk] + oi4[dlrsmg | n]	746	52	0.05386	0.00935	0.03411	0.04346	0.01141	-0.02475	-0.00206	0.02270	0.03205
69	**okor variants**	**115**	**28**	**0.10847**	**0.03407**	**0.03263**	**0.06669**	**0.03544**	**0.00144**	**-0.00137**	**-0.00281**	**0.03126**
70	[yo][fptk]c + e0-4ol	149	41	0.00167	0.01072	0.01004	0.02076	-0.01003	0.00068	0.02075	0.02007	0.03079
71	ke4o	134	38	0.09128	0.00551	0.06008	0.06559	0.03550	-0.05457	-0.02999	0.02458	0.03009
72	**aro[dlrsmg]**	**102**	**58**	**0.01299**	**0.01020**	**0.01208**	**0.02228**	**-0.00693**	**-0.00189**	**0.01713**	**0.01902**	**0.02921**
73	**c[fptk]e4y**	**291**	**13**	**0.07202**	**0.02495**	**0.02835**	**0.05331**	**0.02450**	**-0.00340**	**0.00045**	**0.00385**	**0.02881**
74	or[yo]	206	118	0.05592	0.01486	0.02617	0.04103	0.01239	-0.01131	0.00247	0.01378	0.02864
75	oa	310	161	0.01198	0.00026	0.02113	0.02139	-0.00706	-0.02086	0.00732	0.02819	0.02845
76	yc + e4o[lr]	71	18	0.07541	0.01876	0.03349	0.05224	0.02552	-0.01473	-0.00676	0.00797	0.02672
77	**c[fptk]e4o-initial & c[fptk]e4y Superclass**	**1638**	**369**	**0.03896**	**0.01134**	**0.02289**	**0.03424**	**0.00768**	**-0.01155**	**0.00366**	**0.01521**	**0.02655**
78	oce4y + s infixes	90	52	-0.00988	0.00170	0.00751	0.00921	-0.01674	-0.00581	0.01844	0.02424	0.02594
79	ora	237	113	0.12443	0.01590	0.05589	0.07179	0.04655	-0.03999	-0.03065	0.00934	0.02524
80	ol[dtk]	840	367	0.00837	0.01321	0.00354	0.01675	-0.00840	0.00967	0.02161	0.01194	0.02515
81	od[ao]i0-4[lr]	348	179	0.00353	0.00208	0.01479	0.01687	-0.00812	-0.01271	0.01020	0.02290	0.02498
82	**otor variants**	**113**	**28**	**0.01421**	**0.00829**	**0.00731**	**0.01560**	**-0.00789**	**0.00098**	**0.01617**	**0.01520**	**0.02348**
83	o[lr][yoa]	1056	510	0.05672	0.02089	0.01799	0.03888	0.01641	0.00290	0.00448	0.00158	0.02247
84	[yo]te4ol	96	25	0.11164	0.01142	0.05681	0.06823	0.04576	-0.04539	-0.03434	0.01105	0.02247
85	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1162	45	0.06623	0.01296	0.03105	0.04401	0.02629	-0.01809	-0.01333	0.00476	0.01772
86	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2116	147	0.06027	0.00666	0.03348	0.04013	0.02343	-0.02682	-0.01678	0.01005	0.01670
87	o[lr][yo]	607	312	0.03341	0.02354	0.00095	0.02449	0.00797	0.02258	0.01556	-0.00702	0.01652
88	or[oa]	349	186	0.09502	0.01351	0.04043	0.05394	0.03770	-0.02692	-0.02419	0.00272	0.01623
89	[dlrsmg]e0-4y	335	11	0.00322	0.00253	0.00485	0.00738	-0.00778	-0.00233	0.01031	0.01264	0.01516
90	[tk]e4o	207	71	0.06499	0.00025	0.04519	0.04544	0.03157	-0.04494	-0.03132	0.01362	0.01387
91	[fptk | dlrsmg] + c | c[s | fptk] + e4or	694	37	0.04983	0.00067	0.03367	0.03434	0.02073	-0.03299	-0.02005	0.01294	0.01361
92	o[lr][oa]	765	394	0.05744	0.01673	0.01796	0.03470	0.02117	-0.00123	-0.00444	-0.00321	0.01352
93	[yo][fp]a	193	110	-0.00326	0.00095	0.00451	0.00546	-0.00637	-0.00356	0.00732	0.01089	0.01184
94	so	364	138	0.06093	0.00432	0.02350	0.02783	0.01623	-0.01918	-0.01191	0.00727	0.01160
95	oke0-4y	1282	139	0.02738	0.00931	0.01064	0.01995	0.00900	-0.00134	0.00030	0.00164	0.01095
96	**otol variants**	**235**	**53**	**0.03669**	**0.01186**	**0.00987**	**0.02174**	**0.01305**	**0.00199**	**-0.00119**	**-0.00318**	**0.00868**
97	**c[s | fptk]e4y**	**831**	**17**	**0.02963**	**0.00623**	**0.01360**	**0.01984**	**0.01455**	**-0.00737**	**-0.00832**	**-0.00095**	**0.00528**
98	**c + c[s | fptk]e4y**	**1502**	**21**	**0.01579**	**0.00124**	**0.01033**	**0.01157**	**0.00856**	**-0.00909**	**-0.00732**	**0.00177**	**0.00301**
99	yc + e4or	32	6	0.09081	0.02184	0.02556	0.04740	0.04576	-0.00373	-0.02393	-0.02020	0.00164

Table 24.9: Word Category Affinity Scores for the Peak Tuber and Root Sets on f99r-v

		Counts			Subsection				Differences			
#	Category	Words	Distinct	Section Affinity Score 4	1	2	3	4	f99r-v vs. Other Root Pages	f99r vs. Leaf Pages	Other Root Pages vs. Leaf Pages	Root-Leaf
1	opas variants	4	4	0.18456	0.24059	-0.03694	0.20365	-0.01674	0.27752	0.25732	-0.02020	0.22039
2	[yo]pc + e4o	8	7	0.05956	0.11559	-0.03694	0.07865	-0.01674	0.15252	0.13232	-0.02020	0.09539
3	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	26	6	0.04994	0.06751	-0.03694	0.03057	-0.01674	0.10445	0.08425	-0.02020	0.04731
4	yc[s | fptk]e4y	35	13	-0.00830	0.01916	-0.00837	0.01079	-0.01674	0.02752	0.03590	0.00837	0.02753
5	dody	18	12	-0.00988	0.04614	-0.03694	0.00921	-0.01674	0.08308	0.06288	-0.02020	0.02594
6	olp	20	16	-0.01544	0.04059	-0.03694	0.00365	-0.01674	0.07752	0.05732	-0.02020	0.02039
7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	185	37	-0.01679	0.01761	-0.01532	0.00230	-0.01674	0.03293	0.03435	0.00142	0.01904
8	ce0-4s	89	5	0.03568	0.02430	-0.00323	0.02107	0.00574	0.02752	0.01856	-0.00896	0.01533
9	ol[oa]	423	215	0.02676	0.01896	-0.00148	0.01748	0.00927	0.02043	0.00969	-0.01074	0.00821
10	ol[yo]	408	199	0.02280	0.02735	-0.01243	0.01492	0.00777	0.03978	0.01958	-0.02020	0.00715
11	[yo]pc + e4ol	29	11	0.03801	0.02507	-0.00245	0.02262	0.01775	0.02752	0.00732	-0.02020	0.00487
12	**o[tk]e0-4y**	**1989**	**242**	**0.00294**	**0.00466**	**-0.00174**	**0.00292**	**0.00136**	**0.00641**	**0.00330**	**-0.00311**	**0.00156**

Table 24.10: Word Category Affinity Scores for Root Sets Sans f99r-v

		Counts			Subsection				Differences			
#	Category	Words	Distinct	Section Affinity Score4	1	2	3	4	f99r-v vs. Other Root Pages	f99r vs. Leaf Pages	Other Root Pages vs. Leaf Pages	Root-Leaf
1	[yo]doi0-4n	2	2	0.43456	-0.00941	0.46306	0.45365	-0.01674	-0.47248	0.00732	0.47980	0.47039
2	[yo]fc + e4ody	2	2	-0.06544	-0.00941	0.46306	0.45365	-0.01674	-0.47248	0.00732	0.47980	0.47039
3	ydai0-4r	8	7	0.18456	-0.00941	0.21306	0.20365	-0.01674	-0.22248	0.00732	0.22980	0.22039
4	[yo]fo	28	26	0.18456	-0.00941	0.21306	0.20365	-0.01674	-0.22248	0.00732	0.22980	0.22039
5	ofor variants	8	7	0.18456	-0.00941	0.21306	0.20365	-0.01674	-0.22248	0.00732	0.22980	0.22039
6	[yo][fptk]e4om	12	4	0.18456	-0.00941	0.21306	0.20365	-0.01674	-0.22248	0.00732	0.22980	0.22039
7	opol variants	25	15	0.17456	-0.00941	0.20306	0.19365	-0.01674	-0.21248	0.00732	0.21980	0.21039
8	yd[ao]i0-4r	9	8	0.15678	-0.00941	0.18529	0.17587	-0.01674	-0.19470	0.00732	0.20202	0.19261
9	ofal variants	9	7	0.15678	-0.00941	0.18529	0.17587	-0.01674	-0.19470	0.00732	0.20202	0.19261
10	**cfe4y**	**9**	**3**	**0.04567**	**-0.00941**	**0.18529**	**0.17587**	**-0.01674**	**-0.19470**	**0.00732**	**0.20202**	**0.19261**
11	ydai0-4[lr]	20	17	0.13456	-0.00941	0.16306	0.15365	-0.01674	-0.17248	0.00732	0.17980	0.17039
12	yd[ao]i0-4[lr]	22	19	0.11638	-0.00941	0.14488	0.13547	-0.01674	-0.15429	0.00732	0.16162	0.15221
13	or + c | cs + e4o[lr]	11	10	0.29820	-0.00941	0.23579	0.22638	0.07417	-0.24520	-0.08359	0.16162	0.15221
14	[yo]te4or	28	9	0.11313	-0.00941	0.14163	0.13222	-0.01674	-0.15105	0.00732	0.15837	0.14896
15	[yo][fp]o	112	85	0.14885	-0.00941	0.15056	0.14115	0.00112	-0.15998	-0.01053	0.14944	0.14003
16	ydai0-4l	12	10	0.10123	-0.00941	0.12973	0.12032	-0.01674	-0.13914	0.00732	0.14647	0.13705

17	opod variants	6	6	0.10123	-0.00941	0.12973	0.12032	-0.01674	-0.13914	0.00732	0.14647	0.13705
18	os[dlrsmg]	12	12	0.10123	-0.00941	0.12973	0.12032	-0.01674	-0.13914	0.00732	0.14647	0.13705
19	yd[ao]i0-4[rm]	13	12	0.08841	-0.00941	0.11691	0.10750	-0.01674	-0.12632	0.00732	0.13365	0.12423
20	yd[ao]i0-4]	13	11	0.08841	-0.00941	0.11691	0.10750	-0.01674	-0.12632	0.00732	0.13365	0.12423
21	[yo]e0-4[fp]e0-4[yo]	167	122	0.11420	-0.00342	0.11875	0.11533	-0.00476	-0.12218	0.00134	0.12351	0.12009
22	[yo]po	84	59	0.13694	-0.00941	0.12973	0.12032	0.00707	-0.13914	-0.01649	0.12266	0.11324
23	**[dlrsmg] + ai4m**	**14**	**3**	**0.07742**	**-0.00941**	**0.10592**	**0.09651**	**-0.01674**	**-0.11533**	**0.00732**	**0.12266**	**0.11324**
24	ofas variants	7	4	0.07742	-0.00941	0.10592	0.09651	-0.01674	-0.11533	0.00732	0.12266	0.11324
25	ol + c | cs + e4ody	8	7	0.30956	-0.00941	0.21306	0.20365	0.10826	-0.22248	-0.11768	0.10480	0.09539
26	[yo]fc + e4ol	8	5	0.05956	-0.00941	0.08806	0.07865	-0.01674	-0.09748	0.00732	0.10480	0.09539
27	[yo]pc + e4or	16	6	0.12206	-0.00941	0.08806	0.07865	-0.01674	-0.09748	0.00732	0.10480	0.09539
28	**dai4m**	**111**	**3**	**0.05168**	**-0.00040**	**0.07117**	**0.07077**	**-0.01674**	**-0.07157**	**0.01633**	**0.08791**	**0.08750**
29	**[dlrsmg]ai4m**	**131**	**6**	**0.04906**	**-0.00178**	**0.06993**	**0.06815**	**-0.01674**	**-0.07171**	**0.01496**	**0.08667**	**0.08489**
30	or[lrsmg]	9	9	-0.06544	-0.00941	0.07417	0.06476	-0.01674	-0.08359	0.00732	0.09091	0.08150
31	ofai0-4n	9	5	0.04567	-0.00941	0.07417	0.06476	-0.01674	-0.08359	0.00732	0.09091	0.08150
32	oy	148	92	0.08997	-0.00266	0.07793	0.07527	0.00353	-0.08058	-0.00619	0.07439	0.07174
33	ydai0-4[lrm | n]	60	31	0.03456	-0.00941	0.06306	0.05365	-0.01674	-0.07248	0.00732	0.07980	0.07039
34	yd[ao]i0-4[lrm | n]	64	35	0.02831	-0.00941	0.05681	0.04740	-0.01674	-0.06623	0.00732	0.07355	0.06414
35	[yo]fai0-4n	11	7	0.02547	-0.00941	0.05397	0.04456	-0.01674	-0.06338	0.00732	0.07071	0.06130
36	[yo][fp][yoa]	347	219	0.04407	-0.00365	0.05240	0.04875	-0.00521	-0.05605	0.00156	0.05761	0.05396
37	[yo]kc + e4ody	24	10	0.01789	-0.00941	0.04640	0.03698	-0.01674	-0.05581	0.00732	0.06313	0.05372
38	opor variants	24	11	0.10123	-0.00941	0.08806	0.07865	0.02493	-0.09748	-0.03434	0.06313	0.05372
39	olf	24	20	0.01789	-0.00941	0.04640	0.03698	-0.01674	-0.05581	0.00732	0.06313	0.05372
40	ol + c | cs + e4o	12	8	0.01789	-0.00941	0.04640	0.03698	-0.01674	-0.05581	0.00732	0.06313	0.05372
41	yc + e4o	38	9	0.06614	-0.00941	0.06833	0.05891	0.00958	-0.07774	-0.01899	0.05875	0.04933
42	okos variants	13	5	0.01148	-0.00941	0.03999	0.03057	-0.01674	-0.04940	0.00732	0.05672	0.04731
43	okod variants	65	22	0.04225	-0.00941	0.05537	0.04596	-0.00135	-0.06478	-0.00806	0.05672	0.04731
44	ord	13	11	0.01148	-0.00941	0.03999	0.03057	-0.01674	-0.04940	0.00732	0.05672	0.04731
45	[fptk]ai4m	14	4	0.00599	-0.00941	0.03449	0.02508	-0.01674	-0.04390	0.00732	0.05123	0.04182
46	**opal variants**	**42**	**25**	**0.00599**	**-0.00941**	**0.03449**	**0.02508**	**-0.01674**	**-0.04390**	**0.00732**	**0.05123**	**0.04182**
47	okas variants	14	9	0.00599	-0.00941	0.03449	0.02508	-0.01674	-0.04390	0.00732	0.05123	0.04182
48	[yo]fa	56	38	0.04170	-0.00941	0.05235	0.04294	0.00112	-0.06176	-0.01053	0.05123	0.04182
49	[yo]dy endings	1219	315	0.05597	-0.00039	0.05002	0.04963	0.00787	-0.05041	-0.00826	0.04215	0.04176
50	oce4y	58	33	0.00353	-0.00941	0.03203	0.02262	-0.01674	-0.04144	0.00732	0.04877	0.03935
51	om + o[fptk | dlrsmg]am	525	172	0.02789	-0.00370	0.03544	0.03175	-0.00531	-0.03914	0.00161	0.04075	0.03705
52	[yo]py	31	14	-0.00092	-0.00941	0.02758	0.01817	-0.01674	-0.03699	0.00732	0.04432	0.03490
53	otos variants	16	10	0.12206	-0.00941	0.08806	0.07865	0.04576	-0.09748	-0.05518	0.04230	0.03289
54	ope0-4y	32	15	-0.00294	-0.00941	0.02556	0.01615	-0.01674	-0.03498	0.00732	0.04230	0.03289
55	odcey relatives	32	28	-0.00294	-0.00941	0.02556	0.01615	-0.01674	-0.03498	0.00732	0.04230	0.03289
56	**orcey relatives**	**49**	**38**	**0.03660**	**-0.00941**	**0.04470**	**0.03528**	**0.00367**	**-0.05411**	**-0.01308**	**0.04102**	**0.03161**
57	o[tk][ao]s	66	37	0.02547	-0.00941	0.03882	0.02941	-0.00159	-0.04823	-0.00783	0.04041	0.03099
58	or[fptk | dlrsmg]	33	31	-0.03514	-0.00941	0.02367	0.01426	-0.01674	-0.03308	0.00732	0.04041	0.03099
59	[yo][dlrsmg] + c | cs + e4o	17	13	-0.00662	-0.00941	0.02189	0.01247	-0.01674	-0.03130	0.00732	0.03862	0.02921
60	ek[yo]	252	75	0.00202	-0.00148	0.01465	0.01317	-0.01277	-0.01613	0.01129	0.02742	0.02594
61	[yo]cp	37	29	0.06970	-0.00941	0.04414	0.03473	0.01029	-0.05356	-0.01970	0.03385	0.02444
62	o[fptk][ao]s	75	43	0.01456	-0.00941	0.02973	0.02032	-0.00340	-0.03914	-0.00601	0.03313	0.02372
63	[yo]d[ao]i0-4r	207	105	0.00219	-0.00458	0.02103	0.01645	-0.00707	-0.02562	0.00249	0.02811	0.02353
64	[dlrsmg | fptk] + ai4n	1619	24	0.01239	-0.00200	0.02545	0.02345	-0.00006	-0.02745	-0.00194	0.02551	0.02351
65	[yo]d[ao]i0-4[lrm | n]	854	358	0.00950	-0.00239	0.02161	0.01922	-0.00386	-0.02400	0.00147	0.02547	0.02308
66	ydai0-4n	38	12	-0.01281	-0.00941	0.01569	0.00628	-0.01674	-0.02511	0.00732	0.03243	0.02302
67	yd[ao]i0-4n	38	12	-0.01281	-0.00941	0.01569	0.00628	-0.01674	-0.02511	0.00732	0.03243	0.02302
68	o[fptk]d	38	31	-0.01281	-0.00941	0.01569	0.00628	-0.01674	-0.02511	0.00732	0.03243	0.02302
69	yodai0-4[lr]	324	167	-0.00988	-0.00324	0.01245	0.00921	-0.01365	-0.01569	0.01041	0.02610	0.02286
70	[dlrsmg] + ai4[lr]	173	7	0.00392	-0.00941	0.02087	0.01145	-0.01096	-0.03028	0.00154	0.03182	0.02241
71	[dlrsmg | fptk] + ai4[dlrsmg | n]	2906	77	0.01027	-0.00322	0.02259	0.01938	-0.00263	-0.02581	-0.00059	0.02522	0.02200
72	[yo]te4o[dlrsmg]	330	92	0.04971	-0.00032	0.03579	0.03547	0.01357	-0.03611	-0.01389	0.02222	0.02190
73	[yo]c[fp]	59	49	0.03626	-0.00941	0.03086	0.02145	0.00021	-0.04027	-0.00963	0.03065	0.02123
74	[dlrsmg] + ai4[lr] + y-suffix	928	19	0.01538	-0.00510	0.02341	0.01831	-0.00273	-0.02851	-0.00237	0.02614	0.02103
75	[dlrsmg | fptk] + ai4[dlrsmg]	1287	53	0.00760	-0.00475	0.01901	0.01426	-0.00586	-0.02376	0.00111	0.02487	0.02011
76	od[ao]i0-4[lrm | n]	790	323	0.00798	-0.00182	0.01876	0.01694	-0.00281	-0.02058	0.00099	0.02157	0.01975
77	[yo]d[ao]i0-4n	446	131	0.01079	-0.00493	0.02360	0.01867	-0.00104	-0.02853	-0.00389	0.02464	0.01971
78	oda	834	352	0.00770	-0.00462	0.02062	0.01600	-0.00355	-0.02523	-0.00107	0.02416	0.01955
79	od[ao]i0-4n	408	119	0.01299	-0.00451	0.02434	0.01983	0.00042	-0.02885	-0.00493	0.02392	0.01941
80	[yo]tc + e4o	41	14	-0.04105	-0.00941	0.01184	0.00243	-0.01674	-0.02126	0.00732	0.02858	0.01917
81	[dlrsmg] + c | c[s | fptk] + e4o	41	14	0.03212	-0.00941	0.06062	0.05121	0.03204	-0.07004	-0.04146	0.02858	0.01917
82	[yo]tc + e4ol	62	14	-0.03318	-0.00941	0.01145	0.00204	-0.01674	-0.02086	0.00732	0.02819	0.01877
83	[yo][fp]y	42	24	-0.01782	-0.00941	0.01068	0.00127	-0.01674	-0.02009	0.00732	0.02742	0.01801
84	[dlrsmg]ai4[lr]	777	12	0.01435	-0.00426	0.02098	0.01671	-0.00129	-0.02524	-0.00297	0.02227	0.01801
85	yodai0-4[lrm | n]	803	322	0.00056	-0.00443	0.01661	0.01218	-0.00553	-0.02104	0.00110	0.02214	0.01771
86	yodai0-4n	444	129	0.00888	-0.00491	0.02162	0.01671	-0.00097	-0.02653	-0.00394	0.02259	0.01768
87	[yo]te4od	148	42	0.01564	-0.00266	0.01712	0.01446	-0.00322	-0.01977	0.00057	0.02034	0.01768
88	c | c[fptk] + e4o	212	10	0.06664	-0.00470	0.04325	0.03856	0.02100	-0.04795	-0.02569	0.02225	0.01756
89	[yo][fptk]c + e4ody	64	30	-0.03419	-0.00941	0.00994	0.00053	-0.01674	-0.01935	0.00732	0.02667	0.01726
90	odai0-4n	406	117	0.01091	-0.00449	0.02218	0.01769	0.00050	-0.02666	-0.00499	0.02167	0.01718
91	od[ao]i0-4r	198	97	-0.00483	-0.00436	0.01357	0.00921	-0.00664	-0.01793	0.00227	0.02020	0.01584
92	[yo]ce4y	110	45	-0.00180	-0.00941	0.01761	0.00820	-0.00765	-0.02702	-0.00177	0.02525	0.01584
93	o + c | cs + e4o	23	19	0.10847	-0.00941	0.05002	0.04061	0.02674	-0.05943	-0.03615	0.02328	0.01387
94	odai0-4[lrm | n]	743	291	-0.00218	-0.00403	0.01286	0.00883	-0.00462	-0.01689	0.00059	0.01748	0.01346
95	[yo]c + e4ody	47	33	0.01967	-0.00941	0.02689	0.01748	0.00454	-0.03631	-0.01395	0.02235	0.01294
96	sai4n	214	4	-0.00469	-0.00474	0.00512	0.00038	-0.00739	-0.00986	0.00265	0.01251	0.00777
97	**cteo-initial**	**222**	**46**	**0.02465**	**-0.00040**	**0.02162**	**0.02122**	**0.01479**	**-0.02203**	**-0.01520**	**0.00683**	**0.00642**
98	[fptk | dlrsmg] + c | c[s | fptk] + e4os	143	29	0.06743	-0.00941	0.04698	0.03757	0.03221	-0.05639	-0.04163	0.01476	0.00535
99	otod variants	86	32	-0.00730	-0.00941	0.00957	0.00016	-0.00511	-0.01899	-0.00430	0.01468	0.00527
100	e-initial	146	104	0.03045	-0.00256	0.01786	0.01529	0.01066	-0.02042	-0.01322	0.00720	0.00463
101	c | cs + e0-4r	533	6	0.00585	-0.00378	0.00809	0.00431	0.00202	-0.01188	-0.00581	0.00607	0.00228
102	[yo]c + e4o Superclass	333	206	0.05468	-0.00040	0.02613	0.02572	0.02531	-0.02653	-0.02571	0.00082	0.00042
103	c | cs + e0-4s	570	9	0.00649	-0.00064	0.00341	0.00277	0.00256	-0.00405	-0.00320	0.00085	0.00021
104	ce4y	671	4	-0.00136	-0.00494	0.00628	0.00134	0.00115	-0.01122	-0.00609	0.00513	0.00019

Table 24.11: Word Category Affinity Scores for Leaf-Oriented Sets of the Pharmacopeia

		Counts			Subsection				Differences			
#	Category	Words	Distinct	Section Affinity Score4	1	2	3	4	f99r-v vs. Other Root Pages	f99r vs. Leaf Pages	Other Root Pages vs. Leaf Pages	Root-Leaf
1	t[yo]lc	9	9	0.04567	-0.00941	-0.03694	-0.04635	0.09437	0.02752	-0.10379	-0.13131	-0.14072
2	okad variants	11	9	0.02547	-0.00941	-0.03694	-0.04635	0.07417	0.02752	-0.08359	-0.11111	-0.12052
3	**ol + c | cs + e4o[lr]**	**37**	**21**	**0.20483**	**0.01761**	**0.04414**	**0.06176**	**0.14543**	**-0.02653**	**-0.12781**	**-0.10128**	**-0.08367**
4	**o + c | cs + e4ol**	**47**	**32**	**0.10477**	**0.01186**	**0.00562**	**0.01748**	**0.08965**	**0.00625**	**-0.07778**	**-0.08403**	**-0.07217**
5	opai0-4n	26	8	-0.02698	-0.00941	-0.03694	-0.04635	0.02172	0.02752	-0.03114	-0.05866	-0.06807
6	et-initial	26	19	-0.02698	-0.00941	-0.03694	-0.04635	0.02172	0.02752	-0.03114	-0.05866	-0.06807
7	ofar variants	27	18	-0.02840	-0.00941	-0.03694	-0.04635	0.02030	0.02752	-0.02971	-0.05724	-0.06665

8	[yo]ke4or	92	20	0.23891	0.03407	0.05002	0.08408	0.14631	-0.01595	-0.11224	-0.09629	-0.06222
9	[yo]pai0-4n	31	12	-0.03318	-0.00941	-0.03694	-0.04635	0.01552	0.02752	-0.02493	-0.05246	-0.06187
10	**o + c | cs + e4o[lr]**	**87**	**65**	**0.07249**	**0.00208**	**0.00904**	**0.01112**	**0.06372**	**-0.00696**	**-0.06164**	**-0.05468**	**-0.05260**
11	[yo]ke4os	46	14	0.06499	-0.00941	0.00654	-0.00287	0.04848	-0.01595	-0.05789	-0.04194	-0.05135
12	rai4n	99	3	-0.02504	-0.00941	-0.02684	-0.03625	0.01357	0.01742	-0.02298	-0.04040	-0.04982
13	[yo]kc + e4or	53	15	-0.04657	-0.00941	-0.03694	-0.04635	0.00213	0.02752	-0.01154	-0.03907	-0.04848
14	[yo][fptk]e4os	103	29	0.03165	-0.00941	0.00190	-0.00751	0.03181	-0.01131	-0.04122	-0.02991	-0.03932
15	**cte4y**	**179**	**4**	**0.02953**	**0.00176**	**-0.00342**	**-0.00166**	**0.03354**	**0.00518**	**-0.03178**	**-0.03696**	**-0.03520**
16	[yo]fai0-4[rn]	38	25	-0.01281	-0.00941	-0.01062	-0.02003	0.00958	0.00121	-0.01899	-0.02020	-0.02961
17	[yo]d[ao]i0-4m	38	29	-0.01281	-0.00941	-0.01062	-0.02003	0.00958	0.00121	-0.01899	-0.02020	-0.02961
18	[fptk][yo]lc	70	54	0.02027	-0.00941	0.00592	-0.00349	0.02612	-0.01533	-0.03553	-0.02020	-0.02961
19	od[ao]i0-4m	34	25	-0.00662	-0.00941	-0.00753	-0.01694	0.01268	-0.00189	-0.02209	-0.02020	-0.02961
20	odai0-4m	33	24	-0.00483	-0.00941	-0.00663	-0.01605	0.01357	-0.00278	-0.02298	-0.02020	-0.02961
21	yodai0-4m	35	26	-0.00830	-0.00941	-0.00837	-0.01778	0.01183	-0.00105	-0.02125	-0.02020	-0.02961
22	[yo][fp]ai0-4[rn]	116	58	-0.03096	-0.00079	-0.02832	-0.02911	0.00050	0.02752	-0.00130	-0.02882	-0.02961
23	sc-initial	92	56	-0.02196	0.00146	-0.02607	-0.02461	0.00500	0.02752	-0.00355	-0.03107	-0.02961
24	[yo]te4os	57	15	0.00474	-0.00941	-0.00185	-0.01126	0.01835	-0.00756	-0.02776	-0.02020	-0.02961
25	[yo]te4o	43	10	-0.01893	-0.00941	-0.01368	-0.02309	0.00652	0.00427	-0.01593	-0.02020	-0.02961
26	**od[fptk | dlrsmg] minus odl**	**27**	**26**	**0.00863**	**-0.00941**	**0.00010**	**-0.00931**	**0.02030**	**-0.00951**	**-0.02971**	**-0.02020**	**-0.02961**
27	**od[fptk | dlrsmg]**	**52**	**46**	**-0.02698**	**-0.00941**	**-0.01771**	**-0.02712**	**0.00249**	**0.00829**	**-0.01191**	**-0.02020**	**-0.02961**
28	**o + c | cs + e4or**	**40**	**33**	**0.03456**	**-0.00941**	**0.01306**	**0.00365**	**0.03326**	**-0.02248**	**-0.04268**	**-0.02020**	**-0.02961**
29	olo	205	124	0.00285	0.01498	-0.02718	-0.01220	0.01253	0.04216	0.00245	-0.03971	-0.02474
30	[yo][fptk]e4o	74	10	0.02915	0.00410	0.00360	0.00770	0.02380	0.00050	-0.01970	-0.02020	-0.01610
31	te4o	73	33	0.01675	-0.00941	0.01786	0.00844	0.02436	-0.02727	-0.03377	-0.00650	-0.01591
32	[fptk]e0-4y	141	9	-0.00870	0.00477	-0.01566	-0.01089	0.00454	0.02043	0.00023	-0.02020	-0.01543
33	oi4[dlrsmg | n]	1020	12	0.01789	-0.00059	0.00326	0.00267	0.01660	-0.00385	-0.01719	-0.01334	-0.01393
34	o[lr]o	315	195	0.01075	0.01281	-0.01471	-0.00191	0.01183	0.02752	0.00097	-0.02655	-0.01374
35	cse4o	184	3	0.02152	-0.00941	0.01741	0.00800	0.02131	-0.02682	-0.03072	-0.00390	-0.01331
36	[yo][fptk]e4or	120	29	0.20956	0.02392	0.07140	0.09532	0.10826	-0.04748	-0.08434	-0.03687	-0.01295
37	yce4y	52	12	-0.00775	-0.00941	0.00152	-0.00789	0.00249	-0.01094	-0.01191	-0.00097	-0.01038
38	oi4n	49	4	0.07742	0.01100	0.02429	0.03528	0.04449	-0.01329	-0.03349	-0.02020	-0.00921
39	edo	97	69	-0.00358	-0.00941	0.00430	-0.00511	0.00388	-0.01371	-0.01329	0.00042	-0.00899
40	[fptk] + c | c[s | fptk] + e4o	47	10	-0.04416	-0.00941	0.00562	-0.00380	0.00454	-0.01503	-0.01395	0.00108	-0.00834
41	cse4y	540	4	0.00678	-0.00386	0.00566	0.00180	0.00919	-0.00951	-0.01305	-0.00353	-0.00739
42	od endings	243	134	0.02510	-0.00941	0.01656	0.00715	0.01207	-0.02597	-0.02148	0.00449	-0.00492
43	[fptk | dlrsmg] + c | c[s | fptk] + e4y	1890	69	0.00176	-0.00095	0.00169	0.00074	0.00496	-0.00263	-0.00590	-0.00327	-0.00422
44	oro	114	75	0.03105	0.00813	0.00692	0.01505	0.01835	0.00121	-0.01022	-0.01143	-0.00330
45	ce4o	151	4	0.04714	-0.00941	0.02929	0.01988	0.02300	-0.03870	-0.03241	0.00629	-0.00312
46	[fptk | dlrsmg] + c | c[s | fptk] + e4o	452	38	0.02527	-0.00720	0.02501	0.01781	0.02087	-0.03221	-0.02807	0.00414	-0.00306
47	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	37	16	0.06970	0.01761	0.01712	0.03473	0.03732	0.00050	-0.01970	-0.02020	-0.00259
48	c | cs + e0-4[dlrsmg]	653	18	-0.00265	-0.00176	-0.00018	-0.00194	0.00011	-0.00157	-0.00186	-0.00029	-0.00205
49	ai4n	605	4	-0.00098	0.00050	-0.00057	-0.00007	0.00145	0.00108	-0.00094	-0.00202	-0.00151
50	c | cs + e0-4d	559	7	0.00254	-0.00405	0.00421	0.00016	0.00115	-0.00825	-0.00520	0.00306	-0.00099
51	[q | fptk | dlrsmg] + oi0-4[lr]	1697	26	0.02001	0.00296	0.00726	0.01022	0.01096	-0.00430	-0.00800	-0.00370	-0.00074
52	od endings + odcey relatives	275	162	0.02183	-0.00941	0.01761	0.00820	0.00872	-0.02702	-0.01813	0.00889	-0.00052
53	c | cs + e0-4l	548	5	0.00390	-0.00394	0.00503	0.00110	0.00151	-0.00897	-0.00545	0.00352	-0.00042
54	oe0-4s	646	322	0.05066	-0.00322	0.02653	0.02331	0.02351	-0.02975	-0.02673	0.00302	-0.00020

Table 24.12: Word Sets with Positive Pharmacological and Balneological Sectional Affinities in Version #29

#	Category	Word Count	Distinct Word Count	Section Affinity Score 3	Section Affinity Score 4	Section Affinity Score 3 and 4 Split
1	yc[fptk]e4y	5	4	0.02245	0.33456	0.34579
2	ol + c | cs + e4o[lr]	37	21	0.06570	0.20483	0.23768
3	so	364	138	0.13839	0.06093	0.13013
4	**oi4n**	**49**	**4**	**0.06735**	**0.07742**	**0.11109**
5	[q | fptk | dlrsmg] + oi0-4[lr]	1697	26	0.16954	0.02001	0.10477
6	oly	205	77	0.12001	0.04188	0.10188
7	**[dlrsmg | fptk] + oi4[dlrsmg | n]**	**746**	**52**	**0.09323**	**0.05386**	**0.10048**
8	o[lr]y	302	125	0.07742	0.05708	0.09579
9	ol[yo]	408	199	0.12637	0.02280	0.08598
10	oro	114	75	0.10315	0.03105	0.08263
11	o[lr][yo]	607	312	0.09758	0.03341	0.08220
12	or[yo]	206	118	0.05061	0.05592	0.08122
13	**oi4[dlrsmg | n]**	**1020**	**12**	**0.11559**	**0.01789**	**0.07569**
14	o[lr][yoa]	1056	510	0.03647	0.05672	0.07495
15	ol[dtk]	840	367	0.12960	0.00837	0.07317
16	o[lr]o	315	195	0.12087	0.01075	0.07118
17	o[lr][oa]	765	394	0.02245	0.05744	0.06866
18	t[yo]lc	9	9	0.04468	0.04567	0.06801
19	olo	205	124	0.12977	0.00285	0.06774
20	cse4y	540	4	0.09468	0.00678	0.05412
21	ol[oa]	423	215	0.05177	0.02676	0.05264
22	[dlrsmg]ai4[lr]	777	12	0.06698	0.01435	0.04785
23	[fptk][yo]lc	70	54	0.05102	0.02027	0.04579
24	c | cs + e0-4r	533	6	0.07761	0.00585	0.04466
25	oke0-4y	1282	139	0.03228	0.02738	0.04352
26	c | cs + e0-4l	548	5	0.07428	0.00390	0.04104
27	c | cs + e0-4s	570	9	0.06631	0.00649	0.03965
28	c | cs + e0-4d	559	7	0.07111	0.00254	0.03809
29	ce0-4s	89	5	0.00223	0.03568	0.03680
30	c[s | fptk]e4y	831	17	0.01018	0.02963	0.03472
31	[dlrsmg] + ai4[lr] + y-suffix	928	19	0.03366	0.01538	0.03221
32	**aro[dlrsmg]**	**102**	**58**	**0.03814**	**0.01299**	**0.03206**
33	**c + c[s | fptk]e4y**	**1502**	**21**	**0.02086**	**0.01579**	**0.02621**
34	okas variants	14	9	0.03674	0.00599	0.02436
35	[dlrsmg]e0-4y	335	11	0.02544	0.00322	0.01594
36	**ek[yo]**	**252**	**75**	**0.02483**	**0.00202**	**0.01444**
37	[fptk | dlrsmg] + c | c[s | fptk] + e4y	1890	69	0.02457	0.00176	0.01404
38	[dlrsmg | fptk] + ai4[dlrsmg]	1287	53	0.01282	0.00760	0.01401
39	o[tk]e0-4y	1989	242	0.01049	0.00294	0.00818

Table 24.13: Word Sets with Positive Pharmacological and Section 5 Affinities in Version #29

				Section Affinity Score		
#	Category	Word Count	Distinct Word Count	4	5	2 Section Average
1	[yo]ke4o	81	14	0.11975	0.12624	0.18287
2	yc + e4o	38	9	0.06614	0.16620	0.14924
3	otos variants	16	10	0.12206	0.03133	0.13773
4	**ora**	**237**	**113**	**0.12443**	**0.00997**	**0.12942**
5	ol + c | cs + e4o	12	8	0.01789	0.21883	0.12731
6	[yo]te4or	28	9	0.11313	0.00455	0.11541
7	c | c[fptk] + e4o	212	10	0.06664	0.08204	0.10766
8	oi4n	49	4	0.07742	0.04536	0.10010

9	ce4o	151	4	0.04714	0.08969	0.09199
10	yc + e4ol	39	12	0.06277	0.05217	0.08885
11	[yo][fptk]e4o	74	10	0.02915	0.08370	0.07100
12	[tk]e4o	207	71	0.06499	0.00386	0.06692
13	[dlrsmg] + c | c[s | fptk] + e4o	41	14	0.03212	0.06030	0.06227
14	c | cs + e0-4l	548	5	0.00390	0.11664	0.06223
15	[fptk][yo]lc	70	54	0.02027	0.07598	0.05826
16	c | cs + e0-4r	533	6	0.00585	0.10345	0.05758
17	c | cs + e0-4d	559	7	0.00254	0.10882	0.05695
18	oke0-4y	1282	139	0.02738	0.05815	0.05646
19	c | cs + e0-4s	570	9	0.00649	0.08199	0.04749
20	opal variants	42	25	0.00599	0.07598	0.04398
21	oa	310	161	0.01198	0.05754	0.04075
22	te4o	73	33	0.01675	0.04760	0.04055
23	**aro[dlrsmg]**	**102**	**58**	**0.01299**	**0.05217**	**0.03907**
24	[yo]c + e4ody	47	33	0.01967	0.03798	0.03866
25	[dlrsmg] + ai4[lr]	173	7	0.00392	0.05987	0.03386
26	od[ao]i0-4n	408	119	0.01299	0.02521	0.02559
27	odai0-4n	406	117	0.01091	0.02672	0.02427
28	o[tk]e0-4y	1989	242	0.00294	0.04111	0.02349
29	olf	24	20	0.01789	0.01050	0.02314
30	od[fptk | dlrsmg] minus odl	27	26	0.00863	0.01513	0.01620
31	[yo]d[ao]i0-4n	446	131	0.01079	0.00583	0.01371
32	yodai0-4n	444	129	0.00888	0.00712	0.01245

Table 24.14: Leading Word Categories in Version #29, Ordered by Participation in the Ornate Canister Subsection of the Pharmacopeia

#	Category	Word Count	Distinct Word Count	Section Affinity Score 4	1	2	3	4	Pointed Top Difference	Ornate Difference
1	ofor variants	8	7	0.18456	0.22684	0.21859	-0.03012	-0.03836	0.26520	0.24870
2	ofal variants	9	7	0.15678	0.19906	0.19081	-0.03012	-0.03836	0.23743	0.22093
3	otos variants	16	10	0.12206	0.10184	0.15609	-0.03012	0.02414	0.07770	0.18620
4	opod variants	6	6	0.10123	0.14350	0.13526	-0.03012	-0.03836	0.18187	0.16537
5	ydai0-4l	12	10	0.10123	0.14350	0.13526	-0.03012	-0.03836	0.18187	0.16537
6	[yo][fptk]e4om	12	4	0.18456	0.14350	0.13526	-0.03012	-0.03836	0.18187	0.16537
7	yd[ao]i0-4l	13	11	0.08841	0.13068	0.12244	-0.03012	-0.03836	0.16905	0.15255
8	[dlrsmg] + ai4m	14	3	0.07742	0.11970	0.11145	-0.03012	-0.03836	0.15806	0.14156
9	ofas variants	7	4	0.07742	0.11970	0.11145	-0.03012	-0.03836	0.15806	0.14156
10	[yo]fc + e4ol	8	5	0.05956	0.10184	0.09359	-0.03012	-0.03836	0.14020	0.12370
11	ofai0-4n	9	5	0.04567	0.08795	0.07970	-0.03012	-0.03836	0.12631	0.10982
12	[dlrsmg]ai4m	131	6	0.04906	0.06081	0.06783	-0.02248	-0.01546	0.07627	0.09031
13	[yo]fai0-4n	11	7	0.02547	0.06775	0.05950	-0.03012	-0.03836	0.10611	0.08961
14	o[tk][ao]s	66	37	0.02547	0.05260	0.05950	-0.03012	-0.02321	0.07581	0.08961
15	okad variants	11	9	0.02547	-0.02316	0.05950	-0.03012	0.05254	-0.07571	0.08961
16	dai4m	111	3	0.05168	0.07594	0.06769	-0.02111	-0.02936	0.10529	0.08879
17	[fptk | dlrsmg] + c | c[s | fptk] + e4os	143	29	0.06743	0.04677	0.07348	-0.00914	0.01758	0.02919	0.08262
18	olf	24	20	0.01789	0.06017	0.05192	-0.03012	-0.03836	0.09854	0.08204
19	[yo]kc + e4ody	24	10	0.01789	0.01850	0.05192	-0.03012	0.00330	0.01520	0.08204
20	o[fptk][ao]s	75	43	0.01456	0.04350	0.04859	-0.03012	-0.02503	0.06854	0.07870
21	eko	38	28	0.09245	0.08210	0.07385	-0.00380	-0.01205	0.09415	0.07765
22	okos variants	13	5	0.01148	0.05376	0.04551	-0.03012	-0.03836	0.09213	0.07563
23	okas variants	14	9	0.00599	0.04827	0.04002	-0.03012	-0.03836	0.08663	0.07013
24	[yo]fa	56	38	0.04170	0.06612	0.05787	-0.01226	-0.02051	0.08663	0.07013
25	opal variants	42	25	0.00599	0.04827	0.04002	-0.03012	-0.03836	0.08663	0.07013
26	[yo]te4os	57	15	0.00474	0.01193	0.03876	-0.03012	-0.00328	0.01520	0.06888
27	[yo][fptk]e4o	74	10	0.02915	0.01738	0.04967	-0.01660	0.01569	0.00169	0.06627
28	e[tk]o	64	48	0.04394	0.05496	0.04671	-0.01449	-0.02274	0.07770	0.06120
29	odcey relatives	32	28	-0.00294	0.03934	0.03109	-0.03012	-0.03836	0.07770	0.06120
30	[yo][fptk]e4os	103	29	0.03165	0.00596	0.04626	-0.01070	0.02960	-0.02363	0.05696
31	yce4y	52	12	-0.00775	-0.00393	0.02628	-0.03012	0.00010	-0.00403	0.05640
32	ydai0-4n	38	12	-0.01281	0.00315	0.02122	-0.03012	-0.01205	0.01520	0.05134
33	yd[ao]i0-4n	38	12	-0.01281	0.00315	0.02122	-0.03012	-0.01205	0.01520	0.05134
34	[yo][fp][yoa]	347	219	0.04407	0.03448	0.04640	-0.00418	0.00774	0.02673	0.05058
35	ydai0-4[lrm | n]	60	31	0.03456	0.02684	0.03526	-0.01345	-0.00503	0.03187	0.04870
36	yd[ao]i0-4[lrm | n]	64	35	0.02831	0.02371	0.03109	-0.01449	-0.00711	0.03083	0.04558
37	ai0-4[dlrsmg][dlrsmg]	303	209	0.05007	0.04284	0.04120	-0.00371	-0.00536	0.04821	0.04491
38	[yo]ce4y	110	45	-0.00180	0.01320	0.02313	-0.02102	-0.01109	0.02429	0.04416
39	otas variants	22	12	-0.01999	0.02229	0.01404	-0.03012	-0.03836	0.06066	0.04416
40	[dlrsmg] + ai4[lr] + y-suffix	928	19	0.01538	0.03072	0.02893	-0.01287	-0.01466	0.04538	0.04181
41	ety	96	33	-0.02377	0.01850	0.01026	-0.03012	-0.03836	0.05687	0.04037
42	[dlrsmg]ai4[lr]	777	12	0.01435	0.02961	0.02779	-0.01210	-0.01391	0.04352	0.03989
43	[dlrsmg] + ai4[lr]	173	7	0.00392	0.02308	0.02061	-0.01855	-0.02102	0.04410	0.03917
44	om + o[fptk | dlrsmg]am	525	172	0.02789	0.03779	0.03145	-0.00726	-0.01360	0.05139	0.03870
45	[dlrsmg | fptk] + ai4[dlrsmg]	1287	53	0.00760	0.02501	0.02298	-0.01458	-0.01661	0.04162	0.03755
46	opai0-4n	26	8	-0.02698	-0.02316	0.00705	-0.03012	0.00010	-0.02326	0.03717
47	eto	26	20	-0.02698	0.01530	0.00705	-0.03012	-0.03836	0.05366	0.03717
48	yce4y + s infixes	82	21	-0.02885	-0.01097	0.00517	-0.03012	-0.01397	0.00301	0.03529
49	oce4y	58	33	0.00353	0.02856	0.02031	-0.01287	-0.02112	0.04969	0.03319
50	yce4y + infixed versions	87	25	-0.00797	-0.00017	0.01457	-0.01862	-0.00388	0.00371	0.03319
51	[yo]pai0-4n	31	12	-0.03318	-0.02316	0.00085	-0.03012	-0.00611	-0.01705	0.03096
52	[yo][fp]a	193	110	-0.00326	0.01829	0.01522	-0.01457	-0.01764	0.03593	0.02979
53	sai4n	214	4	-0.00469	0.01422	0.01064	-0.01610	-0.01967	0.03389	0.02674
54	[yo]ce4y + s infixes	172	73	-0.01893	0.00009	0.00347	-0.01849	-0.01511	0.01520	0.02196
55	**oa**	**310**	**161**	**0.01198**	**0.01555**	**0.01698**	**-0.00431**	**-0.00288**	**0.01843**	**0.02129**
56	yodai0-4l	141	77	0.00548	0.01939	0.01114	-0.00884	-0.01709	0.03648	0.01998
57	[yo]c + e4ody	47	33	0.01967	0.01939	0.01114	-0.00884	-0.01709	0.03648	0.01998
58	edo	97	69	-0.00358	0.01808	0.00983	-0.00950	-0.01775	0.03582	0.01932
59	[dlrsmg | fptk] + ai4[dlrsmg | n]	2906	77	0.01027	0.01951	0.01642	-0.00087	-0.00395	0.02346	0.01729
60	o[fptk | dlrsmg][ao]m	282	107	-0.00870	0.00875	0.00050	-0.01593	-0.02418	0.03293	0.01643
61	ce4y	671	4	-0.00136	0.00515	0.01181	-0.00329	0.00336	0.00179	0.01510
62	[yo]tc + e4ol	62	14	-0.03318	0.00910	0.00085	-0.01399	-0.02224	0.03133	0.01483
63	ek[yo]	252	75	0.00202	0.00858	0.00827	-0.00631	-0.00662	0.01520	0.01458
64	yodai0-4[lr]	324	167	-0.00988	0.00770	0.00254	-0.01160	-0.01676	0.02446	0.01414
65	Single-Letter Words	789	32	-0.01221	0.00979	0.00534	-0.00857	-0.01302	0.02281	0.01391
66	ai4n	605	4	-0.00098	0.00494	0.00330	-0.00698	-0.00861	0.01355	0.01027
67	oce4y + s infixes	90	52	-0.00988	0.01017	0.00192	-0.00789	-0.01614	0.02631	0.00982
68	oda	834	352	0.00770	0.00801	0.00936	-0.00014	0.00120	0.00681	0.00950
69	yodai0-4[lrm | n]	803	322	0.00056	0.00673	0.00595	-0.00272	-0.00350	0.01022	0.00867
70	aro[dlrsmg]	102	58	0.01299	0.00625	0.00780	-0.00070	0.00085	0.00540	0.00851
71	odai0-4[lrm | n]	743	291	-0.00218	0.00510	0.00358	-0.00185	-0.00337	0.00847	0.00543

Table 24.15: Leading Word Categories in Version #29, Ordered by Negative Affinity for the Ornate Canister Subsection of the Pharmacopeia

#	Category	Word Count	Distinct Word Count	Section Affinity Score 4	1	2	3	4	Pointed Top Difference	Ornate Difference
1	[yo]fc + e4ody	2	2	-0.06544	-0.02316	-0.03141	0.46988	0.46164	-0.48480	-0.50130
2	opas variants	4	4	0.18456	-0.02316	-0.03141	0.21988	0.21164	-0.23480	-0.25130
3	cfe4y	9	3	0.04567	-0.02316	-0.03141	0.19211	0.18386	-0.20702	-0.22352
4	ofol variants	9	8	0.26789	-0.02316	-0.03141	0.19211	0.18386	-0.20702	-0.22352
5	**o + c | cs + e4ol**	**47**	**32**	**0.10477**	**-0.02316**	**-0.03141**	**0.09754**	**0.08929**	**-0.11246**	**-0.12896**
6	ydai0-4r	8	7	0.18456	-0.02316	-0.03141	0.09488	0.08664	-0.10980	-0.12630
7	[yo]pc + e4o	8	7	0.05956	-0.02316	-0.03141	0.09488	0.08664	-0.10980	-0.12630
8	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	26	6	0.04994	-0.02316	-0.03141	0.08527	0.07702	-0.10018	-0.11668
9	**or[lrsmg]**	**9**	**9**	**-0.06544**	**-0.02316**	**-0.03141**	**0.08100**	**0.07275**	**-0.09591**	**-0.11241**
10	yd[ao]i0-4r	9	8	0.15678	-0.02316	-0.03141	0.08100	0.07275	-0.09591	-0.11241
11	t[yo]lc	9	9	0.04567	-0.02316	-0.03141	0.08100	0.07275	-0.09591	-0.11241
12	[yo]te4ol	96	25	0.11164	-0.01275	-0.00016	0.09488	0.10747	-0.12021	-0.09505
13	okom variants	11	4	0.02547	-0.02316	-0.03141	0.06079	0.05254	-0.07571	-0.09220
14	**ol + c | cs + e4o**	**12**	**8**	**0.01789**	**-0.02316**	**-0.03141**	**0.05322**	**0.04497**	**-0.06813**	**-0.08463**
15	os[dlrsmg]	12	12	0.10123	-0.02316	-0.03141	0.05322	0.04497	-0.06813	-0.08463
16	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	37	16	0.06970	0.00387	-0.00438	0.07799	0.06974	-0.06588	-0.08238
17	ord	13	11	0.01148	-0.02316	-0.03141	0.04681	0.03856	-0.06172	-0.07822
18	**cpeo-initial**	**65**	**32**	**0.08841**	**0.00761**	**-0.00064**	**0.07758**	**0.06933**	**-0.06172**	**-0.07822**
19	yd[ao]i0-4[rm]	13	12	0.08841	-0.02316	-0.03141	0.04681	0.03856	-0.06172	-0.07822
20	**ola**	**221**	**94**	**0.05221**	**-0.00506**	**-0.01331**	**0.06038**	**0.05213**	**-0.05719**	**-0.07369**
21	[fptk]ai4m	14	4	0.00599	-0.02316	-0.03141	0.04131	0.03306	-0.05623	-0.07272
22	c | cs + e0-4r	14	3	-0.06544	-0.02316	-0.03141	0.04131	0.03306	-0.05623	-0.07272
23	**o + c | cs + e4o[lr]**	**87**	**65**	**0.07249**	**-0.02316**	**-0.00842**	**0.06184**	**0.07658**	**-0.09974**	**-0.07026**
24	**ol[oa]**	**423**	**215**	**0.02676**	**-0.01371**	**-0.02195**	**0.04790**	**0.03965**	**-0.05335**	**-0.06985**
25	**olo**	**205**	**124**	**0.00285**	**-0.02316**	**-0.03141**	**0.03818**	**0.02993**	**-0.05309**	**-0.06959**
26	**ol[yo]**	**408**	**199**	**0.02280**	**-0.01581**	**-0.02161**	**0.04586**	**0.04007**	**-0.05588**	**-0.06747**
27	[fptk] + c | c[s | fptk] + e4o	47	10	-0.04416	-0.02316	-0.03141	0.03371	0.02546	-0.04863	-0.06513
28	**oly**	**205**	**77**	**0.04188**	**-0.00853**	**-0.01190**	**0.05281**	**0.04944**	**-0.05797**	**-0.06471**
29	or[fptk | dlrsmg]	33	31	-0.03514	-0.02316	-0.03141	0.03049	0.02224	-0.04540	-0.06190
30	[yo][dlrsmg] + c | cs + e4o	17	13	-0.00662	-0.02316	-0.03141	0.02871	0.02046	-0.04362	-0.06012
31	c | cs + e0-4s	51	6	-0.00662	-0.02316	-0.03141	0.02871	0.02046	-0.04362	-0.06012
32	ce0-4s	89	5	0.03568	-0.01193	-0.02018	0.03730	0.02905	-0.04098	-0.05748
33	dody	18	12	-0.00988	-0.02316	-0.03141	0.02544	0.01719	-0.04035	-0.05685
34	olp	20	16	-0.01544	-0.02316	-0.03141	0.01988	0.01164	-0.03480	-0.05130
35	[yo]tc + e4o	41	14	-0.04105	-0.02316	-0.03141	0.01866	0.01042	-0.03358	-0.05008
36	[yo][fptk | dlrsmg] + c | cs + e4o	111	50	-0.02940	-0.02316	-0.03141	0.01493	0.00668	-0.02984	-0.04634
37	[yo][fptk]c + e0-4o	95	38	-0.03386	-0.02316	-0.03141	0.01199	0.00374	-0.02690	-0.04340
38	**o[lr]o**	**315**	**195**	**0.01075**	**-0.01364**	**-0.01554**	**0.02703**	**0.02513**	**-0.03877**	**-0.04257**
39	et-initial	26	19	-0.02698	-0.02316	-0.03141	0.00835	0.00010	-0.02326	-0.03976
40	**o[lr][yo]**	**607**	**312**	**0.03341**	**-0.00504**	**-0.00340**	**0.03578**	**0.03742**	**-0.04246**	**-0.03919**
41	ofar variants	27	18	-0.02840	-0.02316	-0.03141	0.00692	-0.00133	-0.02183	-0.03833
42	[yo]tc + e4or	58	12	-0.04820	-0.02316	-0.03141	0.00437	-0.00388	-0.01928	-0.03578
43	cse4o	184	3	0.02152	-0.01773	-0.00424	0.02967	0.04316	-0.06088	-0.03390
44	[yo]py	31	14	-0.00092	-0.02316	-0.03141	0.00214	-0.00611	-0.01705	-0.03355
45	ocse4y	32	19	-0.03419	-0.02316	-0.03141	0.00113	-0.00711	-0.01605	-0.03255
46	ope0-4y	32	15	-0.00294	-0.02316	-0.03141	0.00113	-0.00711	-0.01605	-0.03255
47	[fptk | dlrsmg] + c | c[s | fptk] + e4od	65	21	-0.00390	-0.00778	-0.01603	0.01604	0.00779	-0.01557	-0.03206
48	o[tk]e4s	99	46	-0.03514	-0.02316	-0.03141	0.00019	-0.00806	-0.01510	-0.03160
49	[fptk][yo]lc	70	54	0.02027	-0.00888	-0.00284	0.02703	0.03306	-0.04194	-0.02987
50	te4o	73	33	0.01675	-0.00946	-0.00401	0.02468	0.03013	-0.03959	-0.02869
51	[yo]te4od	148	42	0.01564	-0.02316	-0.01790	0.01042	0.01569	-0.03885	-0.02832
52	sc-initial	92	56	-0.02196	-0.01229	-0.02054	0.00249	-0.00576	-0.00654	-0.02303
53	[yo][fptk]c + e0-4or	132	37	-0.02756	-0.00801	-0.01626	0.00019	-0.00806	0.00005	-0.01645
54	otor variants	113	28	0.01421	0.00339	-0.00486	0.00528	-0.00297	0.00635	-0.01015
55	o[tk]e0-4y	1989	242	0.00294	-0.00456	-0.00125	0.00407	0.00739	-0.01195	-0.00532
56	odai0-4m	33	24	-0.00483	0.00714	-0.00111	0.00019	-0.00806	0.01520	-0.00130

Table 24.16: Leading Word Categories in Version #29 for Flat-Topped Containers, Ordered by Participation in the Ornate Canister Distribution

#	Category	Word Count	Distinct Word Count	Section Affinity Score 4	1	2	3	4	Pointed Top Difference	Ornate Difference	Ornate vs Non-Ornate within Non-Pointed Top Set
1	okad variants	11	9	0.02547	-0.02316	0.05950	-0.03012	0.05254	-0.07571	0.08961	0.08266
2	otos variants	16	10	0.12206	0.10184	0.15609	-0.03012	0.02414	0.07770	0.18620	0.05425
3	[yo][fptk]e4os	103	29	0.03165	0.00596	0.04626	-0.01070	0.02960	-0.02363	0.05696	0.04029
4	[yo]kc + e4ody	24	10	0.01789	0.01850	0.05192	-0.03012	0.00330	0.01520	0.08204	0.03342
5	[yo][fptk]e4o	74	10	0.02915	0.01738	0.04967	-0.01660	0.01569	0.00169	0.06627	0.03229
6	yce4y	52	12	-0.00775	-0.00393	0.02628	-0.03012	0.00010	-0.00403	0.05640	0.03021
7	opai0-4n	26	8	-0.02698	-0.02316	0.00705	-0.03012	0.00010	-0.02326	0.03717	0.03021
8	[yo]te4os	57	15	0.00474	0.01193	0.03876	-0.03012	-0.00328	0.01520	0.06888	0.02684
9	[fptk | dlrsmg] + c | c[s | fptk] + e4os	143	29	0.06743	0.04677	0.07348	-0.00914	0.01758	0.02919	0.08262	0.02672
10	[yo]pai0-4n	31	12	-0.03318	-0.02316	0.00085	-0.03012	-0.00611	-0.01705	0.03096	0.02401
11	yd[ao]i0-4n	38	12	-0.01281	0.00315	0.02122	-0.03012	-0.01205	0.01520	0.05134	0.01807
12	ydai0-4n	38	12	-0.01281	0.00315	0.02122	-0.03012	-0.01205	0.01520	0.05134	0.01807
13	yce4y + s infixes	82	21	-0.02885	-0.01097	0.00517	-0.03012	-0.01397	0.00301	0.03529	0.01614
14	[yo]te4o	43	10	-0.01893	-0.02316	-0.00816	-0.03012	-0.01511	-0.00805	0.02196	0.01501
15	yce4y + infixed versions	87	25	-0.00797	-0.00017	0.01457	-0.01862	-0.00388	0.00371	0.03319	0.01474
16	[yo][fp][yoa]	347	219	0.04407	0.03448	0.04640	-0.00418	0.00774	0.02673	0.05058	0.01192
17	[yo]ce4y	110	45	-0.00180	0.01320	0.02313	-0.02102	-0.01109	0.02429	0.04416	0.00993
18	c | cs + e0-4r	533	6	0.00585	0.00686	0.01549	-0.00197	0.00666	0.00019	0.01747	0.00864
19	ydai0-4[lrm | n]	60	31	0.03456	0.02684	0.03526	-0.01345	-0.00503	0.03187	0.04870	0.00842
20	c | cs + e0-4l	548	5	0.00390	0.00604	0.01421	-0.00457	0.00361	0.00243	0.01878	0.00817
21	c | cs + e0-4d	559	7	0.00254	0.00546	0.01331	-0.00507	0.00278	0.00268	0.01838	0.00785
22	c | cs + e0-4s	570	9	0.00649	0.00491	0.01245	-0.00029	0.00725	-0.00234	0.01274	0.00754
23	yd[ao]i0-4[lrm | n]	64	35	0.02831	0.02371	0.03109	-0.01449	-0.00711	0.03083	0.04558	0.00738
24	[yo][fptk]c + e4ody	64	30	-0.03419	-0.00754	-0.00016	-0.01449	-0.00711	-0.00042	0.01433	0.00738
25	[dlrsmg]ai4m	131	6	0.04906	0.06081	0.06783	-0.02248	-0.01546	0.07627	0.09031	0.00702
26	o[tk][ao]s	66	37	0.02547	0.05260	0.05950	-0.03012	-0.02321	0.07581	0.08961	0.00690
27	ce4y	671	4	-0.00136	0.00515	0.01181	-0.00329	0.00336	0.00179	0.01510	0.00665
28	rc-initial	70	35	-0.02258	-0.00888	-0.00284	-0.01583	-0.00979	0.00092	0.01299	0.00604
29	c | cs + e0-4[dlrsmg]	653	18	-0.00265	0.00134	0.00687	-0.00255	0.00298	-0.00164	0.00942	0.00553
30	o[fptk][ao]s	75	43	0.01456	0.04350	0.04859	-0.03012	-0.02503	0.06854	0.07870	0.00508
31	[yo]ce4y + s infixes	172	73	-0.01893	0.00009	0.00347	-0.01849	-0.01511	0.01520	0.02196	0.00338
32	otod variants	86	32	-0.00730	-0.01153	-0.00816	-0.01849	-0.01511	0.00358	0.01033	0.00338
33	aro[dlrsmg]	102	58	0.01299	0.00625	0.00780	-0.00070	0.00085	0.00540	0.00851	0.00155
34	oa	310	161	0.01198	0.01555	0.01698	-0.00431	-0.00288	0.01843	0.02129	0.00143
35	oda	834	352	0.00770	0.00801	0.00936	-0.00014	0.00120	0.00681	0.00950	0.00134
36	eky	214	47	-0.01404	-0.00447	-0.00337	-0.00675	-0.00565	0.00118	0.00338	0.00110

Table 24.17: Leading Word Categories in Version #29, Ordered by Participation in the Pointed Top Canister Subsection of the Pharmacopeia

#	Category	Word Count	Distinct Word Count	Section Affinity Score 4	1	2	3	4	Pointed Top Difference	Ornate Difference	Pointed Component
1	ofor variants	8	7	0.18456	0.22684	0.21859	-0.03012	-0.03836	0.26520	0.24870	0.01650
2	ofal variants	9	7	0.15678	0.19906	0.19081	-0.03012	-0.03836	0.23743	0.22093	0.01650
3	[yo][fptk]e4om	12	4	0.18456	0.14350	0.13526	-0.03012	-0.03836	0.18187	0.16537	0.01650
4	ydai0-4l	12	10	0.10123	0.14350	0.13526	-0.03012	-0.03836	0.18187	0.16537	0.01650
5	opod variants	6	6	0.10123	0.14350	0.13526	-0.03012	-0.03836	0.18187	0.16537	0.01650
6	opol variants	25	15	0.17456	0.17684	0.16859	0.00988	0.00164	0.17520	0.15870	0.01650
7	yd[ao]i0-4l	13	11	0.08841	0.13068	0.12244	-0.03012	-0.03836	0.16905	0.15255	0.01650
8	[yo]fo	28	26	0.18456	0.15541	0.14716	0.00560	-0.00265	0.15806	0.14156	0.01650
9	[dlrsmg] + ai4m	14	3	0.07742	0.11970	0.11145	-0.03012	-0.03836	0.15806	0.14156	0.01650
10	ofas variants	7	4	0.07742	0.11970	0.11145	-0.03012	-0.03836	0.15806	0.14156	0.01650
11	[fptk | dlrsmg] + c | c[s | fptk] + e4om	48	12	0.14289	0.14350	0.13526	0.01155	0.00330	0.14020	0.12370	0.01650
12	[yo]fc + e4ol	8	5	0.05956	0.10184	0.09359	-0.03012	-0.03836	0.14020	0.12370	0.01650
13	ofai0-4n	9	5	0.04567	0.08795	0.07970	-0.03012	-0.03836	0.12631	0.10982	0.01649
14	[yo]fai0-4n	11	7	0.02547	0.06775	0.05950	-0.03012	-0.03836	0.10611	0.08961	0.01650
15	dai4m	111	3	0.05168	0.07594	0.06769	-0.02111	-0.02936	0.10529	0.08879	0.01650
16	olf	24	20	0.01789	0.06017	0.05192	-0.03012	-0.03836	0.09854	0.08204	0.01650
17	eko	38	28	0.09245	0.08210	0.07385	-0.00380	-0.01205	0.09415	0.07765	0.01650
18	[yo]e4[fp]	26	25	0.16533	0.13068	0.12244	0.04681	0.03856	0.09213	0.07563	0.01650
19	okos variants	13	5	0.01148	0.05376	0.04551	-0.03012	-0.03836	0.09213	0.07563	0.01650
20	opal variants	42	25	0.00599	0.04827	0.04002	-0.03012	-0.03836	0.08663	0.07013	0.01650
21	[yo]fa	56	38	0.04170	0.06612	0.05787	-0.01226	-0.02051	0.08663	0.07013	0.01650
22	okas variants	14	9	0.00599	0.04827	0.04002	-0.03012	-0.03836	0.08663	0.07013	0.01650
23	cfeo-initial	15	9	0.13456	0.11017	0.10192	0.03655	0.02830	0.08187	0.06537	0.01650
24	otos variants	16	10	0.12206	0.10184	0.15609	-0.03012	0.02414	0.07770	0.18620	-0.10850
25	odcey relatives	32	28	-0.00294	0.03934	0.03109	-0.03012	-0.03836	0.07770	0.06120	0.01650
26	[yo]pc + e4or	16	6	0.12206	0.10184	0.09359	0.03238	0.02414	0.07770	0.06120	0.01650
27	e[tk]o	64	48	0.04394	0.05496	0.04671	-0.01449	-0.02274	0.07770	0.06120	0.01650
28	[dlrsmg]ai4m	131	6	0.04906	0.06081	0.06783	-0.02248	-0.01546	0.07627	0.09031	-0.01404
29	o[tk][ao]s	66	37	0.02547	0.05260	0.05950	-0.03012	-0.02321	0.07581	0.08961	-0.01380
30	o[fptk][ao]s	75	43	0.01456	0.04350	0.04859	-0.03012	-0.02503	0.06854	0.07870	-0.01016
31	ydai0-4[lr]	20	17	0.13456	0.07684	0.06859	0.01988	0.01164	0.06520	0.04870	0.01650
32	otas variants	22	12	-0.01999	0.02229	0.01404	-0.03012	-0.03836	0.06066	0.04416	0.01650
33	yd[ao]i0-4[lr]	22	19	0.11638	0.06775	0.05950	0.01534	0.00709	0.06066	0.04416	0.01650
34	ety	96	33	-0.02377	0.01850	0.01026	-0.03012	-0.03836	0.05687	0.04037	0.01650
35	om	195	93	0.05251	0.05376	0.05064	0.00065	-0.00247	0.05623	0.04999	0.00624
36	eto	26	20	-0.02698	0.01530	0.00705	-0.03012	-0.03836	0.05366	0.03717	0.01649
37	om + o[fptk | dlrsmg]am	525	172	0.02789	0.03779	0.03145	-0.00726	-0.01360	0.05139	0.03870	0.01269
38	[yo]e4 | c + [fp]	84	73	0.06551	0.06017	0.05192	0.01750	0.00925	0.05092	0.03442	0.01650
39	oce4y	58	33	0.00353	0.02856	0.02031	-0.01287	-0.02112	0.04969	0.03319	0.01650
40	ai0-4[dlrsmg][dlrsmg]	303	209	0.05007	0.04284	0.04120	-0.00371	-0.00536	0.04821	0.04491	0.00330
41	[dlrsmg] + ai4[lr] + y-suffix	928	19	0.01538	0.03072	0.02893	-0.01287	-0.01466	0.04538	0.04181	0.00357
42	[dlrsmg] + ai4[lr]	173	7	0.00392	0.02308	0.02061	-0.01855	-0.02102	0.04410	0.03917	0.00493
43	[dlrsmg]ai4[lr]	777	12	0.01435	0.02961	0.02779	-0.01210	-0.01391	0.04352	0.03989	0.00363
44	**oy**	**148**	**92**	**0.08997**	**0.06468**	**0.07670**	**0.01042**	**0.02245**	**0.04223**	**0.06627**	**-0.02404**
45	eka	186	76	-0.03856	0.00372	-0.00453	-0.03012	-0.03836	0.04208	0.02559	0.01649
46	[dlrsmg | fptk] + ai4[dlrsmg]	1287	53	0.00760	0.02501	0.02298	-0.01458	-0.01661	0.04162	0.03755	0.00407
47	yc + e4o	38	9	0.06614	0.05579	0.04754	0.02252	0.01427	0.04152	0.02502	0.01650
48	o[fptk]d	38	31	-0.01281	0.00315	-0.00510	-0.03012	-0.03836	0.04152	0.02502	0.01650
49	[yo]c + e4ody	47	33	0.01967	0.01939	0.01114	-0.00884	-0.01709	0.03648	0.01998	0.01650
50	yodai0-4l	141	77	0.00548	0.01939	0.01114	-0.00884	-0.01709	0.03648	0.01998	0.01650
51	[yo][fp]a	193	110	-0.00326	0.01829	0.01522	-0.01457	-0.01764	0.03593	0.02979	0.00614
52	**edo**	**97**	**69**	**-0.00358**	**0.01808**	**0.00983**	**-0.00950**	**-0.01775**	**0.03582**	**0.01932**	**0.01650**
53	sai4n	214	4	-0.00469	0.01422	0.01064	-0.01610	-0.01967	0.03389	0.02674	0.00715
54	o[fptk | dlrsmg][ao]m	282	107	-0.00870	0.00875	0.00050	-0.01593	-0.02418	0.03293	0.01643	0.01650
55	ydai0-4[lrm | n]	60	31	0.03456	0.02684	0.03526	-0.01345	-0.00503	0.03187	0.04870	-0.01683
56	[yo]tc + e4ol	62	14	-0.03318	0.00910	0.00085	-0.01399	-0.02224	0.03133	0.01483	0.01650
57	yd[ao]i0-4[lrm | n]	64	35	0.02831	0.02371	0.03109	-0.01449	-0.00711	0.03083	0.04558	-0.01475
58	[fptk | dlrsmg] + c | c[s | fptk] + e4os	143	29	0.06743	0.04677	0.07348	-0.00914	0.01758	0.02919	0.08262	-0.05343
59	[yo]e0-4[fp]e0-4[yo]	167	122	0.11420	0.06666	0.09434	0.01180	0.03948	0.02718	0.08254	-0.05536
60	[yo][fp][yoa]	347	219	0.04407	0.03448	0.04640	-0.00418	0.00774	0.02673	0.05058	-0.02385
61	oce4y + s infixes	90	52	-0.00988	0.01017	0.00192	-0.00789	-0.01614	0.02631	0.00982	0.01649
62	yodai0-4[lr]	324	167	-0.00988	0.00770	0.00254	-0.01160	-0.01676	0.02446	0.01414	0.01032
63	[yo]ce4y	110	45	-0.00180	0.01320	0.02313	-0.02102	-0.01109	0.02429	0.04416	-0.01987
64	[yo][fp]o	112	85	0.14885	0.08398	0.12930	0.01453	0.05985	0.02413	0.11478	-0.09065
65	**okar variants**	**474**	**64**	**-0.02114**	**0.00215**	**-0.00188**	**-0.01746**	**-0.02149**	**0.02364**	**0.01558**	**0.00806**
66	[dlrsmg | fptk] + ai4[dlrsmg | n]	2906	77	0.01027	0.01951	0.01642	-0.00087	-0.00395	0.02346	0.01729	0.00617
67	odai0-4l	129	67	-0.00342	0.00785	-0.00040	-0.00686	-0.01511	0.02296	0.00646	0.01650
68	Single-Letter Words	789	32	-0.01221	0.00979	0.00534	-0.00857	-0.01302	0.02281	0.01391	0.00890
69	[yo][fptk]c + e0-4ol	149	41	0.00167	0.01711	0.00886	0.00344	-0.00481	0.02191	0.00542	0.01649
70	odai0-4[lr]	304	150	-0.01939	0.00315	-0.00181	-0.01367	-0.01863	0.02178	0.01186	0.00992
71	[yo]d[ao]i0-4l	163	93	0.02045	0.01978	0.01153	0.00669	-0.00156	0.02134	0.00484	0.01650
72	oa	310	161	0.01198	0.01555	0.01698	-0.00431	-0.00288	0.01843	0.02129	-0.00286
73	yc[s | fptk]e4y	35	13	-0.00830	0.00541	-0.00284	-0.00154	-0.00979	0.01520	-0.00130	0.01650
74	orcey relatives	49	38	0.03660	0.01765	0.00941	0.01070	0.00245	0.01520	-0.00130	0.01650
75	[yo]fai0-4[rn]	38	25	-0.01281	0.00315	-0.00510	-0.00380	-0.01205	0.01520	-0.00130	0.01650
76	[yo]d[ao]i0-4m	38	29	-0.01281	0.00315	-0.00510	-0.00380	-0.01205	0.01520	-0.00130	0.01650
77	od[ao]i0-4m	34	25	-0.00662	0.00625	-0.00200	-0.00070	-0.00895	0.01520	-0.00130	0.01650
78	yd[ao]i0-4n	38	12	-0.01281	0.00315	0.02122	-0.03012	-0.01205	0.01520	0.05134	-0.03614
79	ydai0-4n	38	12	-0.01281	0.00315	0.02122	-0.03012	-0.01205	0.01520	0.05134	-0.03614
80	yc[fptk]e4y	5	4	0.33456	0.17684	0.16859	0.16988	0.16164	0.01520	-0.00130	0.01650
81	odai0-4m	33	24	-0.00483	0.00714	-0.00111	0.00019	-0.00806	0.01520	-0.00130	0.01650
82	[yo]ce4y + s infixes	172	73	-0.01893	0.00009	0.00347	-0.01849	-0.01511	0.01520	0.02196	-0.00676
83	ek[yo]	252	75	0.00202	0.00858	0.00827	-0.00631	-0.00662	0.01520	0.01458	0.00062
84	yodai0-4m	35	26	-0.00830	0.00541	-0.00284	-0.00154	-0.00979	0.01520	-0.00130	0.01650
85	oe0-4[fp]oe0-4[lr]	66	41	0.16183	0.08290	0.10495	0.04564	0.06770	0.01520	0.05931	-0.04411
86	cpe4y	24	4	0.01789	0.01850	0.01026	0.01155	0.00330	0.01520	-0.00130	0.01650
87	[yo]kc + e4ol	53	14	0.01003	0.01457	0.00632	0.00762	-0.00063	0.01520	-0.00130	0.01650
88	[yo]kc + e4ody	24	10	0.01789	0.01850	0.05192	-0.03012	0.00330	0.01520	0.08204	-0.06684
89	[yo]c[fp]	59	49	0.03626	0.02769	0.01944	0.02073	0.01248	0.01520	-0.00130	0.01650
90	[yo]te4os	57	15	0.00474	0.01193	0.03876	-0.03012	-0.00328	0.01520	0.06888	-0.05368
91	o + c | cs + e4o	23	19	0.10847	0.06379	0.05555	0.05684	0.04859	0.01520	-0.00130	0.01650
92	or + c | cs + e4o[lr]	11	10	0.29820	0.15866	0.24132	0.06079	0.14345	0.01520	0.18052	-0.16532
93	ol + c | cs + e4ody	8	7	0.30956	0.10184	0.09359	0.09488	0.08664	0.01520	-0.00130	0.01650
94	od[fptk | dlrsmg] minus odl	27	26	0.00863	0.01388	0.00563	0.00692	-0.00133	0.01520	-0.00130	0.01650
95	ai4n	605	4	-0.00098	0.00494	0.00330	-0.00698	-0.00861	0.01355	0.01027	0.00328
96	[yo]d[ao]i0-4[lr]	370	198	0.01024	0.01197	0.00643	0.00502	-0.00053	0.01250	0.00141	0.01109

97	yodai0-4[lrm | n]	803	322	0.00056	0.00673	0.00595	-0.00272	-0.00350	0.01022	0.00867	0.00155
98	od[ao]i0-4r	198	97	-0.00483	0.00714	0.00394	0.00019	-0.00301	0.01015	0.00375	0.00640
99	od[ao]i0-4[lr]	348	179	0.00353	0.00845	0.00307	0.00437	-0.00101	0.00946	-0.00130	0.01076
100	[dlrsmg | fptk] + ai4n	1619	24	0.01239	0.01513	0.01121	0.01003	0.00611	0.00903	0.00118	0.00785
101	od[ao]i0-4l	150	82	0.01456	0.01017	0.00192	0.00988	0.00164	0.00854	-0.00796	0.01650
102	odai0-4[lrm | n]	743	291	-0.00218	0.00510	0.00358	-0.00185	-0.00337	0.00847	0.00543	0.00304
103	oy + oe4y	240	143	0.09706	0.04767	0.06442	0.02405	0.04080	0.00687	0.04037	-0.03350
104	oda	834	352	0.00770	0.00801	0.00936	-0.00014	0.00120	0.00681	0.00950	-0.00269
105	otor variants	113	28	0.01421	0.00339	-0.00486	0.00528	-0.00297	0.00635	-0.01015	0.01650
106	[yo]d[ao]i0-4[lrm | n]	854	358	0.00950	0.00845	0.00723	0.00384	0.00262	0.00584	0.00339	0.00245
107	[yo]d[ao]i0-4r	207	105	0.00219	0.00582	0.00241	0.00370	0.00028	0.00554	-0.00130	0.00684
108	**aro[dlrsmg]**	**102**	**58**	**0.01299**	**0.00625**	**0.00780**	**-0.00070**	**0.00085**	**0.00540**	**0.00851**	**-0.00311**
109	dai4n	1099	4	0.03283	0.02415	0.02045	0.02357	0.01987	0.00428	-0.00312	0.00740
110	od[ao]i0-4[lrm | n]	790	323	0.00798	0.00722	0.00530	0.00533	0.00341	0.00381	-0.00003	0.00384
111	ko	172	78	0.08572	0.04079	0.05580	0.02221	0.03722	0.00358	0.03359	-0.03001
112	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	422	41	0.06963	0.02897	0.03731	0.01728	0.02562	0.00335	0.02003	-0.01668
113	ce4o	151	4	0.04714	0.02320	0.04144	0.00300	0.02124	0.00196	0.03844	-0.03648
114	ce4y	671	4	-0.00136	0.00515	0.01181	-0.00329	0.00336	0.00179	0.01510	-0.01331
115	[yo][fptk]e4o	74	10	0.02915	0.01738	0.04967	-0.01660	0.01569	0.00169	0.06627	-0.06458
116	e-initial	146	104	0.03045	0.01793	0.01653	0.01783	0.01643	0.00150	-0.00130	0.00280

Table 24.18: Leading Word Categories in Version #29, Ordered by Participation in the Flat Top Canister Subsection of the Pharmacopeia

#	Category	Word Count	Distinct Word Count	Section Affinity Score 4	1	2	3	4	Pointed Top Difference	Ornate Difference
1	[yo]fc + e4ody	2	2	-0.06544	-0.02316	-0.03141	0.46988	0.46164	-0.48480	-0.50130
2	opas variants	4	4	0.18456	-0.02316	-0.03141	0.21988	0.21164	-0.23480	-0.25130
3	[yo]ke4ol	214	37	0.31774	0.05628	0.08074	0.24091	0.26537	-0.20910	-0.16017
4	cfe4y	9	3	0.04567	-0.02316	-0.03141	0.19211	0.18386	-0.20702	-0.22352
5	ofol variants	9	8	0.26789	-0.02316	-0.03141	0.19211	0.18386	-0.20702	-0.22352
6	ol + c | cs + e4o[lr]	37	21	0.20483	0.00387	0.02264	0.18610	0.20488	-0.20101	-0.16346
7	[yo]ke4o[lr]	306	57	0.29404	0.04547	0.09931	0.19211	0.24595	-0.20048	-0.09280
8	[yo][fptk]e4ol	310	62	0.25392	0.03490	0.05569	0.19569	0.21647	-0.18157	-0.14001
9	[yo]ke4or	92	20	0.23891	0.02032	0.14250	0.07858	0.20077	-0.18045	0.06392
10	[yo][fptk]e4o[lr]	430	91	0.24154	0.03265	0.07557	0.16058	0.20350	-0.17084	-0.08502
11	opor variants	24	11	0.10123	-0.02316	0.05192	0.05322	0.12830	-0.15146	-0.00130
12	[yo][fptk]e4or	120	29	0.20956	0.02684	0.12692	0.06988	0.16997	-0.14313	0.05704
13	**ckeo-initial**	**77**	**26**	**0.14235**	**0.00281**	**0.00755**	**0.13872**	**0.14345**	**-0.14064**	**-0.13117**
14	[yo]ke4o[dlrsmg]	565	127	0.21775	0.03525	0.07655	0.12918	0.17048	-0.13524	-0.05262
15	**ols**	**92**	**56**	**0.16282**	**0.02032**	**0.03381**	**0.13293**	**0.14642**	**-0.12610**	**-0.09912**
16	cke4y	87	5	0.16445	0.02282	0.08353	0.08483	0.14554	-0.12273	-0.00130
17	[yo]te4ol	96	25	0.11164	-0.01275	-0.00016	0.09488	0.10747	-0.12021	-0.09505
18	o + c | cs + e4ol	47	32	0.10477	-0.02316	-0.03141	0.09754	0.08929	-0.11246	-0.12896
19	[yo]pc + e4o	8	7	0.05956	-0.02316	-0.03141	0.09488	0.08664	-0.10980	-0.12630
20	ydai0-4r	8	7	0.18456	-0.02316	-0.03141	0.09488	0.08664	-0.10980	-0.12630
21	[yo][fptk]e4o[dlrsmg]	895	219	0.15579	0.01930	0.05015	0.09279	0.12365	-0.10435	-0.04264
22	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	26	6	0.04994	-0.02316	-0.03141	0.08527	0.07702	-0.10018	-0.11668
23	o + c | cs + e4o[lr]	87	65	0.07249	-0.02316	-0.00842	0.06184	0.07658	-0.09974	-0.07026
24	[yo]te4o[lr]	124	34	0.11198	0.00103	0.01698	0.08279	0.09873	-0.09770	-0.06581
25	t[yo]lc	9	9	0.04567	-0.02316	-0.03141	0.08100	0.07275	-0.09591	-0.11241
26	yd[ao]i0-4r	9	8	0.15678	-0.02316	-0.03141	0.08100	0.07275	-0.09591	-0.11241
27	or[lrsmg]	9	9	-0.06544	-0.02316	-0.03141	0.08100	0.07275	-0.09591	-0.11241
28	o + c | cs + e4or	40	33	0.03456	-0.02316	0.01859	0.01988	0.06164	-0.08480	-0.00130
29	[dlrsmg] + c | c[s | fptk] + e4o	41	14	0.03212	0.00123	0.01737	0.06745	0.08359	-0.08236	-0.05008
30	do	371	107	0.12054	0.02266	0.03597	0.09118	0.10449	-0.08183	-0.05520
31	yc + e4or	32	6	0.09081	0.00809	0.03109	0.06363	0.08664	-0.07855	-0.03255
32	okom variants	11	4	0.02547	-0.02316	-0.03141	0.06079	0.05254	-0.07571	-0.09220
33	[yo]doi0-4l	22	16	0.11638	0.02229	0.01404	0.10625	0.09800	-0.07571	-0.09220
34	okad variants	11	9	0.02547	-0.02316	0.05950	-0.03012	0.05254	-0.07571	0.08961
35	[yo]ke4os	46	14	0.06499	-0.00142	0.05555	0.01336	0.07033	-0.07175	0.04218
36	[yo]doi0-4[lr]	46	31	0.15195	0.04206	0.03381	0.12206	0.11381	-0.07175	-0.08825
37	[yo]ke4o	81	14	0.11975	0.01388	0.04266	0.05630	0.08509	-0.07122	-0.01364
38	[yo]ke4od	201	52	0.13854	0.02161	0.04322	0.06939	0.09099	-0.06937	-0.02617
39	yc + e4o[lr]	71	18	0.07541	0.00501	0.02493	0.05439	0.07431	-0.06930	-0.02946
40	[yo]doi0-4[ln]	24	18	0.14289	0.01850	0.01026	0.09488	0.08664	-0.06813	-0.08463
41	[yo]doi0-4r	24	15	0.18456	0.06017	0.05192	0.13655	0.12830	-0.06813	-0.08463
42	os[dlrsmg]	12	12	0.10123	-0.02316	-0.03141	0.05322	0.04497	-0.06813	-0.08463
43	ol + c | cs + e4o	12	8	0.01789	-0.02316	-0.03141	0.05322	0.04497	-0.06813	-0.08463
44	oc[fptk]e4y	279	94	0.15320	0.03419	0.05461	0.08100	0.10142	-0.06723	-0.02639
45	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	37	16	0.06970	0.00387	-0.00438	0.07799	0.06974	-0.06588	-0.08238
46	[yo]c[fptk]e4y	284	98	0.15639	0.03670	0.05662	0.08256	0.10248	-0.06578	-0.02594
47	so	364	138	0.06093	-0.00393	0.00156	0.05505	0.06054	-0.06447	-0.05349
48	oo	88	70	0.10501	0.02229	0.04813	0.06079	0.08664	-0.06434	-0.01266
49	c[fptk]e4y	291	13	0.07202	0.00777	0.02701	0.05236	0.07160	-0.06383	-0.02535
50	[yo]doi0-4[lrm | n]	51	36	0.15025	0.03566	0.02741	0.10714	0.09889	-0.06323	-0.07973
51	oc[s | fptk]e4y	311	113	0.13392	0.02829	0.04576	0.07278	0.09025	-0.06197	-0.02702
52	yc + e4ol	39	12	0.06277	0.00248	0.01987	0.04681	0.06420	-0.06172	-0.02694
53	**cpeo-initial**	**65**	**32**	**0.08841**	**0.00761**	**-0.00064**	**0.07758**	**0.06933**	**-0.06172**	**-0.07822**
54	yd[ao]i0-4[rm]	13	12	0.08841	-0.02316	-0.03141	0.04681	0.03856	-0.06172	-0.07822
55	ord	13	11	0.01148	-0.02316	-0.03141	0.04681	0.03856	-0.06172	-0.07822
56	[yo][fptk]e4od + y	275	47	0.09820	0.00593	0.02677	0.04625	0.06709	-0.06116	-0.01948
57	cse4o	184	3	0.02152	-0.01773	-0.00424	0.02967	0.04316	-0.06088	-0.03390
58	oe4y	93	52	0.11736	0.01985	0.05461	0.04515	0.07991	-0.06007	0.00946
59	ke4o	134	38	0.09128	0.01415	0.03575	0.05197	0.07358	-0.05942	-0.01622
60	**oly**	**205**	**77**	**0.04188**	**-0.00853**	**-0.01190**	**0.05281**	**0.04944**	**-0.05797**	**-0.06471**
61	**ola**	**221**	**94**	**0.05221**	**-0.00506**	**-0.01331**	**0.06038**	**0.05213**	**-0.05719**	**-0.07369**
62	**o[lr]a**	**458**	**207**	**0.08958**	**0.01177**	**0.01444**	**0.06595**	**0.06862**	**-0.05685**	**-0.05151**
63	**ora**	**237**	**113**	**0.12443**	**0.02747**	**0.04032**	**0.07115**	**0.08400**	**-0.05653**	**-0.03083**
64	[yo][fptk]e4od	349	94	0.08642	0.00263	0.01730	0.04438	0.05906	-0.05643	-0.02708
65	c | cs + e0-4r	14	3	-0.06544	-0.02316	-0.03141	0.04131	0.03306	-0.05623	-0.07272
66	[fptk]ai4m	14	4	0.00599	-0.02316	-0.03141	0.04131	0.03306	-0.05623	-0.07272
67	ol[ds]	323	176	0.15128	0.04805	0.05218	0.09992	0.10405	-0.05600	-0.04774
68	**ol[yo]**	**408**	**199**	**0.02280**	**-0.01581**	**-0.02161**	**0.04586**	**0.04007**	**-0.05588**	**-0.06747**
69	[yo]c[s | fptk]e4y	346	126	0.11953	0.02597	0.04084	0.06526	0.08013	-0.05416	-0.02442
70	c[fptk]e4o	29	7	0.03801	0.01132	0.00307	0.07333	0.06508	-0.05376	-0.07026
71	**ol[oa]**	**423**	**215**	**0.02676**	**-0.01371**	**-0.02195**	**0.04790**	**0.03965**	**-0.05335**	**-0.06985**
72	**olo**	**205**	**124**	**0.00285**	**-0.02316**	**-0.03141**	**0.03818**	**0.02993**	**-0.05309**	**-0.06959**
73	[tk]e4o	207	71	0.06499	0.00582	0.02173	0.04235	0.05825	-0.05243	-0.02062
74	[yo]te4o[dlrsmg]	330	92	0.04971	-0.00801	0.00495	0.03049	0.04345	-0.05146	-0.02554
75	[dlrsmg | fptk] + oi4[dlrsmg | n]	746	52	0.05386	0.00365	0.01819	0.03825	0.05279	-0.04914	-0.02006
76	**o[lr][oa]**	**765**	**394**	**0.05744**	**0.00167**	**0.00258**	**0.04962**	**0.05052**	**-0.04885**	**-0.04705**
77	[fptk] + c | c[s | fptk] + e4o	47	10	-0.04416	-0.02316	-0.03141	0.03371	0.02546	-0.04863	-0.06513

78	**o[lr][yoa]**	**1056**	**510**	**0.05672**	**0.00241**	**0.00457**	**0.04754**	**0.04970**	**-0.04730**	**-0.04296**
79	**oi4n**	**49**	**4**	**0.07742**	**0.01765**	**0.05022**	**0.03111**	**0.06368**	**-0.04602**	**0.01911**
80	or[fptk | dlrsmg]	33	31	-0.03514	-0.02316	-0.03141	0.03049	0.02224	-0.04540	-0.06190
81	**or[oa]**	**349**	**186**	**0.09502**	**0.01982**	**0.03163**	**0.05298**	**0.06479**	**-0.04497**	**-0.02135**
82	oce4y + infixed versions	369	146	0.11342	0.02833	0.04176	0.05932	0.07275	-0.04442	-0.01756
83	odo	68	52	0.09632	0.02096	0.01271	0.07283	0.06458	-0.04362	-0.06012
84	c | cs + e0-4s	51	6	-0.00662	-0.02316	-0.03141	0.02871	0.02046	-0.04362	-0.06012
85	[yo][dlrsmg] + c | cs + e4o	17	13	-0.00662	-0.02316	-0.03141	0.02871	0.02046	-0.04362	-0.06012
86	**o[lr][yo]**	**607**	**312**	**0.03341**	**-0.00504**	**-0.00340**	**0.03578**	**0.03742**	**-0.04246**	**-0.03919**
87	[fptk][yo]lc	70	54	0.02027	-0.00888	-0.00284	0.02703	0.03306	-0.04194	-0.02987
88	**o[lr]y**	**302**	**125**	**0.05708**	**0.00664**	**0.01164**	**0.04273**	**0.04773**	**-0.04109**	**-0.03110**
89	ce0-4s	89	5	0.03568	-0.01193	-0.02018	0.03730	0.02905	-0.04098	-0.05748
90	dody	18	12	-0.00988	-0.02316	-0.03141	0.02544	0.01719	-0.04035	-0.05685
91	[fptk | dlrsmg] + c | c[s | fptk] + e4o	452	38	0.02527	-0.00104	0.01062	0.02741	0.03907	-0.04011	-0.01678
92	te4o	73	33	0.01675	-0.00946	-0.00401	0.02468	0.03013	-0.03959	-0.02869
93	[yo]te4od	148	42	0.01564	-0.02316	-0.01790	0.01042	0.01569	-0.03885	-0.02832
94	**o[lr]o**	**315**	**195**	**0.01075**	**-0.01364**	**-0.01554**	**0.02703**	**0.02513**	**-0.03877**	**-0.04257**
95	[yo]e0-4do + e4|i4 + [drn] & cedody	38	29	0.11877	0.02947	0.02122	0.07515	0.06690	-0.03743	-0.05393
96	okor variants	115	28	0.10847	0.03771	0.04685	0.06554	0.07468	-0.03697	-0.01869
97	c[s | fptk]e4y	831	17	0.02963	-0.00150	0.00950	0.02404	0.03504	-0.03654	-0.01453
98	[yo]ce4y + infixed versions	456	171	0.09026	0.02289	0.03657	0.04445	0.05813	-0.03524	-0.00787
99	cte4y	179	4	0.02953	-0.00082	0.00211	0.03134	0.03426	-0.03508	-0.02923
100	olp	20	16	-0.01544	-0.02316	-0.03141	0.01988	0.01164	-0.03480	-0.05130
101	[yo]tc + e4o	41	14	-0.04105	-0.02316	-0.03141	0.01866	0.01042	-0.03358	-0.05008
102	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1162	45	0.06623	0.02073	0.02453	0.04906	0.05286	-0.03213	-0.02453
103	c[fptk]e4o-initial & c[fptk]e4y Superclass	1638	369	0.03896	0.00492	0.00766	0.03277	0.03551	-0.03058	-0.02511
104	okol variants	284	62	0.18104	0.07191	0.06718	0.10721	0.10248	-0.03057	-0.04003
105	[yo][fptk | dlrsmg] + c | cs + e4o	111	50	-0.02940	-0.02316	-0.03141	0.01493	0.00668	-0.02984	-0.04634
106	**old**	**231**	**120**	**0.14668**	**0.05909**	**0.05950**	**0.08677**	**0.08718**	**-0.02809**	**-0.02727**
107	c | c[fptk] + e4o	212	10	0.06664	0.01457	0.02991	0.02649	0.04182	-0.02725	0.00342
108	oke0-4y	1282	139	0.02738	-0.00054	0.00837	0.01747	0.02638	-0.02692	-0.00910
109	[yo][fptk]c + e0-4o	95	38	-0.03386	-0.02316	-0.03141	0.01199	0.00374	-0.02690	-0.04340
110	od endings	243	134	0.02510	-0.00259	0.00151	0.01927	0.02336	-0.02595	-0.01776
111	[q | fptk | dlrsmg] + oi0-4[lr]	1697	26	0.02001	-0.00077	0.00512	0.01879	0.02469	-0.02546	-0.01367
112	[yo]c + e4o Superclass	333	206	0.05468	0.01287	0.01964	0.02994	0.03671	-0.02384	-0.01030
113	[yo][fptk]e4os	103	29	0.03165	0.00596	0.04626	-0.01070	0.02960	-0.02363	0.05696
114	et-initial	26	19	-0.02698	-0.02316	-0.03141	0.00835	0.00010	-0.02326	-0.03976
115	opai0-4n	26	8	-0.02698	-0.02316	0.00705	-0.03012	0.00010	-0.02326	0.03717
116	ofar variants	27	18	-0.02840	-0.02316	-0.03141	0.00692	-0.00133	-0.02183	-0.03833
117	cse4y	540	4	0.00678	-0.00650	0.00007	0.00877	0.01534	-0.02183	-0.00870
118	[yo]po	84	59	0.13694	0.06017	0.12335	0.01750	0.08068	-0.02051	0.10585
119	[yo]te4or	28	9	0.11313	0.04827	0.07573	0.04131	0.06878	-0.02051	0.03442
120	**oro**	**114**	**75**	**0.03105**	**0.00315**	**0.01245**	**0.01374**	**0.02304**	**-0.01988**	**-0.00130**
121	c + c[s | fptk]e4y	1502	21	0.01579	0.00147	0.01053	0.01183	0.02089	-0.01942	-0.00130
122	[yo]tc + e4or	58	12	-0.04820	-0.02316	-0.03141	0.00437	-0.00388	-0.01928	-0.03578
123	[yo]pc + e4ol	29	11	0.03801	0.01132	0.00307	0.03885	0.03060	-0.01928	-0.03578
124	**or[yo]**	**206**	**118**	**0.05592**	**0.01567**	**0.03170**	**0.01843**	**0.03445**	**-0.01878**	**0.01327**
125	oi4[dlrsmg | n]	1020	12	0.01789	0.00233	0.01173	0.01008	0.01948	-0.01715	0.00165
126	[yo]py	31	14	-0.00092	-0.02316	-0.03141	0.00214	-0.00611	-0.01705	-0.03355
127	[yo]dy endings	1219	315	0.05597	0.01293	0.02355	0.01911	0.02972	-0.01679	0.00445
128	ocse4y	32	19	-0.03419	-0.02316	-0.03141	0.00113	-0.00711	-0.01605	-0.03255
129	ope0-4y	32	15	-0.00294	-0.02316	-0.03141	0.00113	-0.00711	-0.01605	-0.03255
130	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2116	147	0.06027	0.02362	0.03003	0.03321	0.03961	-0.01599	-0.00319
131	[fptk | dlrsmg] + c | c[s | fptk] + e4od	65	21	-0.00390	-0.00778	-0.01603	0.01604	0.00779	-0.01557	-0.03206
132	okod variants	65	22	0.04225	0.00761	0.01474	0.01604	0.02317	-0.01557	-0.00130
133	oe	623	451	0.08544	0.03302	0.05206	0.02927	0.04831	-0.01529	0.02278
134	o[tk]e4s	99	46	-0.03514	-0.02316	-0.03141	0.00019	-0.00806	-0.01510	-0.03160
135	oi	299	124	0.07503	0.03035	0.05555	0.02005	0.04525	-0.01490	0.03549
136	otol variants	235	53	0.03669	0.01088	0.00689	0.02946	0.02546	-0.01458	-0.02257
137	od endings + odcey relatives	275	162	0.02183	0.00229	0.00495	0.01352	0.01618	-0.01389	-0.00857
138	[fptk | dlrsmg] + c | c[s | fptk] + e4y	1890	69	0.00176	-0.00306	0.00245	0.00481	0.01031	-0.01337	-0.00235
139	oe sans oy + oe4y, oe0-4s	439	333	0.08946	0.03834	0.05743	0.03139	0.05047	-0.01213	0.02604
140	o[tk]e0-4y	1989	242	0.00294	-0.00456	-0.00125	0.00407	0.00739	-0.01195	-0.00532
141	[yo]cp	37	29	0.06970	0.03089	0.02264	0.05097	0.04272	-0.01182	-0.02832
142	oe0-4s	646	322	0.05066	0.02018	0.04444	0.00549	0.02975	-0.00956	0.03895
143	[fptk | dlrsmg] + c | c[s | fptk] + e4or	694	37	0.04983	0.01863	0.02767	0.01888	0.02792	-0.00929	0.00879
144	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	488	65	0.06776	0.02397	0.03006	0.02521	0.03131	-0.00734	0.00485
145	sc-initial	92	56	-0.02196	-0.01229	-0.02054	0.00249	-0.00576	-0.00654	-0.02303
146	**ory**	**97**	**48**	**0.08920**	**0.03869**	**0.06137**	**0.02143**	**0.04411**	**-0.00542**	**0.03994**
147	yce4y	52	12	-0.00775	-0.00393	0.02628	-0.03012	0.00010	-0.00403	0.05640
148	cteo-initial	222	46	0.02465	0.01738	0.01363	0.02394	0.02019	-0.00281	-0.01030
149	[dlrsmg]e0-4y	335	11	0.00322	0.00072	0.00142	0.00272	0.00343	-0.00271	-0.00130
150	ol[dtk]	840	367	0.00837	0.00422	0.00073	0.01036	0.00687	-0.00265	-0.00963
151	odai0-4n	406	117	0.01091	0.00639	0.00800	0.00683	0.00843	-0.00204	0.00117
152	od[ao]i0-4n	408	119	0.01299	0.00625	0.00780	0.00665	0.00820	-0.00195	0.00116
153	yodai0-4n	444	129	0.00888	0.00612	0.00913	0.00367	0.00668	-0.00056	0.00546
154	[yo]d[ao]i0-4n	446	131	0.01079	0.00599	0.00895	0.00352	0.00648	-0.00049	0.00543

Table 24.19: Sectional Affinities of the c | c[s | fptk | b]e$^{1-4}$ai$^{0-4}$[dlrsmg | n] Family Word Categories

Category	Word Count	Distinct Word Count	Herbal Section Word Count	Section Affinity Scores 0	1	2	3	4	5	6
ce4a	1009	350	434	0.01023	0.13592	0.01582	-0.10202	-0.04221	0.02244	-0.04019
ceal variants	269	88	59	0.00181	-0.07488	0.09293	-0.03484	-0.04939	0.10777	-0.04340
ceal verbs	230	57	40	0.00307	-0.12029	0.09155	-0.01769	-0.05059	0.13855	-0.04460
ceal nouns	38	30	18	-0.00563	0.17948	0.10643	-0.13463	-0.04166	-0.06832	-0.03568
cear variants	365	101	138	0.01903	0.08388	0.01371	-0.09685	-0.02688	0.03348	-0.02637
cear verbs	303	62	110	0.02408	0.06883	0.01141	-0.08495	-0.03167	0.04129	-0.02899
cear nouns	62	39	28	-0.00563	0.15741	0.02493	-0.15500	-0.00346	-0.00465	-0.01360
ceas variants	9	7	5	-0.00563	0.26135	0.00701	-0.18726	0.04313	-0.05662	-0.06199
ce4ai4n	271	103	191	0.01282	0.41059	-0.07827	-0.16881	-0.06429	-0.05744	-0.05461
cean variants	255	89	186	0.01398	0.43520	-0.08057	-0.16765	-0.06406	-0.08277	-0.05415
cean verbs	213	57	154	0.01785	0.42880	-0.07593	-0.16848	-0.06798	-0.08166	-0.05260
cean nouns	43	33	33	-0.00563	0.47324	-0.10410	-0.16400	-0.04472	-0.09280	-0.06199
ceam variants	76	32	32	-0.00563	0.12685	0.04064	-0.10831	-0.04166	0.03695	-0.04883
ceam verbs	61	22	25	-0.00563	0.11563	0.01066	-0.08890	-0.05158	0.06542	-0.04560
ceam nouns	15	10	7	-0.00563	0.17246	0.16257	-0.18726	-0.00131	-0.07884	-0.06199
cead variants	7	7	3	-0.00563	0.13436	-0.10410	-0.18726	0.21774	0.00687	-0.06199

Table 25.1: Top 50 Line Position Scores at Each Extrema by Word Category (with Herbal Folio and Sectional Filters Applied)

Rank	Word Category	Score	Qualifying Count	Rank	Word Category	Score	Qualifying Count
1	**odcey relatives**	**0.10569**	**5**	1	ofor variants	0.90599	2
2	**odce0-4dy**	**0.13169**	**3**	2	o[fptk]edam	0.87860	9
3	yc + e4o	0.14020	19	3	[fptk | dlrs] prefixes to dam	0.86082	7
4	yc + e4ol	0.15698	17	4	a[dlrsmg]am	0.85500	53
5	o + c | cs + e4or	0.16841	11	5	ypai0-4n	0.85072	2
6	yc + e4o[lr]	0.17105	32	6	[dlrsmg] + ai4m	0.84796	4
7	yc[s | fptk]e4y	0.17662	23	7	[fptk]ai4m	0.83541	6
8	ycse4y	0.18016	22	8	[dlrsmg]ai4m	0.82600	54
9	**or + c | cs + e4o[lr]**	**0.18222**	**4**	9	otam variants	0.81932	47
10	yc + e4or	0.18700	15	10	opam variants	0.81717	7
11	[yo]c + e4ody	0.18968	21	11	od[ao]i0-4m	0.80703	13
12	[yo]c + e4o Superclass	0.19831	127	12	odai0-4m	0.80703	13
13	yce4y + infixed versions	0.20002	50	13	ceam verbs	0.80348	37
14	yce4y + s infixes	0.20209	49	14	[yo]d[ao]i0-4m	0.80081	14
15	o + c | cs + e4o[lr]	0.21268	23	15	yodai0-4m	0.80081	14
16	**dcedy relatives**	**0.21386**	**61**	16	cedam variants	0.80005	20
17	t[yo]lc	0.21657	4	17	ceam variants	0.79168	46
18	yce4y	0.21996	27	18	o[fptk | dlrsmg][ao]m	0.79081	138
19	**dc-initial**	**0.22028**	**187**	19	dai4m	0.77950	34
20	so	0.23637	182	20	om + o[fptk | dlrsmg]am	0.77742	201
21	o + c | cs + e4ol	0.25325	12	21	okam variants	0.75787	40
22	o + c | cs + e4o	0.25406	8	22	ofal variants	0.75072	2
23	[yo]cse4y	0.25781	33	23	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	0.74484	6
24	**ol + c | cs + e4o[lr]**	**0.25828**	**20**	24	ceam nouns	0.74316	9
25	[fptk][yo]lc	0.26176	41	25	ord	0.74167	3
26	**ol + c | cs + e4ody**	**0.26737**	**2**	26	om	0.73848	79
27	ocees relatives	0.27102	9	**27**	**oly**	**0.73209**	**85**
28	[dlrsmg] + c | c[s | fptk] + e4o	0.27859	22	28	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	0.72548	89
29	os[dlrsmg]	0.27876	2	**29**	**o[lr]y**	**0.71632**	**115**
30	[yo]ce4y + s infixes	0.27891	92	30	ceas variants	0.71557	3
31	pc-initial	0.28492	201	31	[dlrsmg]e0-4y	0.70621	137
32	tc-initial	0.28657	151	**32**	**ay polygraph (other)**	**0.69977**	**6**
33	ceda (dangling)	0.28671	2	33	[yo]fai0-4[rn]	0.69052	8
34	**oa**	**0.29047**	**144**	34	ol[lr]	0.69049	13
35	[yo]ce4y	0.29072	59	35	opc + e4o	0.69000	3
36	ceed + cey	0.30088	5	36	[fptk | dlrsmg] + c | c[s | fptk] + e4om	0.68285	17
37	sc-initial	0.30690	44	37	ory	0.67165	30
38	o[fptk]c + e4os	0.31170	4	38	opar variants	0.67026	24
39	okc + e4ody	0.31446	3	39	[yo]fa	0.66874	11
40	[fp]c-Initial	0.31494	242	40	ofar variants	0.65929	7
41	[fptk] + c | c[s | fptk] + e4o	0.33337	14	41	[yo][fp]a	0.64975	83
42	[tk]c-Initial	0.33897	280	**42**	**ol[yo]**	**0.64908**	**180**
43	e4n	0.34106	8	43	[yo][fp]ai0-4[rn]	0.64843	48
44	sai4n	0.34226	151	44	[yo]fo	0.64832	7
45	okc + e4ol	0.34491	10	45	[yo]pa	0.64685	72
46	cse4o	0.34862	60	46	ai0-4[dlrsmg][dlrsmg]	0.64499	98
47	oce4y	0.35042	32	**47**	**o[lr][yo]**	**0.64232**	**264**
48	oi4n	0.35401	28	48	old	0.64114	63
49	[yo]c + e4dy	0.35772	76	49	ol[ds]	0.63936	91
50	[yo]ce4y + infixed versions	0.35780	183	50	ece Verb	0.63822	2

Table 25.2: Top 50 Line Position Scores at Each Extrema by Word Category, without Herbal Folio and Sectional Filters

Rank	Word Category	Score	Qualifying Count	Rank	Word Category	Score	Qualifying Count
1	**odc-Nouns**	**0.09484**	**3**	1	[fptk | dlrs] prefixes to dam	0.86082	7
2	yc + e4or	0.15946	32	2	ypai0-4n	0.85072	2
3	yc + e4o	0.16523	36	3	a[dlrsmg]am	0.82519	75
4	yc + e4o[lr]	0.18373	69	4	otam variants	0.80057	77
5	ycse4y	0.19123	28	5	o[fptk]edam	0.79455	11
6	yc + e4ol	0.20472	37	6	opam variants	0.79424	10
7	**dcedy relatives**	**0.21422**	**76**	7	[dlrsmg]ai4m	0.78804	118
8	yce4y + s infixes	0.21976	77	8	cedam variants	0.78757	27
9	t[yo]lc	0.23432	9	9	[fptk]ai4m	0.78240	15
10	yc[s | fptk]e4y	0.23480	32	10	okam variants	0.77499	68
11	yce4y + infixed versions	0.23556	81	11	ceam verbs	0.76279	56
12	yce4y	0.23606	49	12	o[fptk | dlrsmg][ao]m	0.75883	250
13	[yo]c + e4o Superclass	0.24418	304	13	ceam variants	0.75213	70
14	ofc + e4o	0.26750	2	14	dai4m	0.74200	100
15	pc-initial	0.27474	288	15	[yo]doi0-4m	0.73580	2
16	**o[fptk]e0-4ay**	**0.27528**	**3**	16	om + o[fptk | dlrsmg]am	0.73310	393
17	[yo]cse4y	0.27831	53	17	ofal variants	0.73048	5
18	o + c | cs + e4o	0.27972	19	**18**	**ay polygraph (other)**	**0.72838**	**7**
19	[yo]c + e4ody	0.28264	44	19	okom variants	0.72683	11
20	ceda (dangling)	0.28671	2	20	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	0.72565	133
21	ol + c | cs + e4ody	0.29278	8	21	yd[ao]i0-4m	0.72127	3
22	[yo]ce4y + s infixes	0.29323	150	22	ceam nouns	0.70952	14
23	[yo]doi0-4n	0.29428	2	23	odai0-4m	0.68889	30
24	**dc-initial**	**0.29738**	**391**	24	[yo]d[ao]i0-4m	0.68803	34
25	[yo]ce4y	0.30138	97	25	om	0.68572	188
26	[fp]c-Initial	0.30451	360	26	yodai0-4m	0.68504	32
27	[fptk] + c | c[s | fptk] + e4o	0.30591	47	27	od[ao]i0-4m	0.68481	31
28	tc-initial	0.30618	319	28	[dlrsmg]e0-4y	0.68194	304
29	[fptk][yo]lc	0.30675	61	29	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	0.67162	25
30	o + c | cs + e4or	0.30826	35	**30**	**opc + e4o**	**0.67141**	**5**
31	so	0.31030	307	31	ord	0.67124	12

32	o + c | cs + e4o[lr]	0.31660	74
33	[dlrsmg] + c | c[s | fptk] + e4o	0.32202	42
34	**odce0-4dy**	**0.32376**	**4**
35	o + c | cs + e4ol	0.32408	39
36	oa	0.32420	245
37	o[fptk]c + e4os	0.33464	8
38	yd[ao]i0-4r	0.34471	9
39	okc + e4or	0.34943	46
40	ceed + cey	0.35029	9
41	ol + c | cs + e4o[lr]	0.35063	38
42	**okc + e4o**	**0.35192**	**41**
43	[tk]c-Initial	0.35932	618
44	**otc + e4o**	**0.36051**	**34**
45	**[yo][dlrsmg] + c | cs + e4o**	**0.36703**	**15**
46	sc-initial	0.36742	84
47	oce4y	0.36805	48
48	**opas variants**	**0.36876**	**2**
49	oce4y + s infixes	0.37072	73
50	yd[ao]i0-4[lr]	0.37238	17

32	**oly**	**0.65834**	**160**
33	[dlrsmg] + ai4m	0.65818	12
34	ai0-4[dlrsmg][dlrsmg]	0.65123	226
35	**o[lr]y**	**0.65120**	**240**
36	[yo][fptk]e4om	0.64935	11
37	opar variants	0.64559	31
38	ofai0-4n	0.64376	6
39	[yo]fai0-4n	0.64376	6
40	ols	0.64230	70
41	[fptk | dlrsmg] + c | c[s | fptk] + e4om	0.64093	50
42	**ory**	**0.63692**	**80**
43	dody	0.63665	13
44	[yo]pa	0.63628	95
45	ofor variants	0.63588	5
46	[yo][fp]a	0.63232	122
47	**ady**	**0.63178**	**24**
48	od[fptk | dlrsmg] minus odl	0.62919	21
49	ydai0-4m	0.62736	2
50	[dlrsmg | fptk]e0-4y	0.62350	545

Table 25.3: Top 50 Clause Position Scores at Each Extrema by Word Category in Version #59

Rank	Category	Clause Position Score
1	opom variants	0.09545
2	b	0.15842
3	opod variants	0.19065
4	odce0-4dy	0.25185
5	ofor variants	0.26362
6	[yo]e4[fp]	0.28784
7	[yo]fo	0.29008
8	opc + e4ody	0.29127
9	[yo]cp	0.29515
10	[yo]e4 | c + [fp]	0.29608
11	[yo]c[fp]	0.29753
12	ofc + e4or	0.29957
13	olp	0.29963
14	cecpey relatives	0.31686
15	ope4dy	0.31793
16	ofai0-4n	0.31913
17	[yo]fai0-4n	0.31913
18	olf	0.34783
19	[yo][fp]o	0.34886
20	ofol variants	0.34896
21	a[fptk]y	0.35087
22	or + c | cs + e4o[lr]	0.35171
23	ofc + e4ol	0.35874
24	ofod variants	0.36111
25	[yo]e0-4[fp]e0-4[yo]	0.36448
26	okos variants	0.36581
27	o[fptk]d	0.37109
28	[yo]po	0.37285
29	cecfey relatives	0.37647
30	opce0-4y	0.37869
31	opc + e4ol	0.38348
32	opol variants	0.38432
33	ope0-4y	0.38604
34	o[fptk]e0-4ay	0.38630
35	opc + e0-4 + y | dy | o[dlrs]y	0.38705
36	oe0-4[fp]oe0-4[lr]	0.38799
37	opce0-4dy	0.38856
38	[yo]py	0.39342
39	odl	0.39571
40	[yo]fai0-4[rn]	0.40871
41	yd[ao]i0-4l	0.41224
42	ydai0-4l	0.41224
43	opor variants	0.41329
44	od[fptk | dlrsmg]	0.41549
45	[yo][fp]y	0.41800
46	c[fp]e4y + added c-sequences	0.41906
47	cedar variants	0.42110
48	o[fptk]ce4[lrsmg]	0.42293
49	q[fptk]o[dlrsmg]	0.42675
50	ord	0.42686

Rank	Category	Clause Position Score
1	otos variants	0.79364
2	[yo][fptk]a[fptk]a	0.74074
3	o[fptk | dlrsmg]e4g	0.72684
4	cedas variants	0.72143
5	[yo][fptk | dlrsmg][ao]g	0.69231
6	[yo]ke4os	0.69172
7	cead variants	0.68902
8	**yc + e4ol**	**0.67990**
9	otas variants	0.67686
10	yd[ao]i0-4r	0.67463
11	[yo]doi0-4r	0.67451
12	ofc + e4o	0.67308
13	yd[ao]i0-4[rm]	0.66674
14	ydai0-4r	0.66521
15	o[fptk]o	0.65034
16	[dlrsmg] + c | c[s | fptk] + e4o	0.64835
17	otom variants	0.64743
18	okc + e4ody	0.64706
19	ce4y	0.64130
20	or[lrsmg]	0.63955
21	o[tk][lr]	0.63731
22	osai0-4n	0.63589
23	[yo]te4or	0.63435
24	o[fptk]edam	0.63409
25	o[fptk]e4os	0.63231
26	yd[ao]i0-4m	0.63125
27	ydai0-4m	0.63125
28	dai4m	0.62919
29	[yo]d[ao]i0-4m	0.62870
30	od[ao]i0-4m	0.62854
31	[fptk | dlrsmg] + c | c[s | fptk] + e4om	0.62693
32	[yo]e0-4do + e4[i4 + [drn] & cedody	0.62364
33	yodai0-4m	0.62335
34	odai0-4m	0.62282
35	sc-initial	0.62124
36	ai4l	0.62063
37	cte4y	0.61947
38	[dlrsmg]ai4m	0.61899
39	ol[lr]	0.61615
40	cke4y	0.61355
41	**yc + e4o[lr]**	**0.61257**
42	ytai0-4n	0.60852
43	ce4o	0.60816
44	o[fptk | dlrsmg][ao]m	0.60629
45	otc + e4ody	0.60616
46	c[fptk]e4y	0.60605
47	ce4dy	0.60444
48	okam variants	0.60428
49	ykai0-4n	0.60426
50	ceal verbs	0.60416

Table 25.4: Top 50 Paragraph Position Scores at Each Extrema by Word Category in Version #59

Rank	Category	Clause Position Score
1	ope4dy	0.03759
2	ofod variants	0.04424
3	b	0.04483
4	opas variants	0.08782
5	or[fptk]	0.10388
6	olp	0.13070
7	[yo]fo	0.13078
8	ofol variants	0.13501
9	opom variants	0.14688
10	ofai0-4n	0.14834

Rank	Category	Clause Position Score
1	otas variants	0.72335
2	o[fptk | dlrsmg]e4g	0.70842
3	yd[ao]i0-4r	0.66220
4	ydai0-4r	0.64775
5	yd[ao]i0-4[rm]	0.64296
6	e4n	0.64295
7	yc + e4o	0.63067
8	[yo][fptk]e4om	0.62656
9	a[dlrsmg]am	0.62306
10	cead variants	0.62107

11	[yo]fai0-4n	0.14834
12	ope0-4y	0.15112
13	[yo]py	0.15198
14	[yo][fp]y	0.15674
15	opc + e4ol	0.15807
16	[yo]e4[fp]	0.16135
17	ofc + e4ol	0.17042
18	ofe0-4y	0.17342
19	[yo]fy	0.17342
20	[yo]e0-4[fp]e0-4[yo]	0.19101
21	[yo]cp	0.19590
22	[yo]e4 | c + [fp]	0.19628
23	ofce0-4dy	0.20855
24	[yo]c[fp]	0.20929
25	opol variants	0.20945
26	ofc + e0-4 + y | dy | o[dlrs]y	0.20989
27	[yo][fp]o	0.21222
28	ofc + e4or	0.21632
29	ofc + e4 + y | dy | o + [lr] Superset	0.22244
30	opc + e4ody	0.22424
31	oe0-4[fp]oe0-4[lr]	0.22793
32	opc + e4or	0.23122
33	opce0-4y	0.23181
34	opc + e0-4 + y | dy | o[dlrs]y	0.23401
35	opce0-4dy	0.23689
36	ofce0-4y	0.23757
37	ofor variants	0.23763
38	ef[yoa]	0.24215
39	[yo]po	0.24546
40	ece Verb	0.24560
41	olf	0.24923
42	e[fp][yoa]	0.24953
43	[yo][fp][yoa]	0.25423
44	ep[yoa]	0.25553
45	odc-Nouns	0.25600
46	opor variants	0.25847
47	[yo]fai0-4[rn]	0.26093
48	cecpey relatives	0.26328
49	opai0-4n	0.26634
50	[yo][fp]ai0-4[rn]	0.27373

11	a[lr]an	0.61953
12	osai0-4n	0.61889
13	okam variants	0.60786
14	ykai0-4n	0.60611
15	[fptk | dlrsmg] + c | c[s | fptk] + e4om	0.60400
16	od[ao]i0-4m	0.60076
17	ytai0-4n	0.59906
18	o[tk][ao]s	0.59870
19	[yo]d[ao]i0-4m	0.59807
20	[yo]te4os	0.59318
21	otam variants	0.59203
22	o[fptk]o	0.59134
23	g	0.58988
24	odai0-4m	0.58884
25	yodai0-4m	0.58681
26	okos variants	0.58626
27	sai4n	0.58362
28	a[fptk]a	0.58315
29	[dlrsmg]ai4m	0.58309
30	eka	0.58009
31	o[fptk | dlrsmg][ao]m	0.57954
32	ocke4y	0.57886
33	**yc + e4or**	**0.57823**
34	dai4m	0.57806
35	cedam variants	0.57723
36	[dlrsmg] + c | c[s | fptk] + e4o	0.57664
37	cean nouns	0.57659
38	l[drs] Prefixes	0.57649
39	o[fptk]edam	0.57527
40	ce4o	0.57358
41	c + e4 + [fptk] Nouns	0.57126
42	ai4l	0.56901
43	lc-initial	0.56895
44	om + o[fptk | dlrsmg]am	0.56859
45	ll	0.56822
46	cectey relatives	0.56820
47	olo	0.56820
48	**yc + e4o[lr]**	**0.56688**
49	ce4y	0.56671
50	o[fptk]e4os	0.56608

Table 25.5: Revelation of Internal Orders from Clause Positioning Scores of Leading Word Categories, Organized by Property Groups

-dy

#	Remedy/Solution Hierarchy – Cosmetic/Bath	#	Clause Position
27	o[fptk]edar	72	0.37586
49	o[fptk]eda[lrsm | n]	184	0.43415
64	ote4dy	509	0.45231
69	o[fptk]edai4n	59	0.46012
85	[yo][fptk]e4d	60	0.47338
106	o[fptk]e4dy	1444	0.48069
136	oke4dy	933	0.49603

#	Problem/Disease Hierarchy - Cosmetic	#	Clause Position
11	opce0-4dy	159	0.23689
26	o[fptk]ce4[lrsmg]	57	0.35524
28	o[fptk]c + e0-4dy	554	0.37922
34	[yo][fptk]ce4d	42	0.40582
63	otce0-4dy	172	0.45167
81	okce0-4dy	188	0.47133

-y

#	Remedy/Solution Hierarchy – Eruptive vs. Time?	#	Clause Position
1	[yo][fp]y	44	0.15674
76	[yo]te4o	49	0.46818
95	[yo][fptk]e4o	88	0.47640
137	[yo]ke4o	89	0.49731
220	o[tk]e0-4y	2042	0.52395
247	oke0-4y	1314	0.53394
331	o[fptk]o	51	0.59134

#	Problem/Disease Hierarchy - Eruptive	#	Clause Position
9	opce0-4y	111	0.23181
66	o[fptk]c + e0-4y	753	0.45794
138	o[dlrs]ce4y Superset	196	0.49799
122	otce0-4y	281	0.48893
195	okce0-4y	338	0.51613

-ody

#	Remedy/Solution Hierarchy – Musculo-Skeletal	#	Clause Position
75	[yo]te4od	149	0.46794
139	o[fptk][ao]d	185	0.49820
140	[yo][fptk]e4od + y	284	0.49842
171	[yo][fptk]e4od	355	0.50830
216	okod variants	74	0.52286
217	otod variants	88	0.52369
242	[yo]ke4od	207	0.53160
310	o[fptk]ody	85	0.56359

#	Problem/Disease Hierarchy - Other	#	Clause Position
54	o[fptk]c + e4ody	75	0.44406

-[ao][lr]

#	Problem/Disease Hierarchy - Other	#	Clause Position
17	opar variants	48	0.28062
21	opal variants	42	0.29458
61	otor variants	113	0.45063
78	[yo]te4ol	99	0.46905
80	[yo]te4o[lr]	130	0.47114
108	[yo]te4o[dlrsmg]	341	0.48143
149	otar variants	345	0.50211
172	otol variants	239	0.50834
180	[yo][fptk][ao][lr]	2688	0.51112
184	o-axis of [yo][fptk][ao][lr]	764	0.51214
203	[yo][fptk]e4or	127	0.51919
209	[yo][fptk]e4o[lr]	449	0.52155
214	[yo][fptk]e4ol	322	0.52255
230	okol variants	285	0.52707
240	[yo]ke4or	96	0.53108
243	a-axis of [yo][fptk][ao][lr]	1731	0.53184
257	okar variants	493	0.53766
259	okal variants	544	0.53884
264	[yo]ke4o[lr]	319	0.54013
267	[yo]ke4o[dlrsmg]	584	0.54074
270	okor variants	122	0.54265
273	[yo]ke4ol	223	0.54430

#	Problem/Disease Hierarchy - Other	#	Clause Position
52	o[fptk]c + e0-4ol	159	0.43937
90	o[fptk]c + e0-4or	135	0.47455
119	otc + e4or	58	0.48664
175	otc + e4ol	66	0.50945
258	okc + e4ol	55	0.53873
300	okc + e4or	54	0.55629
	o-Endings		
71	otc + e4o	44	0.46268
118	[yo][fptk | dlrsmg] + c | cs + e4o	113	0.48651
148	o[fptk]c + e0-4o	101	0.50188
291	okc + e4o	49	0.55238

-[ao][s | n | m]

#	Problem/Disease Hierarchy - Endings	#	Clause Position
	-[ao]s		
262	[yo]ke4os	46	0.53950
278	o[fptk][ao]s	66	0.54558
299	osa	66	0.55584
312	o[fptk]e4os	106	0.56608
333	[yo]te4os	60	0.59318
334	o[tk][ao]s	58	0.59870
	-ai0-4n		
16	[yo][fp]ai0-4[#]	111	0.27373
265	otai0-4n	430	0.54035
279	[yo]tai0-4n	490	0.54712
284	o[fptk]ai4n	1598	0.54955
297	okai0-4n	994	0.55429
301	[yo]kai0-4n	1067	0.55770
335	ytai0-4n	59	0.59906
337	ykai0-4n	73	0.60611
	-ai0-4m		
326	o[fptk | dlrsmg][ao]m	280	0.57954
332	otam variants	88	0.59203
338	okam variants	76	0.60786

#	Balneological Ingredient Categories	#	Clause Position
29	edo	90	0.38032
60	eda	784	0.45007
74	Prefixed Versions of c | c[s | fptk] + e4dy	41	0.46769
92	cse4dy	585	0.47511
96	c + e4dy	3053	0.47667
99	c[s | fptk]e4dy	622	0.47762
86	ed[yoa]	5851	0.47361
100	edy	4981	0.47840
134	c | cs + e0-4d	89	0.49578
200	c | c[s | fptk] + e4dy	1395	0.51798
249	dcedy relatives	85	0.53470
283	[dlrsmg] + c | c[s | fptk] + e4dy	327	0.54919

#	Suspected Liquid Ingredients	#	Clause Position
18	c[fp]e4y + added c-sequences & cfeo-Initial	84	0.28477
20	c[fp]e4y + added c-sequences	69	0.29275
24	cpe4[yo]	94	0.33701
30	c-sequence + e4 + [fptk] + c-sequence + e4 + y	84	0.39640
109	cse4y	578	0.48186
147	c[s | fptk]e4y	887	0.50053
207	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	0.52021
232	c-sequence + e4 + [fptk] + e4 + y	101	0.52793
239	c + c[s | fptk]e4y	1624	0.53019
244	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	0.53215
245	c[fptk]e4y	310	0.53273
254	ceckey relatives	377	0.53723

#	Herbal Ingredient Categories	#	Clause Position
25	cpeo-initial	67	0.34720
44	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	44	0.42500
91	[fptk | dlrsmg] + c | c[s | fptk] + e4od	68	0.47495
112	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	0.48295
121	ckeo-initial	79	0.48864
126	cse4o	205	0.49010
143	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	0.49979
155	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	0.50311
162	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	0.50549
166	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	0.50719
177	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	0.50963
192	c | c[fptk] + e4o	228	0.51475

295	ce4dy	755	0.55348

285	cte4y	186	0.54984
308	cke4y	93	0.56221
313	ce4y	737	0.56671
315	cectey relatives	197	0.56820

268	cteo-initial	220	0.54101
320	ce4o	160	0.57358
309	**[fptk | dlrsmg] + c | c[s | fptk] + e4os**	**158**	**0.56312**
323	[dlrsmg] + c | c[s | fptk] + e4o	49	0.57664
336	**[fptk | dlrsmg] + c | c[s | fptk] + e4om**	**54**	**0.60400**

#	Balneological Verbs?	#	Clause Position
35	cedar variants	176	0.40929
103	cedal variants	127	0.47912
	-ai0-4n		
82	cedaiin variants	189	0.47140

#	Ordinary Verbs	#	Clause Position
196	[dlrsmg] + ai4r	190	0.51621
213	[dlrsmg] + ai4[lr] + y-suffix	1035	0.52250
215	[dlrsmg]ai4[lr]	875	0.52267
256	ai4r	483	0.53756
281	ai4[lr]	782	0.54802
319	ai4l	306	0.56901
	-ai0-4n		
271	rai4n	115	0.54314
276	dai4n	1140	0.54537
286	ai4n	589	0.55010
289	[dlrsmg | fptk] + ai4n	1724	0.55166
329	sai4n	258	0.58362
339	a[lr]an	56	0.61953
	-ai0-4m		
324	dai4m	130	0.57806
328	[dlrsmg]ai4m	149	0.58309
340	a[dlrsmg]am	92	0.62306

#	Herbal or Treatment Verbs	#	Clause Position
37	cear nouns	62	0.41189
181	cear variants	365	0.51124
236	cear verbs	303	0.52969
231	ceal variants	269	0.52708
294	ceal verbs	230	0.55325
	-ai0-4n		
302	cean verbs	213	0.55801
305	cean variants	255	0.55959
311	ce4ai4n	271	0.56433
322	cean nouns	43	0.57659
	-ai0-4m		
250	ceam variants	76	0.53549
280	ceam verbs	61	0.54785

#	Rare Categories	#	Clause Position
41	o[fptk][dlrsmg]	68	0.42237
48	c + e4 + [fptk] Endings	60	0.43285
53	Detached Class Modifiers	95	0.44010
72	o[fptk] endings	79	0.46342
87	faceys relatives	61	0.47392
89	od endings + odcey relatives	275	0.47450
94	c[fptk]c polygraph	99	0.47633
97	a[dlrsmg]c	91	0.47683
105	od endings	243	0.48016
113	ece Adjective	69	0.48297
124	ece polygraph	219	0.48945
158	ece Noun	142	0.50406
159	o[tk]e4s	98	0.50485
160	Double c-Sequence Nouns	53	0.50542
201	ai0-4[dlrsmg][dlrsmg]	214	0.51903
210	[dlrsmg]e0-4y	453	0.52205
218	[dlrsmg | fptk]e0-4y	735	0.52392
272	a[lr][fptk]	83	0.54344

#	Anatomical Categories	#	Clause Position
56	olt	65	0.44643
104	ols	93	0.47989
120	oy	141	0.48802
129	[yo]dy endings	1228	0.49109
146	ol[ds]	315	0.50014
164	oy + oe4y	207	0.50653
168	olcey relative	277	0.50758
179	old	225	0.51027
187	ol[dtk]	842	0.51306
198	ol[tk]	621	0.51636
199	oe0-4s	632	0.51739
224	olk	557	0.52457
229	olcey relatives (non -edy)	138	0.52666
288	oe4y	66	0.55133
269	**om**	**203**	**0.54167**
	oi4n and Relatives		
123	oi4n	58	0.48893
125	[yo]doi0-4[lr]	45	0.48952
141	[yo]doi0-4[lm]	48	0.49882
144	oi4n Superset	257	0.49980
188	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	0.51337
248	[q | fptk | dlrsmg] + oi0-4[lr]	1819	0.53405
277	oi4[dlrsmg | n]	1124	0.54539

#	Sensory Hierarchy (Related to –edy?)	#	Clause Position
13	e[fp][yoa]	79	0.24953
15	ep[yoa]	46	0.25553
84	e[tk]o	60	0.47233
93	et[yo]	115	0.47615
111	ety	93	0.48270
115	et[yoa]	186	0.48386
135	eta	71	0.49584
282	ek[yo]	255	0.54875
304	eky	217	0.55862
307	ek[yoa]	446	0.56187
327	eka	191	0.58009

#	Suspected Color/Symptom Hierarchy	#	Clause Position
3	[yo]e4 | c + [fp]	84	0.19628
4	[yo]c[fp]	62	0.20929
32	[yo]c + e4ody	48	0.40129
39	o + c | cs + e4o[lr]	88	0.42121
40	o + c | cs + e4ol	48	0.42147
55	oce4y + s infixes	90	0.44571
59	oc[fpt]e4y	132	0.44936
88	oce4y	60	0.47423
98	[yo]c + e4o Superclass	345	0.47735
114	[yo]cse4y	57	0.48368
130	[yo]ce4y + s infixes	172	0.49204
150	[yo]ce4y	113	0.50250
156	oce4y + infixed versions	379	0.50328
169	[yo]c + e4dy	110	0.50784
170	oc[s | fptk]e4y	319	0.50828
176	[yo]ce4y + infixed versions	466	0.50959
183	[yo]c[s | fptk]e4y	353	0.51181
205	oc[fptk]e4y	289	0.51969
206	[yo]c[fptk]e4y	294	0.51976
238	yce4y	53	0.53019
251	yce4y + infixed versions	87	0.53550
252	yce4y + s infixes	82	0.53589
314	yc + e4o[lr]	68	0.56688
325	ocke4y	162	0.57886

#	Suspected Planet Categories	#	Clause Position
31	odai0-4r	193	0.39763
33	od[ao]i0-4r	215	0.40386
36	yodai0-4r	205	0.41183
38	[yo]d[ao]i0-4r	228	0.41848
42	odai0-4[lr]	326	0.42294
45	yodai0-4[lr]	348	0.42651
47	od[ao]i0-4[lr]	369	0.43118
50	[yo]d[ao]i0-4[lr]	393	0.43506
57	yodai0-4l	143	0.44701
65	[yo]d[ao]i0-4l	165	0.45685
67	odai0-4l	133	0.45874
73	od[ao]i0-4l	154	0.46713
	-ai0-4n		
185	[yo]d[ao]i0-4n	450	0.51259
186	yodai0-4n	448	0.51293
221	od[ao]i0-4n	410	0.52397
223	odai0-4n	408	0.52441

#	Pipe/Flow/Queue Categories	#	Clause Position
107	dairol/soral relatives	190	0.48119
131	oly	222	0.49261
142	o[lr]y	318	0.49955
145	a[lr][ao][lr]	391	0.50005
153	[ao][lr][ao][lr] Pipe/Flow	843	0.50301
154	aro[dlrsmg]	105	0.50310
241	ory	108	0.53113
	-ai0-4n		
178	olai0-4n	126	0.51021
298	orai0-4n	135	0.55559

Table 25.6: Hard Grammar Rules Derived from Left-to-Right Directionality of Word Categories

#	Category 1	Category 2	Word Count 1	Word Count 2	Actual Probability	Probability Difference	Actual Count	Inverse Count	Directionality Count Difference	Directionality Distance
1	lc-initial	[yo]kai0-4n	457	1067	0.000514	0.000192	20	0	20	0.000514
2	cte4[yo]	Single-Letter Words	406	566	0.000514	0.000362	20	0	20	0.000514
3	o[tk]e0-4y	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	2042	186	0.000488	0.000237	19	0	19	0.000488
4	lc-initial	okai0-4n	457	994	0.000462	0.000163	18	0	18	0.000462
5	[dlrsmg | fptk] + ai4[dlrsmg | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4os	3168	158	0.000385	0.000055	15	0	15	0.000385
6	oke0-4y	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	1314	186	0.000385	0.000224	15	0	15	0.000385
7	ai4l	[dlrsmg | fptk]e0-4y	306	735	0.000385	0.000237	15	0	15	0.000385
8	ai4[dlrsmg | n]	[yo]c[s | fptk]e4y	1519	353	0.000385	0.000031	15	0	15	0.000385
9	l[fptk] Prefixes	cse4dy	514	585	0.000360	0.000161	14	0	14	0.000360
10	[dlrsmg | fptk] + ai4[dlrsmg]	aro[dlrsmg]	1444	105	0.000360	0.000260	14	0	14	0.000360
11	[dlrsmg] + c | c[s | fptk] + e4dy	[yo]kai0-4n	327	1067	0.000360	0.000129	14	0	14	0.000360
12	[dlrsmg] + c | c[s | fptk] + e4dy	okai0-4n	327	994	0.000360	0.000145	14	0	14	0.000360
13	dc-initial	[yo]kai0-4n	454	1067	0.000360	0.000040	14	0	14	0.000360
14	ke4o	[dlrsmg | fptk] + ai4[dlrsmg | n]	137	3168	0.000360	0.000073	14	0	14	0.000360
15	dc-initial	okai0-4n	454	994	0.000334	0.000036	13	0	13	0.000334
16	ai4[dlrsmg | n]	y + Non-[dlrs] Prefixes	1519	205	0.000334	0.000128	13	0	13	0.000334
17	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	dc-initial	222	454	0.000334	0.000267	13	0	13	0.000334
18	lk-initial	cse4dy	454	585	0.000308	0.000133	12	0	12	0.000308
19	ai4[dlrsmg | n]	oc[s | fptk]e4y	1519	319	0.000308	-0.000012	12	0	12	0.000308
20	ai4[lr]	om + o[fptk | dlrsmg]am	782	454	0.000308	0.000074	12	0	12	0.000308
21	[fptk]e0-4y	[dlrsmg | fptk] + ai4n	161	1724	0.000308	0.000125	12	0	12	0.000308
22	[dlrsmg | fptk] + ai4n	oy	1724	141	0.000308	0.000148	12	0	12	0.000308
23	cteo-initial	Single-Letter Words	220	566	0.000308	0.000226	12	0	12	0.000308
24	[dlrsmg] + ai4[lr] + y-suffix	aro[dlrsmg]	1035	105	0.000308	0.000237	12	0	12	0.000308
25	[dlrsmg]ai4[lr]	aro[dlrsmg]	875	105	0.000283	0.000222	11	0	11	0.000283
26	[dlrsmg | fptk]e0-4y	oa	735	321	0.000283	0.000127	11	0	11	0.000283
27	[fptk]ai4[lr]	ai4r	190	483	0.000283	0.000222	11	0	11	0.000283
28	c | c[s | fptk] + e4dy	ce4y	1395	737	0.000283	-0.000396	11	0	11	0.000283
29	ai4[dlrsmg | n]	[yo]c[fptk]e4y	1519	294	0.000283	-0.000012	11	0	11	0.000283
30	l[drs] Prefixes	ai4[dlrsmg | n]	95	1519	0.000283	0.000187	11	0	11	0.000283
31	oy + oe4y	[tk]e4o	207	206	0.000283	0.000254	11	0	11	0.000283
32	ai4n	cse4y	589	578	0.000283	0.000058	11	0	11	0.000283
33	[tk]c-Initial	[yo]kai0-4n	667	1067	0.000283	-0.000187	11	0	11	0.000283
34	[tk]c-Initial	okai0-4n	667	994	0.000283	-0.000155	11	0	11	0.000283
35	ai4n	otc + e0-4 + y | dy | o[dlrs]y	589	493	0.000257	0.000065	10	0	10	0.000257
36	ai4[dlrsmg | n]	oc[fptk]e4y	1519	289	0.000257	-0.000033	10	0	10	0.000257
37	a[lr][ao][lr]	cse4y	391	578	0.000257	0.000108	10	0	10	0.000257
38	tc-initial	[yo]kai0-4n	345	1067	0.000257	0.000014	10	0	10	0.000257
39	tc-initial	okai0-4n	345	994	0.000257	0.000031	10	0	10	0.000257
40	om + o[fptk | dlrsmg]am	oa	454	321	0.000257	0.000161	10	0	10	0.000257
41	[yo]c[fp]	[yo][fptk][ao][lr]	62	2688	0.000257	0.000147	10	0	10	0.000257
42	ai4[dlrsmg]	y + Non-[dlrs] Prefixes	930	205	0.000257	0.000131	10	0	10	0.000257
43	[yo][fptk][ao][lr]	Consonant Clusters	2688	115	0.000257	0.000053	10	0	10	0.000257
44	dcedy relatives	oke4dy	85	933	0.000257	0.000205	10	0	10	0.000257
45	okol variants	[yo]kai0-4n	285	1067	0.000257	0.000056	10	0	10	0.000257
46	pc-initial	[yo][fp][yoa]	307	339	0.000257	0.000188	10	0	10	0.000257
47	[dlrsmg | fptk] + ai4[dlrsmg | n]	o[fptk] endings	3168	79	0.000257	0.000092	10	0	10	0.000257
48	opce0-4y	o[tk]e0-4y	111	2042	0.000257	0.000107	10	0	10	0.000257
49	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	cse4dy	186	585	0.000231	0.000159	9	0	9	0.000231
50	Consonant Clusters	ai4r	115	483	0.000231	0.000195	9	0	9	0.000231
51	dai4n	oy	1140	141	0.000231	0.000125	9	0	9	0.000231
52	dai4n	oy + oe4y	1140	207	0.000231	0.000075	9	0	9	0.000231
53	[yo][fptk | dlrsmg] + c | cs + e4o	[q | fptk | dlrsmg] + oi0-4[lr]	113	1819	0.000231	0.000096	9	0	9	0.000231
54	[yo][fptk]e4o[dlrsmg]	ce4o	924	160	0.000231	0.000134	9	0	9	0.000231
55	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	c[s | fptk]e4dy	186	622	0.000231	0.000155	9	0	9	0.000231
56	c[fptk]e4y	Single-Letter Words	310	566	0.000231	0.000115	9	0	9	0.000231
57	c[fptk]e4y	[yo][fptk]e4o[lr]	310	449	0.000231	0.000139	9	0	9	0.000231
58	yc + e4o	lk-initial	38	454	0.000231	0.000220	9	0	9	0.000231
59	[fp]c-Initial	ol[tk]	387	621	0.000231	0.000073	9	0	9	0.000231
60	pc-initial	[yo]e0-4[fp]e0-4[yo]	307	149	0.000231	0.000201	9	0	9	0.000231
61	yc + e4o	l[fptk] Prefixes	38	514	0.000231	0.000218	9	0	9	0.000231
62	ke4o	[dlrsmg | fptk] + ai4n	137	1724	0.000231	0.000075	9	0	9	0.000231
63	ai4[dlrsmg]	[yo]c[s | fptk]e4y	930	353	0.000231	0.000015	9	0	9	0.000231
64	ce4a	cse4dy	1009	585	0.000231	-0.000158	9	0	9	0.000231
65	ce4a	c[s | fptk]e4dy	1009	622	0.000231	-0.000183	9	0	9	0.000231
66	o[fptk]c + e0-4o	[q | fptk | dlrsmg] + oi0-4[lr]	101	1819	0.000231	0.000110	9	0	9	0.000231
67	[fptk | dlrsmg] + c | c[s | fptk] + e4os	c[s | fptk]e4y	158	887	0.000231	0.000139	9	0	9	0.000231
68	ai4[lr]	y + Non-[dlrs] Prefixes	782	205	0.000231	0.000125	9	0	9	0.000231
69	oy + oe4y	ke4o	207	137	0.000231	0.000213	9	0	9	0.000231
70	oro	y-initial	102	1926	0.000231	0.000102	9	0	9	0.000231
71	o[tk][ao]s	ai4[dlrsmg | n]	58	1519	0.000231	0.000173	9	0	9	0.000231
72	[fp]c-Initial	ol[dtk]	387	842	0.000231	0.000016	9	0	9	0.000231
73	ai4l	[dlrsmg]e0-4y	306	453	0.000231	0.000140	9	0	9	0.000231
74	ai4l	[tk]e4dy	306	309	0.000206	0.000143	8	0	8	0.000206
75	ai4l	ke4dy	306	217	0.000206	0.000162	8	0	8	0.000206
76	[yo][fptk]e4o	dai4n	88	1140	0.000206	0.000139	8	0	8	0.000206
77	ai4[dlrsmg]	o[fptk | dlrsmg][ao]m	930	280	0.000206	0.000034	8	0	8	0.000206
78	pc-initial	[yo][fp]o	307	95	0.000206	0.000186	8	0	8	0.000206
79	pc-initial	oe	307	463	0.000206	0.000112	8	0	8	0.000206
80	pc-initial	oe sans oy + oe4y, oe0-4s	307	317	0.000206	0.000141	8	0	8	0.000206
81	od[ao]i0-4r	c | c[fptk] + e4o	215	228	0.000206	0.000173	8	0	8	0.000206
82	ai4l	ce4dy	306	755	0.000206	0.000053	8	0	8	0.000206
83	ai4n	o[fptk]c + e0-4y	589	753	0.000206	-0.000087	8	0	8	0.000206
84	odai0-4r	c | c[fptk] + e4o	193	228	0.000206	0.000176	8	0	8	0.000206
85	om + o[fptk | dlrsmg]am	[yo]ce4y + s infixes	454	172	0.000206	0.000154	8	0	8	0.000206
86	[dlrsmg | fptk] + ai4[dlrsmg]	cse4o	1444	205	0.000206	0.000010	8	0	8	0.000206
87	ai4[dlrsmg | n]	ocke4y	1519	162	0.000206	0.000043	8	0	8	0.000206
88	old	o[fptk]c + e0-4or	225	135	0.000206	0.000185	8	0	8	0.000206
89	cean verbs	edy	213	4981	0.000206	-0.000495	8	0	8	0.000206
90	[yo]d[ao]i0-4r	c | c[fptk] + e4o	228	228	0.000206	0.000171	8	0	8	0.000206
91	yc + e4o[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4or	68	733	0.000206	0.000173	8	0	8	0.000206
92	cteo-initial	[dlrsmg | fptk] + oi4[dlrsmg | n]	220	809	0.000206	0.000088	8	0	8	0.000206
93	[fptk]ai4n	eda	191	784	0.000206	0.000107	8	0	8	0.000206
94	c + c[s | fptk]e4y	opce0-4dy	1624	159	0.000206	0.000035	8	0	8	0.000206
95	cte4y	Single-Letter Words	186	566	0.000206	0.000136	8	0	8	0.000206
96	ai4r	om + o[fptk | dlrsmg]am	483	454	0.000206	0.000061	8	0	8	0.000206
97	[fp]c-Initial	ai4r	387	483	0.000206	0.000082	8	0	8	0.000206

98	pc-initial	ol[tk]	307	621	0.000206	0.000080	8	0	8	0.000206
99	[fp]c-Initial	oe	387	463	0.000206	0.000087	8	0	8	0.000206
100	[fp]c-Initial	oe sans oy + oe4y, oe0-4s	387	317	0.000206	0.000125	8	0	8	0.000206
101	pc-initial	ol[dtk]	307	842	0.000206	0.000035	8	0	8	0.000206
102	pc-initial	[dlrsmg | fptk] + ai4n	307	1724	0.000206	-0.000144	8	0	8	0.000206
103	[tk]c-Initial	otar variants	667	345	0.000206	0.000054	8	0	8	0.000206
104	okol variants	okai0-4n	285	994	0.000206	0.000019	8	0	8	0.000206
105	o[lr]y	so	318	378	0.000206	0.000126	8	0	8	0.000206
106	[yo][fptk | dlrsmg] + c | cs + e4o	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	113	230	0.000206	0.000188	8	0	8	0.000206
107	[yo][fptk | dlrsmg] + c | cs + e4o	[dlrsmg | fptk] + oi4[dlrsmg | n]	113	809	0.000206	0.000145	8	0	8	0.000206
108	cte4[yo]	ol[ds]	406	315	0.000206	0.000121	8	0	8	0.000206
109	otor variants	ai4[dlrsmg | n]	113	1519	0.000206	0.000092	8	0	8	0.000206
110	yodai0-4l	[dlrsmg | fptk] + ai4n	143	1724	0.000206	0.000043	8	0	8	0.000206
111	y-initial	oce4y + s infixes	1926	90	0.000206	0.000091	8	0	8	0.000206
112	cse4y	oce4y + infixed versions	578	379	0.000206	0.000061	8	0	8	0.000206
113	o[fptk]c + e0-4o	[dlrsmg | fptk] + oi4[dlrsmg | n]	101	809	0.000206	0.000152	8	0	8	0.000206
114	[dlrsmg | fptk] + ai4n	[fptk | dlrsmg] + c | c[s | fptk] + e4os	1724	158	0.000206	0.000026	8	0	8	0.000206
115	yodai0-4r	c | c[fptk] + e4o	205	228	0.000206	0.000175	8	0	8	0.000206
116	[yo]dy endings	[yo]ke4o	1228	89	0.000206	0.000133	8	0	8	0.000206
117	o[fptk][ao]s	ai4[dlrsmg]	66	930	0.000206	0.000165	8	0	8	0.000206
118	o[tk]e4s	ai4l	98	306	0.000206	0.000186	8	0	8	0.000206
119	okai0-4n	a[dlrsmg]am	994	92	0.000206	0.000145	8	0	8	0.000206
120	[tk]e4o	[yo]d[ao]i0-4[lrm | n]	206	880	0.000180	0.000060	7	0	7	0.000180
121	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	[dlrsmg | fptk] + ai4n	230	1724	0.000180	-0.000082	7	0	7	0.000180
122	cte4[yo]	okol variants	406	285	0.000180	0.000103	7	0	7	0.000180
123	[yo][fp]ai0-4[rn]	[dlrsmg] + ai4[lr] + y-suffix	111	1035	0.000180	0.000104	7	0	7	0.000180
124	c[s | fptk]e4y	[dlrsmg] + c | c[s | fptk] + e4dy	887	327	0.000180	-0.000012	7	0	7	0.000180
125	c[s | fptk]e4y	o[fptk]c + e0-4dy	887	554	0.000180	-0.000145	7	0	7	0.000180
126	c[s | fptk]e4y	qo variants	887	59	0.000180	0.000145	7	0	7	0.000180
127	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	[yo]ke4o[lr]	623	319	0.000180	0.000049	7	0	7	0.000180
128	[fptk]ai4n	cedai4[lrsm | n]	191	527	0.000180	0.000113	7	0	7	0.000180
129	okce0-4dy	okal variants	188	544	0.000180	0.000112	7	0	7	0.000180
130	cse4y	o[fptk]c + e0-4dy	578	554	0.000180	-0.000032	7	0	7	0.000180
131	[yo][fptk | dlrsmg] + c | cs + e4o	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	113	186	0.000180	0.000166	7	0	7	0.000180
132	[dlrsmg]e0-4y	oa	453	321	0.000180	0.000084	7	0	7	0.000180
133	[yo]ke4o[dlrsmg]	ce4o	584	160	0.000180	0.000118	7	0	7	0.000180
134	ol[yoa]	otal variants	614	333	0.000180	0.000045	7	0	7	0.000180
135	[yo]c + e4dy	ote4dy	110	509	0.000180	0.000143	7	0	7	0.000180
136	ol[dtk]	otce0-4y	842	281	0.000180	0.000024	7	0	7	0.000180
137	oe	ke4o	463	137	0.000180	0.000138	7	0	7	0.000180
138	odai0-4l	[dlrsmg | fptk] + ai4n	133	1724	0.000180	0.000028	7	0	7	0.000180
139	[yo][fptk]e4o[lr]	ce4o	449	160	0.000180	0.000132	7	0	7	0.000180
140	c[fptk]e4y	[yo][fptk]e4ol	310	322	0.000180	0.000114	7	0	7	0.000180
141	ai4l	yodai0-4n	306	448	0.000180	0.000089	7	0	7	0.000180
142	ai4l	odai0-4n	306	408	0.000180	0.000097	7	0	7	0.000180
143	ai4l	[yo]d[ao]i0-4n	306	450	0.000180	0.000089	7	0	7	0.000180
144	o[fptk]c + e0-4 + y | dy | o[dlrs]y	o[fptk][dlrsmg]	1421	68	0.000180	0.000116	7	0	7	0.000180
145	[dlrsmg] + ai4[lr] + y-suffix	cse4o	1035	205	0.000180	0.000040	7	0	7	0.000180
146	cke4[yo]	okol variants	172	285	0.000180	0.000147	7	0	7	0.000180
147	ai4n	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	589	623	0.000180	-0.000062	7	0	7	0.000180
148	dairol/soral relatives	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	190	2246	0.000180	-0.000102	7	0	7	0.000180
149	[dlrsmg | fptk]e0-4y	olcey relative	735	277	0.000180	0.000045	7	0	7	0.000180
150	c-sequence + e4 + [fptk] + c-sequence + e4 + y	[dlrsmg | fptk] + ai4[dlrsmg]	84	1444	0.000180	0.000100	7	0	7	0.000180
151	cteo-initial	[q | fptk | dlrsmg] + oi0-4[lr]	220	1819	0.000180	-0.000084	7	0	7	0.000180
152	a-axis of [yo][fptk][ao][lr]	Consonant Clusters	1731	115	0.000180	0.000048	7	0	7	0.000180
153	oi4n	c + c[s | fptk]e4y	58	1624	0.000180	0.000118	7	0	7	0.000180
154	[yo]cp	[yo][fptk][ao][lr]	38	2688	0.000180	0.000112	7	0	7	0.000180
155	[fptk]e0-4y	[yo][fptk][ao][lr]	161	2688	0.000180	-0.000106	7	0	7	0.000180
156	[dlrsmg | fptk] + ai4[dlrsmg]	[fptk | dlrsmg] + c | c[s | fptk] + e4os	1444	158	0.000180	0.000029	7	0	7	0.000180
157	okar variants	ol[yo]	493	388	0.000180	0.000054	7	0	7	0.000180
158	ai4[lr]	[fptk]e0-4y	782	161	0.000180	0.000097	7	0	7	0.000180
159	ai4[lr]	o[fptk | dlrsmg][ao]m	782	280	0.000180	0.000035	7	0	7	0.000180
160	ai4[dlrsmg | n]	olcey relative	1519	277	0.000180	-0.000098	7	0	7	0.000180
161	[dlrsmg | fptk] + oi4[dlrsmg | n]	[dlrsmg] + ai4r	809	190	0.000180	0.000078	7	0	7	0.000180
162	ai4[dlrsmg | n]	o[lr]y	1519	318	0.000180	-0.000139	7	0	7	0.000180
163	ai4[lr]	[yo]c[s | fptk]e4y	782	353	0.000180	-0.000002	7	0	7	0.000180
164	oi4n	[fptk | dlrsmg] + c | c[s | fptk] + e4y	58	2060	0.000180	0.000101	7	0	7	0.000180
165	pc-initial	ai4r	307	483	0.000180	0.000082	7	0	7	0.000180
166	o[tk][ao]s	ai4[dlrsmg]	58	930	0.000180	0.000144	7	0	7	0.000180
167	ce4dy	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	755	222	0.000180	0.000069	7	0	7	0.000180
168	[fp]c-Initial	olk	387	557	0.000180	0.000038	7	0	7	0.000180
169	oke0-4y	c | c[fptk] + e4o	1314	228	0.000180	-0.000018	7	0	7	0.000180
170	ai4l	od[ao]i0-4n	306	410	0.000180	0.000097	7	0	7	0.000180
171	ai4l	oke0-4y	306	1314	0.000154	-0.000111	6	0	6	0.000154
172	od endings + odcey relatives	yodai0-4n	275	448	0.000154	0.000073	6	0	6	0.000154
173	od endings + odcey relatives	odai0-4n	275	408	0.000154	0.000080	6	0	6	0.000154
174	od endings + odcey relatives	[yo]d[ao]i0-4n	275	450	0.000154	0.000072	6	0	6	0.000154
175	[yo]te4o[dlrsmg]	ocke4y	341	162	0.000154	0.000118	6	0	6	0.000154
176	od endings + odcey relatives	od[ao]i0-4n	275	410	0.000154	0.000080	6	0	6	0.000154
177	yc + e4or	[fptk | dlrsmg] + c | c[s | fptk] + e4or	34	733	0.000154	0.000138	6	0	6	0.000154
178	ai4[dlrsmg]	o[dlrs]ce4y Superset	930	196	0.000154	0.000034	6	0	6	0.000154
179	od[ao]i0-4n	ceal variants	410	269	0.000154	0.000081	6	0	6	0.000154
180	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	ce4ai4n	519	271	0.000154	0.000061	6	0	6	0.000154
181	ce4y	l-prefix + [fptk]e0-4y	737	80	0.000154	0.000115	6	0	6	0.000154
182	[tk]c-Initial	opce0-4y	667	111	0.000154	0.000105	6	0	6	0.000154
183	[tk]c-Initial	okar variants	667	493	0.000154	-0.000063	6	0	6	0.000154
184	ai4n	oc[s | fptk]e4y	589	319	0.000154	0.000030	6	0	6	0.000154
185	ai4n	[yo]c[s | fptk]e4y	589	353	0.000154	0.000017	6	0	6	0.000154
186	ai4l	c[s | fptk]e4y	306	887	0.000154	-0.000025	6	0	6	0.000154
187	ai4n	oc[fptk]e4y	589	289	0.000154	0.000042	6	0	6	0.000154
188	ai4n	[dlrsmg | fptk]e0-4y	589	735	0.000154	-0.000132	6	0	6	0.000154
189	y[fptk]-initial	oce4y + s infixes	1295	90	0.000154	0.000077	6	0	6	0.000154
190	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	oo + oe4o	519	133	0.000154	0.000109	6	0	6	0.000154
191	[dlrsmg] + ai4r	ek[yoa]	190	446	0.000154	0.000098	6	0	6	0.000154
192	[fptk | dlrsmg] + c | c[s | fptk] + e4os	cse4y	158	578	0.000154	0.000094	6	0	6	0.000154
193	a[dlrsmg]am	dc-initial	92	454	0.000154	0.000127	6	0	6	0.000154
194	a[dlrsmg]am	[dlrsmg]ai4[lr]	92	875	0.000154	0.000101	6	0	6	0.000154
195	odai0-4n	ceal variants	408	269	0.000154	0.000082	6	0	6	0.000154
196	oe4y	[tk]e4o	66	206	0.000154	0.000145	6	0	6	0.000154
197	o[fptk][dlrsmg]	c | c[s | fptk] + e4dy	68	1395	0.000154	0.000092	6	0	6	0.000154
198	oro	Single-Letter Words	102	566	0.000154	0.000116	6	0	6	0.000154

199	oa	cear variants	321	365	0.000154	0.000077	6	0	6	0.000154
200	oa	cear verbs	321	303	0.000154	0.000090	6	0	6	0.000154
201	oy + oe4y	[yo]kai0-4n	207	1067	0.000154	0.000008	6	0	6	0.000154
202	so	ce4ai4n	378	271	0.000154	0.000087	6	0	6	0.000154
203	ai4[lr]	om	782	203	0.000154	0.000049	6	0	6	0.000154
204	ai4[dlrsmg | n]	oly	1519	222	0.000154	-0.000068	6	0	6	0.000154
205	ai4[dlrsmg | n]	ety	1519	93	0.000154	0.000061	6	0	6	0.000154
206	o[fptk | dlrsmg][ao]m	[yo]ce4y + s infixes	280	172	0.000154	0.000122	6	0	6	0.000154
207	oda	[fptk | dlrsmg] + c | c[s | fptk] + e4om	847	54	0.000154	0.000124	6	0	6	0.000154
208	so	cean variants	378	255	0.000154	0.000091	6	0	6	0.000154
209	so	cean verbs	378	213	0.000154	0.000101	6	0	6	0.000154
210	oy + oe4y	o[fptk]ai4n	207	1598	0.000154	-0.000064	6	0	6	0.000154
211	[tk]e4dy	dai4n	309	1140	0.000154	-0.000078	6	0	6	0.000154
212	oy + oe4y	okai0-4n	207	994	0.000154	0.000018	6	0	6	0.000154
213	opce0-4y	ote0-4y	111	731	0.000154	0.000101	6	0	6	0.000154
214	lc-initial	cear variants	457	365	0.000154	0.000044	6	0	6	0.000154
215	lc-initial	cear verbs	457	303	0.000154	0.000063	6	0	6	0.000154
216	okc + e4or	[fptk | dlrsmg] + c | c[s | fptk] + e4or	54	733	0.000154	0.000128	6	0	6	0.000154
217	om + o[fptk | dlrsmg]am	yc + e4o[lr]	454	68	0.000154	0.000134	6	0	6	0.000154
218	o[fptk]c + e0-4o	kc-initial	101	322	0.000154	0.000133	6	0	6	0.000154
219	ai4[dlrsmg | n]	a[dlrsmg]c	1519	91	0.000154	0.000063	6	0	6	0.000154
220	[fptk]e0-4y	dai4n	161	1140	0.000154	0.000033	6	0	6	0.000154
221	[yo]ce4y + infixed versions	opc + e0-4 + y | dy | o[dlrs]y	466	302	0.000154	0.000061	6	0	6	0.000154
222	old	otc + e4or	225	58	0.000154	0.000146	6	0	6	0.000154
223	[yo]c[fp]	[yo][fp][yoa]	62	339	0.000154	0.000140	6	0	6	0.000154
224	c | c[s | fptk] + e4dy	[yo]e4 | c + [fp]	1395	84	0.000154	0.000077	6	0	6	0.000154
225	yodai0-4[lrm | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4om	832	54	0.000154	0.000124	6	0	6	0.000154
226	opc + e0-4 + y | dy | o[dlrs]y	[dlrsmg] + c | c[s | fptk] + e4dy	302	327	0.000154	0.000089	6	0	6	0.000154
227	olai0-4n	ol[dtk]	126	842	0.000154	0.000084	6	0	6	0.000154
228	Detached Class Modifiers	y[fptk]-initial	95	1295	0.000154	0.000073	6	0	6	0.000154
229	ola	[yo][fptk]e4ol	228	322	0.000154	0.000106	6	0	6	0.000154
230	ola	[yo][fptk]e4o[lr]	228	449	0.000154	0.000087	6	0	6	0.000154
231	ce4a	[yo]te4o[lr]	1009	130	0.000154	0.000068	6	0	6	0.000154
232	o[fptk]ce4[lrsmg]	y-initial	57	1926	0.000154	0.000082	6	0	6	0.000154
233	dai4n	[fptk | dlrsmg] + c | c[s | fptk] + e4os	1140	158	0.000154	0.000035	6	0	6	0.000154
234	cean nouns	o[tk]e0-4y	43	2042	0.000154	0.000096	6	0	6	0.000154
235	ce4o	ai4[dlrsmg]	160	930	0.000154	0.000056	6	0	6	0.000154
236	ce4o	ai4[lr]	160	782	0.000154	0.000072	6	0	6	0.000154
237	cte4y	a-axis of [yo][fptk][ao][lr]	186	1731	0.000154	-0.000058	6	0	6	0.000154
238	kc-initial	opc + e0-4 + y | dy | o[dlrs]y	322	302	0.000154	0.000090	6	0	6	0.000154
239	cse4dy	oicey relative	585	277	0.000154	0.000047	6	0	6	0.000154
240	cse4dy	ce4y	585	737	0.000154	-0.000130	6	0	6	0.000154
241	ai4r	o[fptk | dlrsmg][ao]m	483	280	0.000154	0.000065	6	0	6	0.000154
242	otce0-4y	[tk]e4o	281	206	0.000154	0.000116	6	0	6	0.000154
243	otce0-4y	oe0-4s	281	632	0.000154	0.000037	6	0	6	0.000154
244	ai4[dlrsmg]	oc[s | fptk]e4y	930	319	0.000154	-0.000042	6	0	6	0.000154
245	ol[yo]	otal variants	388	333	0.000154	0.000069	6	0	6	0.000154
246	ai4[lr]	g	782	132	0.000154	0.000086	6	0	6	0.000154
247	oi	c[s | fptk]e4dy	304	622	0.000154	0.000029	6	0	6	0.000154
248	[yo]d[ao]i0-4n	ceal variants	450	269	0.000154	0.000074	6	0	6	0.000154
249	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	cean variants	519	255	0.000154	0.000067	6	0	6	0.000154
250	cear verbs	om	303	203	0.000154	0.000114	6	0	6	0.000154
251	ce4dy	l[drs] Prefixes	755	95	0.000154	0.000107	6	0	6	0.000154
252	[yo][fptk]e4od + y	[yo]ke4o	284	89	0.000154	0.000137	6	0	6	0.000154
253	[fptk | dlrsmg] + c | c[s | fptk] + e4o	ece polygraph	503	219	0.000154	0.000081	6	0	6	0.000154
254	pc-initial	olk	307	557	0.000154	0.000041	6	0	6	0.000154
255	[yo]cse4y	c[fptk]e4o-initial & c[fptk]e4y Superclass	57	1659	0.000154	0.000092	6	0	6	0.000154
256	pc-initial	dai4n	307	1140	0.000154	-0.000077	6	0	6	0.000154
257	cear variants	om	365	203	0.000154	0.000105	6	0	6	0.000154
258	pc-initial	oe0-4[fp]oe0-4[lr]	307	71	0.000154	0.000140	6	0	6	0.000154
259	o[lr]y	tc-initial	318	345	0.000154	0.000082	6	0	6	0.000154
260	y-initial	oce4y	1926	60	0.000154	0.000078	6	0	6	0.000154
261	c[s | fptk]e4dy	ce4y	622	737	0.000154	-0.000148	6	0	6	0.000154
262	ai4n	oke4dy	589	933	0.000154	-0.000209	6	0	6	0.000154
263	ai4n	om	589	203	0.000154	0.000075	6	0	6	0.000154
264	ai4n	otce0-4dy	589	172	0.000154	0.000087	6	0	6	0.000154
265	ai4n	oce4y + infixed versions	589	379	0.000154	0.000007	6	0	6	0.000154
266	ai4n	[yo]c[fptk]e4y	589	294	0.000154	0.000040	6	0	6	0.000154
267	cedaiin variants	ceckey relatives	189	377	0.000154	0.000107	6	0	6	0.000154
268	oe	okce0-4y	463	338	0.000154	0.000051	6	0	6	0.000154
269	oo	[fptk | dlrsmg] + c | c[s | fptk] + e4or	62	733	0.000154	0.000124	6	0	6	0.000154
270	yc + e4o	[dlrsmg | fptk] + ai4n	38	1724	0.000154	0.000111	6	0	6	0.000154
271	[dlrsmg] + ai4[lr] + y-suffix	[fptk | dlrsmg] + c | c[s | fptk] + e4os	1035	158	0.000154	0.000046	6	0	6	0.000154
272	o[fptk]c + e0-4y	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	753	186	0.000154	0.000062	6	0	6	0.000154
273	opce0-4dy	dai4n	159	1140	0.000154	0.000035	6	0	6	0.000154
274	[yo][fptk]e4ol	oi4[dlrsmg | n]	322	1124	0.000154	-0.000085	6	0	6	0.000154
275	rai4n	cse4y	115	578	0.000154	0.000110	6	0	6	0.000154
276	ote0-4y	l-prefix + [fptk]e0-4y	731	80	0.000154	0.000116	6	0	6	0.000154
277	cte4[yo]	[yo]te4o[dlrsmg]	406	341	0.000154	0.000063	6	0	6	0.000154
278	c[fptk]e4y	okol variants	310	285	0.000154	0.000096	6	0	6	0.000154
279	otor variants	ai4[dlrsmg]	113	930	0.000154	0.000085	6	0	6	0.000154
280	c | c[fptk] + e4o	lc-initial	228	457	0.000154	0.000085	6	0	6	0.000154
281	yodai0-4n	ceal variants	448	269	0.000154	0.000075	6	0	6	0.000154
282	[yo]d[ao]i0-4[lrm | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4om	880	54	0.000154	0.000123	6	0	6	0.000154
283	om	oa	203	321	0.000154	0.000111	6	0	6	0.000154
284	c | c[s | fptk] + e4dy	a[lr][fptk]	1395	83	0.000154	0.000078	6	0	6	0.000154
285	cectey relatives	cte4[yo]	197	406	0.000154	0.000101	6	0	6	0.000154
286	o[lr]y	otce0-4y	318	281	0.000154	0.000095	6	0	6	0.000154
287	c | c[fptk] + e4o	ai4l	228	306	0.000154	0.000108	6	0	6	0.000154
288	[dlrsmg] + c | c[s | fptk] + e4dy	do	327	383	0.000154	0.000071	6	0	6	0.000154
289	ek[yoa]	otce0-4y	446	281	0.000154	0.000071	6	0	6	0.000154
290	o[fptk]c + e0-4y	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	753	230	0.000154	0.000040	6	0	6	0.000154
291	[dlrsmg]e0-4y	lc-initial	453	457	0.000154	0.000018	6	0	6	0.000154
292	[yo]e0-4[fp]e0-4[yo]	oi4[dlrsmg | n]	149	1124	0.000154	0.000044	6	0	6	0.000154
293	[yo][fptk | dlrsmg] + c | cs + e4o	kc-initial	113	322	0.000154	0.000130	6	0	6	0.000154
294	o[lr][oa]	ce4o	735	160	0.000154	0.000077	6	0	6	0.000154
295	o[lr]a	ce4o	469	160	0.000154	0.000105	6	0	6	0.000154
296	[dlrsmg | fptk] + ai4n	o[fptk] endings	1724	79	0.000154	0.000064	6	0	6	0.000154
297	do	[dlrsmg] + ai4r	383	190	0.000154	0.000106	6	0	6	0.000154
298	do	c | cs + e0-4[dlrsmg]	383	281	0.000154	0.000083	6	0	6	0.000154
299	okal variants	c | cs + e0-4d	544	89	0.000154	0.000122	6	0	6	0.000154
300	yodai0-4l	dai4n	143	1140	0.000154	0.000047	6	0	6	0.000154
301	o[fptk][ao]s	ai4[lr]	66	782	0.000154	0.000120	6	0	6	0.000154

302	qo variants	oke0-4y	59	1314	0.000154	0.000103	6	0	6	0.000154
303	o[fptk]ce4[lrsmg]	ai4[dlrsmg | n]	57	1519	0.000154	0.000097	6	0	6	0.000154
304	qo variants	[q | fptk | dlrsmg] + oi0-4[lr]	59	1819	0.000154	0.000083	6	0	6	0.000154
305	rai4n	o[fptk]ai4n	115	1598	0.000154	0.000033	6	0	6	0.000154
306	[fptk | dlrsmg] + c | c[s | fptk] + e4y	otce0-4dy	2060	172	0.000154	-0.000080	6	0	6	0.000154
307	cedar variants	ce4y	176	737	0.000154	0.000069	6	0	6	0.000154
308	cte4[yo]	old	406	225	0.000154	0.000094	6	0	6	0.000154
309	[dlrsmg | fptk] + oi4[dlrsmg | n]	[tk]e4o	809	206	0.000154	0.000044	6	0	6	0.000154
310	ceal variants	[yo]c[s | fptk]e4y	269	353	0.000154	0.000091	6	0	6	0.000154
311	ceal variants	[yo]ce4y + infixed versions	269	466	0.000154	0.000071	6	0	6	0.000154
312	ceal variants	cse4dy	269	585	0.000154	0.000050	6	0	6	0.000154
313	ceal variants	c[s | fptk]e4dy	269	622	0.000154	0.000044	6	0	6	0.000154
314	l[drs] Prefixes	ai4[dlrsmg]	95	930	0.000154	0.000096	6	0	6	0.000154
315	[tk]e4o	oda	206	847	0.000154	0.000039	6	0	6	0.000154
316	[tk]e4o	yodai0-4[lrm | n]	206	832	0.000154	0.000041	6	0	6	0.000154
317	[yo]te4o[dlrsmg]	do	341	383	0.000154	0.000068	6	0	6	0.000154
318	[tk]e4o	od[ao]i0-4[lrm | n]	206	813	0.000154	0.000044	6	0	6	0.000154
319	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	[yo][fptk]e4o	2246	88	0.000154	0.000024	6	0	6	0.000154
320	[tk]e4o	odai0-4[lrm | n]	206	767	0.000128	0.000024	5	0	5	0.000128
321	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	[yo]c + e4o Superclass	222	345	0.000128	0.000078	5	0	5	0.000128
322	ceal verbs	cse4dy	230	585	0.000128	0.000040	5	0	5	0.000128
323	ceal verbs	c[s | fptk]e4dy	230	622	0.000128	0.000034	5	0	5	0.000128
324	dai4m	so	130	378	0.000128	0.000096	5	0	5	0.000128
325	o[fptk]edai4n	[q | fptk | dlrsmg] + oi0-4[lr]	59	1819	0.000128	0.000058	5	0	5	0.000128
326	opai0-4n	ai4[dlrsmg]	26	930	0.000128	0.000112	5	0	5	0.000128
327	opai0-4n	ai4[dlrsmg | n]	26	1519	0.000128	0.000102	5	0	5	0.000128
328	[tk]e4o	ote4dy	206	509	0.000128	0.000059	5	0	5	0.000128
329	ceal variants	oc[fptk]e4y	269	289	0.000128	0.000077	5	0	5	0.000128
330	ceal variants	dc-initial	269	454	0.000128	0.000048	5	0	5	0.000128
331	o[fptk]edal	[q | fptk | dlrsmg] + oi0-4[lr]	40	1819	0.000128	0.000080	5	0	5	0.000128
332	oda	ckeo-initial	847	79	0.000128	0.000084	5	0	5	0.000128
333	cte4[yo]	o[lr]a	406	469	0.000128	0.000003	5	0	5	0.000128
334	oe4y	o[fptk]ai4n	66	1598	0.000128	0.000059	5	0	5	0.000128
335	okai0-4n	o[fptk]c + e0-4o	994	101	0.000128	0.000062	5	0	5	0.000128
336	o[fptk]ce4[lrsmg]	ai4[dlrsmg]	57	930	0.000128	0.000093	5	0	5	0.000128
337	o[fptk]ce4[lrsmg]	ai4[lr]	57	782	0.000128	0.000099	5	0	5	0.000128
338	c + e4dy	eko	3053	38	0.000128	0.000052	5	0	5	0.000128
339	otc + e4o	[q | fptk | dlrsmg] + oi0-4[lr]	44	1819	0.000128	0.000076	5	0	5	0.000128
340	oc[fptk]e4y	old	289	225	0.000128	0.000086	5	0	5	0.000128
341	oc[fptk]e4y	ote4dy	289	509	0.000128	0.000031	5	0	5	0.000128
342	ai0-4[dlrsmg][dlrsmg]	[yo]ce4y + s infixes	214	172	0.000128	0.000104	5	0	5	0.000128
343	opce0-4dy	[yo]e0-4[fp]e0-4[yo]	159	149	0.000128	0.000113	5	0	5	0.000128
344	oo + oe4o	[q | fptk | dlrsmg] + oi0-4[lr]	133	1819	0.000128	-0.000031	5	0	5	0.000128
345	ce0-4s	ote0-4y	165	731	0.000128	0.000049	5	0	5	0.000128
346	ce0-4s	ce4a	165	1009	0.000128	0.000019	5	0	5	0.000128
347	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	[yo]ke4ol	623	223	0.000128	0.000037	5	0	5	0.000128
348	[yo]ce4y + infixed versions	ote4dy	466	509	0.000128	-0.000028	5	0	5	0.000128
349	c[s | fptk]e4y	Consonant Clusters	887	115	0.000128	0.000061	5	0	5	0.000128
350	c[s | fptk]e4y	opce0-4dy	887	159	0.000128	0.000035	5	0	5	0.000128
351	cean nouns	[fptk | dlrsmg] + c | c[s | fptk] + e4or	43	733	0.000128	0.000108	5	0	5	0.000128
352	y + Non-[dlrs] Prefixes	[sr]c-Initial	205	179	0.000128	0.000104	5	0	5	0.000128
353	[fptk]ai4n	[fptk | dlrsmg] + c | c[s | fptk] + e4or	191	733	0.000128	0.000036	5	0	5	0.000128
354	[fptk]ai4n	dai4n	191	1140	0.000128	-0.000015	5	0	5	0.000128
355	dai4n	cedar variants	1140	176	0.000128	-0.000004	5	0	5	0.000128
356	[yo]d[ao]i0-4[lrm | n]	ckeo-initial	880	79	0.000128	0.000083	5	0	5	0.000128
357	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	[dlrsmg] + ai4[lr] + y-suffix	186	1035	0.000128	0.000001	5	0	5	0.000128
358	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	[dlrsmg | fptk] + ai4n	186	1724	0.000128	-0.000083	5	0	5	0.000128
359	lc-initial	oi4n Superset	457	257	0.000128	0.000051	5	0	5	0.000128
360	okal variants	Single-Letter Words	544	566	0.000128	-0.000075	5	0	5	0.000128
361	oi4n Superset	cse4dy	257	585	0.000128	0.000029	5	0	5	0.000128
362	oi4n Superset	c[s | fptk]e4dy	257	622	0.000128	0.000023	5	0	5	0.000128
363	[dlrsmg | fptk] + ai4n	ytai0-4n	1724	59	0.000128	0.000061	5	0	5	0.000128
364	[dlrsmg | fptk] + ai4n	o[fptk]e4os	1724	106	0.000128	0.000008	5	0	5	0.000128
365	[dlrsmg | fptk] + ai4n	c | cs + e0-4d	1724	89	0.000128	0.000027	5	0	5	0.000128
366	dai4n	o[tk]e4s	1140	98	0.000128	0.000055	5	0	5	0.000128
367	o[lr]a	[yo]ke4o	469	89	0.000128	0.000101	5	0	5	0.000128
368	[yo]ce4y + s infixes	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	172	1227	0.000128	-0.000011	5	0	5	0.000128
369	cse4y	oc[s | fptk]e4y	578	319	0.000128	0.000007	5	0	5	0.000128
370	cse4y	oc[fptk]e4y	578	289	0.000128	0.000018	5	0	5	0.000128
371	ofce0-4y	[dlrsmg | fptk] + ai4[dlrsmg | n]	23	3168	0.000128	0.000080	5	0	5	0.000128
372	o[fptk]c + e0-4y	[dlrsmg] + ai4r	753	190	0.000128	0.000034	5	0	5	0.000128
373	dl Consonant clusters	ea	79	1195	0.000128	0.000066	5	0	5	0.000128
374	dl Consonant clusters	ce4a	79	1009	0.000128	0.000076	5	0	5	0.000128
375	or[yoa]	olo	438	175	0.000128	0.000078	5	0	5	0.000128
376	olai0-4n	ol[tk]	126	621	0.000128	0.000077	5	0	5	0.000128
377	[dlrsmg]e0-4y	oe	453	463	0.000128	-0.000010	5	0	5	0.000128
378	ek[yoa]	cectey relatives	446	197	0.000128	0.000070	5	0	5	0.000128
379	oc[fpt]e4y	[yo]te4o[dlrsmg]	132	341	0.000128	0.000099	5	0	5	0.000128
380	o[fptk]c + e0-4o	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	101	230	0.000128	0.000113	5	0	5	0.000128
381	o[tk]e0-4y	otor variants	2042	113	0.000128	-0.000024	5	0	5	0.000128
382	[yo][fptk]e4o[dlrsmg]	[tk]e4dy	924	309	0.000128	-0.000060	5	0	5	0.000128
383	o[fptk]c + e0-4 + y | dy | o[dlrs]y	okc + e4o	1421	49	0.000128	0.000082	5	0	5	0.000128
384	oce4y + infixed versions	or[yoa]	379	438	0.000128	0.000019	5	0	5	0.000128
385	c | c[fptk] + e4o	ece polygraph	228	219	0.000128	0.000095	5	0	5	0.000128
386	o[fptk]ai4n	o[fptk]c + e0-4o	1598	101	0.000128	0.000022	5	0	5	0.000128
387	om	otc + e0-4 + y | dy | o[dlrs]y	203	493	0.000128	0.000062	5	0	5	0.000128
388	yce4y + infixed versions	[yo]tai0-4n	87	490	0.000128	0.000100	5	0	5	0.000128
389	[yo][fp]o	oi4[dlrsmg | n]	95	1124	0.000128	0.000058	5	0	5	0.000128
390	otce0-4dy	[dlrsmg]ai4[lr]	172	875	0.000128	0.000029	5	0	5	0.000128
391	o[fptk][ao]d	[yo][fptk]e4o[lr]	185	449	0.000128	0.000074	5	0	5	0.000128
392	cse4y	[yo]c[fptk]e4y	578	294	0.000128	0.000016	5	0	5	0.000128
393	[fptk]e0-4y	l[fptk] Prefixes	161	514	0.000128	0.000074	5	0	5	0.000128
394	[yo]ce4y + s infixes	[tk]e4o	172	206	0.000128	0.000105	5	0	5	0.000128
395	[yo][fptk]e4ol	ce4o	322	160	0.000128	0.000094	5	0	5	0.000128
396	[yo]tai0-4n	so	490	378	0.000128	0.000006	5	0	5	0.000128
397	yodai0-4n	ceal verbs	448	230	0.000128	0.000060	5	0	5	0.000128
398	odai0-4[lr]	o[fptk]c + e0-4ol	326	159	0.000128	0.000094	5	0	5	0.000128
399	o[fptk]e4dy	okam variants	1444	76	0.000128	0.000056	5	0	5	0.000128
400	odai0-4l	dai4n	133	1140	0.000128	0.000028	5	0	5	0.000128
401	e[tk]o	otol variants	60	239	0.000128	0.000119	5	0	5	0.000128
402	[yo]dy endings	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	1228	186	0.000128	-0.000022	5	0	5	0.000128
403	cse4y	qo variants	578	59	0.000128	0.000106	5	0	5	0.000128
404	cse4y	opce0-4dy	578	159	0.000128	0.000068	5	0	5	0.000128

405	c[s | fptk]e4y	olo	887	175	0.000128	0.000026	5	0	5	0.000128
406	[yo]ke4o	lc-initial	89	457	0.000128	0.000102	5	0	5	0.000128
407	dc-initial	[yo]ke4od	454	207	0.000128	0.000066	5	0	5	0.000128
408	[yo]c[fptk]e4y	old	294	225	0.000128	0.000085	5	0	5	0.000128
409	[yo]c[fptk]e4y	ote4dy	294	509	0.000128	0.000030	5	0	5	0.000128
410	c[fptk]e4y	[yo]ke4o[lr]	310	319	0.000128	0.000063	5	0	5	0.000128
411	[yo][fp][yoa]	ai4l	339	306	0.000128	0.000060	5	0	5	0.000128
412	[yo][fp][yoa]	ce4y	339	737	0.000128	-0.000036	5	0	5	0.000128
413	o[fptk]ai4n	[yo][fptk | dlrsmg] + c | cs + e4o	1598	113	0.000128	0.000009	5	0	5	0.000128
414	od[ao]i0-4[lr]	o[fptk]c + e0-4ol	369	159	0.000128	0.000090	5	0	5	0.000128
415	yce4y + infixed versions	otai0-4n	87	430	0.000128	0.000104	5	0	5	0.000128
416	oy	[tk]e4o	141	206	0.000128	0.000109	5	0	5	0.000128
417	o[fptk]c + e0-4y	cectey relatives	753	197	0.000128	0.000031	5	0	5	0.000128
418	o[fptk]c + e0-4y	okc + e4o	753	49	0.000128	0.000104	5	0	5	0.000128
419	opai0-4n	ai4[dlrsmg]	29	930	0.000128	0.000111	5	0	5	0.000128
420	opai0-4n	ai4[dlrsmg | n]	29	1519	0.000128	0.000099	5	0	5	0.000128
421	oc[s | fptk]e4y	ote4dy	319	509	0.000128	0.000021	5	0	5	0.000128
422	[dlrsmg | fptk]e0-4y	ai0-4[dlrsmg][dlrsmg]	735	214	0.000128	0.000025	5	0	5	0.000128
423	[dlrsmg | fptk]e0-4y	rai4n	735	115	0.000128	0.000073	5	0	5	0.000128
424	[yo]d[ao]i0-4[lr]	o[fptk]c + e0-4ol	393	159	0.000128	0.000087	5	0	5	0.000128
425	e-initial	ai4n	68	589	0.000128	0.000102	5	0	5	0.000128
426	rc-initial	[fptk | dlrsmg] + c | c[s | fptk] + e4or	76	733	0.000128	0.000092	5	0	5	0.000128
427	[dlrsmg]ai4[lr]	cse4o	875	205	0.000128	0.000010	5	0	5	0.000128
428	[dlrsmg]ai4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4os	875	158	0.000128	0.000037	5	0	5	0.000128
429	oc[fptk]e4y	or[yoa]	289	438	0.000128	0.000045	5	0	5	0.000128
430	oly	so	222	378	0.000128	0.000073	5	0	5	0.000128
431	oc[fpt]e4y	ote4dy	132	509	0.000128	0.000084	5	0	5	0.000128
432	oly	otc + e0-4 + y | dy | o[dlrs]y	222	493	0.000128	0.000056	5	0	5	0.000128
433	[yo][fptk]e4od	okc + e0-4 + y | dy | o[dlrs]y	355	563	0.000128	-0.000003	5	0	5	0.000128
434	[yo]ke4o[lr]	ce4o	319	160	0.000128	0.000095	5	0	5	0.000128
435	oe	oe4y	463	66	0.000128	0.000108	5	0	5	0.000128
436	ai4l	y + Non-[dlrs] Prefixes	306	205	0.000128	0.000087	5	0	5	0.000128
437	ai4l	ek[yoa]	306	446	0.000128	0.000038	5	0	5	0.000128
438	[fptk] + c | c[s | fptk] + e4dy	okar variants	196	493	0.000128	0.000065	5	0	5	0.000128
439	[yo][fptk]e4od	okce0-4y	355	338	0.000128	0.000049	5	0	5	0.000128
440	ai4n	oly	589	222	0.000128	0.000042	5	0	5	0.000128
441	ko	oe0-4s	179	632	0.000128	0.000054	5	0	5	0.000128
442	cear variants	ek[yo]	365	255	0.000128	0.000067	5	0	5	0.000128
443	[yo]d[ao]i0-4l	ote0-4y	165	731	0.000128	0.000049	5	0	5	0.000128
444	dairol/soral relatives	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	190	1227	0.000128	-0.000025	5	0	5	0.000128
445	pc-initial	o[fptk]c + e0-4or	307	135	0.000128	0.000101	5	0	5	0.000128
446	pc-initial	[yo]tai0-4n	307	490	0.000128	0.000029	5	0	5	0.000128
447	ai4n	cedaiin variants	589	189	0.000128	0.000055	5	0	5	0.000128
448	[fp]c-Initial	ofc + e0-4 + y | dy | o[dlrs]y	387	65	0.000128	0.000112	5	0	5	0.000128
449	otc + e0-4 + y | dy | o[dlrs]y	o[fptk]c + e0-4ol	493	159	0.000128	0.000077	5	0	5	0.000128
450	[yo]c[s | fptk]e4y	ote4dy	353	509	0.000128	0.000010	5	0	5	0.000128
451	okce0-4y	ko	338	179	0.000128	0.000089	5	0	5	0.000128
452	[fp]c-Initial	ek[yoa]	387	446	0.000128	0.000015	5	0	5	0.000128
453	ke4o	[dlrsmg | fptk] + ai4[dlrsmg]	137	1444	0.000128	-0.000002	5	0	5	0.000128
454	ke4o	dai4n	137	1140	0.000128	0.000025	5	0	5	0.000128
455	o[fptk]e4dy	o[fptk]edal	1444	40	0.000128	0.000090	5	0	5	0.000128
456	oe4y	ke4o	66	137	0.000128	0.000122	5	0	5	0.000128
457	c[fptk]e4o-initial & c[fptk]e4y Superclass	ol + c | cs + e4o[lr]	1659	34	0.000128	0.000091	5	0	5	0.000128
458	cear verbs	ek[yo]	303	255	0.000128	0.000077	5	0	5	0.000128
459	[yo]te4o	[dlrsmg | fptk] + ai4n	49	1724	0.000128	0.000073	5	0	5	0.000128
460	oc[s | fptk]e4y	or[yoa]	319	438	0.000128	0.000036	5	0	5	0.000128
461	te4o	o[fptk]e4dy	75	1444	0.000128	0.000057	5	0	5	0.000128
462	oi4[dlrsmg | n]	oy	1124	141	0.000128	0.000024	5	0	5	0.000128
463	cear nouns	ai4[dlrsmg | n]	62	1519	0.000128	0.000066	5	0	5	0.000128
464	[yo]d[ao]i0-4n	ceal verbs	450	230	0.000128	0.000060	5	0	5	0.000128
465	otal variants	oe0-4s	333	632	0.000128	-0.000010	5	0	5	0.000128
466	otal variants	do	333	383	0.000128	0.000044	5	0	5	0.000128
467	oi	cse4dy	304	585	0.000128	0.000011	5	0	5	0.000128
468	om + o[fptk | dlrsmg]am	yc + e4o	454	38	0.000128	0.000117	5	0	5	0.000128
469	cedai4[lrsm | n]	[yo]d[ao]i0-4l	527	165	0.000128	0.000071	5	0	5	0.000128
470	cedai4[lrsm | n]	od[ao]i0-4l	527	154	0.000128	0.000075	5	0	5	0.000128
471	Single-Letter Words	otar variants	566	345	0.000128	0.000000	5	0	5	0.000128
472	ai4[dlrsmg]	[yo]c[fptk]e4y	930	294	0.000128	-0.000052	5	0	5	0.000128
473	ai4[dlrsmg]	yce4y + infixed versions	930	87	0.000128	0.000075	5	0	5	0.000128
474	a[lr][fptk]	[dlrsmg | fptk] + ai4[dlrsmg]	83	1444	0.000128	0.000049	5	0	5	0.000128
475	ceal verbs	ceam variants	230	76	0.000128	0.000117	5	0	5	0.000128
476	ceal verbs	ceam verbs	230	61	0.000128	0.000119	5	0	5	0.000128
477	cte4y	ol[ds]	186	315	0.000128	0.000090	5	0	5	0.000128
478	[yo]c[fp]	y-initial	62	1926	0.000128	0.000050	5	0	5	0.000128
479	[yo]c[fp]	y[fptk]-initial	62	1295	0.000128	0.000075	5	0	5	0.000128
480	yce4y + s infixes	[yo]tai0-4n	82	490	0.000128	0.000102	5	0	5	0.000128
481	yce4y + s infixes	otai0-4n	82	430	0.000128	0.000105	5	0	5	0.000128
482	ai4r	et[yo]	483	115	0.000128	0.000092	5	0	5	0.000128
483	ece polygraph	ai4r	219	483	0.000128	0.000059	5	0	5	0.000128
484	okc + e0-4 + y | dy | o[dlrs]y	ko	563	179	0.000128	0.000062	5	0	5	0.000128
485	od endings	yodai0-4n	243	448	0.000128	0.000057	5	0	5	0.000128
486	od endings	odai0-4n	243	408	0.000128	0.000063	5	0	5	0.000128
487	od endings	[yo]d[ao]i0-4n	243	450	0.000128	0.000056	5	0	5	0.000128
488	od endings	o[fptk]c + e4ody	243	75	0.000128	0.000116	5	0	5	0.000128
489	od endings	od[ao]i0-4n	243	410	0.000128	0.000063	5	0	5	0.000128
490	ce4y	old	737	225	0.000128	0.000019	5	0	5	0.000128
491	cte4y	[yo][fptk]e4o[lr]	186	449	0.000128	0.000073	5	0	5	0.000128
492	yodai0-4[lr]	o[fptk]c + e0-4ol	348	159	0.000128	0.000092	5	0	5	0.000128
493	c[fptk]c polygraph	ote0-4y	99	731	0.000128	0.000081	5	0	5	0.000128
494	cean verbs	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	213	623	0.000128	0.000041	5	0	5	0.000128
495	Single-Letter Words	dcedy relatives	566	85	0.000128	0.000097	5	0	5	0.000128
496	[yo]kai0-4n	o[fptk]c + e0-4o	1067	101	0.000128	0.000057	5	0	5	0.000128
497	otar variants	otam variants	345	88	0.000128	0.000108	5	0	5	0.000128
498	otar variants	od endings + odcey relatives	345	275	0.000128	0.000066	5	0	5	0.000128
499	[fptk][yo]lc	o[tk]e0-4y	53	2042	0.000128	0.000057	5	0	5	0.000128
500	[fptk][yo]lc	oke4dy	53	933	0.000128	0.000096	5	0	5	0.000128
501	cteo-initial	cse4y	220	578	0.000128	0.000045	5	0	5	0.000128
502	[fptk]ai4n	[yo]tai0-4n	191	490	0.000128	0.000067	5	0	5	0.000128
503	[fptk]ai4n	[dlrsmg | fptk] + ai4n	191	1724	0.000128	-0.000089	5	0	5	0.000128
504	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	otce0-4dy	445	172	0.000128	0.000078	5	0	5	0.000128
505	ce4a	o[fptk][ao]d	1009	185	0.000128	0.000005	5	0	5	0.000128
506	[yo]te4os	a[lr][ao][lr]	60	391	0.000128	0.000113	5	0	5	0.000128
507	[yo]te4os	[ao][lr][ao][lr] Pipe/Flow	60	843	0.000128	0.000095	5	0	5	0.000128

508	[yo]po	oi4[dlrsmg | n]	70	1124	0.000128	0.000077	5	0	5	0.000128
509	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	oo + oe4o	445	133	0.000128	0.000089	5	0	5	0.000128
510	lc-initial	oi	457	304	0.000128	0.000037	5	0	5	0.000128
511	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	o[fptk]c + e0-4 + y | dy | o[dlrs]y	28	1421	0.000128	0.000102	5	0	5	0.000128
512	[yo][fp]ai0-4[rn]	o[lr][yoa]	111	1044	0.000128	0.000052	5	0	5	0.000128
513	oi4n Superset	ek[yo]	257	255	0.000128	0.000085	5	0	5	0.000128
514	oi4n Superset	eky	257	217	0.000128	0.000092	5	0	5	0.000128
515	olai0-4n	[yo][fptk]e4ol	126	322	0.000128	0.000102	5	0	5	0.000128
516	olai0-4n	[yo][fptk]e4o[lr]	126	449	0.000128	0.000091	5	0	5	0.000128
517	ece Noun	[dlrsmg] + ai4[lr] + y-suffix	142	1035	0.000128	0.000031	5	0	5	0.000128
518	ece Noun	[dlrsmg]ai4[lr]	142	875	0.000128	0.000046	5	0	5	0.000128
519	od[ao]i0-4l	ote0-4y	154	731	0.000128	0.000054	5	0	5	0.000128
520	cte4y	old	186	225	0.000128	0.000101	5	0	5	0.000128
521	oi	ek[yo]	304	255	0.000128	0.000077	5	0	5	0.000128
522	oi	eky	304	217	0.000128	0.000085	5	0	5	0.000128
523	cedai4[lrsm | n]	oc[fpt]e4y	527	132	0.000128	0.000083	5	0	5	0.000128
524	oce4y + infixed versions	ote4dy	379	509	0.000128	0.000001	5	0	5	0.000128
525	oce4y + infixed versions	opc + e0-4 + y | dy | o[dlrs]y	379	302	0.000128	0.000053	5	0	5	0.000128
526	o-axis of [yo][fptk][ao][lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4os	764	158	0.000128	0.000049	5	0	5	0.000128
527	[yo]ce4y + infixed versions	opce0-4y	466	111	0.000128	0.000094	5	0	5	0.000128
528	ol[yoa]	c | c[fptk] + e4o	614	228	0.000128	0.000036	5	0	5	0.000128
529	[fptk]e0-4y	a-axis of [yo][fptk][ao][lr]	161	1731	0.000128	-0.000055	5	0	5	0.000128
530	ol[oa]	[yo][fptk]e4o	401	88	0.000128	0.000105	5	0	5	0.000128
531	ai4[dlrsmg | n]	c[fptk]c polygraph	1519	99	0.000128	0.000029	5	0	5	0.000128
532	ai4[dlrsmg | n]	o[fptk]ody	1519	85	0.000128	0.000043	5	0	5	0.000128
533	ai4[dlrsmg | n]	ady	1519	36	0.000128	0.000092	5	0	5	0.000128
534	ai4[lr]	et[yo]	782	115	0.000128	0.000069	5	0	5	0.000128
535	ai4[lr]	o[dlrs]ce4y Superset	782	196	0.000128	0.000027	5	0	5	0.000128
536	ai4[lr]	olcey relatives (non -edy)	782	138	0.000128	0.000057	5	0	5	0.000128
537	ai4[dlrsmg | n]	olcey relatives (non -edy)	1519	138	0.000128	-0.000010	5	0	5	0.000128
538	om + o[fptk | dlrsmg]am	yce4y + s infixes	454	82	0.000128	0.000104	5	0	5	0.000128
539	[dlrsmg]e0-4y	olcey relative	453	277	0.000128	0.000046	5	0	5	0.000128
540	ke4dy	dai4n	217	1140	0.000128	-0.000035	5	0	5	0.000128
541	c | cs + e0-4l	[dlrsmg | fptk]e0-4y	64	735	0.000128	0.000097	5	0	5	0.000128
542	o[fptk][ao]s	oe0-4s	66	632	0.000128	0.000101	5	0	5	0.000128
543	otai0-4n	so	430	378	0.000128	0.000021	5	0	5	0.000128
544	dai4n	o[fptk] endings	1140	79	0.000128	0.000069	5	0	5	0.000128
545	ce4a	[yo]te4ol	1009	99	0.000128	0.000063	5	0	5	0.000128
546	osa	o[lr][yoa]	66	1044	0.000128	0.000083	5	0	5	0.000128
547	otai0-4n	o[fptk]c + e0-4ol	430	159	0.000128	0.000083	5	0	5	0.000128
548	ek[yo]	otol variants	255	239	0.000128	0.000088	5	0	5	0.000128
549	o[fptk][dlrsmg]	[dlrsmg | fptk] + oi4[dlrsmg | n]	68	809	0.000128	0.000092	5	0	5	0.000128
550	o[fptk | dlrsmg][ao]m	oa	280	321	0.000128	0.000069	5	0	5	0.000128
551	oy + oe4y	[fptk]e0-4y	207	161	0.000128	0.000106	5	0	5	0.000128
552	ek[yo]	o[lr]y	255	318	0.000128	0.000075	5	0	5	0.000128
553	ai0-4[dlrsmg][dlrsmg]	[tk]c-Initial	214	667	0.000128	0.000034	5	0	5	0.000128
554	ai4[lr]	olcey relative	782	277	0.000128	-0.000015	5	0	5	0.000128
555	odo	ea	57	1195	0.000128	0.000083	5	0	5	0.000128
556	[yo]doi0-4[lrm | n]	ea	48	1195	0.000128	0.000091	5	0	5	0.000128
557	ai4[dlrsmg | n]	yc + e4o	1519	38	0.000128	0.000090	5	0	5	0.000128
558	ai4[dlrsmg | n]	yodai0-4l	1519	143	0.000128	-0.000015	5	0	5	0.000128
559	ai4[dlrsmg | n]	otce0-4y	1519	281	0.000128	-0.000153	5	0	5	0.000128
560	ai4[dlrsmg | n]	[yo]d[ao]i0-4l	1519	165	0.000128	-0.000037	5	0	5	0.000128
561	ai4[lr]	oc[s | fptk]e4y	782	319	0.000128	-0.000036	5	0	5	0.000128
562	ceal variants	ocke4y	269	162	0.000128	0.000100	5	0	5	0.000128
563	ceal variants	ceam variants	269	76	0.000128	0.000115	5	0	5	0.000128
564	ceal variants	ceam verbs	269	61	0.000128	0.000118	5	0	5	0.000128
565	l[drs] Prefixes	ai4[lr]	95	782	0.000128	0.000079	5	0	5	0.000128
566	okai0-4n	[yo][fptk | dlrsmg] + c | cs + e4o	994	113	0.000128	0.000054	5	0	5	0.000128
567	l[drs] Prefixes	ai4n	95	589	0.000128	0.000092	5	0	5	0.000128
568	om + o[fptk | dlrsmg]am	yc + e4or	454	34	0.000128	0.000118	5	0	5	0.000128
569	om + o[fptk | dlrsmg]am	yce4y + infixed versions	454	87	0.000128	0.000102	5	0	5	0.000128
570	olcey relative	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	277	519	0.000128	0.000034	5	0	5	0.000128
571	l[fptk] Prefixes	om + o[fptk | dlrsmg]am	514	454	0.000128	-0.000026	5	0	5	0.000128
572	o[fptk]o	o-axis of [yo][fptk][ao][lr]	51	764	0.000128	0.000103	5	0	5	0.000128
573	ceal variants	oce4y + infixed versions	269	379	0.000128	0.000061	5	0	5	0.000128
574	ceal variants	[yo]c[fptk]e4y	269	294	0.000128	0.000076	5	0	5	0.000128
575	ceal variants	oc[s | fptk]e4y	269	319	0.000128	0.000072	5	0	5	0.000128
576	ykai0-4n	c + c[s | fptk]e4y	73	1624	0.000128	0.000050	5	0	5	0.000128
577	oi4n	ce4y	58	737	0.000128	0.000100	5	0	5	0.000128
578	okar variants	oly	493	222	0.000128	0.000056	5	0	5	0.000128
579	[yo]doi0-4[lr]	ea	45	1195	0.000128	0.000093	5	0	5	0.000128
580	oe4y	[yo]kai0-4n	66	1067	0.000128	0.000082	5	0	5	0.000128
581	oe4y	okai0-4n	66	994	0.000128	0.000085	5	0	5	0.000128
582	odai0-4n	ceal verbs	408	230	0.000128	0.000067	5	0	5	0.000128
583	sai4n	o[fptk]e4os	258	106	0.000128	0.000110	5	0	5	0.000128
584	ce4a	ola	1009	228	0.000128	-0.000023	5	0	5	0.000128
585	ceam verbs	[yo]c + e4o Superclass	61	345	0.000128	0.000115	5	0	5	0.000128
586	otol variants	otce0-4y	239	281	0.000128	0.000084	5	0	5	0.000128
587	[fptk][yo]lc	oke0-4y	53	1314	0.000128	0.000082	5	0	5	0.000128
588	[fptk][yo]lc	[yo][fptk][ao][lr]	53	2688	0.000128	0.000034	5	0	5	0.000128
589	odcey relatives	ed[yoa]	34	5851	0.000128	-0.000003	5	0	5	0.000128
590	ai4n	okce0-4y	589	338	0.000128	-0.000003	5	0	5	0.000128
591	ai4n	o[lr]y	589	318	0.000128	0.000005	5	0	5	0.000128
592	[yo][fptk]e4od	ol[ds]	355	315	0.000128	0.000055	5	0	5	0.000128
593	ai4n	okc + e0-4 + y | dy | o[dlrs]y	589	563	0.000128	-0.000090	5	0	5	0.000128
594	ai4l	[fptk]e0-4y	306	161	0.000128	0.000096	5	0	5	0.000128
595	o[tk][ao]s	ai4[lr]	58	782	0.000128	0.000099	5	0	5	0.000128
596	ceam variants	[yo]c + e4o Superclass	76	345	0.000128	0.000111	5	0	5	0.000128
597	ai4n	c[s | fptk]e4dy	589	622	0.000128	-0.000113	5	0	5	0.000128
598	[fp]c-Initial	odai0-4r	387	193	0.000128	0.000079	5	0	5	0.000128
599	[fp]c-Initial	yodai0-4r	387	205	0.000128	0.000076	5	0	5	0.000128
600	[fp]c-Initial	od[ao]i0-4r	387	215	0.000128	0.000074	5	0	5	0.000128
601	[fp]c-Initial	o[fptk]c + e0-4or	387	135	0.000128	0.000094	5	0	5	0.000128
602	[fp]c-Initial	[yo]tai0-4n	387	490	0.000128	0.000003	5	0	5	0.000128
603	[fp]c-Initial	ol[yo]	387	388	0.000128	0.000029	5	0	5	0.000128
604	[fp]c-Initial	[yo]d[ao]i0-4r	387	228	0.000128	0.000070	5	0	5	0.000128
605	cear variants	o[fptk]e4dy	365	1444	0.000128	-0.000219	5	0	5	0.000128
606	ce4dy	ce4y	755	737	0.000128	-0.000239	5	0	5	0.000128
607	ce4ai4n	o[lr]a	271	469	0.000128	0.000045	5	0	5	0.000128
608	[fptk | dlrsmg] + c | c[s | fptk] + e4o	[fptk]ai4n	503	191	0.000128	0.000065	5	0	5	0.000128
609	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	otce0-4dy	519	172	0.000128	0.000070	5	0	5	0.000128
610	[yo]kai0-4n	[yo][fptk | dlrsmg] + c | cs + e4o	1067	113	0.000128	0.000049	5	0	5	0.000128

611	od[ao]i0-4n	ceal verbs	410	230	0.000128	0.000066	5	0	5	0.000128
612	[fptk][dlrs] Prefixes	[q | fptk | dlrsmg] + oi0-4[lr]	34	1819	0.000128	0.000088	5	0	5	0.000128
613	ai4[dlrsmg]	olcey relative	930	277	0.000128	-0.000042	5	0	5	0.000128
614	[yo][fp]a	ai4l	200	306	0.000128	0.000088	5	0	5	0.000128
615	ai4[dlrsmg]	olcey relatives (non -edy)	930	138	0.000128	0.000044	5	0	5	0.000128
616	ai4[dlrsmg]	a[dlrsmg]c	930	91	0.000128	0.000073	5	0	5	0.000128
617	ai4[dlrsmg]	et[yo]	930	115	0.000128	0.000058	5	0	5	0.000128
618	ai4[dlrsmg]	[yo]te4od	930	149	0.000128	0.000037	5	0	5	0.000128
619	ai4[dlrsmg]	[yo]c + e4dy	930	110	0.000128	0.000061	5	0	5	0.000128
620	pc-initial	ofc + e0-4 + y | dy | o[dlrs]y	307	65	0.000128	0.000115	5	0	5	0.000128
621	ol[tk]	otce0-4y	621	281	0.000128	0.000013	5	0	5	0.000128
622	ai4r	[yo]c[s | fptk]e4y	483	353	0.000128	0.000016	5	0	5	0.000128
623	cteo-initial	so	220	378	0.000128	0.000074	5	0	5	0.000128
624	od endings + odcey relatives	o[fptk]c + e4ody	275	75	0.000128	0.000115	5	0	5	0.000128
625	ai4l	cse4y	306	578	0.000128	0.000012	5	0	5	0.000128
626	oke0-4y	ce4o	1314	160	0.000128	-0.000010	5	0	5	0.000128
627	otce0-4y	[fptk]e0-4y	281	161	0.000128	0.000099	5	0	5	0.000128
628	oke0-4y	te4o	1314	75	0.000128	0.000063	5	0	5	0.000128
629	oke0-4y	[yo]ke4os	1314	46	0.000103	0.000063	4	0	4	0.000103
630	okc + e0-4 + y | dy | o[dlrs]y	o[tk][lr]	563	28	0.000103	0.000092	4	0	4	0.000103
631	okc + e0-4 + y | dy | o[dlrs]y	o[fptk][dlrsmg]	563	68	0.000103	0.000077	4	0	4	0.000103
632	ai4l	tc-initial	306	345	0.000103	0.000033	4	0	4	0.000103
633	ai4l	olcey relative	306	277	0.000103	0.000047	4	0	4	0.000103
634	ai4l	o[lr]a	306	469	0.000103	0.000008	4	0	4	0.000103
635	okol variants	otar variants	285	345	0.000103	0.000038	4	0	4	0.000103
636	eky	okol variants	217	285	0.000103	0.000062	4	0	4	0.000103
637	o[lr][yoa]	ope0-4y	1044	34	0.000103	0.000079	4	0	4	0.000103
638	o[lr][yoa]	oe4y	1044	66	0.000103	0.000057	4	0	4	0.000103
639	od endings + odcey relatives	otol variants	275	239	0.000103	0.000059	4	0	4	0.000103
640	cteo-initial	okol variants	220	285	0.000103	0.000061	4	0	4	0.000103
641	cteo-initial	o[lr]a	220	469	0.000103	0.000035	4	0	4	0.000103
642	yce4y + s infixes	[tk]e4o	82	206	0.000103	0.000092	4	0	4	0.000103
643	ai4r	om	483	203	0.000103	0.000038	4	0	4	0.000103
644	ai4r	oc[s | fptk]e4y	483	319	0.000103	0.000001	4	0	4	0.000103
645	ai4r	ety	483	93	0.000103	0.000073	4	0	4	0.000103
646	ol[ds]	ol[tk]	315	621	0.000103	-0.000026	4	0	4	0.000103
647	ol[ds]	olk	315	557	0.000103	-0.000013	4	0	4	0.000103
648	ofc + e0-4 + y | dy | o[dlrs]y	dai4n	65	1140	0.000103	0.000054	4	0	4	0.000103
649	[yo][fptk]e4o	Single-Letter Words	88	566	0.000103	0.000070	4	0	4	0.000103
650	[yo][fptk]e4o	c[fptk]e4y	88	310	0.000103	0.000085	4	0	4	0.000103
651	ai4[dlrsmg]	ady	930	36	0.000103	0.000081	4	0	4	0.000103
652	ai4[dlrsmg]	ocke4y	930	162	0.000103	0.000003	4	0	4	0.000103
653	[yo]ke4od	okc + e0-4 + y | dy | o[dlrs]y	207	563	0.000103	0.000026	4	0	4	0.000103
654	[yo]ke4od	okar variants	207	493	0.000103	0.000035	4	0	4	0.000103
655	[yo]ke4od	okce0-4y	207	338	0.000103	0.000057	4	0	4	0.000103
656	[yo][fptk]e4od	old	355	225	0.000103	0.000050	4	0	4	0.000103
657	[yo][fptk]e4od	opai0-4n	355	26	0.000103	0.000097	4	0	4	0.000103
658	[yo]te4od	[yo]kai0-4n	149	1067	0.000103	-0.000002	4	0	4	0.000103
659	[yo]te4od	okai0-4n	149	994	0.000103	0.000005	4	0	4	0.000103
660	cpe4[yo]	oy	94	141	0.000103	0.000094	4	0	4	0.000103
661	cpe4[yo]	oy + oe4y	94	207	0.000103	0.000090	4	0	4	0.000103
662	cpe4[yo]	[dlrsmg]ai4[lr]	94	875	0.000103	0.000048	4	0	4	0.000103
663	e[fp][yoa]	oi4[dlrsmg | n]	79	1124	0.000103	0.000044	4	0	4	0.000103
664	ai4[dlrsmg]	oc[fptk]e4y	930	289	0.000103	-0.000075	4	0	4	0.000103
665	ai4[dlrsmg]	yc + e4o	930	38	0.000103	0.000079	4	0	4	0.000103
666	[fptk][dlrs] Prefixes	oi4[dlrsmg | n]	34	1124	0.000103	0.000078	4	0	4	0.000103
667	ote0-4y	om	731	203	0.000103	0.000005	4	0	4	0.000103
668	oce4y	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	60	2246	0.000103	0.000014	4	0	4	0.000103
669	okc + e0-4 + y | dy | o[dlrs]y	opai0-4n	563	26	0.000103	0.000093	4	0	4	0.000103
670	yodai0-4[lr]	g	348	132	0.000103	0.000072	4	0	4	0.000103
671	aro[dlrsmg]	oe	105	463	0.000103	0.000071	4	0	4	0.000103
672	[yo][fptk]e4od + y	okc + e0-4 + y | dy | o[dlrs]y	284	563	0.000103	-0.000003	4	0	4	0.000103
673	odai0-4[lrm | n]	okc + e4o	767	49	0.000103	0.000078	4	0	4	0.000103
674	odai0-4[lrm | n]	oo	767	62	0.000103	0.000071	4	0	4	0.000103
675	odai0-4[lrm | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4om	767	54	0.000103	0.000075	4	0	4	0.000103
676	od[ao]i0-4r	ce4o	215	160	0.000103	0.000080	4	0	4	0.000103
677	ce4dy	[yo]te4or	755	31	0.000103	0.000087	4	0	4	0.000103
678	ce4dy	[fptk]e0-4y	755	161	0.000103	0.000023	4	0	4	0.000103
679	ce4dy	a[lr][fptk]	755	83	0.000103	0.000061	4	0	4	0.000103
680	[dlrsmg] + ai4r	otar variants	190	345	0.000103	0.000059	4	0	4	0.000103
681	[dlrsmg] + ai4r	oa	190	321	0.000103	0.000063	4	0	4	0.000103
682	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	y-initial	28	1926	0.000103	0.000067	4	0	4	0.000103
683	oi4n	ote0-4y	58	731	0.000103	0.000075	4	0	4	0.000103
684	[fp]c-Initial	otai0-4n	387	430	0.000103	-0.000007	4	0	4	0.000103
685	[fp]c-Initial	[fptk]ai4n	387	191	0.000103	0.000054	4	0	4	0.000103
686	[fp]c-Initial	[yo][fp]a	387	200	0.000103	0.000052	4	0	4	0.000103
687	[fp]c-Initial	ofc + e4 + y | dy | o + [lr] Superset	387	75	0.000103	0.000084	4	0	4	0.000103
688	c + e4 + [fptk]c Nouns	[dlrsmg | fptk] + ai4[dlrsmg | n]	18	3168	0.000103	0.000065	4	0	4	0.000103
689	pc-initial	[yo][fptk]e4o[dlrsmg]	307	924	0.000103	-0.000084	4	0	4	0.000103
690	ce4o	lc-initial	160	457	0.000103	0.000055	4	0	4	0.000103
691	[fptk | dlrsmg] + c | c[s | fptk] + e4or	[yo]ke4or	733	96	0.000103	0.000056	4	0	4	0.000103
692	[fptk | dlrsmg] + c | c[s | fptk] + e4or	c-sequence + e4 + [fptk] + e4 + y	733	101	0.000103	0.000054	4	0	4	0.000103
693	c[fptk]e4dy	o[lr][yoa]	37	1044	0.000103	0.000077	4	0	4	0.000103
694	[tk]c-Initial	[tk]y	667	52	0.000103	0.000080	4	0	4	0.000103
695	[tk]c-Initial	okor variants	667	122	0.000103	0.000049	4	0	4	0.000103
696	[tk]c-Initial	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	667	186	0.000103	0.000021	4	0	4	0.000103
697	[tk]c-Initial	[yo]ke4od	667	207	0.000103	0.000012	4	0	4	0.000103
698	ai4n	ek[yo]	589	255	0.000103	0.000004	4	0	4	0.000103
699	ai4n	[yo]ke4od	589	207	0.000103	0.000022	4	0	4	0.000103
700	ai4n	cse4dy	589	585	0.000103	-0.000125	4	0	4	0.000103
701	odcey relatives	o[fptk]c + e0-4 + y | dy | o[dlrs]y	34	1421	0.000103	0.000071	4	0	4	0.000103
702	ce4a	yce4y + s infixes	1009	82	0.000103	0.000048	4	0	4	0.000103
703	otc + e4ody	o[fptk]c + e0-4 + y | dy | o[dlrs]y	29	1421	0.000103	0.000076	4	0	4	0.000103
704	oa	cectey relatives	321	197	0.000103	0.000061	4	0	4	0.000103
705	[yo][fptk]ce4d	y-initial	42	1926	0.000103	0.000049	4	0	4	0.000103
706	[yo][fptk]ce4d	y[fptk]-initial	42	1295	0.000103	0.000067	4	0	4	0.000103
707	odai0-4n	otal variants	408	333	0.000103	0.000013	4	0	4	0.000103
708	odai0-4n	ek[yo]	408	255	0.000103	0.000034	4	0	4	0.000103
709	[yo][fptk]e4od + y	ol[ds]	284	315	0.000103	0.000044	4	0	4	0.000103
710	y[fptk]-initial	opal variants	1295	42	0.000103	0.000067	4	0	4	0.000103
711	c[fptk]e4o-initial & c[fptk]e4y Superclass	opai0-4n	1659	26	0.000103	0.000074	4	0	4	0.000103
712	c[fptk]e4o-initial & c[fptk]e4y Superclass	e[tk]o	1659	60	0.000103	0.000037	4	0	4	0.000103
713	c[fptk]e4o-initial & c[fptk]e4y Superclass	opai0-4n	1659	29	0.000103	0.000071	4	0	4	0.000103

714	c[fptk]e4o-initial & c[fptk]e4y Superclass	[yo][fp]ai0-4[rn]	1659	111	0.000103	-0.000019	4	0	4	0.000103
715	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	519	230	0.000103	0.000024	4	0	4	0.000103
716	dai4m	[yo]c + e4o Superclass	130	345	0.000103	0.000073	4	0	4	0.000103
717	cear verbs	o[fptk]e4dy	303	1444	0.000103	-0.000186	4	0	4	0.000103
718	sai4n	ai4r	258	483	0.000103	0.000021	4	0	4	0.000103
719	opor variants	c + c[s | fptk]e4y	25	1624	0.000103	0.000076	4	0	4	0.000103
720	oe4y	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	66	2246	0.000103	0.000005	4	0	4	0.000103
721	c[fptk]e4o-initial & c[fptk]e4y Superclass	o[fptk]c + e4od	1659	21	0.000103	0.000080	4	0	4	0.000103
722	[yo]doi0-4[lr]	ce4a	45	1009	0.000103	0.000073	4	0	4	0.000103
723	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	1227	28	0.000103	0.000080	4	0	4	0.000103
724	oa	c[fp]e4y + added c-sequences	321	69	0.000103	0.000088	4	0	4	0.000103
725	oa	c[fp]e4y + added c-sequences & cfeo-Initial	321	84	0.000103	0.000085	4	0	4	0.000103
726	o[fptk][dlrsmg]	cse4dy	68	585	0.000103	0.000077	4	0	4	0.000103
727	o[fptk][dlrsmg]	c[s | fptk]e4dy	68	622	0.000103	0.000075	4	0	4	0.000103
728	oro	y[fptk]-initial	102	1295	0.000103	0.000016	4	0	4	0.000103
729	l[fptk] Prefixes	orai0-4n	514	135	0.000103	0.000057	4	0	4	0.000103
730	l[fptk] Prefixes	[fptk | dlrs] prefixes to dai4[lrsm | n]	514	83	0.000103	0.000075	4	0	4	0.000103
731	l[fptk] Prefixes	a[lr]an	514	56	0.000103	0.000084	4	0	4	0.000103
732	otai0-4n	[yo]c + e4o Superclass	430	345	0.000103	0.000005	4	0	4	0.000103
733	otai0-4n	a[dlrsmg]am	430	92	0.000103	0.000077	4	0	4	0.000103
734	[tk]e4dy	otar variants	309	345	0.000103	0.000032	4	0	4	0.000103
735	[tk]e4dy	[yo]tai0-4n	309	490	0.000103	0.000003	4	0	4	0.000103
736	ai4[lr]	[yo]c[fptk]e4y	782	294	0.000103	-0.000049	4	0	4	0.000103
737	opc + e4ody	[yo][fptk][ao][lr]	14	2688	0.000103	0.000078	4	0	4	0.000103
738	okar variants	oe sans oy + oe4y, oe0-4s	493	317	0.000103	0.000000	4	0	4	0.000103
739	om + o[fptk | dlrsmg]am	[yo]cse4y	454	57	0.000103	0.000086	4	0	4	0.000103
740	om + o[fptk | dlrsmg]am	[yo]ce4y	454	113	0.000103	0.000069	4	0	4	0.000103
741	om + o[fptk | dlrsmg]am	od endings	454	243	0.000103	0.000030	4	0	4	0.000103
742	okam variants	[dlrsmg | fptk] + oi4[dlrsmg | n]	76	809	0.000103	0.000062	4	0	4	0.000103
743	[yo]te4o[lr]	[dlrsmg]ai4[lr]	130	875	0.000103	0.000028	4	0	4	0.000103
744	oe0-4[fp]oe0-4[lr]	o[lr][yo]	71	583	0.000103	0.000075	4	0	4	0.000103
745	oe0-4[fp]oe0-4[lr]	oi4[dlrsmg | n]	71	1124	0.000103	0.000050	4	0	4	0.000103
746	or[yo]	yce4y + s infixes	200	82	0.000103	0.000092	4	0	4	0.000103
747	or[yo]	so	200	378	0.000103	0.000053	4	0	4	0.000103
748	or[yo]	[yo]ce4y + s infixes	200	172	0.000103	0.000080	4	0	4	0.000103
749	or[yo]	yce4y + infixed versions	200	87	0.000103	0.000091	4	0	4	0.000103
750	cedai4[lrsm | n]	yodai0-4l	527	143	0.000103	0.000053	4	0	4	0.000103
751	l[drs] Prefixes	[dlrsmg | fptk] + oi4[dlrsmg | n]	95	809	0.000103	0.000052	4	0	4	0.000103
752	odai0-4r	ce4o	193	160	0.000103	0.000082	4	0	4	0.000103
753	te4dy	[fptk]ai4[dlrsmg | n]	91	411	0.000103	0.000078	4	0	4	0.000103
754	ceal verbs	[yo]c[s | fptk]e4y	230	353	0.000103	0.000049	4	0	4	0.000103
755	a[dlrsmg]c	o[fptk]c + e0-4dy	91	554	0.000103	0.000069	4	0	4	0.000103
756	o[fptk]edai4n	[yo]tai0-4n	59	490	0.000103	0.000084	4	0	4	0.000103
757	o[fptk | dlrsmg][ao]m	yc + e4or	280	34	0.000103	0.000096	4	0	4	0.000103
758	ai4[dlrsmg | n]	odai0-4l	1519	133	0.000103	-0.000031	4	0	4	0.000103
759	ai4[dlrsmg | n]	od[ao]i0-4l	1519	154	0.000103	-0.000052	4	0	4	0.000103
760	[yo]d[ao]i0-4n	otal variants	450	333	0.000103	0.000004	4	0	4	0.000103
761	[yo]d[ao]i0-4n	opce0-4y	450	111	0.000103	0.000070	4	0	4	0.000103
762	[yo]d[ao]i0-4n	[yo][fp]ai0-4[rn]	450	111	0.000103	0.000070	4	0	4	0.000103
763	[yo]d[ao]i0-4n	ek[yo]	450	255	0.000103	0.000027	4	0	4	0.000103
764	[yo]d[ao]i0-4n	[yo][fp]a	450	200	0.000103	0.000043	4	0	4	0.000103
765	eda	orai0-4n	784	135	0.000103	0.000033	4	0	4	0.000103
766	eda	a[lr]an	784	56	0.000103	0.000074	4	0	4	0.000103
767	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	ora	222	241	0.000103	0.000067	4	0	4	0.000103
768	oda	ce4g	847	27	0.000103	0.000088	4	0	4	0.000103
769	oda	o[fptk]e4os	847	106	0.000103	0.000044	4	0	4	0.000103
770	ai4[lr]	[yo]c + e4dy	782	110	0.000103	0.000046	4	0	4	0.000103
771	ai4[lr]	ety	782	93	0.000103	0.000055	4	0	4	0.000103
772	eda	[yo]c[fp]	784	62	0.000103	0.000071	4	0	4	0.000103
773	et[yoa]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	186	503	0.000103	0.000041	4	0	4	0.000103
774	[tk]e4dy	okam variants	309	76	0.000103	0.000087	4	0	4	0.000103
775	[tk]e4dy	otai0-4n	309	430	0.000103	0.000015	4	0	4	0.000103
776	[yo]pa	otal variants	141	333	0.000103	0.000072	4	0	4	0.000103
777	o[fptk | dlrsmg][ao]m	yc + e4o[lr]	280	68	0.000103	0.000090	4	0	4	0.000103
778	ek[yo]	otce0-4y	255	281	0.000103	0.000055	4	0	4	0.000103
779	opce0-4y	oke0-4y	111	1314	0.000103	0.000006	4	0	4	0.000103
780	otai0-4n	o[fptk]c + e0-4or	430	135	0.000103	0.000064	4	0	4	0.000103
781	ece Adjective	okc + e0-4 + y | dy | o[dlrs]y	69	563	0.000103	0.000077	4	0	4	0.000103
782	[yo]cp	y-initial	38	1926	0.000103	0.000054	4	0	4	0.000103
783	[yo]cp	y[fptk]-initial	38	1295	0.000103	0.000070	4	0	4	0.000103
784	[dlrsmg | fptk] + ai4[dlrsmg]	cedam variants	1444	30	0.000103	0.000074	4	0	4	0.000103
785	odo	ce4a	57	1009	0.000103	0.000065	4	0	4	0.000103
786	odo	[q | fptk | dlrsmg] + oi0-4[lr]	57	1819	0.000103	0.000034	4	0	4	0.000103
787	od[ao]i0-4[lrm | n]	ckeo-initial	813	79	0.000103	0.000060	4	0	4	0.000103
788	od[ao]i0-4[lrm | n]	okc + e4o	813	49	0.000103	0.000076	4	0	4	0.000103
789	od[ao]i0-4[lrm | n]	oo	813	62	0.000103	0.000069	4	0	4	0.000103
790	od[ao]i0-4[lrm | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4om	813	54	0.000103	0.000074	4	0	4	0.000103
791	oi	ote4dy	304	509	0.000103	0.000001	4	0	4	0.000103
792	o[fptk]c + e0-4o	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	101	186	0.000103	0.000090	4	0	4	0.000103
793	ckeo-initial	okol variants	79	285	0.000103	0.000088	4	0	4	0.000103
794	ai4[dlrsmg | n]	ef[yoa]	1519	33	0.000103	0.000070	4	0	4	0.000103
795	o[fptk | dlrsmg][ao]m	oi4n Superset	280	257	0.000103	0.000055	4	0	4	0.000103
796	ai4[lr]	a[dlrsmg]c	782	91	0.000103	0.000056	4	0	4	0.000103
797	ol[oa]	kc-initial	401	322	0.000103	0.000018	4	0	4	0.000103
798	ol[oa]	c | c[fptk] + e4o	401	228	0.000103	0.000042	4	0	4	0.000103
799	oke4dy	o[fptk]edar	933	72	0.000103	0.000058	4	0	4	0.000103
800	od[ao]i0-4m	edy	34	4981	0.000103	-0.000009	4	0	4	0.000103
801	c | c[s | fptk] + e4dy	c[fptk]e4y	1395	310	0.000103	-0.000183	4	0	4	0.000103
802	c | c[s | fptk] + e4dy	[yo]te4or	1395	31	0.000103	0.000074	4	0	4	0.000103
803	c | c[s | fptk] + e4dy	[fptk]e0-4y	1395	161	0.000103	-0.000045	4	0	4	0.000103
804	[fptk]e0-4y	lk-initial	161	454	0.000103	0.000055	4	0	4	0.000103
805	ol[yoa]	ce4o	614	160	0.000103	0.000038	4	0	4	0.000103
806	c[fp]e4y + added c-sequences	oke0-4y	69	1314	0.000103	0.000043	4	0	4	0.000103
807	o-axis of [yo][fptk][ao][lr]	oo + oe4o	764	133	0.000103	0.000036	4	0	4	0.000103
808	cectey relatives	cteo-initial	197	220	0.000103	0.000074	4	0	4	0.000103
809	cectey relatives	[yo]ke4o[lr]	197	319	0.000103	0.000061	4	0	4	0.000103
810	odai0-4m	edy	33	4981	0.000103	-0.000006	4	0	4	0.000103
811	odai0-4m	ed[yoa]	33	5851	0.000103	-0.000025	4	0	4	0.000103
812	old	olk	225	557	0.000103	0.000020	4	0	4	0.000103
813	oce4y + s infixes	cte4[yo]	90	406	0.000103	0.000079	4	0	4	0.000103
814	ety	oda	93	847	0.000103	0.000051	4	0	4	0.000103
815	c | c[s | fptk] + e4dy	[yo]c[fp]	1395	62	0.000103	0.000046	4	0	4	0.000103
816	Single-Letter Words	a[dlrsmg]c	566	91	0.000103	0.000069	4	0	4	0.000103

817	tc-initial	[tk]e4dy	345	309	0.000103	0.000032	4	0	4	0.000103
818	tc-initial	[fptk]ai4n	345	191	0.000103	0.000059	4	0	4	0.000103
819	oce4y + infixed versions	opce0-4y	379	111	0.000103	0.000075	4	0	4	0.000103
820	yodai0-4[lrm | n]	oo	832	62	0.000103	0.000069	4	0	4	0.000103
821	yodai0-4[lrm | n]	o[fptk]e4os	832	106	0.000103	0.000045	4	0	4	0.000103
822	c | cs + e0-4d	ai4[lr]	89	782	0.000103	0.000057	4	0	4	0.000103
823	c | cs + e0-4d	Single-Letter Words	89	566	0.000103	0.000070	4	0	4	0.000103
824	c + c[s | fptk]e4y	otce0-4dy	1624	172	0.000103	-0.000082	4	0	4	0.000103
825	om + o[fptk | dlrsmg]am	ol + c | cs + e4o[lr]	454	34	0.000103	0.000093	4	0	4	0.000103
826	lk-initial	[fptk | dlrs] prefixes to dai4[lrsm | n]	454	83	0.000103	0.000078	4	0	4	0.000103
827	lk-initial	a[lr]an	454	56	0.000103	0.000086	4	0	4	0.000103
828	cean variants	o[lr]a	255	469	0.000103	0.000024	4	0	4	0.000103
829	cean variants	c + e4dy	255	3053	0.000103	-0.000411	4	0	4	0.000103
830	cean variants	cse4y	255	578	0.000103	0.000005	4	0	4	0.000103
831	[yo]d[ao]i0-4n	cpe4[yo]	450	94	0.000103	0.000075	4	0	4	0.000103
832	o[lr]o	dc-initial	274	454	0.000103	0.000021	4	0	4	0.000103
833	[yo]d[ao]i0-4r	y + Non-[dlrs] Prefixes	228	205	0.000103	0.000072	4	0	4	0.000103
834	dl Consonant clusters	c | c[s | fptk] + e4dy	79	1395	0.000103	0.000030	4	0	4	0.000103
835	o + c | cs + e4o[lr]	o[lr][yo]	88	583	0.000103	0.000069	4	0	4	0.000103
836	opc + e0-4 + y | dy | o[dlrs]y	ol[yo]	302	388	0.000103	0.000025	4	0	4	0.000103
837	ece Noun	ai4[dlrsmg]	142	930	0.000103	0.000016	4	0	4	0.000103
838	ece Noun	ai4[lr]	142	782	0.000103	0.000029	4	0	4	0.000103
839	old	ol[tk]	225	621	0.000103	0.000011	4	0	4	0.000103
840	ece Noun	otar variants	142	345	0.000103	0.000070	4	0	4	0.000103
841	olai0-4n	olk	126	557	0.000103	0.000056	4	0	4	0.000103
842	Detached Class Modifiers	otce0-4y	95	281	0.000103	0.000085	4	0	4	0.000103
843	Detached Class Modifiers	otc + e0-4 + y | dy | o[dlrs]y	95	493	0.000103	0.000072	4	0	4	0.000103
844	Detached Class Modifiers	ote0-4y	95	731	0.000103	0.000057	4	0	4	0.000103
845	oa	[yo]tai0-4n	321	490	0.000103	-0.000001	4	0	4	0.000103
846	oa	o[fptk]e4os	321	106	0.000103	0.000080	4	0	4	0.000103
847	[q | fptk | dlrsmg] + oi0-4[lr]	ydai0-4n	1819	40	0.000103	0.000055	4	0	4	0.000103
848	[q | fptk | dlrsmg] + oi0-4[lr]	yd[ao]i0-4n	1819	40	0.000103	0.000055	4	0	4	0.000103
849	ola	[yo]ke4ol	228	223	0.000103	0.000069	4	0	4	0.000103
850	eko	otol variants	38	239	0.000103	0.000097	4	0	4	0.000103
851	ola	[yo]ke4o[lr]	228	319	0.000103	0.000055	4	0	4	0.000103
852	ola	c | c[fptk] + e4o	228	228	0.000103	0.000068	4	0	4	0.000103
853	et[yo]	[yo]d[ao]i0-4[lr]	115	393	0.000103	0.000073	4	0	4	0.000103
854	et[yo]	od[ao]i0-4[lr]	115	369	0.000103	0.000075	4	0	4	0.000103
855	et[yo]	y-initial	115	1926	0.000103	-0.000043	4	0	4	0.000103
856	et[yo]	odai0-4[lr]	115	326	0.000103	0.000078	4	0	4	0.000103
857	et[yo]	yodai0-4[lr]	115	348	0.000103	0.000076	4	0	4	0.000103
858	c-sequence + e4 + [fptk] + e4 + y	l[fptk] Prefixes	101	514	0.000103	0.000068	4	0	4	0.000103
859	osa	o[lr]a	66	469	0.000103	0.000082	4	0	4	0.000103
860	osa	o[lr][oa]	66	735	0.000103	0.000071	4	0	4	0.000103
861	ce4a	ece polygraph	1009	219	0.000103	-0.000043	4	0	4	0.000103
862	[yo]te4os	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	60	2246	0.000103	0.000014	4	0	4	0.000103
863	qo variants	[yo]kai0-4n	59	1067	0.000103	0.000061	4	0	4	0.000103
864	qo variants	od[ao]i0-4[lrm | n]	59	813	0.000103	0.000071	4	0	4	0.000103
865	qo variants	okai0-4n	59	994	0.000103	0.000064	4	0	4	0.000103
866	Consonant Clusters	o[fptk]c + e0-4y	115	753	0.000103	0.000046	4	0	4	0.000103
867	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	opc + e0-4 + y | dy | o[dlrs]y	445	302	0.000103	0.000014	4	0	4	0.000103
868	dai4n	ola	1140	228	0.000103	-0.000069	4	0	4	0.000103
869	[fptk]ai4n	Single-Letter Words	191	566	0.000103	0.000031	4	0	4	0.000103
870	yodai0-4m	edy	36	4981	0.000103	-0.000016	4	0	4	0.000103
871	odcey relatives	edy	34	4981	0.000103	-0.000009	4	0	4	0.000103
872	aro[dlrsmg]	dc-initial	105	454	0.000103	0.000071	4	0	4	0.000103
873	o[fptk]c + e0-4dy	[yo]ke4o[dlrsmg]	554	584	0.000103	-0.000111	4	0	4	0.000103
874	otar variants	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	345	222	0.000103	0.000052	4	0	4	0.000103
875	dai4n	[yo]c + e4dy	1140	110	0.000103	0.000020	4	0	4	0.000103
876	otar variants	od endings	345	243	0.000103	0.000047	4	0	4	0.000103
877	[yo]kai0-4n	okc + e4o	1067	49	0.000103	0.000068	4	0	4	0.000103
878	cean verbs	o[fptk]e4dy	213	1444	0.000103	-0.000100	4	0	4	0.000103
879	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	o[fptk]c + e0-4y	28	753	0.000103	0.000089	4	0	4	0.000103
880	do	o[lr]a	383	469	0.000103	-0.000016	4	0	4	0.000103
881	o[lr][yo]	cse0-4s	583	102	0.000103	0.000064	4	0	4	0.000103
882	[fptk]ai4n	eka	191	191	0.000103	0.000079	4	0	4	0.000103
883	y + Non-[dlrs] Prefixes	[dlrsmg] + c | c[s | fptk] + e4dy	205	327	0.000103	0.000059	4	0	4	0.000103
884	y + Non-[dlrs] Prefixes	cse4o	205	205	0.000103	0.000075	4	0	4	0.000103
885	od[ao]i0-4m	ed[yoa]	34	5851	0.000103	-0.000029	4	0	4	0.000103
886	ce4o	ai4l	160	306	0.000103	0.000070	4	0	4	0.000103
887	cte4y	[yo]te4o[dlrsmg]	186	341	0.000103	0.000061	4	0	4	0.000103
888	cte4y	[dlrsmg]e0-4y	186	453	0.000103	0.000047	4	0	4	0.000103
889	cte4y	[yo][fptk]e4ol	186	322	0.000103	0.000063	4	0	4	0.000103
890	[fptk | dlrsmg] + c | c[s | fptk] + e4or	ykai0-4n	733	73	0.000103	0.000067	4	0	4	0.000103
891	oke4dy	okam variants	933	76	0.000103	0.000056	4	0	4	0.000103
892	opc + e0-4 + y | dy | o[dlrs]y	l[drs] Prefixes	302	95	0.000103	0.000084	4	0	4	0.000103
893	kc-initial	otar variants	322	345	0.000103	0.000029	4	0	4	0.000103
894	okc + e0-4 + y | dy | o[dlrs]y	okc + e4o	563	49	0.000103	0.000085	4	0	4	0.000103
895	od endings	otol variants	243	239	0.000103	0.000064	4	0	4	0.000103
896	kc-initial	okar variants	322	493	0.000103	-0.000002	4	0	4	0.000103
897	c-sequence + e4 + [fptk] + c-sequence + e4 + y	[dlrsmg] + ai4[lr] + y-suffix	84	1035	0.000103	0.000045	4	0	4	0.000103
898	ety	yodai0-4[lrm | n]	93	832	0.000103	0.000052	4	0	4	0.000103
899	ety	od[ao]i0-4[lrm | n]	93	813	0.000103	0.000053	4	0	4	0.000103
900	ety	ote0-4y	93	731	0.000103	0.000058	4	0	4	0.000103
901	ety	y-initial	93	1926	0.000103	-0.000015	4	0	4	0.000103
902	ety	odai0-4[lrm | n]	93	767	0.000103	0.000056	4	0	4	0.000103
903	ety	[yo]d[ao]i0-4[lrm | n]	93	880	0.000103	0.000049	4	0	4	0.000103
904	ai4r	g	483	132	0.000103	0.000061	4	0	4	0.000103
905	ai4r	y + Non-[dlrs] Prefixes	483	205	0.000103	0.000037	4	0	4	0.000103
906	otce0-4y	o[fptk]ody	281	85	0.000103	0.000087	4	0	4	0.000103
907	[yo]c[fp]	a-axis of [yo][fptk][ao][lr]	62	1731	0.000103	0.000032	4	0	4	0.000103
908	od[ao]i0-4[lrm | n]	c[fptk]c polygraph	813	99	0.000103	0.000050	4	0	4	0.000103
909	ai4[dlrsmg]	ety	930	93	0.000103	0.000046	4	0	4	0.000103
910	[yo]te4o[dlrsmg]	[yo]ke4o	341	89	0.000103	0.000083	4	0	4	0.000103
911	o[fptk]d	c | c[s | fptk] + e4dy	38	1395	0.000103	0.000068	4	0	4	0.000103
912	cse0-4s	ote0-4y	102	731	0.000103	0.000054	4	0	4	0.000103
913	okc + e0-4 + y | dy | o[dlrs]y	opai0-4n	563	29	0.000103	0.000092	4	0	4	0.000103
914	otce0-4y	ke4o	281	137	0.000103	0.000077	4	0	4	0.000103
915	cedai4[lrsm | n]	odai0-4l	527	133	0.000103	0.000057	4	0	4	0.000103
916	om + o[fptk | dlrsmg]am	od endings + odcey relatives	454	275	0.000103	0.000020	4	0	4	0.000103
917	oi	c-sequence + e4 + [fptk] + c-sequence + e4 + y	304	84	0.000103	0.000086	4	0	4	0.000103
918	ai4[dlrsmg]	yce4y + s infixes	930	82	0.000103	0.000052	4	0	4	0.000103

919	otal variants	[yo]ce4y + s infixes	333	172	0.000103	0.000065	4	0	4	0.000103
920	ke4dy	o[fptk | dlrsmg][ao]m	217	280	0.000103	0.000063	4	0	4	0.000103
921	ke4dy	om + o[fptk | dlrsmg]am	217	454	0.000103	0.000038	4	0	4	0.000103
922	opc + e0-4 + y | dy | o[dlrs]y	oly	302	222	0.000103	0.000059	4	0	4	0.000103
923	opc + e0-4 + y | dy | o[dlrs]y	otce0-4y	302	281	0.000103	0.000047	4	0	4	0.000103
924	otal variants	yce4y + s infixes	333	82	0.000103	0.000085	4	0	4	0.000103
925	l[fptk] Prefixes	or[oa]	514	340	0.000103	-0.000013	4	0	4	0.000103
926	l[fptk] Prefixes	ora	514	241	0.000103	0.000021	4	0	4	0.000103
927	otam variants	[ao][lr][ao][lr] Pipe/Flow	88	843	0.000103	0.000054	4	0	4	0.000103
928	[dlrsmg]ai4[lr]	oro	875	102	0.000103	0.000044	4	0	4	0.000103
929	oda	opce0-4y	847	111	0.000103	0.000041	4	0	4	0.000103
930	[yo]te4o	dai4n	49	1140	0.000103	0.000066	4	0	4	0.000103
931	l-prefix + [fptk]e0-4y	eda	80	784	0.000103	0.000061	4	0	4	0.000103
932	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	cean verbs	519	213	0.000103	0.000030	4	0	4	0.000103
933	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	opai0-4n	1227	26	0.000103	0.000082	4	0	4	0.000103
934	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	opai0-4n	1227	29	0.000103	0.000079	4	0	4	0.000103
935	cear verbs	eky	303	217	0.000103	0.000059	4	0	4	0.000103
936	cear verbs	o[lr]o	303	274	0.000103	0.000048	4	0	4	0.000103
937	yc + e4ol	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	34	1227	0.000103	0.000075	4	0	4	0.000103
938	[yo]tai0-4n	[yo]c + e4o Superclass	490	345	0.000103	-0.000009	4	0	4	0.000103
939	[yo]tai0-4n	a[dlrsmg]am	490	92	0.000103	0.000073	4	0	4	0.000103
940	[dlrsmg | fptk]e0-4y	oe sans oy + oe4y, oe0-4s	735	317	0.000103	-0.000051	4	0	4	0.000103
941	[dlrsmg | fptk]e0-4y	pc-initial	735	307	0.000103	-0.000046	4	0	4	0.000103
942	c[fptk]e4o-initial & c[fptk]e4y Superclass	a[dlrsmg]am	1659	92	0.000103	0.000002	4	0	4	0.000103
943	y[fptk]-initial	od[fptk | dlrsmg]	1295	38	0.000103	0.000070	4	0	4	0.000103
944	cear verbs	opc + e0-4 + y | dy | o[dlrs]y	303	302	0.000103	0.000042	4	0	4	0.000103
945	[dlrsmg | fptk]e0-4y	ory	735	108	0.000103	0.000050	4	0	4	0.000103
946	ory	tc-initial	108	345	0.000103	0.000078	4	0	4	0.000103
947	oe sans oy + oe4y, oe0-4s	ol[yo]	317	388	0.000103	0.000022	4	0	4	0.000103
948	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	opc + e0-4 + y | dy | o[dlrs]y	519	302	0.000103	-0.000001	4	0	4	0.000103
949	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	oo	519	62	0.000103	0.000082	4	0	4	0.000103
950	[fp]c-Initial	o[fptk | dlrsmg][ao]m	387	280	0.000103	0.000031	4	0	4	0.000103
951	[fp]c-Initial	om + o[fptk | dlrsmg]am	387	454	0.000103	-0.000013	4	0	4	0.000103
952	[fp]c-Initial	et[yoa]	387	186	0.000103	0.000055	4	0	4	0.000103
953	ke4o	sai4n	137	258	0.000103	0.000079	4	0	4	0.000103
954	[fp]c-Initial	o[fptk]eda[lrsm | n]	387	184	0.000103	0.000056	4	0	4	0.000103
955	ke4o	[yo]d[ao]i0-4[lrm | n]	137	880	0.000103	0.000023	4	0	4	0.000103
956	ce4dy	Consonant Clusters	755	115	0.000103	0.000045	4	0	4	0.000103
957	okce0-4y	okc + e4o	338	49	0.000103	0.000092	4	0	4	0.000103
958	odai0-4[lr]	g	326	132	0.000103	0.000074	4	0	4	0.000103
959	[yo][fptk]e4od + y	okce0-4y	284	338	0.000103	0.000039	4	0	4	0.000103
960	[yo]c[s | fptk]e4y	opc + e0-4 + y | dy | o[dlrs]y	353	302	0.000103	0.000032	4	0	4	0.000103
961	otc + e0-4 + y | dy | o[dlrs]y	[tk]y	493	52	0.000103	0.000086	4	0	4	0.000103
962	otc + e0-4 + y | dy | o[dlrs]y	[dlrsmg] + c | c[s | fptk] + e4o	493	49	0.000103	0.000087	4	0	4	0.000103
963	otc + e0-4 + y | dy | o[dlrs]y	[yo]ke4od	493	207	0.000103	0.000035	4	0	4	0.000103
964	odai0-4[lrm | n]	c[fptk]c polygraph	767	99	0.000103	0.000053	4	0	4	0.000103
965	y[fptk]-initial	oce4y	1295	60	0.000103	0.000051	4	0	4	0.000103
966	[fptk | dlrsmg] + c | c[s | fptk] + e4o	o[dlrs]ce4y Superset	503	196	0.000103	0.000038	4	0	4	0.000103
967	[fptk | dlrsmg] + c | c[s | fptk] + e4o	ece Adjective	503	69	0.000103	0.000080	4	0	4	0.000103
968	[yo]ke4ol	ce4o	223	160	0.000103	0.000079	4	0	4	0.000103
969	[yo]ke4ol	oi4[dlrsmg | n]	223	1124	0.000103	-0.000063	4	0	4	0.000103
970	[fp]c-Initial	otce0-4dy	387	172	0.000103	0.000059	4	0	4	0.000103
971	ai4n	ocke4y	589	162	0.000103	0.000040	4	0	4	0.000103
972	[tk]c-Initial	cedar variants	667	176	0.000103	0.000025	4	0	4	0.000103
973	[tk]c-Initial	ceal verbs	667	230	0.000103	0.000002	4	0	4	0.000103
974	pc-initial	ol[yo]	307	388	0.000103	0.000024	4	0	4	0.000103
975	pc-initial	[yo]fo	307	25	0.000103	0.000098	4	0	4	0.000103
976	pc-initial	od[ao]i0-4r	307	215	0.000103	0.000059	4	0	4	0.000103
977	pc-initial	yodai0-4r	307	205	0.000103	0.000061	4	0	4	0.000103
978	pc-initial	otai0-4n	307	430	0.000103	0.000016	4	0	4	0.000103
979	[yo]cse4y	[q | fptk | dlrsmg] + oi0-4[lr]	57	1819	0.000103	0.000034	4	0	4	0.000103
980	[yo]cse4y	c[s | fptk]e4y	57	887	0.000103	0.000069	4	0	4	0.000103
981	[yo]cse4y	c + c[s | fptk]e4y	57	1624	0.000103	0.000042	4	0	4	0.000103
982	okce0-4y	opai0-4n	338	26	0.000103	0.000097	4	0	4	0.000103
983	okce0-4y	opai0-4n	338	29	0.000103	0.000096	4	0	4	0.000103
984	cear variants	eky	365	217	0.000103	0.000050	4	0	4	0.000103
985	pc-initial	odai0-4r	307	193	0.000103	0.000064	4	0	4	0.000103
986	pc-initial	ofc + e4 + y | dy | o + [lr] Superset	307	75	0.000103	0.000088	4	0	4	0.000103
987	pc-initial	[yo]po	307	70	0.000103	0.000089	4	0	4	0.000103
988	pc-initial	[yo]d[ao]i0-4r	307	228	0.000103	0.000057	4	0	4	0.000103
989	ko	or[yo]	179	200	0.000103	0.000079	4	0	4	0.000103
990	ol[tk]	o[fptk]ce4[lrsmg]	621	57	0.000103	0.000079	4	0	4	0.000103
991	o[tk][ao]s	oe0-4s	58	632	0.000103	0.000079	4	0	4	0.000103
992	ai4l	o[dlrs]ce4y Superset	306	196	0.000103	0.000063	4	0	4	0.000103
993	ai4l	olcey relatives (non -edy)	306	138	0.000103	0.000075	4	0	4	0.000103
994	ai4l	om + o[fptk | dlrsmg]am	306	454	0.000103	0.000011	4	0	4	0.000103
995	c[s | fptk]e4dy	o[lr]y	622	318	0.000103	-0.000028	4	0	4	0.000103
996	o[fptk]e4dy	om	1444	203	0.000103	-0.000091	4	0	4	0.000103
997	eka	cectey relatives	191	197	0.000103	0.000078	4	0	4	0.000103
998	od[ao]i0-4[lr]	[yo][fp]a	369	200	0.000103	0.000054	4	0	4	0.000103
999	[yo][fptk]e4od	[yo][fp]ai0-4[rn]	355	111	0.000103	0.000077	4	0	4	0.000103
1000	[yo][fptk]e4od	ola	355	228	0.000103	0.000049	4	0	4	0.000103
1001	[yo][fptk]e4od	opai0-4n	355	29	0.000103	0.000096	4	0	4	0.000103
1002	cpe4[yo]	ai0-4[dlrsmg][dlrsmg]	94	214	0.000103	0.000089	4	0	4	0.000103
1003	[tk]c-Initial	cpeo-initial	667	67	0.000103	0.000073	4	0	4	0.000103
1004	dcedy relatives	[yo]kai0-4n	85	1067	0.000103	0.000043	4	0	4	0.000103
1005	dcedy relatives	okai0-4n	85	994	0.000103	0.000047	4	0	4	0.000103
1006	dcedy relatives	[tk]e4dy	85	309	0.000103	0.000085	4	0	4	0.000103
1007	opc + e4ol	[dlrsmg | fptk] + ai4[dlrsmg | n]	31	3168	0.000103	0.000038	4	0	4	0.000103
1008	okc + e4o	kc-initial	49	322	0.000103	0.000092	4	0	4	0.000103
1009	okc + e4o	[q | fptk | dlrsmg] + oi0-4[lr]	49	1819	0.000103	0.000044	4	0	4	0.000103
1010	oc[fpt]e4y	opc + e0-4 + y | dy | o[dlrs]y	132	302	0.000103	0.000076	4	0	4	0.000103
1011	cke4[yo]	edy	172	4981	0.000103	-0.000463	4	0	4	0.000103
1012	cedar variants	edo	176	90	0.000103	0.000092	4	0	4	0.000103
1013	oly	otal variants	222	333	0.000103	0.000054	4	0	4	0.000103
1014	o[lr][oa]	[yo][fp]y	735	44	0.000103	0.000081	4	0	4	0.000103
1015	o[lr][oa]	[yo]py	735	33	0.000103	0.000087	4	0	4	0.000103
1016	o[lr][oa]	otce0-4dy	735	172	0.000103	0.000019	4	0	4	0.000103
1017	oc[fptk]e4y	o[fptk]c + e0-4dy	289	554	0.000103	-0.000003	4	0	4	0.000103
1018	[dlrsmg]ai4[lr]	cse0-4s	875	102	0.000103	0.000044	4	0	4	0.000103
1019	[yo][fptk]e4o[dlrsmg]	opai0-4n	924	26	0.000103	0.000087	4	0	4	0.000103
1020	[yo][fptk]e4o[dlrsmg]	opai0-4n	924	29	0.000103	0.000085	4	0	4	0.000103
1021	[yo][fptk]e4o[dlrsmg]	[yo][fptk]e4o	924	88	0.000103	0.000049	4	0	4	0.000103

1022	[yo][fptk | dlrsmg] + c | cs + e4o	o-axis of [yo][fptk][ao][lr]	113	764	0.000103	0.000046	4	0	4	0.000103
1023	o[tk]e0-4y	[yo][fp]y	2042	44	0.000103	0.000043	4	0	4	0.000103
1024	rc-initial	[yo][fptk][ao][lr]	76	2688	0.000103	-0.000032	4	0	4	0.000103
1025	[dlrsmg] + ai4[lr] + y-suffix	cse0-4s	1035	102	0.000103	0.000033	4	0	4	0.000103
1026	[yo]fa	[dlrsmg] + ai4[lr] + y-suffix	59	1035	0.000103	0.000062	4	0	4	0.000103
1027	[yo]d[ao]i0-4[lr]	ckeo-initial	393	79	0.000103	0.000082	4	0	4	0.000103
1028	[yo]d[ao]i0-4[lr]	[yo][fp]a	393	200	0.000103	0.000051	4	0	4	0.000103
1029	cse4o	cean variants	205	255	0.000103	0.000068	4	0	4	0.000103
1030	cse4o	cean verbs	205	213	0.000103	0.000074	4	0	4	0.000103
1031	[fptk]ai4[dlrsmg | n]	yodai0-4n	411	448	0.000103	-0.000019	4	0	4	0.000103
1032	[fptk]ai4[dlrsmg | n]	odai0-4n	411	408	0.000103	-0.000008	4	0	4	0.000103
1033	[fptk]ai4[dlrsmg | n]	[yo]d[ao]i0-4n	411	450	0.000103	-0.000019	4	0	4	0.000103
1034	[fptk]ai4[dlrsmg | n]	oe0-4s	411	632	0.000103	-0.000069	4	0	4	0.000103
1035	[fptk]ai4[dlrsmg | n]	od[ao]i0-4n	411	410	0.000103	-0.000008	4	0	4	0.000103
1036	[fptk]ai4[dlrsmg | n]	cteo-initial	411	220	0.000103	0.000043	4	0	4	0.000103
1037	[fptk | dlrsmg] + c | c[s | fptk] + e4y	otod variants	2060	88	0.000103	-0.000017	4	0	4	0.000103
1038	oc[fpt]e4y	oa	132	321	0.000103	0.000075	4	0	4	0.000103
1039	oc[s | fptk]e4y	opc + e0-4 + y | dy | o[dlrs]y	319	302	0.000103	0.000039	4	0	4	0.000103
1040	te4o	eda	75	784	0.000103	0.000064	4	0	4	0.000103
1041	te4o	ce4a	75	1009	0.000103	0.000053	4	0	4	0.000103
1042	otam variants	[yo]c + e4o Superclass	88	345	0.000103	0.000083	4	0	4	0.000103
1043	yc + e4o	[fptk | dlrsmg] + c | c[s | fptk] + e4o	38	503	0.000103	0.000090	4	0	4	0.000103
1044	opai0-4n	oi4[dlrsmg | n]	29	1124	0.000103	0.000081	4	0	4	0.000103
1045	olk	rc-initial	557	76	0.000103	0.000075	4	0	4	0.000103
1046	olk	[sr]c-Initial	557	179	0.000103	0.000037	4	0	4	0.000103
1047	rai4n	[dlrsmg | fptk] + ai4n	115	1724	0.000103	-0.000028	4	0	4	0.000103
1048	opce0-4dy	[dlrsmg] + c | c[s | fptk] + e4dy	159	327	0.000103	0.000068	4	0	4	0.000103
1049	ce0-4s	cear variants	165	365	0.000103	0.000063	4	0	4	0.000103
1050	ce0-4s	cear verbs	165	303	0.000103	0.000070	4	0	4	0.000103
1051	cse4o	ce4ai4n	205	271	0.000103	0.000066	4	0	4	0.000103
1052	rai4n	[yo]kai0-4n	115	1067	0.000103	0.000022	4	0	4	0.000103
1053	rai4n	o[lr]a	115	469	0.000103	0.000067	4	0	4	0.000103
1054	oo + oe4o	ocke4y	133	162	0.000103	0.000089	4	0	4	0.000103
1055	ocke4y	oly	162	222	0.000103	0.000079	4	0	4	0.000103
1056	ocke4y	o[lr]y	162	318	0.000103	0.000069	4	0	4	0.000103
1057	[yo][fptk]e4or	[dlrsmg] + ai4[lr] + y-suffix	127	1035	0.000103	0.000016	4	0	4	0.000103
1058	[yo][fptk]e4or	[dlrsmg]ai4[lr]	127	875	0.000103	0.000029	4	0	4	0.000103
1059	[yo][fptk]e4or	[fptk | dlrsmg] + c | c[s | fptk] + e4o	127	503	0.000103	0.000061	4	0	4	0.000103
1060	[yo][fptk]e4or	[dlrsmg | fptk] + ai4[dlrsmg]	127	1444	0.000103	-0.000018	4	0	4	0.000103
1061	[yo][fptk][ao][lr]	dl Consonant clusters	2688	79	0.000103	-0.000037	4	0	4	0.000103
1062	oy	ke4o	141	137	0.000103	0.000090	4	0	4	0.000103
1063	sc-initial	[yo]ke4o[dlrsmg]	103	584	0.000103	0.000063	4	0	4	0.000103
1064	[dlrsmg | fptk] + ai4[dlrsmg | n]	yc + e4or	3168	34	0.000103	0.000032	4	0	4	0.000103
1065	[yo][fptk]e4o	c[fptk]e4o-initial & c[fptk]e4y Superclass	88	1659	0.000103	0.000006	4	0	4	0.000103
1066	ocse4y	c[fptk]e4o-initial & c[fptk]e4y Superclass	30	1659	0.000103	0.000070	4	0	4	0.000103
1067	ote0-4y	otc + e4or	731	58	0.000103	0.000075	4	0	4	0.000103
1068	ote0-4y	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	731	186	0.000103	0.000013	4	0	4	0.000103
1069	ote0-4y	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	731	44	0.000103	0.000082	4	0	4	0.000103
1070	ote0-4y	[yo]te4ol	731	99	0.000103	0.000055	4	0	4	0.000103
1071	o[fptk]ai4n	o[fptk][dlrsmg]	1598	68	0.000103	0.000031	4	0	4	0.000103
1072	ote0-4y	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	731	230	0.000103	-0.000008	4	0	4	0.000103
1073	o[lr][yoa]	[yo][fp]y	1044	44	0.000103	0.000072	4	0	4	0.000103
1074	o[lr][yoa]	[yo]py	1044	33	0.000103	0.000080	4	0	4	0.000103
1075	[yo]ke4od	ol[ds]	207	315	0.000103	0.000060	4	0	4	0.000103
1076	o[fptk]c + e0-4 + y | dy | o[dlrs]y	a[dlrsmg]am	1421	92	0.000103	0.000016	4	0	4	0.000103
1077	o[fptk]c + e0-4 + y | dy | o[dlrs]y	Double c-Sequence Nouns	1421	53	0.000103	0.000053	4	0	4	0.000103
1078	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	y + Non-[dlrs] Prefixes	230	205	0.000103	0.000072	4	0	4	0.000103
1079	[yo]te4od	ol[oa]	149	401	0.000103	0.000063	4	0	4	0.000103
1080	cedaiin variants	otar variants	189	345	0.000103	0.000060	4	0	4	0.000103
1081	cedaiin variants	yodai0-4l	189	143	0.000103	0.000085	4	0	4	0.000103
1082	cedaiin variants	oce4y + infixed versions	189	379	0.000103	0.000055	4	0	4	0.000103
1083	cedaiin variants	[yo]c[fptk]e4y	189	294	0.000103	0.000066	4	0	4	0.000103
1084	cedaiin variants	[yo]d[ao]i0-4l	189	165	0.000103	0.000082	4	0	4	0.000103
1085	cedaiin variants	oc[s | fptk]e4y	189	319	0.000103	0.000063	4	0	4	0.000103
1086	cedaiin variants	[yo]c[s | fptk]e4y	189	353	0.000103	0.000059	4	0	4	0.000103
1087	cedaiin variants	od[ao]i0-4l	189	154	0.000103	0.000084	4	0	4	0.000103
1088	cedaiin variants	odai0-4l	189	133	0.000103	0.000086	4	0	4	0.000103
1089	cedaiin variants	[yo]ce4y + infixed versions	189	466	0.000103	0.000045	4	0	4	0.000103
1090	cedaiin variants	oc[fptk]e4y	189	289	0.000103	0.000067	4	0	4	0.000103
1091	[yo][fp][yoa]	[dlrsmg] + ai4r	339	190	0.000103	0.000060	4	0	4	0.000103
1092	[yo][fp][yoa]	ai0-4[dlrsmg][dlrsmg]	339	214	0.000103	0.000055	4	0	4	0.000103
1093	o[lr][oa]	ece polygraph	735	219	0.000103	-0.000003	4	0	4	0.000103
1094	[ao][lr][ao][lr] Pipe/Flow	fc-initial	843	80	0.000103	0.000058	4	0	4	0.000103
1095	ydai0-4[lrm | n]	o[tk]e0-4y	65	2042	0.000103	0.000015	4	0	4	0.000103
1096	ydai0-4[lrm | n]	oke0-4y	65	1314	0.000103	0.000046	4	0	4	0.000103
1097	c[fptk]e4y	[yo]ke4ol	310	223	0.000103	0.000057	4	0	4	0.000103
1098	c[fptk]e4y	[yo]te4o[lr]	310	130	0.000103	0.000076	4	0	4	0.000103
1099	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	ote4dy	230	509	0.000103	0.000025	4	0	4	0.000103
1100	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	[yo]tai0-4n	230	490	0.000103	0.000028	4	0	4	0.000103
1101	[yo]c[fptk]e4y	opc + e0-4 + y | dy | o[dlrs]y	294	302	0.000103	0.000044	4	0	4	0.000103
1102	[tk]e4o	sai4n	206	258	0.000103	0.000068	4	0	4	0.000103
1103	[yo]d[ao]i0-4[lr]	g	393	132	0.000103	0.000069	4	0	4	0.000103
1104	od[ao]i0-4n	otal variants	410	333	0.000103	0.000013	4	0	4	0.000103
1105	od[ao]i0-4n	ek[yo]	410	255	0.000103	0.000034	4	0	4	0.000103
1106	okc + e4ol	[tk]c-Initial	55	667	0.000103	0.000079	4	0	4	0.000103
1107	ceckey relatives	[yo]ce4y + infixed versions	377	466	0.000103	-0.000013	4	0	4	0.000103
1108	ceckey relatives	dairol/soral relatives	377	190	0.000103	0.000055	4	0	4	0.000103
1109	o[fptk]c + e0-4 + y | dy | o[dlrs]y	[yo]ke4o	1421	89	0.000103	0.000019	4	0	4	0.000103
1110	o[fptk]c + e0-4 + y | dy | o[dlrs]y	o[tk][lr]	1421	28	0.000103	0.000077	4	0	4	0.000103
1111	ol + c | cs + e4o[lr]	ed[yoa]	34	5851	0.000103	-0.000029	4	0	4	0.000103
1112	oo + oe4o	oy + oe4y	133	207	0.000103	0.000085	4	0	4	0.000103
1113	yodai0-4n	cpe4[yo]	448	94	0.000103	0.000075	4	0	4	0.000103
1114	cse4y	o[fptk]eda[lrsm | n]	578	184	0.000103	0.000033	4	0	4	0.000103
1115	y-initial	od[fptk | dlrsmg]	1926	38	0.000103	0.000054	4	0	4	0.000103
1116	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	ote4dy	186	509	0.000103	0.000040	4	0	4	0.000103
1117	ko	cpe4[yo]	179	94	0.000103	0.000092	4	0	4	0.000103
1118	ol[dtk]	o[fptk]ce4[lrsmg]	842	57	0.000103	0.000071	4	0	4	0.000103
1119	ol[dtk]	dcedy relatives	842	85	0.000103	0.000056	4	0	4	0.000103
1120	okce0-4dy	oi4[dlrsmg | n]	188	1124	0.000103	-0.000037	4	0	4	0.000103
1121	yodai0-4l	ote0-4y	143	731	0.000103	0.000034	4	0	4	0.000103
1122	o[fptk]e4dy	opol variants	1444	25	0.000103	0.000079	4	0	4	0.000103
1123	c[s | fptk]e4y	opai0-4n	887	26	0.000103	0.000088	4	0	4	0.000103
1124	c[s | fptk]e4y	opai0-4n	887	29	0.000103	0.000086	4	0	4	0.000103

1125	[yo][fptk]e4o[lr]	[tk]e4dy	449	309	0.000103	0.000011	4	0	4	0.000103
1126	okce0-4y	[dlrsmg] + ai4r	338	190	0.000103	0.000060	4	0	4	0.000103
1127	otod variants	[yo][fp][yoa]	88	339	0.000103	0.000083	4	0	4	0.000103
1128	[yo]d[ao]i0-4[lrm | n]	oo	880	62	0.000103	0.000067	4	0	4	0.000103
1129	[yo]d[ao]i0-4[lrm | n]	o[fptk]e4os	880	106	0.000103	0.000041	4	0	4	0.000103
1130	[yo]ce4y + s infixes	ckeo-initial	172	79	0.000103	0.000094	4	0	4	0.000103
1131	o[lr]a	yodai0-4l	469	143	0.000103	0.000058	4	0	4	0.000103
1132	o[lr]a	[yo]d[ao]i0-4l	469	165	0.000103	0.000052	4	0	4	0.000103
1133	o[lr]a	od[ao]i0-4l	469	154	0.000103	0.000055	4	0	4	0.000103
1134	o[lr]a	odai0-4l	469	133	0.000103	0.000062	4	0	4	0.000103
1135	ytai0-4n	[q | fptk | dlrsmg] + oi0-4[lr]	59	1819	0.000103	0.000032	4	0	4	0.000103
1136	cse4y	opai0-4n	578	26	0.000103	0.000093	4	0	4	0.000103
1137	om	ol[tk]	203	621	0.000103	0.000020	4	0	4	0.000103
1138	om	otce0-4y	203	281	0.000103	0.000065	4	0	4	0.000103
1139	ote4dy	[yo][fp]o	509	95	0.000103	0.000071	4	0	4	0.000103
1140	ote4dy	eta	509	71	0.000103	0.000079	4	0	4	0.000103
1141	cectey relatives	[yo]ke4o[dlrsmg]	197	584	0.000103	0.000027	4	0	4	0.000103
1142	ed[yoa]	otas variants	5851	16	0.000103	0.000041	4	0	4	0.000103
1143	c[fp]e4y + added c-sequences & cfeo-Initial	o[tk]e0-4y	84	2042	0.000103	-0.000010	4	0	4	0.000103
1144	c[fp]e4y + added c-sequences & cfeo-Initial	ea	84	1195	0.000103	0.000037	4	0	4	0.000103
1145	dairol/soral relatives	cse4y	190	578	0.000103	0.000030	4	0	4	0.000103
1146	a[fptk]a	ed[yoa]	23	5851	0.000103	0.000014	4	0	4	0.000103
1147	o[fptk][ao]d	[yo]ke4o[lr]	185	319	0.000103	0.000064	4	0	4	0.000103
1148	od[ao]i0-4[lr]	g	369	132	0.000103	0.000071	4	0	4	0.000103
1149	ofc + e4 + y | dy | o + [lr] Superset	[yo]dy endings	75	1228	0.000103	0.000042	4	0	4	0.000103
1150	cse4y	opai0-4n	578	29	0.000103	0.000092	4	0	4	0.000103
1151	edy	otas variants	4981	16	0.000103	0.000050	4	0	4	0.000103
1152	[dlrsmg] + c | c[s | fptk] + e4dy	cear variants	327	365	0.000103	0.000024	4	0	4	0.000103
1153	[dlrsmg] + c | c[s | fptk] + e4dy	qo variants	327	59	0.000103	0.000090	4	0	4	0.000103
1154	[fptk]e0-4y	oa	161	321	0.000103	0.000069	4	0	4	0.000103
1155	[fptk]e0-4y	[tk]e4o	161	206	0.000103	0.000081	4	0	4	0.000103
1156	ol[yoa]	otce0-4dy	614	172	0.000103	0.000033	4	0	4	0.000103
1157	om	ol[dtk]	203	842	0.000103	-0.000010	4	0	4	0.000103
1158	[yo]c[fptk]e4y	o[fptk]c + e0-4dy	294	554	0.000103	-0.000005	4	0	4	0.000103
1159	yce4y + infixed versions	[tk]e4o	87	206	0.000103	0.000091	4	0	4	0.000103
1160	o[fptk]ai4n	ory	1598	108	0.000103	-0.000011	4	0	4	0.000103
1161	o[fptk]ai4n	okc + e4o	1598	49	0.000103	0.000051	4	0	4	0.000103
1162	olai0-4n	o[fptk]eda[lrsm | n]	126	184	0.000103	0.000087	4	0	4	0.000103
1163	c[fp]e4y + added c-sequences	o[tk]e0-4y	69	2042	0.000103	0.000010	4	0	4	0.000103
1164	ece Noun	ai4r	142	483	0.000103	0.000057	4	0	4	0.000103
1165	yodai0-4[lrm | n]	c[fptk]c polygraph	832	99	0.000103	0.000048	4	0	4	0.000103
1166	tc-initial	oe	345	463	0.000103	-0.000003	4	0	4	0.000103
1167	tc-initial	otar variants	345	345	0.000103	0.000024	4	0	4	0.000103
1168	o[lr]o	c | cs + e0-4s	274	188	0.000103	0.000069	4	0	4	0.000103
1169	o[lr]o	ol[ds]	274	315	0.000103	0.000046	4	0	4	0.000103
1170	o[lr]o	ek[yoa]	274	446	0.000103	0.000022	4	0	4	0.000103
1171	o[lr]o	ece polygraph	274	219	0.000103	0.000063	4	0	4	0.000103
1172	c | c[s | fptk] + e4dy	cte4y	1395	186	0.000103	-0.000068	4	0	4	0.000103
1173	b	c[fptk]e4o-initial & c[fptk]e4y Superclass	25	1659	0.000103	0.000075	4	0	4	0.000103
1174	ea	yce4y + s infixes	1195	82	0.000103	0.000038	4	0	4	0.000103
1175	ckeo-initial	o-axis of [yo][fptk][ao][lr]	79	764	0.000103	0.000063	4	0	4	0.000103
1176	yodai0-4[lrm | n]	opce0-4y	832	111	0.000103	0.000042	4	0	4	0.000103
1177	yodai0-4[lrm | n]	ckeo-initial	832	79	0.000103	0.000059	4	0	4	0.000103
1178	yodai0-4[lrm | n]	okc + e4o	832	49	0.000103	0.000076	4	0	4	0.000103
1179	[yo]d[ao]i0-4r	ce4o	228	160	0.000103	0.000079	4	0	4	0.000103
1180	[dlrsmg]e0-4y	ece Noun	453	142	0.000103	0.000060	4	0	4	0.000103
1181	[fptk]ai4[dlrsmg | n]	o-axis of [yo][fptk][ao][lr]	411	764	0.000103	-0.000104	4	0	4	0.000103
1182	[dlrsmg | fptk] + ai4[dlrsmg]	o[fptk] endings	1444	79	0.000103	0.000027	4	0	4	0.000103
1183	et[yoa]	[yo][fptk]e4o[dlrsmg]	186	924	0.000103	-0.000011	4	0	4	0.000103
1184	o[fptk]c + e0-4y	o[fptk][dlrsmg]	753	68	0.000103	0.000069	4	0	4	0.000103
1185	dl Consonant clusters	o[lr][yoa]	79	1044	0.000103	0.000048	4	0	4	0.000103
1186	dl Consonant clusters	ce4ai4n	79	271	0.000103	0.000089	4	0	4	0.000103
1187	[dlrsmg]ai4m	oa	149	321	0.000103	0.000071	4	0	4	0.000103
1188	okc + e4o	[dlrsmg | fptk] + oi4[dlrsmg | n]	49	809	0.000103	0.000077	4	0	4	0.000103
1189	[yo][fp][yoa]	oly	339	222	0.000103	0.000053	4	0	4	0.000103
1190	o[lr][oa]	ope0-4y	735	34	0.000103	0.000086	4	0	4	0.000103
1191	ol + c | cs + e4o[lr]	edy	34	4981	0.000103	-0.000009	4	0	4	0.000103
1192	ol + c | cs + e4o[lr]	oke0-4y	34	1314	0.000103	0.000073	4	0	4	0.000103
1193	ed[yoa]	[yo]te4os	5851	60	0.000103	-0.000129	4	0	4	0.000103
1194	ed[yoa]	o[fptk | dlrsmg]e4g	5851	19	0.000103	0.000029	4	0	4	0.000103
1195	c[fp]e4y + added c-sequences & cfeo-Initial	oke0-4y	84	1314	0.000103	0.000030	4	0	4	0.000103
1196	yodai0-4n	otal variants	448	333	0.000103	0.000004	4	0	4	0.000103
1197	yodai0-4n	opce0-4y	448	111	0.000103	0.000070	4	0	4	0.000103
1198	yodai0-4n	[yo][fp]ai0-4[rn]	448	111	0.000103	0.000070	4	0	4	0.000103
1199	yodai0-4n	ek[yo]	448	255	0.000103	0.000027	4	0	4	0.000103
1200	yodai0-4n	[yo][fp]a	448	200	0.000103	0.000044	4	0	4	0.000103
1201	cse4y	[dlrsmg] + c | c[s | fptk] + e4dy	578	327	0.000103	-0.000022	4	0	4	0.000103
1202	cse4y	olo	578	175	0.000103	0.000036	4	0	4	0.000103
1203	o[fptk]c + e0-4dy	[yo][fptk]e4od + y	554	284	0.000103	-0.000001	4	0	4	0.000103
1204	a-axis of [yo][fptk][ao][lr]	dl Consonant clusters	1731	79	0.000103	0.000013	4	0	4	0.000103
1205	c[fptk]c polygraph	[dlrsmg | fptk]e0-4y	99	735	0.000103	0.000055	4	0	4	0.000103
1206	[fptk | dlrs] prefixes to dai4[lrsm | n]	cse4dy	83	585	0.000103	0.000071	4	0	4	0.000103
1207	[fptk | dlrs] prefixes to dai4[lrsm | n]	c[s | fptk]e4dy	83	622	0.000103	0.000069	4	0	4	0.000103
1208	[yo]ce4y + s infixes	[fptk | dlrsmg] + c | c[s | fptk] + e4os	172	158	0.000103	0.000085	4	0	4	0.000103
1209	[yo]ce4y + s infixes	cte4[yo]	172	406	0.000103	0.000057	4	0	4	0.000103
1210	odai0-4l	ote0-4y	133	731	0.000103	0.000039	4	0	4	0.000103
1211	okce0-4dy	[yo]tai0-4n	188	490	0.000103	0.000042	4	0	4	0.000103
1212	cse4y	opce0-4y	578	111	0.000103	0.000060	4	0	4	0.000103
1213	cse4y	o[fptk]c + e0-4or	578	135	0.000103	0.000051	4	0	4	0.000103
1214	ote4dy	[yo]po	509	70	0.000103	0.000079	4	0	4	0.000103
1215	ote4dy	[yo]ke4od	509	207	0.000103	0.000033	4	0	4	0.000103
1216	ote4dy	ce0-4s	509	165	0.000103	0.000047	4	0	4	0.000103
1217	[dlrsmg | fptk] + ai4n	[yo]te4os	1724	60	0.000103	0.000034	4	0	4	0.000103
1218	oi4n Superset	c-sequence + e4 + [fptk] + c-sequence + e4 + y	257	84	0.000103	0.000089	4	0	4	0.000103
1219	c-sequence + e4 + [fptk] + e4 + y	lk-initial	101	454	0.000103	0.000072	4	0	4	0.000103
1220	lc-initial	or[oa]	457	340	0.000103	0.000000	4	0	4	0.000103
1221	lc-initial	ora	457	241	0.000103	0.000030	4	0	4	0.000103
1222	[yo]d[ao]i0-4[lrm | n]	okc + e4o	880	49	0.000103	0.000074	4	0	4	0.000103
1223	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	[yo]tai0-4n	186	490	0.000103	0.000043	4	0	4	0.000103
1224	[yo]dy endings	osai0-4n	1228	34	0.000103	0.000075	4	0	4	0.000103
1225	[yo]d[ao]i0-4[lrm | n]	opce0-4y	880	111	0.000103	0.000038	4	0	4	0.000103
1226	yodai0-4r	ce4o	205	160	0.000103	0.000081	4	0	4	0.000103
1227	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	445	230	0.000103	0.000035	4	0	4	0.000103

1228	[fptk]ai4n	cedal variants	191	127	0.000103	0.000087	4	0	4	0.000103
1229	do	c | cs + e0-4s	383	188	0.000103	0.000055	4	0	4	0.000103
1230	do	ce0-4s	383	165	0.000103	0.000061	4	0	4	0.000103
1231	y + Non-[dlrs] Prefixes	ceal variants	205	269	0.000103	0.000066	4	0	4	0.000103
1232	cpeo-initial	[dlrsmg]ai4[lr]	67	875	0.000103	0.000064	4	0	4	0.000103
1233	y + Non-[dlrs] Prefixes	o[fptk]e4dy	205	1444	0.000103	-0.000093	4	0	4	0.000103
1234	do	or[yoa]	383	438	0.000103	-0.000008	4	0	4	0.000103
1235	do	c-sequence + e4 + [fptk] + e4 + y	383	101	0.000103	0.000077	4	0	4	0.000103
1236	[yo]po	oi	70	304	0.000103	0.000089	4	0	4	0.000103
1237	c[s | fptk]e4y	o[fptk]eda[lrsm | n]	887	184	0.000103	-0.000005	4	0	4	0.000103
1238	c[s | fptk]e4y	g	887	132	0.000103	0.000025	4	0	4	0.000103
1239	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	dairol/soral relatives	623	190	0.000103	0.000025	4	0	4	0.000103
1240	ce0-4s	[fptk | dlrsmg] + c | c[s | fptk] + e4o	165	503	0.000103	0.000048	4	0	4	0.000103
1241	c[s | fptk]e4y	[yo]te4od	887	149	0.000103	0.000016	4	0	4	0.000103
1242	o[fptk]c + e0-4dy	o[fptk]eda[lrsm | n]	554	184	0.000103	0.000035	4	0	4	0.000103
1243	eta	[dlrsmg | fptk] + ai4[dlrsmg]	71	1444	0.000103	0.000035	4	0	4	0.000103
1244	o[tk]e4s	[fptk | dlrsmg] + c | c[s | fptk] + e4o	98	503	0.000103	0.000070	4	0	4	0.000103
1245	[yo][fp]ai0-4[rn]	[dlrsmg]ai4[lr]	111	875	0.000103	0.000039	4	0	4	0.000103
1246	[yo][fp]ai0-4[rn]	ai4l	111	306	0.000103	0.000080	4	0	4	0.000103
1247	[yo][fp]ai0-4[rn]	oi4[dlrsmg | n]	111	1124	0.000103	0.000020	4	0	4	0.000103
1248	ai0-4[dlrsmg][dlrsmg]	tc-initial	214	345	0.000103	0.000054	4	0	4	0.000103
1249	et[yo]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	115	503	0.000103	0.000065	4	0	4	0.000103
1250	et[yo]	[yo][fptk]e4o[dlrsmg]	115	924	0.000103	0.000033	4	0	4	0.000103
1251	osa	or[yoa]	66	438	0.000103	0.000084	4	0	4	0.000103
1252	o[fptk]ce4[lrsmg]	y[fptk]-initial	57	1295	0.000103	0.000054	4	0	4	0.000103
1253	okod variants	oe sans oy + oe4y, oe0-4s	74	317	0.000103	0.000087	4	0	4	0.000103
1254	[yo]d[ao]i0-4[lrm | n]	c[fptk]c polygraph	880	99	0.000103	0.000045	4	0	4	0.000103
1255	olk	otce0-4y	557	281	0.000103	-0.000001	4	0	4	0.000103
1256	olk	ora	557	241	0.000103	0.000014	4	0	4	0.000103
1257	ai0-4[dlrsmg][dlrsmg]	oa	214	321	0.000103	0.000057	4	0	4	0.000103
1258	oc[fptk]e4y	opc + e0-4 + y | dy | o[dlrs]y	289	302	0.000103	0.000045	4	0	4	0.000103
1259	[dlrsmg] + ai4[lr] + y-suffix	oro	1035	102	0.000103	0.000033	4	0	4	0.000103
1260	[dlrsmg] + ai4[lr] + y-suffix	e[tk]o	1035	60	0.000103	0.000062	4	0	4	0.000103
1261	otc + e4o	[dlrsmg | fptk] + oi4[dlrsmg | n]	44	809	0.000103	0.000079	4	0	4	0.000103
1262	cse4o	ce4y	205	737	0.000103	0.000003	4	0	4	0.000103
1263	c + e4dy	o[fptk]e4os	3053	106	0.000103	-0.000111	4	0	4	0.000103
1264	yd[ao]i0-4[lrm | n]	o[tk]e0-4y	67	2042	0.000103	0.000012	4	0	4	0.000103
1265	yd[ao]i0-4[lrm | n]	oke0-4y	67	1314	0.000103	0.000045	4	0	4	0.000103
1266	[yo]ke4os	ai4n	46	589	0.000103	0.000085	4	0	4	0.000103
1267	qo variants	[yo]d[ao]i0-4[lrm | n]	59	880	0.000103	0.000068	4	0	4	0.000103
1268	o[fptk][ao]s	ai4l	66	306	0.000103	0.000089	4	0	4	0.000103
1269	o[fptk]ce4[lrsmg]	o[fptk]e4dy	57	1444	0.000103	0.000048	4	0	4	0.000103
1270	qo variants	[dlrsmg | fptk] + ai4n	59	1724	0.000103	0.000036	4	0	4	0.000103
1271	qo variants	o[fptk]ai4n	59	1598	0.000103	0.000041	4	0	4	0.000103
1272	Consonant Clusters	c | cs + e0-4s	115	188	0.000103	0.000088	4	0	4	0.000103
1273	edo	ai4[dlrsmg]	90	930	0.000103	0.000048	4	0	4	0.000103
1274	edo	ce4y	90	737	0.000103	0.000059	4	0	4	0.000103
1275	edo	ai4[lr]	90	782	0.000103	0.000056	4	0	4	0.000103
1276	cke4y	[yo][fptk]e4o[lr]	93	449	0.000103	0.000075	4	0	4	0.000103
1277	[yo]pa	oi4[dlrsmg | n]	141	1124	0.000103	-0.000002	4	0	4	0.000103
1278	okc + e4or	o[tk]e0-4y	54	2042	0.000103	0.000030	4	0	4	0.000103
1279	okai0-4n	okc + e4o	994	49	0.000103	0.000071	4	0	4	0.000103
1280	o[fptk]e4os	oi4[dlrsmg | n]	106	1124	0.000103	0.000024	4	0	4	0.000103
1281	l-prefix + [fptk]e0-4y	a-axis of [yo][fptk][ao][lr]	80	1731	0.000103	0.000011	4	0	4	0.000103
1282	l-prefix + [fptk]e0-4y	[yo][fptk][ao][lr]	80	2688	0.000103	-0.000039	4	0	4	0.000103
1283	l-prefix + [fptk]e0-4y	cedai4[lrsm | n]	80	527	0.000103	0.000075	4	0	4	0.000103
1284	c | cs + e0-4[dlrsmg]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	281	503	0.000103	0.000009	4	0	4	0.000103
1285	cedar variants	o[fptk | dlrsmg][ao]m	176	280	0.000103	0.000070	4	0	4	0.000103
1286	cedar variants	om + o[fptk | dlrsmg]am	176	454	0.000103	0.000050	4	0	4	0.000103
1287	oda	okc + e4o	847	49	0.000103	0.000075	4	0	4	0.000103
1288	oda	oo	847	62	0.000103	0.000068	4	0	4	0.000103
1289	cte4[yo]	ora	406	241	0.000103	0.000038	4	0	4	0.000103
1290	o[fptk]edal	oi4[dlrsmg | n]	40	1124	0.000103	0.000073	4	0	4	0.000103
1291	a[dlrsmg]c	oke4dy	91	933	0.000103	0.000047	4	0	4	0.000103
1292	l[drs] Prefixes	[dlrsmg] + ai4[lr] + y-suffix	95	1035	0.000103	0.000038	4	0	4	0.000103
1293	[tk]e4o	[yo]d[ao]i0-4l	206	165	0.000103	0.000080	4	0	4	0.000103
1294	[tk]e4o	[yo]d[ao]i0-4[lr]	206	393	0.000103	0.000049	4	0	4	0.000103
1295	[tk]e4o	od[ao]i0-4l	206	154	0.000103	0.000082	4	0	4	0.000103
1296	[tk]e4o	od[ao]i0-4[lr]	206	369	0.000103	0.000053	4	0	4	0.000103
1297	opai0-4n	oi4[dlrsmg | n]	26	1124	0.000103	0.000083	4	0	4	0.000103
1298	ceal verbs	dc-initial	230	454	0.000103	0.000034	4	0	4	0.000103
1299	ceal verbs	[yo]ce4y + infixed versions	230	466	0.000103	0.000032	4	0	4	0.000103
1300	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	dai4n	230	1140	0.000103	-0.000070	4	0	4	0.000103
1301	cedal variants	oi4[dlrsmg | n]	127	1124	0.000103	0.000009	4	0	4	0.000103
1302	[fptk | dlrsmg] + c | c[s | fptk] + e4od	okc + e0-4 + y | dy | o[dlrs]y	68	563	0.000103	0.000077	4	0	4	0.000103
1303	o[fptk]edai4n	[yo]dy endings	59	1228	0.000103	0.000055	4	0	4	0.000103
1304	o[fptk]edai4n	otai0-4n	59	430	0.000103	0.000086	4	0	4	0.000103
1305	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	orai0-4n	222	135	0.000103	0.000083	4	0	4	0.000103
1306	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	opai0-4n	2246	26	0.000103	0.000064	4	0	4	0.000103
1307	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	opai0-4n	2246	29	0.000103	0.000060	4	0	4	0.000103
1308	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	o[lr][oa]	230	735	0.000103	-0.000009	4	0	4	0.000103
1309	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	o[lr][yoa]	230	1044	0.000103	-0.000056	4	0	4	0.000103
1310	[yo]d[ao]i0-4[lr]	cke4[yo]	393	172	0.000103	0.000058	4	0	4	0.000103
1311	dc-initial	ke4dy	454	217	0.000103	0.000038	4	0	4	0.000103
1312	dc-initial	cke4y	454	93	0.000103	0.000075	4	0	4	0.000103
1313	ceckey relatives	oce4y + infixed versions	377	379	0.000103	0.000008	4	0	4	0.000103
1314	[yo]d[ao]i0-4m	edy	37	4981	0.000103	-0.000019	4	0	4	0.000103
1315	[yo]ce4y	oe0-4s	113	632	0.000103	0.000056	4	0	4	0.000103
1316	[yo]ce4y	olcey relative	113	277	0.000103	0.000082	4	0	4	0.000103
1317	[yo]doi0-4[lrm | n]	ce4a	48	1009	0.000103	0.000071	4	0	4	0.000103

Table 25.7: Soft Grammar Rules Derived from Left-to-Right Directionality of Word Categories

#	Category 1	Category 2	Word Count 1	Word Count 2	Actual Probability	Probability Difference	Actual Count	Inverse Count	Directionality Count Difference	Directionality Distance	Balance
1	ai4l	c + e4dy	306	3053	0.000617	0.000000	24	1	23	0.000591	0.96000
2	lc-initial	o[fptk]ai4n	457	1598	0.000565	0.000083	22	1	21	0.000540	0.95652
3	c[fptk]e4o-initial & c[fptk]e4y Superclass	okol variants	1659	285	0.000540	0.000227	21	1	20	0.000514	0.95455
4	ai4n	o[fptk]c + e0-4 + y | dy | o[dlrs]y	589	1421	0.000462	-0.000090	18	1	17	0.000437	0.94737
5	o[tk]e4s	ai4[dlrsmg]	98	930	0.000462	0.000402	18	1	17	0.000437	0.94737
6	o[tk]e4s	ai4[lr]	98	782	0.000411	0.000360	16	1	15	0.000385	0.94118
7	[dlrsmg]ai4[lr]	c | cs + e0-4[dlrsmg]	875	281	0.000411	0.000249	16	1	15	0.000385	0.94118
8	so	cse4y	378	578	0.000411	0.000267	16	1	15	0.000385	0.94118
9	[dlrsmg] + ai4[lr] + y-suffix	c | cs + e0-4[dlrsmg]	1035	281	0.000411	0.000219	16	1	15	0.000385	0.94118
10	[dlrsmg | fptk] + ai4[dlrsmg | n]	aro[dlrsmg]	3168	105	0.000411	0.000192	16	1	15	0.000385	0.94118
11	ai4n	c[s | fptk]e4y	589	887	0.000385	0.000041	15	1	14	0.000360	0.93750
12	ai4n	olk	589	557	0.000360	0.000143	14	1	13	0.000334	0.93333
13	[fp]c-Initial	[dlrsmg] + ai4[lr] + y-suffix	387	1035	0.000360	0.000095	14	1	13	0.000334	0.93333
14	l[fptk] Prefixes	dai4n	514	1140	0.000360	-0.000027	14	1	13	0.000334	0.93333
15	l[fptk] Prefixes	c[s | fptk]e4dy	514	622	0.000360	0.000149	14	1	13	0.000334	0.93333
16	okol variants	o[fptk]ai4n	285	1598	0.000360	0.000059	14	1	13	0.000334	0.93333
17	ai4n	ol[tk]	589	621	0.000360	0.000118	14	1	13	0.000334	0.93333
18	ai4[dlrsmg | n]	otc + e0-4 + y | dy | o[dlrs]y	1519	493	0.000360	-0.000135	14	1	13	0.000334	0.93333
19	ai4[dlrsmg | n]	cse4y	1519	578	0.000668	0.000088	26	2	24	0.000617	0.92857
20	oi4[dlrsmg | n]	om	1124	203	0.000334	0.000183	13	1	12	0.000308	0.92857
21	[fptk | dlrsmg] + c | c[s | fptk] + e4os	c + c[s | fptk]e4y	158	1624	0.000334	0.000165	13	1	12	0.000308	0.92857
22	ai4[dlrsmg]	om + o[fptk | dlrsmg]am	930	454	0.000334	0.000055	13	1	12	0.000308	0.92857
23	[dlrsmg | fptk] + ai4n	dai4m	1724	130	0.000334	0.000186	13	1	12	0.000308	0.92857
24	ai4n	o[fptk]e4dy	589	1444	0.000334	-0.000227	13	1	12	0.000308	0.92857
25	[yo]c + e4o Superclass	[fptk | dlrsmg] + c | c[s | fptk] + e4o	345	503	0.000334	0.000219	13	1	12	0.000308	0.92857
26	[dlrsmg | fptk] + ai4[dlrsmg | n]	c | cs + e0-4d	3168	89	0.000334	0.000148	13	1	12	0.000308	0.92857
27	[yo][fp][yoa]	oi4[dlrsmg | n]	339	1124	0.000334	0.000082	13	1	12	0.000308	0.92857
28	[dlrsmg | fptk] + ai4n	Detached Class Modifiers	1724	95	0.000334	0.000226	13	1	12	0.000308	0.92857
29	om + o[fptk | dlrsmg]am	dc-initial	454	454	0.000334	0.000198	13	1	12	0.000308	0.92857
30	[dlrsmg]ai4[lr]	ai4r	875	483	0.000642	0.000363	25	2	23	0.000591	0.92593
31	dcedy relatives	o[fptk]e4dy	85	1444	0.000308	0.000227	12	1	11	0.000283	0.92308
32	pc-initial	[dlrsmg] + ai4[lr] + y-suffix	307	1035	0.000308	0.000099	12	1	11	0.000283	0.92308
33	y + Non-[dlrs] Prefixes	ea	205	1195	0.000308	0.000147	12	1	11	0.000283	0.92308
34	cte4y	[yo][fptk][ao][lr]	186	2688	0.000308	-0.000022	12	1	11	0.000283	0.92308
35	y + Non-[dlrs] Prefixes	ce4a	205	1009	0.000308	0.000172	12	1	11	0.000283	0.92308
36	cedar variants	c + c[s | fptk]e4y	176	1624	0.000308	0.000120	12	1	11	0.000283	0.92308
37	o[fptk]ai4n	a[dlrsmg]am	1598	92	0.000308	0.000211	12	1	11	0.000283	0.92308
38	y-initial	olcey relatives (non -edy)	1926	138	0.000308	0.000133	12	1	11	0.000283	0.92308
39	lk-initial	dai4n	454	1140	0.000308	-0.000033	12	1	11	0.000283	0.92308
40	lk-initial	c[s | fptk]e4dy	454	622	0.000308	0.000122	12	1	11	0.000283	0.92308
41	ai4[dlrsmg | n]	om	1519	203	0.000308	0.000105	12	1	11	0.000283	0.92308
42	ai4[dlrsmg | n]	oce4y + infixed versions	1519	379	0.000308	-0.000072	12	1	11	0.000283	0.92308
43	o[tk]e0-4y	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	2042	230	0.000591	0.000281	23	2	21	0.000540	0.92000
44	pc-initial	[dlrsmg | fptk] + ai4[dlrsmg | n]	307	3168	0.000591	-0.000051	23	2	21	0.000540	0.92000
45	ai4[dlrsmg | n]	c[s | fptk]e4y	1519	887	0.000848	-0.000041	33	3	30	0.000771	0.91667
46	ai4[dlrsmg | n]	aro[dlrsmg]	1519	105	0.000283	0.000177	11	1	10	0.000257	0.91667
47	[yo]kai0-4n	ai4l	1067	306	0.000283	0.000067	11	1	10	0.000257	0.91667
48	[dlrsmg | fptk] + ai4n	ola	1724	228	0.000283	0.000023	11	1	10	0.000257	0.91667
49	ai4[dlrsmg]	[yo]ce4y + infixed versions	930	466	0.000283	-0.000003	11	1	10	0.000257	0.91667
50	otce0-4y	[dlrsmg | fptk]e0-4y	281	735	0.000283	0.000146	11	1	10	0.000257	0.91667
51	[fp]c-Initial	[dlrsmg]ai4[lr]	387	875	0.000283	0.000059	11	1	10	0.000257	0.91667
52	cte4[yo]	[dlrsmg]e0-4y	406	453	0.000283	0.000161	11	1	10	0.000257	0.91667
53	[fptk]ai4[dlrsmg | n]	cedai4[lrsm | n]	411	527	0.000283	0.000140	11	1	10	0.000257	0.91667
54	[yo][fptk]e4o[lr]	[dlrsmg]ai4[lr]	449	875	0.000283	0.000023	11	1	10	0.000257	0.91667
55	o[fptk][ao]s	ai4[dlrsmg | n]	66	1519	0.000283	0.000216	11	1	10	0.000257	0.91667
56	otal variants	[dlrsmg] + ai4[lr] + y-suffix	333	1035	0.000540	0.000312	21	2	19	0.000488	0.91304
57	ai4n	c + c[s | fptk]e4y	589	1624	0.000771	0.000139	30	3	27	0.000694	0.90909
58	cse4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4y	585	2060	0.000514	-0.000282	20	2	18	0.000462	0.90909
59	cse4dy	okce0-4dy	585	188	0.000257	0.000184	10	1	9	0.000231	0.90909
60	[fptk]ai4n	okai0-4n	191	994	0.000257	0.000132	10	1	9	0.000231	0.90909
61	dai4n	dai4m	1140	130	0.000257	0.000159	10	1	9	0.000231	0.90909
62	ek[yo]	okal variants	255	544	0.000257	0.000165	10	1	9	0.000231	0.90909
63	eko	[yo][fptk][ao][lr]	38	2688	0.000257	0.000189	10	1	9	0.000231	0.90909
64	olk	ote0-4y	557	731	0.000257	-0.000012	10	1	9	0.000231	0.90909
65	[yo][fptk]e4o[lr]	oi4[dlrsmg | n]	449	1124	0.000257	-0.000076	10	1	9	0.000231	0.90909
66	ai4l	[fptk | dlrsmg] + c | c[s | fptk] + e4y	306	2060	0.000257	-0.000159	10	1	9	0.000231	0.90909
67	eky	okal variants	217	544	0.000257	0.000179	10	1	9	0.000231	0.90909
68	ol[dtk]	otol variants	842	239	0.000257	0.000124	10	1	9	0.000231	0.90909
69	ko	dai4n	179	1140	0.000257	0.000122	10	1	9	0.000231	0.90909
70	om	dc-initial	203	454	0.000257	0.000196	10	1	9	0.000231	0.90909
71	[yo]ke4o	[dlrsmg] + ai4[lr] + y-suffix	89	1035	0.000257	0.000196	10	1	9	0.000231	0.90909
72	[fptk]ai4[dlrsmg | n]	c[s | fptk]e4dy	411	622	0.000257	0.000088	10	1	9	0.000231	0.90909
73	[fptk]ai4[dlrsmg | n]	ai4n	411	589	0.000257	0.000097	10	1	9	0.000231	0.90909
74	[fptk]ai4[dlrsmg | n]	cse4dy	411	585	0.000257	0.000098	10	1	9	0.000231	0.90909
75	e[tk]o	o-axis of [yo][fptk][ao][lr]	60	764	0.000257	0.000227	10	1	9	0.000231	0.90909
76	c[s | fptk]e4dy	okce0-4dy	622	188	0.000257	0.000180	10	1	9	0.000231	0.90909
77	[fp]c-Initial	[dlrsmg | fptk] + ai4n	387	1724	0.000257	-0.000183	10	1	9	0.000231	0.90909
78	c[fptk]e4o-initial & c[fptk]e4y Superclass	ory	1659	108	0.000257	0.000139	10	1	9	0.000231	0.90909
79	ai4n	ek[yoa]	589	446	0.000257	0.000084	10	1	9	0.000231	0.90909
80	ai4r	ce4y	483	737	0.000257	0.000022	10	1	9	0.000231	0.90909
81	[yo][fptk]e4od	[yo]kai0-4n	355	1067	0.000257	0.000007	10	1	9	0.000231	0.90909
82	[yo][fptk]e4od	okai0-4n	355	994	0.000257	0.000024	10	1	9	0.000231	0.90909
83	okai0-4n	ai4l	994	306	0.000257	0.000056	10	1	9	0.000231	0.90909
84	te4dy	[dlrsmg | fptk] + ai4[dlrsmg | n]	91	3168	0.000257	0.000067	10	1	9	0.000231	0.90909
85	o[lr][yo]	so	583	378	0.000257	0.000111	10	1	9	0.000231	0.90909
86	o[fptk]eda[lrsm | n]	[q | fptk | dlrsmg] + oi0-4[lr]	184	1819	0.000257	0.000036	10	1	9	0.000231	0.90909
87	ety	o[tk]e0-4y	93	2042	0.000257	0.000132	10	1	9	0.000231	0.90909
88	c + c[s | fptk]e4y	qo variants	1624	59	0.000257	0.000194	10	1	9	0.000231	0.90909
89	ai4[dlrsmg | n]	[fptk]e0-4y	1519	161	0.000257	0.000095	10	1	9	0.000231	0.90909
90	ai4[dlrsmg | n]	cedaiin variants	1519	189	0.000257	0.000067	10	1	9	0.000231	0.90909
91	a[lr][ao][lr]	c[s | fptk]e4y	391	887	0.000257	0.000028	10	1	9	0.000231	0.90909
92	[fptk | dlrsmg] + c | c[s | fptk] + e4os	ai4n	158	589	0.000257	0.000195	10	1	9	0.000231	0.90909
93	o[fptk]edar	ai4[dlrsmg | n]	72	1519	0.000257	0.000185	10	1	9	0.000231	0.90909
94	ce4o	c[fptk]e4o-initial & c[fptk]e4y Superclass	160	1659	0.000257	0.000082	10	1	9	0.000231	0.90909
95	[fp]c-Initial	o[fptk]ai4n	387	1598	0.000257	-0.000151	10	1	9	0.000231	0.90909
96	dai4n	Detached Class Modifiers	1140	95	0.000257	0.000185	10	1	9	0.000231	0.90909
97	lc-initial	[dlrsmg | fptk] + ai4n	457	1724	0.000257	-0.000263	10	1	9	0.000231	0.90909

98	ai4[dlrsmg | n]	[yo]ce4y + infixed versions	1519	466	0.000488	0.000021	19	2	17	0.000437	0.90476
99	okai0-4n	ceal variants	994	269	0.000488	0.000312	19	2	17	0.000437	0.90476
100	[yo]kai0-4n	ceal variants	1067	269	0.000488	0.000299	19	2	17	0.000437	0.90476
101	otal variants	[dlrsmg]ai4[lr]	333	875	0.000488	0.000296	19	2	17	0.000437	0.90476
102	oke0-4y	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	1314	230	0.000488	0.000289	19	2	17	0.000437	0.90476
103	ai4n	[yo]kai0-4n	589	1067	0.000719	0.000305	28	3	25	0.000642	0.90323
104	ai4[dlrsmg]	[fptk | dlrsmg] + c | c[s | fptk] + e4y	930	2060	0.000951	-0.000314	37	4	33	0.000848	0.90244
105	ai4n	okai0-4n	589	994	0.000694	0.000307	27	3	24	0.000617	0.90000
106	ai4[dlrsmg]	c[s | fptk]e4y	930	887	0.000462	-0.000082	18	2	16	0.000411	0.90000
107	[yo]kai0-4n	ceal verbs	1067	230	0.000462	0.000300	18	2	16	0.000411	0.90000
108	okai0-4n	ceal verbs	994	230	0.000462	0.000312	18	2	16	0.000411	0.90000
109	[fptk]e0-4y	[dlrsmg | fptk] + ai4[dlrsmg | n]	161	3168	0.000462	0.000126	18	2	16	0.000411	0.90000
110	c | c[s | fptk] + e4dy	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	1395	222	0.000231	0.000027	9	1	8	0.000206	0.90000
111	ece Noun	oke0-4y	142	1314	0.000231	0.000108	9	1	8	0.000206	0.90000
112	eko	o-axis of [yo][fptk][ao][lr]	38	764	0.000231	0.000212	9	1	8	0.000206	0.90000
113	old	so	225	378	0.000231	0.000175	9	1	8	0.000206	0.90000
114	o[tk]e0-4y	[tk]y	2042	52	0.000231	0.000161	9	1	8	0.000206	0.90000
115	cse4y	opc + e0-4 + y | dy | o[dlrs]y	578	302	0.000231	0.000116	9	1	8	0.000206	0.90000
116	[yo]te4os	ai4[dlrsmg]	60	930	0.000231	0.000194	9	1	8	0.000206	0.90000
117	o[lr]y	otc + e0-4 + y | dy | o[dlrs]y	318	493	0.000231	0.000128	9	1	8	0.000206	0.90000
118	[fptk | dlrsmg] + c | c[s | fptk] + e4y	opce0-4dy	2060	159	0.000231	0.000015	9	1	8	0.000206	0.90000
119	[yo]d[ao]i0-4l	[dlrsmg | fptk] + ai4n	165	1724	0.000231	0.000043	9	1	8	0.000206	0.90000
120	[yo]ke4o	[dlrsmg]ai4[lr]	89	875	0.000231	0.000180	9	1	8	0.000206	0.90000
121	o[fptk]c + e0-4 + y | dy | o[dlrs]y	otc + e4ol	1421	66	0.000231	0.000169	9	1	8	0.000206	0.90000
122	y-initial	[yo]ce4y + s infixes	1926	172	0.000231	0.000013	9	1	8	0.000206	0.90000
123	y-initial	o[fptk]e4os	1926	106	0.000231	0.000096	9	1	8	0.000206	0.90000
124	ai4n	[yo]tai0-4n	589	490	0.000231	0.000041	9	1	8	0.000206	0.90000
125	ai4l	c | c[s | fptk] + e4dy	306	1395	0.000231	-0.000051	9	1	8	0.000206	0.90000
126	[tk]e4dy	[dlrsmg | fptk] + ai4n	309	1724	0.000231	-0.000120	9	1	8	0.000206	0.90000
127	[yo][fp]a	[dlrsmg] + ai4[lr] + y-suffix	200	1035	0.000231	0.000095	9	1	8	0.000206	0.90000
128	l[fptk] Prefixes	otai0-4n	514	430	0.000231	0.000085	9	1	8	0.000206	0.90000
129	Single-Letter Words	[dlrsmg] + c | c[s | fptk] + e4dy	566	327	0.000231	0.000109	9	1	8	0.000206	0.90000
130	otar variants	om + o[fptk | dlrsmg]am	345	454	0.000231	0.000128	9	1	8	0.000206	0.90000
131	ai4[dlrsmg]	aro[dlrsmg]	930	105	0.000231	0.000167	9	1	8	0.000206	0.90000
132	ol[ds]	o[fptk]c + e0-4or	315	135	0.000231	0.000203	9	1	8	0.000206	0.90000
133	od endings	[fptk | dlrsmg] + c | c[s | fptk] + e4o	243	503	0.000231	0.000151	9	1	8	0.000206	0.90000
134	cean variants	edy	255	4981	0.000231	-0.000607	9	1	8	0.000206	0.90000
135	ai4n	otai0-4n	589	430	0.000231	0.000064	9	1	8	0.000206	0.90000
136	ai4n	o[fptk]c + e0-4dy	589	554	0.000231	0.000016	9	1	8	0.000206	0.90000
137	[tk]c-Initial	opc + e0-4 + y | dy | o[dlrs]y	667	302	0.000231	0.000098	9	1	8	0.000206	0.90000
138	pc-initial	o[fptk]ai4n	307	1598	0.000231	-0.000093	9	1	8	0.000206	0.90000
139	[sr]c-Initial	[fptk | dlrsmg] + c | c[s | fptk] + e4or	179	733	0.000231	0.000145	9	1	8	0.000206	0.90000
140	cke4[yo]	[yo][fptk]e4o[lr]	172	449	0.000231	0.000180	9	1	8	0.000206	0.90000
141	l[fptk] Prefixes	ai4n	514	589	0.000231	0.000031	9	1	8	0.000206	0.90000
142	oi4[dlrsmg | n]	[fptk]e0-4y	1124	161	0.000231	0.000112	9	1	8	0.000206	0.90000
143	pc-initial	[dlrsmg]ai4[lr]	307	875	0.000231	0.000054	9	1	8	0.000206	0.90000
144	ai4l	c + c[s | fptk]e4y	306	1624	0.000231	-0.000097	9	1	8	0.000206	0.90000
145	a[dlrsmg]am	[dlrsmg] + ai4[lr] + y-suffix	92	1035	0.000231	0.000168	9	1	8	0.000206	0.90000
146	ola	ol[tk]	228	621	0.000231	0.000138	9	1	8	0.000206	0.90000
147	om + o[fptk | dlrsmg]am	[yo]ce4y + infixed versions	454	466	0.000231	0.000092	9	1	8	0.000206	0.90000
148	ai4[dlrsmg | n]	c + c[s | fptk]e4y	1519	1624	0.001593	-0.000035	62	7	55	0.001413	0.89855
149	ai4[dlrsmg | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4y	1519	2060	0.001747	-0.000318	68	8	60	0.001541	0.89474
150	ai4[lr]	oke0-4y	782	1314	0.000437	-0.000241	17	2	15	0.000385	0.89474
151	o[fptk]e4os	ai4n	106	589	0.000437	0.000396	17	2	15	0.000385	0.89474
152	l[fptk] Prefixes	[dlrsmg | fptk] + ai4n	514	1724	0.000437	-0.000148	17	2	15	0.000385	0.89474
153	[fptk]ai4[dlrsmg | n]	ai4r	411	483	0.000437	0.000306	17	2	15	0.000385	0.89474
154	ai4[dlrsmg]	c + c[s | fptk]e4y	930	1624	0.000822	-0.000175	32	4	28	0.000719	0.88889
155	ai4[dlrsmg | n]	om + o[fptk | dlrsmg]am	1519	454	0.000617	0.000161	24	3	21	0.000540	0.88889
156	ai4[lr]	c[s | fptk]e4y	782	887	0.000411	-0.000047	16	2	14	0.000360	0.88889
157	ce0-4s	ai4n	165	589	0.000411	0.000347	16	2	14	0.000360	0.88889
158	c + c[s | fptk]e4y	[dlrsmg] + c | c[s | fptk] + e4dy	1624	327	0.000411	0.000061	16	2	14	0.000360	0.88889
159	[dlrsmg] + c | c[s | fptk] + e4dy	o[fptk]ai4n	327	1598	0.000411	0.000066	16	2	14	0.000360	0.88889
160	ek[yo]	o-axis of [yo][fptk][ao][lr]	255	764	0.000411	0.000282	16	2	14	0.000360	0.88889
161	[fptk]ai4n	o[fptk]ai4n	191	1598	0.000411	0.000210	16	2	14	0.000360	0.88889
162	[q | fptk | dlrsmg] + oi0-4[lr]	oi4n	1819	58	0.000411	0.000341	16	2	14	0.000360	0.88889
163	o[tk]e4s	ai4r	98	483	0.000206	0.000174	8	1	7	0.000180	0.88889
164	[fptk] + c | c[s | fptk] + e4o	[dlrsmg | fptk] + ai4[dlrsmg | n]	51	3168	0.000206	0.000099	8	1	7	0.000180	0.88889
165	[yo][fp]y	y-initial	44	1926	0.000206	0.000150	8	1	7	0.000180	0.88889
166	ai4[dlrsmg | n]	ceckey relatives	1519	377	0.000206	-0.000172	8	1	7	0.000180	0.88889
167	ai4[dlrsmg | n]	ek[yo]	1519	255	0.000206	-0.000050	8	1	7	0.000180	0.88889
168	ai4[dlrsmg | n]	otce0-4dy	1519	172	0.000206	0.000033	8	1	7	0.000180	0.88889
169	ai4[lr]	ke4dy	782	217	0.000206	0.000094	8	1	7	0.000180	0.88889
170	lk-initial	ai4n	454	589	0.000206	0.000029	8	1	7	0.000180	0.88889
171	lk-initial	otai0-4n	454	430	0.000206	0.000077	8	1	7	0.000180	0.88889
172	cedai4[lrsm | n]	oce4y + infixed versions	527	379	0.000206	0.000074	8	1	7	0.000180	0.88889
173	cedai4[lrsm | n]	[yo]c[fptk]e4y	527	294	0.000206	0.000103	8	1	7	0.000180	0.88889
174	cedai4[lrsm | n]	oc[s | fptk]e4y	527	319	0.000206	0.000095	8	1	7	0.000180	0.88889
175	cedai4[lrsm | n]	[yo]c[s | fptk]e4y	527	353	0.000206	0.000083	8	1	7	0.000180	0.88889
176	cedai4[lrsm | n]	[yo]ce4y + infixed versions	527	466	0.000206	0.000043	8	1	7	0.000180	0.88889
177	cedai4[lrsm | n]	oc[fptk]e4y	527	289	0.000206	0.000105	8	1	7	0.000180	0.88889
178	[dlrsmg | fptk] + ai4[dlrsmg]	c | cs + e0-4d	1444	89	0.000206	0.000121	8	1	7	0.000180	0.88889
179	[yo]d[ao]i0-4[lrm | n]	[yo][fp]a	880	200	0.000206	0.000089	8	1	7	0.000180	0.88889
180	o[fptk]c + e0-4y	[tk]e4o	753	206	0.000206	0.000103	8	1	7	0.000180	0.88889
181	od[ao]i0-4l	[dlrsmg | fptk] + ai4n	154	1724	0.000206	0.000030	8	1	7	0.000180	0.88889
182	okc + e4or	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	54	2246	0.000206	0.000125	8	1	7	0.000180	0.88889
183	[dlrsmg] + c | c[s | fptk] + e4dy	[dlrsmg | fptk] + ai4n	327	1724	0.000206	-0.000167	8	1	7	0.000180	0.88889
184	[fptk]e0-4y	o[fptk]ai4n	161	1598	0.000206	0.000036	8	1	7	0.000180	0.88889
185	c | c[s | fptk] + e4dy	o[lr]y	1395	318	0.000206	-0.000087	8	1	7	0.000180	0.88889
186	c + c[s | fptk]e4y	[yo]te4od	1624	149	0.000206	0.000046	8	1	7	0.000180	0.88889
187	c + c[s | fptk]e4y	ocke4y	1624	162	0.000206	0.000032	8	1	7	0.000180	0.88889
188	ke4dy	o[fptk]c + e0-4dy	217	554	0.000206	0.000126	8	1	7	0.000180	0.88889
189	ke4dy	o[fptk]ai4n	217	1598	0.000206	-0.000023	8	1	7	0.000180	0.88889
190	ola	olk	228	557	0.000206	0.000122	8	1	7	0.000180	0.88889
191	c[s | fptk]e4y	[yo]c[fptk]e4y	887	294	0.000206	0.000033	8	1	7	0.000180	0.88889
192	c[s | fptk]e4y	oc[fptk]e4y	887	289	0.000206	0.000036	8	1	7	0.000180	0.88889
193	cse4y	ote4dy	578	509	0.000206	0.000011	8	1	7	0.000180	0.88889
194	[fptk]ai4n	olk	191	557	0.000206	0.000135	8	1	7	0.000180	0.88889
195	[fptk]ai4n	ol[tk]	191	621	0.000206	0.000127	8	1	7	0.000180	0.88889
196	[fptk]ai4n	ol[dtk]	191	842	0.000206	0.000099	8	1	7	0.000180	0.88889
197	ote4dy	okal variants	509	544	0.000206	0.000023	8	1	7	0.000180	0.88889
198	c[s | fptk]e4y	[yo]te4ol	887	99	0.000206	0.000148	8	1	7	0.000180	0.88889
199	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	[yo]ke4o[dlrsmg]	623	584	0.000206	-0.000035	8	1	7	0.000180	0.88889

200	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[yo]te4od	2060	149	0.000206	0.000003	8	1	7	0.000180	0.88889
201	o[tk]e0-4y	ce4o	2042	160	0.000206	-0.000010	8	1	7	0.000180	0.88889
202	oc[fpt]e4y	[yo][fptk]e4o[dlrsmg]	132	924	0.000206	0.000125	8	1	7	0.000180	0.88889
203	[yo][fptk]e4o	[dlrsmg]ai4[lr]	88	875	0.000206	0.000155	8	1	7	0.000180	0.88889
204	[yo][fptk]e4o	[dlrsmg] + ai4[lr] + y-suffix	88	1035	0.000206	0.000145	8	1	7	0.000180	0.88889
205	cedar variants	opce0-4dy	176	159	0.000206	0.000187	8	1	7	0.000180	0.88889
206	c | c[fptk] + e4o	ai4[dlrsmg]	228	930	0.000206	0.000066	8	1	7	0.000180	0.88889
207	c | c[fptk] + e4o	ai4[lr]	228	782	0.000206	0.000088	8	1	7	0.000180	0.88889
208	ai4[lr]	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	782	623	0.000206	-0.000116	8	1	7	0.000180	0.88889
209	ai4[lr]	[yo]ce4y + infixed versions	782	466	0.000206	-0.000035	8	1	7	0.000180	0.88889
210	[tk]e4dy	om + o[fptk | dlrsmg]am	309	454	0.000206	0.000113	8	1	7	0.000180	0.88889
211	ai4[lr]	aro[dlrsmg]	782	105	0.000206	0.000151	8	1	7	0.000180	0.88889
212	ai4[lr]	[tk]e4dy	782	309	0.000206	0.000046	8	1	7	0.000180	0.88889
213	ai4[dlrsmg | n]	g	1519	132	0.000206	0.000073	8	1	7	0.000180	0.88889
214	[dlrsmg | fptk] + oi4[dlrsmg | n]	oi	809	304	0.000206	0.000043	8	1	7	0.000180	0.88889
215	o[fptk]edar	ai4[dlrsmg]	72	930	0.000206	0.000161	8	1	7	0.000180	0.88889
216	oda	[yo][fp]a	847	200	0.000206	0.000094	8	1	7	0.000180	0.88889
217	oa	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	321	623	0.000206	0.000074	8	1	7	0.000180	0.88889
218	oi4n	ed[yoa]	58	5851	0.000206	-0.000018	8	1	7	0.000180	0.88889
219	[fptk]ai4[lr]	cse4dy	190	585	0.000206	0.000132	8	1	7	0.000180	0.88889
220	[fptk]ai4[lr]	c[s | fptk]e4dy	190	622	0.000206	0.000128	8	1	7	0.000180	0.88889
221	[fptk]ai4[lr]	ai4n	190	589	0.000206	0.000132	8	1	7	0.000180	0.88889
222	or[yo]	Single-Letter Words	200	566	0.000206	0.000131	8	1	7	0.000180	0.88889
223	yc + e4o[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	68	1227	0.000206	0.000150	8	1	7	0.000180	0.88889
224	oke0-4y	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	1314	222	0.000206	0.000013	8	1	7	0.000180	0.88889
225	otar variants	o[fptk | dlrsmg][ao]m	345	280	0.000206	0.000142	8	1	7	0.000180	0.88889
226	o[lr][yo]	otce0-4y	583	281	0.000206	0.000097	8	1	7	0.000180	0.88889
227	[yo]kai0-4n	a[dlrsmg]am	1067	92	0.000206	0.000141	8	1	7	0.000180	0.88889
228	[tk]e4o	[fptk | dlrsmg] + c | c[s | fptk] + e4or	206	733	0.000206	0.000106	8	1	7	0.000180	0.88889
229	cke4[yo]	[yo]ke4o[lr]	172	319	0.000206	0.000169	8	1	7	0.000180	0.88889
230	cke4[yo]	[yo]ke4o[dlrsmg]	172	584	0.000206	0.000139	8	1	7	0.000180	0.88889
231	o[fptk]e4dy	ce0-4s	1444	165	0.000206	0.000048	8	1	7	0.000180	0.88889
232	ai4n	[yo]ce4y + infixed versions	589	466	0.000206	0.000024	8	1	7	0.000180	0.88889
233	kc-initial	eda	322	784	0.000206	0.000039	8	1	7	0.000180	0.88889
234	[fptk | dlrsmg] + c | c[s | fptk] + e4or	ek[yo]	733	255	0.000206	0.000082	8	1	7	0.000180	0.88889
235	ai4r	aro[dlrsmg]	483	105	0.000206	0.000172	8	1	7	0.000180	0.88889
236	[yo][fptk]e4od + y	[yo]kai0-4n	284	1067	0.000206	0.000006	8	1	7	0.000180	0.88889
237	[yo][fptk]e4od + y	okai0-4n	284	994	0.000206	0.000019	8	1	7	0.000180	0.88889
238	[yo][fptk]e4od	ol[dtk]	355	842	0.000206	0.000008	8	1	7	0.000180	0.88889
239	ai4[dlrsmg]	yodai0-4n	930	448	0.000206	-0.000069	8	1	7	0.000180	0.88889
240	ai4[dlrsmg]	odai0-4n	930	408	0.000206	-0.000045	8	1	7	0.000180	0.88889
241	ai4[dlrsmg]	[yo]d[ao]i0-4n	930	450	0.000206	-0.000071	8	1	7	0.000180	0.88889
242	ai4[dlrsmg]	ke4dy	930	217	0.000206	0.000072	8	1	7	0.000180	0.88889
243	ai4[dlrsmg]	od[ao]i0-4n	930	410	0.000206	-0.000046	8	1	7	0.000180	0.88889
244	ai4n	[fptk | dlrsmg] + c | c[s | fptk] + e4y	589	2060	0.000796	-0.000004	31	4	27	0.000694	0.88571
245	[dlrsmg | fptk] + ai4[dlrsmg]	ai4r	1444	483	0.001156	0.000696	45	6	39	0.001002	0.88235
246	ai4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4y	782	2060	0.000771	-0.000293	30	4	26	0.000668	0.88235
247	ai4[lr]	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	782	222	0.000385	0.000271	15	2	13	0.000334	0.88235
248	ai4[dlrsmg | n]	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	1519	623	0.000385	-0.000239	15	2	13	0.000334	0.88235
249	ce4y	[fptk]ai4[lr]	737	190	0.000385	0.000293	15	2	13	0.000334	0.88235
250	ai4[dlrsmg]	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	930	222	0.000385	0.000249	15	2	13	0.000334	0.88235
251	ai4[dlrsmg]	cse4y	930	578	0.000385	0.000031	15	2	13	0.000334	0.88235
252	ai4n	ce4y	589	737	0.000385	0.000099	15	2	13	0.000334	0.88235
253	pc-initial	[yo][fptk][ao][lr]	307	2688	0.000385	-0.000159	15	2	13	0.000334	0.88235
254	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	o[fptk]ai4n	230	1598	0.000385	0.000143	15	2	13	0.000334	0.88235
255	pc-initial	[dlrsmg | fptk] + ai4[dlrsmg]	307	1444	0.000385	0.000093	15	2	13	0.000334	0.88235
256	[q | fptk | dlrsmg] + oi0-4[lr]	e-initial	1819	68	0.000385	0.000304	15	2	13	0.000334	0.88235
257	cse4dy	okc + e0-4 + y | dy | o[dlrs]y	585	563	0.000385	0.000168	15	2	13	0.000334	0.88235
258	cse4dy	c + c[s | fptk]e4y	585	1624	0.000385	-0.000242	15	2	13	0.000334	0.88235
259	ai4n	o[fptk]ai4n	589	1598	0.000951	0.000329	37	5	32	0.000822	0.88095
260	oe0-4s	ai4n	632	589	0.001516	0.001270	59	8	51	0.001310	0.88060
261	[yo]te4os	ai4[dlrsmg | n]	60	1519	0.000565	0.000505	22	3	19	0.000488	0.88000
262	[dlrsmg] + ai4[lr] + y-suffix	ai4r	1035	483	0.000745	0.000415	29	4	25	0.000642	0.87879
263	ai4[dlrsmg | n]	ce4y	1519	737	0.000745	0.000006	29	4	25	0.000642	0.87879
264	ai4[lr]	c + c[s | fptk]e4y	782	1624	0.000745	-0.000093	29	4	25	0.000642	0.87879
265	o[fptk]e4os	ai4[dlrsmg | n]	106	1519	0.000745	0.000639	29	4	25	0.000642	0.87879
266	[fp]c-Initial	[dlrsmg | fptk] + ai4[dlrsmg | n]	387	3168	0.000719	-0.000090	28	4	24	0.000617	0.87500
267	ai4r	[fptk | dlrsmg] + c | c[s | fptk] + e4y	483	2060	0.000540	-0.000117	21	3	18	0.000462	0.87500
268	ai4[dlrsmg | n]	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	1519	222	0.000540	0.000317	21	3	18	0.000462	0.87500
269	o[lr]o	y-initial	274	1926	0.000540	0.000191	21	3	18	0.000462	0.87500
270	ea	cse4dy	1195	585	0.000360	-0.000102	14	2	12	0.000308	0.87500
271	ea	c[s | fptk]e4dy	1195	622	0.000360	-0.000131	14	2	12	0.000308	0.87500
272	ote4dy	o-axis of [yo][fptk][ao][lr]	509	764	0.000360	0.000103	14	2	12	0.000308	0.87500
273	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	o[fptk]ai4n	186	1598	0.000360	0.000163	14	2	12	0.000308	0.87500
274	[yo]ke4o	[dlrsmg | fptk] + ai4[dlrsmg]	89	1444	0.000360	0.000275	14	2	12	0.000308	0.87500
275	ai4[dlrsmg | n]	o[fptk]c + e0-4dy	1519	554	0.000360	-0.000196	14	2	12	0.000308	0.87500
276	[fptk | dlrsmg] + c | c[s | fptk] + e4os	[fptk | dlrsmg] + c | c[s | fptk] + e4y	158	2060	0.000360	0.000145	14	2	12	0.000308	0.87500
277	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	ke4dy	1227	217	0.000360	0.000184	14	2	12	0.000308	0.87500
278	ai4[dlrsmg]	ce4y	930	737	0.000360	-0.000093	14	2	12	0.000308	0.87500
279	ai4r	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	483	222	0.000360	0.000289	14	2	12	0.000308	0.87500
280	[fp]c-Initial	[yo][fp][yoa]	387	339	0.000360	0.000273	14	2	12	0.000308	0.87500
281	lk-initial	[dlrsmg | fptk] + ai4n	454	1724	0.000360	-0.000157	14	2	12	0.000308	0.87500
282	oi	ek[yoa]	304	446	0.000180	0.000090	7	1	6	0.000154	0.87500
283	[yo]ke4os	ai4[dlrsmg | n]	46	1519	0.000180	0.000134	7	1	6	0.000154	0.87500
284	od[ao]i0-4[lrm | n]	o[fptk]c + e0-4o	813	101	0.000180	0.000126	7	1	6	0.000154	0.87500
285	ai4[dlrsmg | n]	eky	1519	217	0.000180	-0.000038	7	1	6	0.000154	0.87500
286	ai4[dlrsmg | n]	yce4y + infixed versions	1519	87	0.000180	0.000093	7	1	6	0.000154	0.87500
287	okal variants	cear variants	544	365	0.000180	0.000049	7	1	6	0.000154	0.87500
288	okal variants	cear verbs	544	303	0.000180	0.000071	7	1	6	0.000154	0.87500
289	o[fptk | dlrsmg][ao]m	[yo]ce4y + infixed versions	280	466	0.000180	0.000094	7	1	6	0.000154	0.87500
290	[yo]d[ao]i0-4n	[yo][fp][yoa]	450	339	0.000180	0.000079	7	1	6	0.000154	0.87500
291	Consonant Clusters	ai4n	115	589	0.000180	0.000135	7	1	6	0.000154	0.87500
292	[yo][fp]ai0-4[rn]	[dlrsmg | fptk] + ai4[dlrsmg]	111	1444	0.000180	0.000074	7	1	6	0.000154	0.87500
293	sai4n	c[s | fptk]e4dy	258	622	0.000180	0.000074	7	1	6	0.000154	0.87500
294	sai4n	cse4dy	258	585	0.000180	0.000080	7	1	6	0.000154	0.87500
295	okal variants	sai4n	544	258	0.000180	0.000087	7	1	6	0.000154	0.87500
296	[fp]c-Initial	o[lr][yo]	387	583	0.000180	0.000031	7	1	6	0.000154	0.87500
297	[yo][fptk]e4ol	[dlrsmg]ai4[lr]	322	875	0.000180	-0.000006	7	1	6	0.000154	0.87500
298	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	otol variants	519	239	0.000180	0.000098	7	1	6	0.000154	0.87500
299	od endings + odcey relatives	l[fptk] Prefixes	275	514	0.000180	0.000087	7	1	6	0.000154	0.87500
300	cke4[yo]	[yo][fptk]e4ol	172	322	0.000180	0.000143	7	1	6	0.000154	0.87500

301	[dlrsmg]ai4[lr]	c | cs + e0-4d	875	89	0.000180	0.000128	7	1	6	0.000154	0.87500
302	e-initial	ai4[dlrsmg | n]	68	1519	0.000180	0.000112	7	1	6	0.000154	0.87500
303	rc-initial	[dlrsmg | fptk] + ai4[dlrsmg | n]	76	3168	0.000180	0.000021	7	1	6	0.000154	0.87500
304	y[fptk]-initial	[yo]ce4y + s infixes	1295	172	0.000180	0.000033	7	1	6	0.000154	0.87500
305	[tk]e4o	o[fptk]e4dy	206	1444	0.000180	-0.000016	7	1	6	0.000154	0.87500
306	eka	ceckey relatives	191	377	0.000180	0.000132	7	1	6	0.000154	0.87500
307	[ao][lr][ao][lr] Pipe/Flow	dc-initial	843	454	0.000180	-0.000073	7	1	6	0.000154	0.87500
308	c[fptk]e4y	[yo]ke4o[dlrsmg]	310	584	0.000180	0.000060	7	1	6	0.000154	0.87500
309	o[fptk]e4os	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	106	2246	0.000180	0.000023	7	1	6	0.000154	0.87500
310	[yo][fptk]e4od + y	ol[dtk]	284	842	0.000180	0.000022	7	1	6	0.000154	0.87500
311	cteo-initial	[dlrsmg]e0-4y	220	453	0.000180	0.000114	7	1	6	0.000154	0.87500
312	otc + e0-4 + y | dy | o[dlrs]y	cteo-initial	493	220	0.000180	0.000108	7	1	6	0.000154	0.87500
313	otc + e0-4 + y | dy | o[dlrs]y	[dlrsmg]e0-4y	493	453	0.000180	0.000032	7	1	6	0.000154	0.87500
314	otc + e0-4 + y | dy | o[dlrs]y	[fptk]e0-4y	493	161	0.000180	0.000127	7	1	6	0.000154	0.87500
315	[fptk | dlrsmg] + c | c[s | fptk] + e4or	eky	733	217	0.000180	0.000075	7	1	6	0.000154	0.87500
316	ol[tk]	[yo]ke4ol	621	223	0.000180	0.000088	7	1	6	0.000154	0.87500
317	od endings + odcey relatives	lk-initial	275	454	0.000180	0.000097	7	1	6	0.000154	0.87500
318	eky	o-axis of [yo][fptk][ao][lr]	217	764	0.000180	0.000070	7	1	6	0.000154	0.87500
319	odai0-4[lrm | n]	o[fptk]c + e0-4o	767	101	0.000180	0.000129	7	1	6	0.000154	0.87500
320	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	ai4r	230	483	0.000180	0.000107	7	1	6	0.000154	0.87500
321	[yo]ke4o[lr]	[dlrsmg | fptk] + ai4[dlrsmg]	319	1444	0.000180	-0.000124	7	1	6	0.000154	0.87500
322	[yo]ke4o[lr]	oi4[dlrsmg | n]	319	1124	0.000180	-0.000057	7	1	6	0.000154	0.87500
323	[dlrsmg | fptk] + oi4[dlrsmg | n]	oi4n Superset	809	257	0.000180	0.000043	7	1	6	0.000154	0.87500
324	te4dy	[dlrsmg | fptk] + ai4[dlrsmg]	91	1444	0.000180	0.000093	7	1	6	0.000154	0.87500
325	dc-initial	oc[fptk]e4y	454	289	0.000180	0.000093	7	1	6	0.000154	0.87500
326	dc-initial	[tk]e4dy	454	309	0.000180	0.000087	7	1	6	0.000154	0.87500
327	od[ao]i0-4n	cse4o	410	205	0.000180	0.000124	7	1	6	0.000154	0.87500
328	dc-initial	[yo][fptk]e4od	454	355	0.000180	0.000073	7	1	6	0.000154	0.87500
329	[yo]ke4o[lr]	[dlrsmg] + ai4[lr] + y-suffix	319	1035	0.000180	-0.000038	7	1	6	0.000154	0.87500
330	[yo]ke4o[lr]	[dlrsmg]ai4[lr]	319	875	0.000180	-0.000004	7	1	6	0.000154	0.87500
331	ai4n	ote4dy	589	509	0.000180	-0.000018	7	1	6	0.000154	0.87500
332	ol[tk]	otol variants	621	239	0.000180	0.000082	7	1	6	0.000154	0.87500
333	[yo]ke4od	o[fptk]ai4n	207	1598	0.000180	-0.000038	7	1	6	0.000154	0.87500
334	ai4l	o[tk]e0-4y	306	2042	0.000180	-0.000233	7	1	6	0.000154	0.87500
335	ai4[dlrsmg]	[fptk]e0-4y	930	161	0.000180	0.000081	7	1	6	0.000154	0.87500
336	[yo][fp]a	oi4[dlrsmg | n]	200	1124	0.000180	0.000031	7	1	6	0.000154	0.87500
337	ai4[dlrsmg]	g	930	132	0.000180	0.000099	7	1	6	0.000154	0.87500
338	ol[ds]	otc + e4or	315	58	0.000180	0.000168	7	1	6	0.000154	0.87500
339	otce0-4y	cteo-initial	281	220	0.000180	0.000139	7	1	6	0.000154	0.87500
340	opal variants	[dlrsmg | fptk] + ai4n	42	1724	0.000180	0.000132	7	1	6	0.000154	0.87500
341	otal variants	a[lr][ao][lr]	333	391	0.000180	0.000094	7	1	6	0.000154	0.87500
342	opc + e0-4 + y | dy | o[dlrs]y	oke0-4y	302	1314	0.000180	-0.000082	7	1	6	0.000154	0.87500
343	oi4n	edy	58	4981	0.000180	-0.000011	7	1	6	0.000154	0.87500
344	yodai0-4[lr]	cse4o	348	205	0.000180	0.000133	7	1	6	0.000154	0.87500
345	ol[oa]	[yo]ke4o[lr]	401	319	0.000180	0.000095	7	1	6	0.000154	0.87500
346	oke4dy	om + o[fptk | dlrsmg]am	933	454	0.000180	-0.000100	7	1	6	0.000154	0.87500
347	od[ao]i0-4r	ai4n	215	589	0.000180	0.000096	7	1	6	0.000154	0.87500
348	[dlrsmg | fptk] + ai4n	olai0-4n	1724	126	0.000180	0.000036	7	1	6	0.000154	0.87500
349	a-axis of [yo][fptk][ao][lr]	[dlrsmg]ai4m	1731	149	0.000180	0.000010	7	1	6	0.000154	0.87500
350	c[fptk]c polygraph	[dlrsmg | fptk] + ai4n	99	1724	0.000180	0.000067	7	1	6	0.000154	0.87500
351	sai4n	ek[yo]	258	255	0.000180	0.000136	7	1	6	0.000154	0.87500
352	sai4n	eky	258	217	0.000180	0.000143	7	1	6	0.000154	0.87500
353	sai4n	cse4y	258	578	0.000180	0.000081	7	1	6	0.000154	0.87500
354	oi4[dlrsmg | n]	e-initial	1124	68	0.000180	0.000129	7	1	6	0.000154	0.87500
355	[dlrsmg] + ai4r	cse4dy	190	585	0.000180	0.000106	7	1	6	0.000154	0.87500
356	cear verbs	[yo]dy endings	303	1228	0.000180	-0.000066	7	1	6	0.000154	0.87500
357	otai0-4n	[dlrsmg] + ai4[lr] + y-suffix	430	1035	0.000180	-0.000114	7	1	6	0.000154	0.87500
358	oa	[yo]te4o[dlrsmg]	321	341	0.000180	0.000108	7	1	6	0.000154	0.87500
359	o[fptk]e4os	[ao][lr][ao][lr] Pipe/Flow	106	843	0.000180	0.000121	7	1	6	0.000154	0.87500
360	oda	o[fptk]c + e0-4o	847	101	0.000180	0.000123	7	1	6	0.000154	0.87500
361	ai4[dlrsmg | n]	[yo]c + e4dy	1519	110	0.000180	0.000070	7	1	6	0.000154	0.87500
362	ai4[dlrsmg | n]	c[fptk]e4y	1519	310	0.000180	-0.000131	7	1	6	0.000154	0.87500
363	ai4[dlrsmg | n]	et[yo]	1519	115	0.000180	0.000065	7	1	6	0.000154	0.87500
364	ke4dy	[yo]kai0-4n	217	1067	0.000180	0.000027	7	1	6	0.000154	0.87500
365	ke4dy	ote0-4y	217	731	0.000180	0.000075	7	1	6	0.000154	0.87500
366	ke4dy	okai0-4n	217	994	0.000180	0.000037	7	1	6	0.000154	0.87500
367	a[lr][ao][lr]	dairol/soral relatives	391	190	0.000180	0.000131	7	1	6	0.000154	0.87500
368	ceal verbs	Single-Letter Words	230	566	0.000180	0.000094	7	1	6	0.000154	0.87500
369	[tk]e4dy	o[fptk | dlrsmg][ao]m	309	280	0.000180	0.000123	7	1	6	0.000154	0.87500
370	okar variants	[yo]d[ao]i0-4[lr]	493	393	0.000180	0.000052	7	1	6	0.000154	0.87500
371	edy	[yo]te4or	4981	31	0.000180	0.000078	7	1	6	0.000154	0.87500
372	dc-initial	[yo]c[fptk]e4y	454	294	0.000180	0.000092	7	1	6	0.000154	0.87500
373	e-initial	o[tk]e0-4y	68	2042	0.000180	0.000088	7	1	6	0.000154	0.87500
374	o[lr][yoa]	otce0-4dy	1044	172	0.000180	0.000061	7	1	6	0.000154	0.87500
375	o[lr][yoa]	ce4o	1044	160	0.000180	0.000070	7	1	6	0.000154	0.87500
376	y-initial	oe4y	1926	66	0.000180	0.000096	7	1	6	0.000154	0.87500
377	y-initial	[yo]te4os	1926	60	0.000180	0.000104	7	1	6	0.000154	0.87500
378	odai0-4[lr]	cse4o	326	205	0.000180	0.000136	7	1	6	0.000154	0.87500
379	ai4l	o[lr][yoa]	306	1044	0.000180	-0.000031	7	1	6	0.000154	0.87500
380	ai4l	o[lr][oa]	306	735	0.000180	0.000031	7	1	6	0.000154	0.87500
381	[fptk] + c | c[s | fptk] + e4dy	[dlrsmg | fptk] + ai4[dlrsmg]	196	1444	0.000180	-0.000007	7	1	6	0.000154	0.87500
382	[yo]d[ao]i0-4l	dai4n	165	1140	0.000180	0.000056	7	1	6	0.000154	0.87500
383	olk	otol variants	557	239	0.000180	0.000092	7	1	6	0.000154	0.87500
384	o[fptk]e4dy	eta	1444	71	0.000180	0.000112	7	1	6	0.000154	0.87500
385	[yo]d[ao]i0-4[lrm | n]	o[fptk]c + e0-4o	880	101	0.000180	0.000121	7	1	6	0.000154	0.87500
386	ol[dtk]	otc + e4or	842	58	0.000180	0.000148	7	1	6	0.000154	0.87500
387	[yo]dy endings	[yo]te4o	1228	49	0.000180	0.000140	7	1	6	0.000154	0.87500
388	g	so	132	378	0.000180	0.000147	7	1	6	0.000154	0.87500
389	[yo]c + e4o Superclass	[yo][fptk]e4od	345	355	0.000180	0.000099	7	1	6	0.000154	0.87500
390	cse4y	[tk]e4dy	578	309	0.000180	0.000062	7	1	6	0.000154	0.87500
391	cse4y	[fptk] + c | c[s | fptk] + e4dy	578	196	0.000180	0.000105	7	1	6	0.000154	0.87500
392	rai4n	c[s | fptk]e4y	115	887	0.000180	0.000113	7	1	6	0.000154	0.87500
393	olk	[yo]ke4o[lr]	557	319	0.000180	0.000063	7	1	6	0.000154	0.87500
394	olk	[yo]ke4ol	557	223	0.000180	0.000098	7	1	6	0.000154	0.87500
395	o[fptk]c + e0-4y	otc + e4ol	753	66	0.000180	0.000147	7	1	6	0.000154	0.87500
396	o[fptk]c + e0-4y	o[fptk]c + e0-4o	753	101	0.000180	0.000130	7	1	6	0.000154	0.87500
397	[dlrsmg | fptk] + ai4[dlrsmg]	dcedy relatives	1444	85	0.000180	0.000099	7	1	6	0.000154	0.87500
398	c | cs + e0-4l	Single-Letter Words	64	566	0.000180	0.000156	7	1	6	0.000154	0.87500
399	c | cs + e0-4l	lk-initial	64	454	0.000180	0.000161	7	1	6	0.000154	0.87500
400	[dlrsmg | fptk] + ai4[dlrsmg]	rai4n	1444	115	0.000180	0.000070	7	1	6	0.000154	0.87500
401	[fptk]ai4[dlrsmg | n]	[yo]tai0-4n	411	490	0.000180	0.000047	7	1	6	0.000154	0.87500
402	[yo]d[ao]i0-4r	ai4n	228	589	0.000180	0.000091	7	1	6	0.000154	0.87500

403	[dlrsmg]ai4m	so	149	378	0.000180	0.000143	7	1	6	0.000154	0.87500
404	yodai0-4[lrm | n]	[yo][fp]a	832	200	0.000180	0.000070	7	1	6	0.000154	0.87500
405	olcey relatives (non -edy)	lc-initial	138	457	0.000180	0.000138	7	1	6	0.000154	0.87500
406	ek[yoa]	o[lr]y	446	318	0.000180	0.000086	7	1	6	0.000154	0.87500
407	yodai0-4n	[yo][fp][yoa]	448	339	0.000180	0.000080	7	1	6	0.000154	0.87500
408	x	ai4[dlrsmg | n]	37	1519	0.000180	0.000143	7	1	6	0.000154	0.87500
409	oe	opc + e0-4 + y | dy | o[dlrs]y	463	302	0.000180	0.000088	7	1	6	0.000154	0.87500
410	edy	cedam variants	4981	30	0.000180	0.000081	7	1	6	0.000154	0.87500
411	c | c[s | fptk] + e4dy	[yo]ke4od	1395	207	0.000180	-0.000011	7	1	6	0.000154	0.87500
412	ece Noun	[dlrsmg | fptk] + ai4[dlrsmg]	142	1444	0.000180	0.000044	7	1	6	0.000154	0.87500
413	olai0-4n	[fptk | dlrsmg] + c | c[s | fptk] + e4y	126	2060	0.000180	0.000009	7	1	6	0.000154	0.87500
414	olai0-4n	c + c[s | fptk]e4y	126	1624	0.000180	0.000045	7	1	6	0.000154	0.87500
415	o[fptk]c + e0-4 + y | dy | o[dlrs]y	o[fptk]c + e0-4o	1421	101	0.000180	0.000085	7	1	6	0.000154	0.87500
416	o + c | cs + e4o[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	88	1227	0.000180	0.000109	7	1	6	0.000154	0.87500
417	[dlrsmg] + ai4[lr] + y-suffix	c | cs + e0-4d	1035	89	0.000180	0.000119	7	1	6	0.000154	0.87500
418	ol[oa]	[yo]ke4ol	401	223	0.000180	0.000121	7	1	6	0.000154	0.87500
419	ol[yo]	so	388	378	0.000180	0.000083	7	1	6	0.000154	0.87500
420	oce4y + s infixes	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	90	2246	0.000180	0.000046	7	1	6	0.000154	0.87500
421	cte4y	[yo][fptk]e4o[dlrsmg]	186	924	0.000180	0.000066	7	1	6	0.000154	0.87500
422	yodai0-4[lrm | n]	o[fptk]c + e0-4o	832	101	0.000180	0.000124	7	1	6	0.000154	0.87500
423	c | cs + e0-4l	l[fptk] Prefixes	64	514	0.000180	0.000158	7	1	6	0.000154	0.87500
424	c + c[s | fptk]e4y	l-prefix + [fptk]e0-4y	1624	80	0.000180	0.000094	7	1	6	0.000154	0.87500
425	c[s | fptk]e4y	[tk]e4dy	887	309	0.000180	-0.000001	7	1	6	0.000154	0.87500
426	c[s | fptk]e4y	[fptk] + c | c[s | fptk] + e4dy	887	196	0.000180	0.000065	7	1	6	0.000154	0.87500
427	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	dc-initial	623	454	0.000180	-0.000007	7	1	6	0.000154	0.87500
428	[yo]dy endings	[yo][fptk]e4o	1228	88	0.000180	0.000109	7	1	6	0.000154	0.87500
429	cectey relatives	[yo][fptk]e4o[dlrsmg]	197	924	0.000180	0.000060	7	1	6	0.000154	0.87500
430	ote4dy	otol variants	509	239	0.000180	0.000100	7	1	6	0.000154	0.87500
431	c | c[s | fptk] + e4dy	[yo]te4o[lr]	1395	130	0.000180	0.000060	7	1	6	0.000154	0.87500
432	c[s | fptk]e4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4y	622	2060	0.000514	-0.000332	20	3	17	0.000437	0.86957
433	ai4r	c + c[s | fptk]e4y	483	1624	0.000514	-0.000004	20	3	17	0.000437	0.86957
434	otal variants	[dlrsmg | fptk] + ai4[dlrsmg]	333	1444	0.000668	0.000351	26	4	22	0.000565	0.86667
435	ai4[lr]	cse4y	782	578	0.000334	0.000036	13	2	11	0.000283	0.86667
436	[tk]e4dy	o[fptk]ai4n	309	1598	0.000334	0.000008	13	2	11	0.000283	0.86667
437	ai4[lr]	ce4y	782	737	0.000334	-0.000046	13	2	11	0.000283	0.86667
438	ai4[lr]	ce4dy	782	755	0.000334	-0.000056	13	2	11	0.000283	0.86667
439	ai4[dlrsmg | n]	o[fptk | dlrsmg][ao]m	1519	280	0.000334	0.000053	13	2	11	0.000283	0.86667
440	oa	[fptk | dlrsmg] + c | c[s | fptk] + e4or	321	733	0.000334	0.000179	13	2	11	0.000283	0.86667
441	oi4[dlrsmg | n]	ke4dy	1124	217	0.000334	0.000173	13	2	11	0.000283	0.86667
442	c[fptk]e4y	[yo][fptk]e4o[dlrsmg]	310	924	0.000334	0.000145	13	2	11	0.000283	0.86667
443	ai4n	c | c[s | fptk] + e4dy	589	1395	0.000334	-0.000208	13	2	11	0.000283	0.86667
444	[fptk | dlrsmg] + c | c[s | fptk] + e4y	qo variants	2060	59	0.000334	0.000254	13	2	11	0.000283	0.86667
445	[fptk]ai4[dlrsmg | n]	olk	411	557	0.000334	0.000183	13	2	11	0.000283	0.86667
446	[yo]te4os	ai4n	60	589	0.000334	0.000311	13	2	11	0.000283	0.86667
447	oke4dy	otal variants	933	333	0.000334	0.000129	13	2	11	0.000283	0.86667
448	[yo][fp][yoa]	[dlrsmg] + ai4[lr] + y-suffix	339	1035	0.000334	0.000102	13	2	11	0.000283	0.86667
449	Consonant Clusters	ai4[lr]	115	782	0.000334	0.000275	13	2	11	0.000283	0.86667
450	[dlrsmg | fptk] + oi4[dlrsmg | n]	c[s | fptk]e4dy	809	622	0.000822	0.000490	32	5	27	0.000694	0.86486
451	o[fptk]e4dy	otal variants	1444	333	0.000488	0.000171	19	3	16	0.000411	0.86364
452	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	[tk]e4dy	1227	309	0.000488	0.000238	19	3	16	0.000411	0.86364
453	om + o[fptk | dlrsmg]am	[yo]c + e4o Superclass	454	345	0.000488	0.000385	19	3	16	0.000411	0.86364
454	oke4dy	[dlrsmg | fptk] + oi4[dlrsmg | n]	933	809	0.000488	-0.000010	19	3	16	0.000411	0.86364
455	ai4n	[yo]dy endings	589	1228	0.000642	0.000165	25	4	21	0.000540	0.86207
456	ai4n	edy	589	4981	0.001259	-0.000678	49	8	41	0.001053	0.85965
457	ai4l	edy	306	4981	0.000925	-0.000081	36	6	30	0.000771	0.85714
458	[fp]c-Initial	[dlrsmg | fptk] + ai4[dlrsmg]	387	1444	0.000462	0.000094	18	3	15	0.000385	0.85714
459	ai4[dlrsmg | n]	oke4dy	1519	933	0.000462	-0.000473	18	3	15	0.000385	0.85714
460	cear variants	om + o[fptk | dlrsmg]am	365	454	0.000308	0.000199	12	2	10	0.000257	0.85714
461	o[fptk]e4os	ai4[dlrsmg]	106	930	0.000308	0.000243	12	2	10	0.000257	0.85714
462	[sr]c-Initial	[dlrsmg | fptk] + ai4n	179	1724	0.000308	0.000105	12	2	10	0.000257	0.85714
463	oke4dy	o[fptk]eda[lrsm | n]	933	184	0.000308	0.000195	12	2	10	0.000257	0.85714
464	a-axis of [yo][fptk][ao][lr]	sai4n	1731	258	0.000308	0.000014	12	2	10	0.000257	0.85714
465	c + c[s | fptk]e4y	[yo]c[fptk]e4y	1624	294	0.000308	-0.000007	12	2	10	0.000257	0.85714
466	cteo-initial	oe0-4s	220	632	0.000308	0.000217	12	2	10	0.000257	0.85714
467	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	ce4a	519	1009	0.000308	-0.000037	12	2	10	0.000257	0.85714
468	okar variants	ek[yo]	493	255	0.000308	0.000225	12	2	10	0.000257	0.85714
469	okar variants	eky	493	217	0.000308	0.000238	12	2	10	0.000257	0.85714
470	[dlrsmg | fptk] + oi4[dlrsmg | n]	cean variants	809	255	0.000308	0.000172	12	2	10	0.000257	0.85714
471	cedar variants	[fptk | dlrsmg] + c | c[s | fptk] + e4y	176	2060	0.000308	0.000069	12	2	10	0.000257	0.85714
472	o[fptk]c + e0-4 + y | dy | o[dlrs]y	cteo-initial	1421	220	0.000308	0.000102	12	2	10	0.000257	0.85714
473	o[tk]e0-4y	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	2042	222	0.000308	0.000009	12	2	10	0.000257	0.85714
474	e[tk]o	[yo][fptk][ao][lr]	60	2688	0.000308	0.000202	12	2	10	0.000257	0.85714
475	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	[dlrsmg | fptk] + ai4[dlrsmg | n]	186	3168	0.000308	-0.000081	12	2	10	0.000257	0.85714
476	[fptk]ai4[dlrsmg | n]	eda	411	784	0.000308	0.000096	12	2	10	0.000257	0.85714
477	o[lr]o	y[fptk]-initial	274	1295	0.000308	0.000074	12	2	10	0.000257	0.85714
478	[dlrsmg | fptk] + ai4n	oy + oe4y	1724	207	0.000308	0.000073	12	2	10	0.000257	0.85714
479	a-axis of [yo][fptk][ao][lr]	otam variants	1731	88	0.000308	0.000208	12	2	10	0.000257	0.85714
480	c + c[s | fptk]e4y	oc[fptk]e4y	1624	289	0.000308	-0.000001	12	2	10	0.000257	0.85714
481	[q | fptk | dlrsmg] + oi0-4[lr]	aro[dlrsmg]	1819	105	0.000308	0.000182	12	2	10	0.000257	0.85714
482	[q | fptk | dlrsmg] + oi0-4[lr]	yd[ao]i0-4[lrm | n]	1819	67	0.000154	0.000074	6	1	5	0.000128	0.85714
483	[yo]te4os	ai4[lr]	60	782	0.000154	0.000123	6	1	5	0.000128	0.85714
484	ola	o[fptk]c + e0-4 + y | dy | o[dlrs]y	228	1421	0.000154	-0.000060	6	1	5	0.000128	0.85714
485	okce0-4dy	o-axis of [yo][fptk][ao][lr]	188	764	0.000154	0.000059	6	1	5	0.000128	0.85714
486	oo + oe4o	ea	133	1195	0.000154	0.000049	6	1	5	0.000128	0.85714
487	cke4y	o[tk]e0-4y	93	2042	0.000154	0.000029	6	1	5	0.000128	0.85714
488	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	[yo][fptk][ao][lr]	44	2688	0.000154	0.000076	6	1	5	0.000128	0.85714
489	ote4dy	otal variants	509	333	0.000154	0.000042	6	1	5	0.000128	0.85714
490	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	otol variants	445	239	0.000154	0.000084	6	1	5	0.000128	0.85714
491	Single-Letter Words	otce0-4y	566	281	0.000154	0.000049	6	1	5	0.000128	0.85714
492	od[ao]i0-4l	dai4n	154	1140	0.000154	0.000038	6	1	5	0.000128	0.85714
493	od[ao]i0-4l	om + o[fptk | dlrsmg]am	154	454	0.000154	0.000108	6	1	5	0.000128	0.85714
494	oe0-4s	o[dlrs]ce4y Superset	632	196	0.000154	0.000072	6	1	5	0.000128	0.85714
495	cte4y	o-axis of [yo][fptk][ao][lr]	186	764	0.000154	0.000060	6	1	5	0.000128	0.85714
496	olai0-4n	oda	126	847	0.000154	0.000084	6	1	5	0.000128	0.85714
497	ece Adjective	o[fptk]c + e0-4 + y | dy | o[dlrs]y	69	1421	0.000154	0.000089	6	1	5	0.000128	0.85714
498	o[fptk]eda[lrsm | n]	or[oa]	184	340	0.000154	0.000113	6	1	5	0.000128	0.85714
499	cean variants	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	255	623	0.000154	0.000049	6	1	5	0.000128	0.85714
500	cean verbs	okc + e0-4 + y | dy | o[dlrs]y	213	563	0.000154	0.000075	6	1	5	0.000128	0.85714
501	[fptk]e0-4y	[yo]kai0-4n	161	1067	0.000154	0.000041	6	1	5	0.000128	0.85714
502	[fptk]e0-4y	okai0-4n	161	994	0.000154	0.000049	6	1	5	0.000128	0.85714
503	[dlrsmg | fptk] + ai4[dlrsmg]	ce0-4s	1444	165	0.000154	-0.000003	6	1	5	0.000128	0.85714

504	o + c | cs + e4or	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	40	2246	0.000154	0.000095	6	1	5	0.000128	0.85714
505	ek[yoa]	[yo]ke4o[dlrsmg]	446	584	0.000154	-0.000018	6	1	5	0.000128	0.85714
506	o[lr][oa]	old	735	225	0.000154	0.000045	6	1	5	0.000128	0.85714
507	oc[fptk]e4y	o[fptk]e4dy	289	1444	0.000154	-0.000121	6	1	5	0.000128	0.85714
508	yodai0-4[lrm | n]	ek[yo]	832	255	0.000154	0.000014	6	1	5	0.000128	0.85714
509	o[fptk]c + e0-4y	[tk]y	753	52	0.000154	0.000128	6	1	5	0.000128	0.85714
510	o[fptk]c + e0-4y	[fptk]ai4n	753	191	0.000154	0.000059	6	1	5	0.000128	0.85714
511	c + e4dy	ceam variants	3053	76	0.000154	0.000001	6	1	5	0.000128	0.85714
512	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	ai4r	186	483	0.000154	0.000095	6	1	5	0.000128	0.85714
513	[yo]d[ao]i0-4[lrm | n]	[yo]pa	880	141	0.000154	0.000072	6	1	5	0.000128	0.85714
514	ek[yo]	okol variants	255	285	0.000154	0.000106	6	1	5	0.000128	0.85714
515	[yo][fp][yoa]	[dlrsmg]e0-4y	339	453	0.000154	0.000053	6	1	5	0.000128	0.85714
516	o[tk]e0-4y	Consonant Clusters	2042	115	0.000154	-0.000001	6	1	5	0.000128	0.85714
517	olai0-4n	yodai0-4[lrm | n]	126	832	0.000154	0.000085	6	1	5	0.000128	0.85714
518	olai0-4n	[yo]d[ao]i0-4[lrm | n]	126	880	0.000154	0.000081	6	1	5	0.000128	0.85714
519	olai0-4n	ce4y	126	737	0.000154	0.000093	6	1	5	0.000128	0.85714
520	ea	ece polygraph	1195	219	0.000154	-0.000019	6	1	5	0.000128	0.85714
521	[dlrsmg] + ai4[lr] + y-suffix	ce0-4s	1035	165	0.000154	0.000041	6	1	5	0.000128	0.85714
522	[dlrsmg] + ai4[lr] + y-suffix	rai4n	1035	115	0.000154	0.000076	6	1	5	0.000128	0.85714
523	[dlrsmg] + ai4[lr] + y-suffix	c | cs + e0-4s	1035	188	0.000154	0.000026	6	1	5	0.000128	0.85714
524	c | c[fptk] + e4o	ke4o	228	137	0.000154	0.000134	6	1	5	0.000128	0.85714
525	c | c[fptk] + e4o	[tk]e4o	228	206	0.000154	0.000123	6	1	5	0.000128	0.85714
526	ol[yoa]	kc-initial	614	322	0.000154	0.000024	6	1	5	0.000128	0.85714
527	oe	oc[fptk]e4y	463	289	0.000154	0.000066	6	1	5	0.000128	0.85714
528	oe	[yo]c[fptk]e4y	463	294	0.000154	0.000064	6	1	5	0.000128	0.85714
529	[yo]ce4y + s infixes	otai0-4n	172	430	0.000154	0.000105	6	1	5	0.000128	0.85714
530	[yo]d[ao]i0-4[lrm | n]	ek[yo]	880	255	0.000154	0.000006	6	1	5	0.000128	0.85714
531	[yo]dy endings	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	1228	230	0.000154	-0.000032	6	1	5	0.000128	0.85714
532	[yo]dy endings	[yo]te4os	1228	60	0.000154	0.000106	6	1	5	0.000128	0.85714
533	ol[dtk]	o[fptk][dlrsmg]	842	68	0.000154	0.000116	6	1	5	0.000128	0.85714
534	ol[dtk]	[sr]c-Initial	842	179	0.000154	0.000055	6	1	5	0.000128	0.85714
535	o[fptk]e4dy	[yo][fp]o	1444	95	0.000154	0.000064	6	1	5	0.000128	0.85714
536	ce0-4s	[tk]c-Initial	165	667	0.000154	0.000082	6	1	5	0.000128	0.85714
537	[fptk] + c | c[s | fptk] + e4dy	ol[tk]	196	621	0.000154	0.000074	6	1	5	0.000128	0.85714
538	[fptk] + c | c[s | fptk] + e4dy	[yo][fp][yoa]	196	339	0.000154	0.000110	6	1	5	0.000128	0.85714
539	[fptk] + c | c[s | fptk] + e4dy	ol[dtk]	196	842	0.000154	0.000045	6	1	5	0.000128	0.85714
540	[fptk] + c | c[s | fptk] + e4dy	olk	196	557	0.000154	0.000082	6	1	5	0.000128	0.85714
541	c[s | fptk]e4dy	olcey relative	622	277	0.000154	0.000040	6	1	5	0.000128	0.85714
542	ko	c | c[s | fptk] + e4dy	179	1395	0.000154	-0.000011	6	1	5	0.000128	0.85714
543	yodai0-4r	ai4n	205	589	0.000154	0.000074	6	1	5	0.000128	0.85714
544	o[fptk]ai4n	c-sequence + e4 + [fptk] + e4 + y	1598	101	0.000154	0.000048	6	1	5	0.000128	0.85714
545	ytai0-4n	a-axis of [yo][fptk][ao][lr]	59	1731	0.000154	0.000087	6	1	5	0.000128	0.85714
546	[dlrsmg | fptk] + ai4[dlrsmg | n]	ytai0-4n	3168	59	0.000154	0.000031	6	1	5	0.000128	0.85714
547	[yo]e0-4[fp]e0-4[yo]	[dlrsmg | fptk] + ai4[dlrsmg]	149	1444	0.000154	0.000012	6	1	5	0.000128	0.85714
548	[dlrsmg | fptk]e0-4y	okar variants	735	493	0.000154	-0.000085	6	1	5	0.000128	0.85714
549	[yo][fptk][ao][lr]	cedam variants	2688	30	0.000154	0.000101	6	1	5	0.000128	0.85714
550	[fptk]ai4[dlrsmg | n]	a[lr][ao][lr]	411	391	0.000154	0.000048	6	1	5	0.000128	0.85714
551	okce0-4y	om	338	203	0.000154	0.000109	6	1	5	0.000128	0.85714
552	okce0-4y	okar variants	338	493	0.000154	0.000044	6	1	5	0.000128	0.85714
553	[yo][fptk]e4ol	cteo-initial	322	220	0.000154	0.000107	6	1	5	0.000128	0.85714
554	[yo]d[ao]i0-4l	[fptk | dlrsmg] + c | c[s | fptk] + e4or	165	733	0.000154	0.000074	6	1	5	0.000128	0.85714
555	yd[ao]i0-4n	c[fptk]e4o-initial & c[fptk]e4y Superclass	40	1659	0.000154	0.000110	6	1	5	0.000128	0.85714
556	[yo]ke4ol	cteo-initial	223	220	0.000154	0.000122	6	1	5	0.000128	0.85714
557	ocke4y	o-axis of [yo][fptk][ao][lr]	162	764	0.000154	0.000072	6	1	5	0.000128	0.85714
558	[yo]tai0-4n	o[fptk]c + e0-4ol	490	159	0.000154	0.000103	6	1	5	0.000128	0.85714
559	[yo]tai0-4n	[dlrsmg]ai4[lr]	490	875	0.000154	-0.000129	6	1	5	0.000128	0.85714
560	[yo]tai0-4n	et[yo]	490	115	0.000154	0.000117	6	1	5	0.000128	0.85714
561	[yo]tai0-4n	cedar variants	490	176	0.000154	0.000097	6	1	5	0.000128	0.85714
562	ora	dai4n	241	1140	0.000154	-0.000027	6	1	5	0.000128	0.85714
563	cedar variants	c[s | fptk]e4y	176	887	0.000154	0.000051	6	1	5	0.000128	0.85714
564	[yo][fp]o	[dlrsmg | fptk] + ai4[dlrsmg]	95	1444	0.000154	0.000064	6	1	5	0.000128	0.85714
565	[yo]c[fptk]e4y	o[fptk]e4dy	294	1444	0.000154	-0.000126	6	1	5	0.000128	0.85714
566	edy	o[fptk]e4os	4981	106	0.000154	-0.000194	6	1	5	0.000128	0.85714
567	[yo]ke4o	dai4n	89	1140	0.000154	0.000087	6	1	5	0.000128	0.85714
568	a[lr]an	[yo][fptk][ao][lr]	56	2688	0.000154	0.000055	6	1	5	0.000128	0.85714
569	cedar variants	cse4y	176	578	0.000154	0.000087	6	1	5	0.000128	0.85714
570	o[fptk]c + e0-4 + y | dy | o[dlrs]y	[dlrsmg] + c | c[s | fptk] + e4o	1421	49	0.000154	0.000108	6	1	5	0.000128	0.85714
571	c | cs + e0-4[dlrsmg]	okce0-4y	281	338	0.000154	0.000091	6	1	5	0.000128	0.85714
572	cte4[yo]	so	406	378	0.000154	0.000053	6	1	5	0.000128	0.85714
573	o[lr][oa]	[yo][fptk]e4o	735	88	0.000154	0.000111	6	1	5	0.000128	0.85714
574	oc[s | fptk]e4y	o[fptk]e4dy	319	1444	0.000154	-0.000150	6	1	5	0.000128	0.85714
575	ai4l	c[fptk]e4o-initial & c[fptk]e4y Superclass	306	1659	0.000154	-0.000181	6	1	5	0.000128	0.85714
576	[yo][fptk]e4od	[yo]ke4o	355	89	0.000154	0.000133	6	1	5	0.000128	0.85714
577	y-initial	[yo]ce4y	1926	113	0.000154	0.000010	6	1	5	0.000128	0.85714
578	eky	otc + e0-4 + y | dy | o[dlrs]y	217	493	0.000154	0.000084	6	1	5	0.000128	0.85714
579	cedaiin variants	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	189	623	0.000154	0.000076	6	1	5	0.000128	0.85714
580	ydai0-4n	c[fptk]e4o-initial & c[fptk]e4y Superclass	40	1659	0.000154	0.000110	6	1	5	0.000128	0.85714
581	c[s | fptk]e4dy	oe sans oy + oe4y, oe0-4s	622	317	0.000154	0.000024	6	1	5	0.000128	0.85714
582	[yo]ke4od	[yo]kai0-4n	207	1067	0.000154	0.000008	6	1	5	0.000128	0.85714
583	[yo]ke4od	okai0-4n	207	994	0.000154	0.000018	6	1	5	0.000128	0.85714
584	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	c + e4 + [fptk]c Nouns	2246	18	0.000154	0.000127	6	1	5	0.000128	0.85714
585	[yo][fptk]e4od	ol[oa]	355	401	0.000154	0.000060	6	1	5	0.000128	0.85714
586	cpe4[yo]	y[fptk]-initial	94	1295	0.000154	0.000074	6	1	5	0.000128	0.85714
587	ofc + e4 + y | dy | o + [lr] Superset	[dlrsmg | fptk] + ai4[dlrsmg]	75	1444	0.000154	0.000083	6	1	5	0.000128	0.85714
588	otce0-4dy	ote0-4y	172	731	0.000154	0.000071	6	1	5	0.000128	0.85714
589	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	or[yoa]	222	438	0.000154	0.000090	6	1	5	0.000128	0.85714
590	[fptk | dlrsmg] + c | c[s | fptk] + e4od	o[tk]e0-4y	68	2042	0.000154	0.000062	6	1	5	0.000128	0.85714
591	[tk]e4dy	rc-initial	309	76	0.000154	0.000139	6	1	5	0.000128	0.85714
592	okar variants	yodai0-4[lr]	493	348	0.000154	0.000041	6	1	5	0.000128	0.85714
593	okar variants	od[ao]i0-4[lr]	493	369	0.000154	0.000034	6	1	5	0.000128	0.85714
594	so	ai4r	378	483	0.000154	0.000034	6	1	5	0.000128	0.85714
595	ai4[lr]	ceckey relatives	782	377	0.000154	-0.000040	6	1	5	0.000128	0.85714
596	ai4[lr]	a[dlrsmg]am	782	92	0.000154	0.000107	6	1	5	0.000128	0.85714
597	ai4[dlrsmg | n]	o[dlrs]ce4y Superset	1519	196	0.000154	-0.000042	6	1	5	0.000128	0.85714
598	okc + e0-4 + y | dy | o[dlrs]y	otar variants	563	345	0.000154	0.000026	6	1	5	0.000128	0.85714
599	ke4dy	[dlrsmg | fptk] + ai4n	217	1724	0.000154	-0.000093	6	1	5	0.000128	0.85714
600	od[ao]i0-4[lrm | n]	ek[yo]	813	255	0.000154	0.000017	6	1	5	0.000128	0.85714
601	od[ao]i0-4[lrm | n]	[yo][fp]a	813	200	0.000154	0.000047	6	1	5	0.000128	0.85714
602	[yo][fp]a	[dlrsmg]ai4[lr]	200	875	0.000154	0.000039	6	1	5	0.000128	0.85714
603	[yo][fp]a	o[lr][oa]	200	735	0.000154	0.000057	6	1	5	0.000128	0.85714
604	ce4o	[fptk | dlrsmg] + c | c[s | fptk] + e4o	160	503	0.000154	0.000101	6	1	5	0.000128	0.85714

605	ce4o	c[fptk]e4y	160	310	0.000154	0.000121	6	1	5	0.000128	0.85714
606	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	so	519	378	0.000154	0.000025	6	1	5	0.000128	0.85714
607	odai0-4n	cse4o	408	205	0.000154	0.000099	6	1	5	0.000128	0.85714
608	c[fptk]e4o-initial & c[fptk]e4y Superclass	[dlrsmg]ai4m	1659	149	0.000154	-0.000009	6	1	5	0.000128	0.85714
609	c[fptk]e4o-initial & c[fptk]e4y Superclass	dai4m	1659	130	0.000154	0.000012	6	1	5	0.000128	0.85714
610	o[fptk]e4os	a[lr][ao][lr]	106	391	0.000154	0.000127	6	1	5	0.000128	0.85714
611	[dlrsmg | fptk] + oi4[dlrsmg | n]	e-initial	809	68	0.000154	0.000118	6	1	5	0.000128	0.85714
612	otai0-4n	[dlrsmg]ai4[lr]	430	875	0.000154	-0.000094	6	1	5	0.000128	0.85714
613	oy + oe4y	cse4y	207	578	0.000154	0.000075	6	1	5	0.000128	0.85714
614	oda	ek[yo]	847	255	0.000154	0.000012	6	1	5	0.000128	0.85714
615	oda	[yo]pa	847	141	0.000154	0.000075	6	1	5	0.000128	0.85714
616	o[fptk]edar	ai4[lr]	72	782	0.000154	0.000117	6	1	5	0.000128	0.85714
617	o[fptk]edar	ol[dtk]	72	842	0.000154	0.000114	6	1	5	0.000128	0.85714
618	oke0-4y	[tk]y	1314	52	0.000154	0.000109	6	1	5	0.000128	0.85714
619	od endings	lk-initial	243	454	0.000154	0.000081	6	1	5	0.000128	0.85714
620	od endings	l[fptk] Prefixes	243	514	0.000154	0.000072	6	1	5	0.000128	0.85714
621	oke0-4y	o[fptk]e4os	1314	106	0.000154	0.000062	6	1	5	0.000128	0.85714
622	ce4y	ol[ds]	737	315	0.000154	0.000001	6	1	5	0.000128	0.85714
623	opc + e0-4 + y | dy | o[dlrs]y	o[lr][yo]	302	583	0.000154	0.000038	6	1	5	0.000128	0.85714
624	od endings	cse4o	243	205	0.000154	0.000121	6	1	5	0.000128	0.85714
625	cte4y	ol[dtk]	186	842	0.000154	0.000051	6	1	5	0.000128	0.85714
626	otce0-4y	[dlrsmg]e0-4y	281	453	0.000154	0.000070	6	1	5	0.000128	0.85714
627	odai0-4r	ai4n	193	589	0.000154	0.000079	6	1	5	0.000128	0.85714
628	otce0-4y	do	281	383	0.000154	0.000083	6	1	5	0.000128	0.85714
629	otce0-4y	od endings	281	243	0.000154	0.000109	6	1	5	0.000128	0.85714
630	ai4[dlrsmg]	a[dlrsmg]am	930	92	0.000154	0.000098	6	1	5	0.000128	0.85714
631	[yo][fp]a	ol[yoa]	200	614	0.000154	0.000073	6	1	5	0.000128	0.85714
632	[yo][fp]a	[ao][lr][ao][lr] Pipe/Flow	200	843	0.000154	0.000043	6	1	5	0.000128	0.85714
633	ai4[dlrsmg]	ceckey relatives	930	377	0.000154	-0.000077	6	1	5	0.000128	0.85714
634	c[fptk]c polygraph	dai4n	99	1140	0.000154	0.000080	6	1	5	0.000128	0.85714
635	a-axis of [yo][fptk][ao][lr]	cedam variants	1731	30	0.000154	0.000120	6	1	5	0.000128	0.85714
636	a-axis of [yo][fptk][ao][lr]	ce4o	1731	160	0.000154	-0.000029	6	1	5	0.000128	0.85714
637	[fptk][yo]lc	o[fptk]e4dy	53	1444	0.000154	0.000104	6	1	5	0.000128	0.85714
638	o[fptk]c + e0-4dy	[yo]e0-4[fp]e0-4[yo]	554	149	0.000154	0.000100	6	1	5	0.000128	0.85714
639	otol variants	ce4y	239	737	0.000154	0.000038	6	1	5	0.000128	0.85714
640	oke4dy	o[fptk | dlrsmg][ao]m	933	280	0.000154	-0.000018	6	1	5	0.000128	0.85714
641	[yo]kai0-4n	cse4o	1067	205	0.000154	0.000010	6	1	5	0.000128	0.85714
642	ce4ai4n	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	271	623	0.000154	0.000043	6	1	5	0.000128	0.85714
643	ce4ai4n	c + e4dy	271	3053	0.000154	-0.000392	6	1	5	0.000128	0.85714
644	o[fptk]eda[lrsm | n]	or[yoa]	184	438	0.000154	0.000101	6	1	5	0.000128	0.85714
645	cse4dy	oe sans oy + oe4y, oe0-4s	585	317	0.000154	0.000032	6	1	5	0.000128	0.85714
646	[sr]c-Initial	y[fptk]-initial	179	1295	0.000154	0.000001	6	1	5	0.000128	0.85714
647	y[fptk]-initial	te4dy	1295	91	0.000154	0.000076	6	1	5	0.000128	0.85714
648	[yo]c[s | fptk]e4y	o[fptk]e4dy	353	1444	0.000154	-0.000182	6	1	5	0.000128	0.85714
649	[dlrsmg | fptk]e0-4y	[yo]c + e4dy	735	110	0.000154	0.000101	6	1	5	0.000128	0.85714
650	rc-initial	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	76	2246	0.000154	0.000041	6	1	5	0.000128	0.85714
651	[dlrsmg]ai4[lr]	rai4n	875	115	0.000154	0.000088	6	1	5	0.000128	0.85714
652	cke4[yo]	[yo]ke4ol	172	223	0.000154	0.000129	6	1	5	0.000128	0.85714
653	c[fptk]e4y	[yo]te4o[dlrsmg]	310	341	0.000154	0.000084	6	1	5	0.000128	0.85714
654	eka	okar variants	191	493	0.000154	0.000092	6	1	5	0.000128	0.85714
655	oi4[dlrsmg | n]	o[dlrs]ce4y Superset	1124	196	0.000154	0.000009	6	1	5	0.000128	0.85714
656	oi4[dlrsmg | n]	ai0-4[dlrsmg][dlrsmg]	1124	214	0.000154	-0.000005	6	1	5	0.000128	0.85714
657	[fp]c-Initial	dai4n	387	1140	0.000154	-0.000137	6	1	5	0.000128	0.85714
658	[fptk | dlrsmg] + c | c[s | fptk] + e4o	rc-initial	503	76	0.000154	0.000129	6	1	5	0.000128	0.85714
659	[yo][fptk]e4or	ai4[dlrsmg]	127	930	0.000154	0.000076	6	1	5	0.000128	0.85714
660	ce4dy	[yo]te4o[lr]	755	130	0.000154	0.000089	6	1	5	0.000128	0.85714
661	ai4n	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	589	445	0.000154	-0.000019	6	1	5	0.000128	0.85714
662	ai4n	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	589	519	0.000154	-0.000048	6	1	5	0.000128	0.85714
663	[tk]c-Initial	so	667	378	0.000154	-0.000012	6	1	5	0.000128	0.85714
664	ai4n	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	589	222	0.000154	0.000068	6	1	5	0.000128	0.85714
665	[tk]c-Initial	[fptk]ai4n	667	191	0.000154	0.000070	6	1	5	0.000128	0.85714
666	o[fptk]e4dy	[yo]po	1444	70	0.000154	0.000087	6	1	5	0.000128	0.85714
667	pc-initial	a-axis of [yo][fptk][ao][lr]	307	1731	0.000154	-0.000197	6	1	5	0.000128	0.85714
668	[yo]c[s | fptk]e4y	otol variants	353	239	0.000154	0.000098	6	1	5	0.000128	0.85714
669	otc + e0-4 + y | dy | o[dlrs]y	[tk]e4o	493	206	0.000154	0.000087	6	1	5	0.000128	0.85714
670	odai0-4[lrm | n]	ek[yo]	767	255	0.000154	0.000025	6	1	5	0.000128	0.85714
671	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	[ao][lr][ao][lr] Pipe/Flow	230	843	0.000154	0.000026	6	1	5	0.000128	0.85714
672	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	o[lr]a	222	469	0.000154	0.000085	6	1	5	0.000128	0.85714
673	a[dlrsmg]c	o[fptk]ai4n	91	1598	0.000154	0.000058	6	1	5	0.000128	0.85714
674	l[drs] Prefixes	o[fptk]ai4n	95	1598	0.000154	0.000054	6	1	5	0.000128	0.85714
675	[yo]ke4o[lr]	[yo]te4o[lr]	319	130	0.000154	0.000127	6	1	5	0.000128	0.85714
676	ceckey relatives	o[dlrs]ce4y Superset	377	196	0.000154	0.000105	6	1	5	0.000128	0.85714
677	dc-initial	[fptk]e0-4y	454	161	0.000154	0.000106	6	1	5	0.000128	0.85714
678	okai0-4n	cse4o	994	205	0.000154	0.000020	6	1	5	0.000128	0.85714
679	[yo][fptk]e4od	okar variants	355	493	0.000154	0.000039	6	1	5	0.000128	0.85714
680	[yo][fptk]e4od	do	355	383	0.000154	0.000064	6	1	5	0.000128	0.85714
681	e[fp][yoa]	o[fptk]c + e0-4y	79	753	0.000154	0.000115	6	1	5	0.000128	0.85714
682	[dlrsmg | fptk] + oi4[dlrsmg | n]	sai4n	809	258	0.000154	0.000016	6	1	5	0.000128	0.85714
683	ai4n	eka	589	191	0.000154	0.000080	6	1	5	0.000128	0.85714
684	[yo]te4o[dlrsmg]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	341	503	0.000154	0.000041	6	1	5	0.000128	0.85714
685	ai4[dlrsmg]	oce4y + infixed versions	930	379	0.000154	-0.000078	6	1	5	0.000128	0.85714
686	ai4[dlrsmg]	om	930	203	0.000154	0.000030	6	1	5	0.000128	0.85714
687	ai4[dlrsmg]	[yo]ce4y + s infixes	930	172	0.000154	0.000049	6	1	5	0.000128	0.85714
688	a[lr][fptk]	y[fptk]-initial	83	1295	0.000154	0.000083	6	1	5	0.000128	0.85714
689	[tk]c-Initial	oi	667	304	0.000154	0.000020	6	1	5	0.000128	0.85714
690	pc-initial	o[lr][yo]	307	583	0.000154	0.000036	6	1	5	0.000128	0.85714
691	[tk]c-Initial	[fptk]e0-4y	667	161	0.000154	0.000083	6	1	5	0.000128	0.85714
692	ece polygraph	[dlrsmg]ai4[lr]	219	875	0.000154	0.000028	6	1	5	0.000128	0.85714
693	ece polygraph	ai4[dlrsmg]	219	930	0.000154	0.000020	6	1	5	0.000128	0.85714
694	ece polygraph	ai4[lr]	219	782	0.000154	0.000041	6	1	5	0.000128	0.85714
695	ke4o	[fptk | dlrsmg] + c | c[s | fptk] + e4or	137	733	0.000154	0.000088	6	1	5	0.000128	0.85714
696	[yo][fptk]e4od + y	okar variants	284	493	0.000154	0.000062	6	1	5	0.000128	0.85714
697	cear variants	[yo][fp][yoa]	365	339	0.000154	0.000072	6	1	5	0.000128	0.85714
698	okol variants	[dlrsmg]ai4[lr]	285	875	0.000154	-0.000010	6	1	5	0.000128	0.85714
699	[yo]e4 | c + [fp]	[yo][fp][yoa]	84	339	0.000154	0.000135	6	1	5	0.000128	0.85714
700	okc + e0-4 + y | dy | o[dlrs]y	otai0-4n	563	430	0.000154	-0.000006	6	1	5	0.000128	0.85714
701	ce4y	[dlrsmg]ai4m	737	149	0.000154	0.000082	6	1	5	0.000128	0.85714
702	ai4[lr]	od[ao]i0-4n	782	410	0.000154	-0.000057	6	1	5	0.000128	0.85714

703	ai4[lr]	odai0-4n	782	408	0.000154	-0.000056	6	1	5	0.000128	0.85714
704	ai4[lr]	[yo]d[ao]i0-4n	782	450	0.000154	-0.000078	6	1	5	0.000128	0.85714
705	ai4[dlrsmg | n]	yce4y + s infixes	1519	82	0.000154	0.000072	6	1	5	0.000128	0.85714
706	[fptk] + c | c[s | fptk] + e4o	[dlrsmg | fptk] + ai4n	51	1724	0.000154	0.000096	6	1	5	0.000128	0.85714
707	osa	y[fptk]-initial	66	1295	0.000154	0.000098	6	1	5	0.000128	0.85714
708	o[fptk | dlrsmg][ao]m	Single-Letter Words	280	566	0.000154	0.000050	6	1	5	0.000128	0.85714
709	[yo][fp]y	y[fptk]-initial	44	1295	0.000154	0.000117	6	1	5	0.000128	0.85714
710	otai0-4n	o[fptk | dlrsmg][ao]m	430	280	0.000154	0.000075	6	1	5	0.000128	0.85714
711	otai0-4n	cedar variants	430	176	0.000154	0.000104	6	1	5	0.000128	0.85714
712	ai4[lr]	yodai0-4n	782	448	0.000154	-0.000077	6	1	5	0.000128	0.85714
713	lc-initial	o[lr]a	457	469	0.000154	0.000013	6	1	5	0.000128	0.85714
714	c + e4 + [fptk] Nouns	o[tk]e0-4y	31	2042	0.000154	0.000112	6	1	5	0.000128	0.85714
715	ykai0-4n	a-axis of [yo][fptk][ao][lr]	73	1731	0.000154	0.000071	6	1	5	0.000128	0.85714
716	oi4n Superset	ek[yoa]	257	446	0.000154	0.000078	6	1	5	0.000128	0.85714
717	[q | fptk | dlrsmg] + oi0-4[lr]	ydai0-4[lrm | n]	1819	65	0.000154	0.000076	6	1	5	0.000128	0.85714
718	ek[yo]	[yo]ke4o[dlrsmg]	255	584	0.000154	0.000056	6	1	5	0.000128	0.85714
719	[yo]pa	[ao][lr][ao][lr] Pipe/Flow	141	843	0.000154	0.000076	6	1	5	0.000128	0.85714
720	ek[yoa]	oly	446	222	0.000154	0.000089	6	1	5	0.000128	0.85714
721	oi	ai4l	304	306	0.000154	0.000093	6	1	5	0.000128	0.85714
722	[dlrsmg]ai4[lr]	ai4n	875	589	0.000899	0.000559	35	6	29	0.000745	0.85366
723	[dlrsmg | fptk] + oi4[dlrsmg | n]	cse4dy	809	585	0.000745	0.000433	29	5	24	0.000617	0.85294
724	ai4[dlrsmg | n]	[dlrsmg | fptk]e0-4y	1519	735	0.000745	0.000008	29	5	24	0.000617	0.85294
725	okce0-4dy	[yo][fptk][ao][lr]	188	2688	0.000591	0.000257	23	4	19	0.000488	0.85185
726	c | c[s | fptk] + e4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4y	1395	2060	0.001028	-0.000869	40	7	33	0.000848	0.85106
727	[yo][fptk]e4od	o[fptk]ai4n	355	1598	0.000437	0.000062	17	3	14	0.000360	0.85000
728	cear variants	ai4r	365	483	0.000437	0.000320	17	3	14	0.000360	0.85000
729	[dlrsmg | fptk] + ai4[dlrsmg | n]	ai4r	3168	483	0.001593	0.000583	62	11	51	0.001310	0.84932
730	[dlrsmg] + ai4[lr] + y-suffix	ai4n	1035	589	0.001002	0.000600	39	7	32	0.000822	0.84783
731	l[fptk] Prefixes	[dlrsmg | fptk] + ai4[dlrsmg | n]	514	3168	0.000848	-0.000227	33	6	27	0.000694	0.84615
732	ceal variants	c | c[s | fptk] + e4dy	269	1395	0.000283	0.000035	11	2	9	0.000231	0.84615
733	[fptk]ai4[lr]	oi4[dlrsmg | n]	190	1124	0.000283	0.000142	11	2	9	0.000231	0.84615
734	o[fptk | dlrsmg][ao]m	[yo]c + e4o Superclass	280	345	0.000283	0.000219	11	2	9	0.000231	0.84615
735	ol[oa]	ol[tk]	401	621	0.000283	0.000118	11	2	9	0.000231	0.84615
736	dai4n	otar variants	1140	345	0.000283	0.000023	11	2	9	0.000231	0.84615
737	ai4r	oke0-4y	483	1314	0.000283	-0.000136	11	2	9	0.000231	0.84615
738	kc-initial	[dlrsmg | fptk] + ai4[dlrsmg]	322	1444	0.000283	-0.000024	11	2	9	0.000231	0.84615
739	[fp]c-Initial	[yo]e0-4[fp]e0-4[yo]	387	149	0.000283	0.000245	11	2	9	0.000231	0.84615
740	c[fptk]e4o-initial & c[fptk]e4y Superclass	dairol/soral relatives	1659	190	0.000283	0.000075	11	2	9	0.000231	0.84615
741	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	c[s | fptk]e4dy	230	622	0.000283	0.000188	11	2	9	0.000231	0.84615
742	ai4n	om + o[fptk | dlrsmg]am	589	454	0.000283	0.000106	11	2	9	0.000231	0.84615
743	okc + e0-4 + y | dy | o[dlrs]y	okol variants	563	285	0.000283	0.000177	11	2	9	0.000231	0.84615
744	ai4r	a[lr][fptk]	483	83	0.000283	0.000256	11	2	9	0.000231	0.84615
745	cectey relatives	oke4dy	197	933	0.000283	0.000161	11	2	9	0.000231	0.84615
746	[fptk]e0-4y	c[fptk]e4o-initial & c[fptk]e4y Superclass	161	1659	0.000283	0.000106	11	2	9	0.000231	0.84615
747	olk	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	557	186	0.000283	0.000214	11	2	9	0.000231	0.84615
748	tc-initial	a-axis of [yo][fptk][ao][lr]	345	1731	0.000283	-0.000112	11	2	9	0.000231	0.84615
749	lc-initial	okal variants	457	544	0.000283	0.000119	11	2	9	0.000231	0.84615
750	oke4dy	do	933	383	0.000283	0.000047	11	2	9	0.000231	0.84615
751	[yo]c + e4o Superclass	l[fptk] Prefixes	345	514	0.000283	0.000166	11	2	9	0.000231	0.84615
752	eka	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	191	623	0.000283	0.000204	11	2	9	0.000231	0.84615
753	ol[dtk]	oa	842	321	0.000283	0.000104	11	2	9	0.000231	0.84615
754	[yo][fptk]e4o[lr]	c | c[fptk] + e4o	449	228	0.000283	0.000215	11	2	9	0.000231	0.84615
755	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	cse4dy	230	585	0.000283	0.000194	11	2	9	0.000231	0.84615
756	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	[yo]kai0-4n	230	1067	0.000283	0.000121	11	2	9	0.000231	0.84615
757	o[fptk]c + e0-4y	[fptk]e0-4y	753	161	0.000283	0.000203	11	2	9	0.000231	0.84615
758	[yo]c + e4o Superclass	lk-initial	345	454	0.000283	0.000179	11	2	9	0.000231	0.84615
759	[fptk]ai4[lr]	ai4[dlrsmg | n]	190	1519	0.000694	0.000503	27	5	22	0.000565	0.84375
760	ai4n	c + e4dy	589	3053	0.000822	-0.000365	32	6	26	0.000668	0.84211
761	cear verbs	ai4r	303	483	0.000411	0.000314	16	3	13	0.000334	0.84211
762	ai4n	okal variants	589	544	0.000411	0.000200	16	3	13	0.000334	0.84211
763	[dlrsmg | fptk] + ai4[dlrsmg | n]	ce0-4s	3168	165	0.000411	0.000066	16	3	13	0.000334	0.84211
764	o-axis of [yo][fptk][ao][lr]	[yo]kai0-4n	764	1067	0.000411	-0.000127	16	3	13	0.000334	0.84211
765	opc + e0-4 + y | dy | o[dlrs]y	o[tk]e0-4y	302	2042	0.000411	0.000004	16	3	13	0.000334	0.84211
766	tc-initial	[yo][fptk][ao][lr]	345	2688	0.000411	-0.000201	16	3	13	0.000334	0.84211
767	okce0-4dy	a-axis of [yo][fptk][ao][lr]	188	1731	0.000411	0.000196	16	3	13	0.000334	0.84211
768	a[dlrsmg]am	y-initial	92	1926	0.000411	0.000294	16	3	13	0.000334	0.84211
769	c[fptk]e4o-initial & c[fptk]e4y Superclass	Single-Letter Words	1659	566	0.000951	0.000331	37	7	30	0.000771	0.84091
770	ai4[lr]	c + e4dy	782	3053	0.000951	-0.000625	37	7	30	0.000771	0.84091
771	ai4[dlrsmg | n]	[yo]dy endings	1519	1228	0.001490	0.000259	58	11	47	0.001207	0.84058
772	Consonant Clusters	ai4[dlrsmg | n]	115	1519	0.000540	0.000424	21	4	17	0.000437	0.84000
773	ai4[dlrsmg | n]	c + e4dy	1519	3053	0.001875	-0.001185	73	14	59	0.001516	0.83908
774	ai4[dlrsmg]	c + e4dy	930	3053	0.001053	-0.000821	41	8	33	0.000848	0.83673
775	ai4r	ai4n	483	589	0.001053	0.000866	41	8	33	0.000848	0.83673
776	ai4[dlrsmg | n]	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1519	1421	0.000771	-0.000654	30	6	24	0.000617	0.83333
777	[tk]c-Initial	o[fptk]ai4n	667	1598	0.000514	-0.000190	20	4	16	0.000411	0.83333
778	ce4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4y	755	2060	0.000514	-0.000513	20	4	16	0.000411	0.83333
779	[dlrsmg | fptk] + ai4[dlrsmg]	c | cs + e0-4[dlrsmg]	1444	281	0.000514	0.000246	20	4	16	0.000411	0.83333
780	dc-initial	o[fptk]ai4n	454	1598	0.000514	0.000035	20	4	16	0.000411	0.83333
781	c[s | fptk]e4dy	c + c[s | fptk]e4y	622	1624	0.000385	-0.000281	15	3	12	0.000308	0.83333
782	c | c[fptk] + e4o	c[fptk]e4o-initial & c[fptk]e4y Superclass	228	1659	0.000385	0.000136	15	3	12	0.000308	0.83333
783	o[fptk]c + e0-4 + y | dy | o[dlrs]y	okol variants	1421	285	0.000385	0.000118	15	3	12	0.000308	0.83333
784	ed[yoa]	qo variants	5851	59	0.000385	0.000158	15	3	12	0.000308	0.83333
785	c[s | fptk]e4dy	okc + e0-4 + y | dy | o[dlrs]y	622	563	0.000385	0.000154	15	3	12	0.000308	0.83333
786	[dlrsmg] + ai4[lr] + y-suffix	om	1035	203	0.000385	0.000247	15	3	12	0.000308	0.83333
787	[yo]d[ao]i0-4[lrm | n]	c | c[fptk] + e4o	880	228	0.000385	0.000253	15	3	12	0.000308	0.83333
788	edy	qo variants	4981	59	0.000385	0.000191	15	3	12	0.000308	0.83333
789	tc-initial	o[fptk]ai4n	345	1598	0.000385	0.000021	15	3	12	0.000308	0.83333
790	[dlrsmg | fptk] + ai4n	otar variants	1724	345	0.000385	-0.000007	15	3	12	0.000308	0.83333
791	oi4[dlrsmg | n]	[tk]e4dy	1124	309	0.000385	0.000156	15	3	12	0.000308	0.83333
792	cke4[yo]	o-axis of [yo][fptk][ao][lr]	172	764	0.000257	0.000170	10	2	8	0.000206	0.83333
793	cear verbs	om + o[fptk | dlrsmg]am	303	454	0.000257	0.000166	10	2	8	0.000206	0.83333
794	[yo]e4 | c + [fp]	[yo][fptk][ao][lr]	84	2688	0.000257	0.000108	10	2	8	0.000206	0.83333
795	ai4r	c[s | fptk]e4y	483	887	0.000257	-0.000026	10	2	8	0.000206	0.83333
796	od endings + odcey relatives	[fptk | dlrsmg] + c | c[s | fptk] + e4o	275	503	0.000257	0.000166	10	2	8	0.000206	0.83333
797	pc-initial	o[lr][yoa]	307	1044	0.000257	0.000045	10	2	8	0.000206	0.83333
798	[yo]te4o[dlrsmg]	[dlrsmg]ai4[lr]	341	875	0.000257	0.000060	10	2	8	0.000206	0.83333
799	[yo]te4od	o[fptk]ai4n	149	1598	0.000257	0.000100	10	2	8	0.000206	0.83333
800	cedaiin variants	od[ao]i0-4[lrm | n]	189	813	0.000257	0.000155	10	2	8	0.000206	0.83333
801	cedaiin variants	odai0-4[lrm | n]	189	767	0.000257	0.000161	10	2	8	0.000206	0.83333

802	ofc + e0-4 + y | dy | o[dlrs]y	[dlrsmg | fptk] + ai4[dlrsmg | n]	65	3168	0.000257	0.000121	10	2	8	0.000206	0.83333
803	ceal verbs	c | c[s | fptk] + e4dy	230	1395	0.000257	0.000045	10	2	8	0.000206	0.83333
804	[dlrsmg | fptk] + oi4[dlrsmg | n]	cean verbs	809	213	0.000257	0.000143	10	2	8	0.000206	0.83333
805	[fptk | dlrsmg] + c | c[s | fptk] + e4or	ceal variants	733	269	0.000257	0.000127	10	2	8	0.000206	0.83333
806	ce4a	[yo]te4o[dlrsmg]	1009	341	0.000257	0.000030	10	2	8	0.000206	0.83333
807	l[fptk] Prefixes	[yo]tai0-4n	514	490	0.000257	0.000091	10	2	8	0.000206	0.83333
808	yc + e4or	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	34	2246	0.000257	0.000207	10	2	8	0.000206	0.83333
809	ol[ds]	so	315	378	0.000257	0.000178	10	2	8	0.000206	0.83333
810	ai4[dlrsmg]	[yo][fptk]e4od	930	355	0.000257	0.000039	10	2	8	0.000206	0.83333
811	ol[ds]	dc-initial	315	454	0.000257	0.000163	10	2	8	0.000206	0.83333
812	[dlrsmg | fptk] + ai4n	ce0-4s	1724	165	0.000257	0.000069	10	2	8	0.000206	0.83333
813	otol variants	y[fptk]-initial	239	1295	0.000257	0.000053	10	2	8	0.000206	0.83333
814	[fptk | dlrsmg] + c | c[s | fptk] + e4or	ek[yoa]	733	446	0.000257	0.000041	10	2	8	0.000206	0.83333
815	ol[oa]	[yo][fptk]e4o[lr]	401	449	0.000257	0.000138	10	2	8	0.000206	0.83333
816	ol[oa]	[yo][fptk]e4ol	401	322	0.000257	0.000172	10	2	8	0.000206	0.83333
817	[fptk]ai4n	[yo]kai0-4n	191	1067	0.000257	0.000122	10	2	8	0.000206	0.83333
818	o[fptk]c + e0-4ol	[dlrsmg] + ai4[lr] + y-suffix	159	1035	0.000257	0.000148	10	2	8	0.000206	0.83333
819	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	okar variants	445	493	0.000257	0.000112	10	2	8	0.000206	0.83333
820	od[ao]i0-4[lr]	c | c[fptk] + e4o	369	228	0.000257	0.000201	10	2	8	0.000206	0.83333
821	or[yoa]	o[lr]o	438	274	0.000257	0.000178	10	2	8	0.000206	0.83333
822	or[yoa]	dai4n	438	1140	0.000257	-0.000073	10	2	8	0.000206	0.83333
823	o[fptk]c + e0-4y	cteo-initial	753	220	0.000257	0.000148	10	2	8	0.000206	0.83333
824	oe0-4s	okce0-4y	632	338	0.000257	0.000116	10	2	8	0.000206	0.83333
825	[dlrsmg | fptk]e0-4y	oe0-4s	735	632	0.000257	-0.000050	10	2	8	0.000206	0.83333
826	o[tk]e0-4y	c | c[fptk] + e4o	2042	228	0.000257	-0.000050	10	2	8	0.000206	0.83333
827	o[dlrs]ce4y Superset	ote0-4y	196	731	0.000257	0.000162	10	2	8	0.000206	0.83333
828	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	[yo]kai0-4n	186	1067	0.000257	0.000126	10	2	8	0.000206	0.83333
829	ko	[dlrsmg | fptk] + ai4n	179	1724	0.000257	0.000053	10	2	8	0.000206	0.83333
830	[dlrsmg]ai4[lr]	[yo]d[ao]i0-4r	875	228	0.000257	0.000125	10	2	8	0.000206	0.83333
831	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	okai0-4n	230	994	0.000257	0.000106	10	2	8	0.000206	0.83333
832	[yo]d[ao]i0-4[lr]	c | c[fptk] + e4o	393	228	0.000257	0.000198	10	2	8	0.000206	0.83333
833	ai4l	[yo]dy endings	306	1228	0.000257	0.000009	10	2	8	0.000206	0.83333
834	[fptk] + c | c[s | fptk] + e4dy	[dlrsmg | fptk] + ai4[dlrsmg | n]	196	3168	0.000257	-0.000153	10	2	8	0.000206	0.83333
835	y-initial	okce0-4dy	1926	188	0.000257	0.000018	10	2	8	0.000206	0.83333
836	ola	ol[dtk]	228	842	0.000257	0.000130	10	2	8	0.000206	0.83333
837	sai4n	c[s | fptk]e4y	258	887	0.000257	0.000106	10	2	8	0.000206	0.83333
838	oi	o[fptk]e4dy	304	1444	0.000257	-0.000033	10	2	8	0.000206	0.83333
839	lk-initial	[dlrsmg | fptk] + ai4[dlrsmg | n]	454	3168	0.000745	-0.000204	29	6	23	0.000591	0.82857
840	o[tk]e4s	ai4[dlrsmg | n]	98	1519	0.000617	0.000518	24	5	19	0.000488	0.82759
841	ce4y	[fptk]ai4n	737	191	0.000617	0.000524	24	5	19	0.000488	0.82759
842	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	[tk]e4dy	2246	309	0.000488	0.000030	19	4	15	0.000385	0.82609
843	[fptk]ai4[lr]	ai4[dlrsmg]	190	930	0.000488	0.000372	19	4	15	0.000385	0.82609
844	ai4[lr]	[dlrsmg | fptk]e0-4y	782	735	0.000488	0.000109	19	4	15	0.000385	0.82609
845	ai4[dlrsmg]	[yo]dy endings	930	1228	0.000848	0.000094	33	7	26	0.000668	0.82500
846	ce4y	[fptk]ai4[dlrsmg | n]	737	411	0.001079	0.000879	42	9	33	0.000848	0.82353
847	ai4[dlrsmg]	ce4dy	930	755	0.000360	-0.000104	14	3	11	0.000283	0.82353
848	ol[oa]	ol[dtk]	401	842	0.000360	0.000137	14	3	11	0.000283	0.82353
849	otar variants	oi4[dlrsmg | n]	345	1124	0.000360	0.000104	14	3	11	0.000283	0.82353
850	otai0-4n	otar variants	430	345	0.000360	0.000262	14	3	11	0.000283	0.82353
851	od[ao]i0-4[lrm | n]	c | c[fptk] + e4o	813	228	0.000360	0.000237	14	3	11	0.000283	0.82353
852	o[fptk | dlrsmg][ao]m	[tk]c-Initial	280	667	0.000360	0.000236	14	3	11	0.000283	0.82353
853	oi4[dlrsmg | n]	or[yo]	1124	200	0.000360	0.000211	14	3	11	0.000283	0.82353
854	[dlrsmg] + ai4r	oi4[dlrsmg | n]	190	1124	0.000360	0.000219	14	3	11	0.000283	0.82353
855	cte4[yo]	[dlrsmg | fptk] + oi4[dlrsmg | n]	406	809	0.000360	0.000143	14	3	11	0.000283	0.82353
856	odai0-4[lrm | n]	cse4o	767	205	0.000360	0.000256	14	3	11	0.000283	0.82353
857	ai4n	ote0-4y	589	731	0.000360	0.000075	14	3	11	0.000283	0.82353
858	ai4n	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	589	1227	0.000360	-0.000117	14	3	11	0.000283	0.82353
859	[yo][fptk][ao][lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4os	2688	158	0.000360	0.000079	14	3	11	0.000283	0.82353
860	[yo][fptk]e4o[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	449	503	0.000360	0.000211	14	3	11	0.000283	0.82353
861	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	ke4dy	2246	217	0.000360	0.000038	14	3	11	0.000283	0.82353
862	[yo][fptk]e4o[dlrsmg]	c | c[fptk] + e4o	924	228	0.000360	0.000221	14	3	11	0.000283	0.82353
863	[dlrsmg | fptk]e0-4y	lc-initial	735	457	0.000360	0.000138	14	3	11	0.000283	0.82353
864	[fptk]ai4[dlrsmg | n]	ol[tk]	411	621	0.000360	0.000191	14	3	11	0.000283	0.82353
865	Consonant Clusters	ai4[dlrsmg]	115	930	0.000360	0.000289	14	3	11	0.000283	0.82353
866	c[s | fptk]e4y	[yo][fptk]e4ol	887	322	0.000360	0.000171	14	3	11	0.000283	0.82353
867	cse4y	o[fptk]c + e0-4 + y | dy | o[dlrs]y	578	1421	0.000591	0.000049	23	5	18	0.000462	0.82143
868	o[fptk]ai4n	ceal variants	1598	269	0.000591	0.000307	23	5	18	0.000462	0.82143
869	ai4n	oke0-4y	589	1314	0.000591	0.000080	23	5	18	0.000462	0.82143
870	ai4[dlrsmg]	[dlrsmg | fptk]e0-4y	930	735	0.000591	0.000140	23	5	18	0.000462	0.82143
871	ai4[dlrsmg | n]	oke0-4y	1519	1314	0.001053	-0.000264	41	9	32	0.000822	0.82000
872	ai4n	o[tk]e0-4y	589	2042	0.000925	0.000131	36	8	28	0.000719	0.81818
873	o[fptk]e4dy	okal variants	1444	544	0.000925	0.000406	36	8	28	0.000719	0.81818
874	[dlrsmg | fptk] + oi4[dlrsmg | n]	ai4n	809	589	0.000694	0.000379	27	6	21	0.000540	0.81818
875	ai4[dlrsmg]	oke0-4y	930	1314	0.000462	-0.000344	18	4	14	0.000360	0.81818
876	[yo]tai0-4n	otar variants	490	345	0.000462	0.000351	18	4	14	0.000360	0.81818
877	[yo]c + e4dy	o[fptk]e4dy	110	1444	0.000462	0.000358	18	4	14	0.000360	0.81818
878	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	ai4[dlrsmg | n]	186	1519	0.000462	0.000276	18	4	14	0.000360	0.81818
879	[yo]c + e4o Superclass	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	345	1227	0.000462	0.000183	18	4	14	0.000360	0.81818
880	[fptk | dlrsmg] + c | c[s | fptk] + e4y	opc + e0-4 + y | dy | o[dlrs]y	2060	302	0.000462	0.000052	18	4	14	0.000360	0.81818
881	c | c[s | fptk] + e4dy	okce0-4dy	1395	188	0.000462	0.000289	18	4	14	0.000360	0.81818
882	[q | fptk | dlrsmg] + oi0-4[lr]	cean variants	1819	255	0.000462	0.000156	18	4	14	0.000360	0.81818
883	[dlrsmg | fptk] + ai4[dlrsmg]	om	1444	203	0.000462	0.000269	18	4	14	0.000360	0.81818
884	[yo]te4o[lr]	ai4[dlrsmg | n]	130	1519	0.000231	0.000101	9	2	7	0.000180	0.81818
885	lk-initial	[yo]tai0-4n	454	490	0.000231	0.000084	9	2	7	0.000180	0.81818
886	odai0-4r	[fptk | dlrsmg] + c | c[s | fptk] + e4o	193	503	0.000231	0.000167	9	2	7	0.000180	0.81818
887	sai4n	ek[yoa]	258	446	0.000231	0.000155	9	2	7	0.000180	0.81818
888	do	c[s | fptk]e4dy	383	622	0.000231	0.000074	9	2	7	0.000180	0.81818
889	otor variants	c + c[s | fptk]e4y	113	1624	0.000231	0.000110	9	2	7	0.000180	0.81818
890	sc-initial	[dlrsmg | fptk] + ai4n	103	1724	0.000231	0.000114	9	2	7	0.000180	0.81818
891	[yo][fp][yoa]	[dlrsmg]ai4[lr]	339	875	0.000231	0.000035	9	2	7	0.000180	0.81818
892	[dlrsmg] + ai4[lr] + y-suffix	[yo]d[ao]i0-4r	1035	228	0.000231	0.000075	9	2	7	0.000180	0.81818
893	[fptk | dlrsmg] + c | c[s | fptk] + e4y	opce0-4y	2060	111	0.000231	0.000080	9	2	7	0.000180	0.81818
894	o[fptk]c + e0-4y	o[fptk]c + e0-4ol	753	159	0.000231	0.000152	9	2	7	0.000180	0.81818
895	o[fptk]c + e0-4y	okol variants	753	285	0.000231	0.000090	9	2	7	0.000180	0.81818
896	[dlrsmg]e0-4y	do	453	383	0.000231	0.000117	9	2	7	0.000180	0.81818
897	c[s | fptk]e4y	ote4dy	887	509	0.000231	-0.000067	9	2	7	0.000180	0.81818
898	dai4n	[dlrsmg]ai4m	1140	149	0.000231	0.000119	9	2	7	0.000180	0.81818
899	o[lr]o	Single-Letter Words	274	566	0.000231	0.000129	9	2	7	0.000180	0.81818
900	cean verbs	ed[yoa]	213	5851	0.000231	-0.000591	9	2	7	0.000180	0.81818
901	[dlrsmg]ai4m	[dlrsmg | fptk] + oi4[dlrsmg | n]	149	809	0.000231	0.000152	9	2	7	0.000180	0.81818

902	cse4dy	c[s | fptk]e4y	585	887	0.000231	-0.000111	9	2	7	0.000180	0.81818
903	or[oa]	dai4n	340	1140	0.000231	-0.000025	9	2	7	0.000180	0.81818
904	[yo][fptk][ao][lr]	ceam variants	2688	76	0.000231	0.000096	9	2	7	0.000180	0.81818
905	ed[yoa]	cedam variants	5851	30	0.000231	0.000115	9	2	7	0.000180	0.81818
906	yodai0-4r	[fptk | dlrsmg] + c | c[s | fptk] + e4o	205	503	0.000231	0.000163	9	2	7	0.000180	0.81818
907	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	okai0-4n	186	994	0.000231	0.000109	9	2	7	0.000180	0.81818
908	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	[yo][fptk]e4o[lr]	623	449	0.000231	0.000047	9	2	7	0.000180	0.81818
909	[dlrsmg]ai4[lr]	yodai0-4r	875	205	0.000231	0.000113	9	2	7	0.000180	0.81818
910	[dlrsmg]ai4[lr]	od[ao]i0-4r	875	215	0.000231	0.000107	9	2	7	0.000180	0.81818
911	c | c[fptk] + e4o	c[fptk]e4y	228	310	0.000231	0.000185	9	2	7	0.000180	0.81818
912	y-initial	te4dy	1926	91	0.000231	0.000116	9	2	7	0.000180	0.81818
913	[yo][fptk]e4o[lr]	okol variants	449	285	0.000231	0.000147	9	2	7	0.000180	0.81818
914	odai0-4[lr]	c | c[fptk] + e4o	326	228	0.000231	0.000182	9	2	7	0.000180	0.81818
915	ote0-4y	ceal variants	731	269	0.000231	0.000101	9	2	7	0.000180	0.81818
916	[yo][fptk]e4o	[dlrsmg | fptk] + ai4n	88	1724	0.000231	0.000131	9	2	7	0.000180	0.81818
917	ol[dtk]	o[fptk]c + e0-4or	842	135	0.000231	0.000156	9	2	7	0.000180	0.81818
918	cedaiin variants	ce4dy	189	755	0.000231	0.000137	9	2	7	0.000180	0.81818
919	dairol/soral relatives	o[lr][oa]	190	735	0.000231	0.000139	9	2	7	0.000180	0.81818
920	ol[tk]	otc + e0-4 + y | dy | o[dlrs]y	621	493	0.000231	0.000029	9	2	7	0.000180	0.81818
921	o[fptk]e4dy	c | cs + e0-4s	1444	188	0.000231	0.000052	9	2	7	0.000180	0.81818
922	oly	okal variants	222	544	0.000231	0.000152	9	2	7	0.000180	0.81818
923	cear variants	o[fptk | dlrsmg][ao]m	365	280	0.000231	0.000164	9	2	7	0.000180	0.81818
924	[fp]c-Initial	ai4[dlrsmg]	387	930	0.000231	-0.000006	9	2	7	0.000180	0.81818
925	[fp]c-Initial	ai4[lr]	387	782	0.000231	0.000031	9	2	7	0.000180	0.81818
926	[fp]c-Initial	oke0-4y	387	1314	0.000231	-0.000104	9	2	7	0.000180	0.81818
927	o[fptk]o	[dlrsmg | fptk] + ai4[dlrsmg | n]	51	3168	0.000231	0.000125	9	2	7	0.000180	0.81818
928	[dlrsmg]ai4[lr]	dairol/soral relatives	875	190	0.000231	0.000121	9	2	7	0.000180	0.81818
929	o[fptk]e4os	ai4[lr]	106	782	0.000231	0.000177	9	2	7	0.000180	0.81818
930	c[fptk]e4y	[dlrsmg]ai4[lr]	310	875	0.000231	0.000052	9	2	7	0.000180	0.81818
931	cke4[yo]	[dlrsmg | fptk] + ai4[dlrsmg]	172	1444	0.000231	0.000067	9	2	7	0.000180	0.81818
932	pc-initial	oda	307	847	0.000231	0.000060	9	2	7	0.000180	0.81818
933	pc-initial	odai0-4[lrm | n]	307	767	0.000231	0.000076	9	2	7	0.000180	0.81818
934	pc-initial	[yo]d[ao]i0-4[lrm | n]	307	880	0.000231	0.000053	9	2	7	0.000180	0.81818
935	pc-initial	yodai0-4[lrm | n]	307	832	0.000231	0.000063	9	2	7	0.000180	0.81818
936	pc-initial	od[ao]i0-4[lrm | n]	307	813	0.000231	0.000066	9	2	7	0.000180	0.81818
937	ol[tk]	oa	621	321	0.000231	0.000100	9	2	7	0.000180	0.81818
938	[yo]ke4o[lr]	c | c[fptk] + e4o	319	228	0.000231	0.000183	9	2	7	0.000180	0.81818
939	ce4dy	tc-initial	755	345	0.000231	0.000059	9	2	7	0.000180	0.81818
940	ai4r	ai0-4[dlrsmg][dlrsmg]	483	214	0.000231	0.000163	9	2	7	0.000180	0.81818
941	[fp]c-Initial	[yo][fp]o	387	95	0.000231	0.000207	9	2	7	0.000180	0.81818
942	[fptk | dlrsmg] + c | c[s | fptk] + e4o	cke4[yo]	503	172	0.000231	0.000174	9	2	7	0.000180	0.81818
943	ce4y	[dlrsmg] + c | c[s | fptk] + e4dy	737	327	0.000231	0.000072	9	2	7	0.000180	0.81818
944	opc + e0-4 + y | dy | o[dlrs]y	ote0-4y	302	731	0.000231	0.000086	9	2	7	0.000180	0.81818
945	opc + e0-4 + y | dy | o[dlrs]y	[q | fptk | dlrsmg] + oi0-4[lr]	302	1819	0.000231	-0.000131	9	2	7	0.000180	0.81818
946	a-axis of [yo][fptk][ao][lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4os	1731	158	0.000231	0.000051	9	2	7	0.000180	0.81818
947	o[fptk]eda[lrsm | n]	[ao][lr][ao][lr] Pipe/Flow	184	843	0.000231	0.000129	9	2	7	0.000180	0.81818
948	ce4ai4n	o[lr][oa]	271	735	0.000231	0.000100	9	2	7	0.000180	0.81818
949	ol[oa]	olk	401	557	0.000231	0.000084	9	2	7	0.000180	0.81818
950	yodai0-4[lr]	c | c[fptk] + e4o	348	228	0.000231	0.000179	9	2	7	0.000180	0.81818
951	sai4n	oe0-4s	258	632	0.000231	0.000124	9	2	7	0.000180	0.81818
952	oi4[dlrsmg | n]	aro[dlrsmg]	1124	105	0.000231	0.000153	9	2	7	0.000180	0.81818
953	oi4[dlrsmg | n]	oro	1124	102	0.000231	0.000156	9	2	7	0.000180	0.81818
954	ceam verbs	y-initial	61	1926	0.000231	0.000154	9	2	7	0.000180	0.81818
955	otar variants	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	345	445	0.000231	0.000130	9	2	7	0.000180	0.81818
956	l[drs] Prefixes	[dlrsmg | fptk] + ai4[dlrsmg | n]	95	3168	0.000231	0.000033	9	2	7	0.000180	0.81818
957	ai4[dlrsmg | n]	c[s | fptk]e4dy	1519	622	0.000231	-0.000392	9	2	7	0.000180	0.81818
958	ai4[dlrsmg | n]	[yo]ke4od	1519	207	0.000231	0.000024	9	2	7	0.000180	0.81818
959	[dlrsmg | fptk] + oi4[dlrsmg | n]	y + Non-[dlrs] Prefixes	809	205	0.000231	0.000122	9	2	7	0.000180	0.81818
960	[tk]e4dy	[yo]kai0-4n	309	1067	0.000231	0.000014	9	2	7	0.000180	0.81818
961	oi4[dlrsmg | n]	ce4dy	1124	755	0.001028	0.000468	40	9	31	0.000796	0.81633
962	kc-initial	[dlrsmg | fptk] + ai4[dlrsmg | n]	322	3168	0.000796	0.000123	31	7	24	0.000617	0.81579
963	ai4[dlrsmg | n]	ce4dy	1519	755	0.000565	-0.000192	22	5	17	0.000437	0.81481
964	ce4y	kc-initial	737	322	0.000565	0.000409	22	5	17	0.000437	0.81481
965	o[fptk]ai4n	ceal verbs	1598	230	0.000565	0.000323	22	5	17	0.000437	0.81481
966	cse4dy	o[fptk]c + e0-4dy	585	554	0.000565	0.000351	22	5	17	0.000437	0.81481
967	c + c[s | fptk]e4y	[tk]e4dy	1624	309	0.000565	0.000234	22	5	17	0.000437	0.81481
968	o[dlrs]ce4y Superset	o[tk]e0-4y	196	2042	0.000565	0.000301	22	5	17	0.000437	0.81481
969	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[dlrsmg] + c | c[s | fptk] + e4dy	2060	327	0.000668	0.000223	26	6	20	0.000514	0.81250
970	yodai0-4[lrm | n]	c | c[fptk] + e4o	832	228	0.000334	0.000209	13	3	10	0.000257	0.81250
971	o-axis of [yo][fptk][ao][lr]	okai0-4n	764	994	0.000334	-0.000167	13	3	10	0.000257	0.81250
972	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	ai4[dlrsmg]	186	930	0.000334	0.000220	13	3	10	0.000257	0.81250
973	[yo]e0-4[fp]e0-4[yo]	[dlrsmg | fptk] + ai4[dlrsmg | n]	149	3168	0.000334	0.000022	13	3	10	0.000257	0.81250
974	y-initial	o[dlrs]ce4y Superset	1926	196	0.000334	0.000085	13	3	10	0.000257	0.81250
975	oda	c | c[fptk] + e4o	847	228	0.000334	0.000207	13	3	10	0.000257	0.81250
976	[yo][fptk][ao][lr]	otam variants	2688	88	0.000334	0.000178	13	3	10	0.000257	0.81250
977	[yo][fptk]e4od + y	o[fptk]ai4n	284	1598	0.000334	0.000034	13	3	10	0.000257	0.81250
978	okce0-4y	o-axis of [yo][fptk][ao][lr]	338	764	0.000334	0.000164	13	3	10	0.000257	0.81250
979	so	ai4n	378	589	0.000334	0.000187	13	3	10	0.000257	0.81250
980	oi4[dlrsmg | n]	o[lr]y	1124	318	0.000334	0.000098	13	3	10	0.000257	0.81250
981	c + c[s | fptk]e4y	opc + e0-4 + y | dy | o[dlrs]y	1624	302	0.000334	0.000010	13	3	10	0.000257	0.81250
982	c | cs + e0-4s	ai4n	188	589	0.000334	0.000261	13	3	10	0.000257	0.81250
983	o[fptk | dlrsmg][ao]m	tc-initial	280	345	0.000334	0.000270	13	3	10	0.000257	0.81250
984	ai4[dlrsmg | n]	edy	1519	4981	0.002877	-0.002116	112	26	86	0.002209	0.81159
985	lc-initial	[dlrsmg | fptk] + ai4[dlrsmg | n]	457	3168	0.000771	-0.000185	30	7	23	0.000591	0.81081
986	[dlrsmg | fptk] + ai4[dlrsmg]	ai4n	1444	589	0.001207	0.000646	47	11	36	0.000925	0.81034
987	oe0-4s	ai4[dlrsmg | n]	632	1519	0.002620	0.001987	102	24	78	0.002004	0.80952
988	ai4[dlrsmg | n]	[dlrsmg]e0-4y	1519	453	0.000437	-0.000017	17	4	13	0.000334	0.80952
989	oke0-4y	rai4n	1314	115	0.000437	0.000337	17	4	13	0.000334	0.80952
990	[q | fptk | dlrsmg] + oi0-4[lr]	cean verbs	1819	213	0.000437	0.000181	17	4	13	0.000334	0.80952
991	[yo][fptk]e4o[dlrsmg]	[dlrsmg]ai4[lr]	924	875	0.000540	0.000006	21	5	16	0.000411	0.80769
992	ai4[dlrsmg | n]	o[tk]e0-4y	1519	2042	0.001773	-0.000275	69	17	52	0.001336	0.80233
993	[dlrsmg]ai4[lr]	ai4[dlrsmg | n]	875	1519	0.002287	0.001409	89	22	67	0.001721	0.80180
994	oi4[dlrsmg | n]	c | c[s | fptk] + e4dy	1124	1395	0.002158	0.001123	84	21	63	0.001619	0.80000
995	ai4r	ai4l	483	306	0.000822	0.000725	32	8	24	0.000617	0.80000
996	ce0-4s	ai4[dlrsmg | n]	165	1519	0.000719	0.000554	28	7	21	0.000540	0.80000
997	oke4dy	okal variants	933	544	0.000719	0.000384	28	7	21	0.000540	0.80000
998	ai4[lr]	o[tk]e0-4y	782	2042	0.000719	-0.000335	28	7	21	0.000540	0.80000
999	c | c[s | fptk] + e4dy	c + c[s | fptk]e4y	1395	1624	0.000617	-0.000879	24	6	18	0.000462	0.80000
1000	aro[dlrsmg]	ed[yoa]	105	5851	0.000617	0.000211	24	6	18	0.000462	0.80000
1001	kc-initial	[dlrsmg | fptk] + ai4n	322	1724	0.000514	0.000147	20	5	15	0.000385	0.80000
1002	so	ce4y	378	737	0.000514	0.000330	20	5	15	0.000385	0.80000
1003	[dlrsmg]e0-4y	dc-initial	453	454	0.000514	0.000378	20	5	15	0.000385	0.80000

1004	[fptk | dlrsmg] + c | c[s | fptk] + e4y	o[fptk]c + e0-4dy	2060	554	0.000514	-0.000239	20	5	15	0.000385	0.80000
1005	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	[yo][fptk]e4o[dlrsmg]	623	924	0.000411	0.000031	16	4	12	0.000308	0.80000
1006	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	ai4[dlrsmg]	230	930	0.000411	0.000270	16	4	12	0.000308	0.80000
1007	[yo][fp][yoa]	ai4[dlrsmg]	339	930	0.000411	0.000203	16	4	12	0.000308	0.80000
1008	[yo][fp][yoa]	[dlrsmg | fptk] + ai4[dlrsmg]	339	1444	0.000411	0.000088	16	4	12	0.000308	0.80000
1009	o[fptk]c + e0-4dy	dai4n	554	1140	0.000411	-0.000006	16	4	12	0.000308	0.80000
1010	oa	ai4r	321	483	0.000411	0.000309	16	4	12	0.000308	0.80000
1011	yc + e4o[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	68	2246	0.000411	0.000310	16	4	12	0.000308	0.80000
1012	l[fptk] Prefixes	[dlrsmg | fptk] + ai4[dlrsmg]	514	1444	0.000411	-0.000079	16	4	12	0.000308	0.80000
1013	eka	c[fptk]e4o-initial & c[fptk]e4y Superclass	191	1659	0.000411	0.000202	16	4	12	0.000308	0.80000
1014	[yo]tai0-4n	otal variants	490	333	0.000411	0.000303	16	4	12	0.000308	0.80000
1015	ai4n	ol[dtk]	589	842	0.000411	0.000084	16	4	12	0.000308	0.80000
1016	[tk]c-Initial	eda	667	784	0.000308	-0.000037	12	3	9	0.000231	0.80000
1017	odai0-4[lrm | n]	c | c[fptk] + e4o	767	228	0.000308	0.000193	12	3	9	0.000231	0.80000
1018	[fptk | dlrsmg] + c | c[s | fptk] + e4o	lc-initial	503	457	0.000308	0.000157	12	3	9	0.000231	0.80000
1019	okol variants	ce4y	285	737	0.000308	0.000170	12	3	9	0.000231	0.80000
1020	ai4[dlrsmg]	oke4dy	930	933	0.000308	-0.000264	12	3	9	0.000231	0.80000
1021	c + c[s | fptk]e4y	oc[s | fptk]e4y	1624	319	0.000308	-0.000034	12	3	9	0.000231	0.80000
1022	otce0-4y	okce0-4y	281	338	0.000308	0.000246	12	3	9	0.000231	0.80000
1023	[dlrsmg | fptk] + oi4[dlrsmg | n]	ce4ai4n	809	271	0.000308	0.000164	12	3	9	0.000231	0.80000
1024	aro[dlrsmg]	c + e4dy	105	3053	0.000308	0.000097	12	3	9	0.000231	0.80000
1025	a[lr][ao][lr]	c[s | fptk]e4dy	391	622	0.000308	0.000148	12	3	9	0.000231	0.80000
1026	yodai0-4l	[dlrsmg | fptk] + ai4[dlrsmg | n]	143	3168	0.000308	0.000009	12	3	9	0.000231	0.80000
1027	olo	y-initial	175	1926	0.000308	0.000086	12	3	9	0.000231	0.80000
1028	[yo]ke4o[dlrsmg]	okol variants	584	285	0.000308	0.000198	12	3	9	0.000231	0.80000
1029	otce0-4dy	o[tk]e0-4y	172	2042	0.000308	0.000076	12	3	9	0.000231	0.80000
1030	[yo]ce4y + s infixes	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	172	2246	0.000308	0.000053	12	3	9	0.000231	0.80000
1031	[yo]pa	[dlrsmg | fptk] + ai4n	141	1724	0.000308	0.000148	12	3	9	0.000231	0.80000
1032	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[yo]c[fptk]e4y	2060	294	0.000308	-0.000091	12	3	9	0.000231	0.80000
1033	[fptk | dlrsmg] + c | c[s | fptk] + e4y	oc[fptk]e4y	2060	289	0.000308	-0.000085	12	3	9	0.000231	0.80000
1034	o[tk]e0-4y	otar variants	2042	345	0.000308	-0.000157	12	3	9	0.000231	0.80000
1035	[dlrsmg]ai4[lr]	om	875	203	0.000308	0.000191	12	3	9	0.000231	0.80000
1036	[yo]ke4o[dlrsmg]	[dlrsmg] + ai4[lr] + y-suffix	584	1035	0.000308	-0.000091	12	3	9	0.000231	0.80000
1037	y-initial	[fptk]e0-4y	1926	161	0.000308	0.000104	12	3	9	0.000231	0.80000
1038	[yo][fptk]e4o[lr]	[dlrsmg | fptk] + ai4[dlrsmg]	449	1444	0.000308	-0.000120	12	3	9	0.000231	0.80000
1039	ai4l	Single-Letter Words	306	566	0.000308	0.000194	12	3	9	0.000231	0.80000
1040	cse4y	[yo]tai0-4n	578	490	0.000308	0.000121	12	3	9	0.000231	0.80000
1041	[fptk]ai4[dlrsmg | n]	[dlrsmg | fptk] + ai4n	411	1724	0.000308	-0.000159	12	3	9	0.000231	0.80000
1042	o[dlrs]ce4y Superset	oke0-4y	196	1314	0.000308	0.000138	12	3	9	0.000231	0.80000
1043	o[fptk]e4dy	l[drs] Prefixes	1444	95	0.000206	0.000115	8	2	6	0.000154	0.80000
1044	[yo]tai0-4n	o[fptk | dlrsmg][ao]m	490	280	0.000206	0.000115	8	2	6	0.000154	0.80000
1045	or[oa]	ek[yoa]	340	446	0.000206	0.000105	8	2	6	0.000154	0.80000
1046	olk	oa	557	321	0.000206	0.000088	8	2	6	0.000154	0.80000
1047	olk	otc + e0-4 + y | dy | o[dlrs]y	557	493	0.000206	0.000024	8	2	6	0.000154	0.80000
1048	[fptk]ai4[dlrsmg | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	411	519	0.000206	0.000065	8	2	6	0.000154	0.80000
1049	[dlrsmg] + ai4[lr] + y-suffix	yodai0-4r	1035	205	0.000206	0.000065	8	2	6	0.000154	0.80000
1050	[dlrsmg] + ai4[lr] + y-suffix	od[ao]i0-4r	1035	215	0.000206	0.000059	8	2	6	0.000154	0.80000
1051	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[yo]te4ol	2060	99	0.000206	0.000071	8	2	6	0.000154	0.80000
1052	[fptk | dlrsmg] + c | c[s | fptk] + e4y	ocke4y	2060	162	0.000206	-0.000015	8	2	6	0.000154	0.80000
1053	[yo][fptk][ao][lr]	ceam verbs	2688	61	0.000206	0.000097	8	2	6	0.000154	0.80000
1054	cse4y	okc + e0-4 + y | dy | o[dlrs]y	578	563	0.000206	-0.000009	8	2	6	0.000154	0.80000
1055	cse4y	[yo]ce4y + infixed versions	578	466	0.000206	0.000028	8	2	6	0.000154	0.80000
1056	ko	ea	179	1195	0.000206	0.000064	8	2	6	0.000154	0.80000
1057	ko	oda	179	847	0.000206	0.000105	8	2	6	0.000154	0.80000
1058	ko	yodai0-4[lrm | n]	179	832	0.000206	0.000107	8	2	6	0.000154	0.80000
1059	ko	ce4a	179	1009	0.000206	0.000086	8	2	6	0.000154	0.80000
1060	o[fptk]e4dy	edo	1444	90	0.000206	0.000120	8	2	6	0.000154	0.80000
1061	opce0-4dy	[yo][fp][yoa]	159	339	0.000206	0.000170	8	2	6	0.000154	0.80000
1062	c[s | fptk]e4dy	[yo][fptk]e4od + y	622	284	0.000206	0.000089	8	2	6	0.000154	0.80000
1063	c[s | fptk]e4dy	[yo][fptk]e4od	622	355	0.000206	0.000060	8	2	6	0.000154	0.80000
1064	ce0-4s	ai4r	165	483	0.000206	0.000153	8	2	6	0.000154	0.80000
1065	ko	[yo]d[ao]i0-4[lrm | n]	179	880	0.000206	0.000102	8	2	6	0.000154	0.80000
1066	[fptk] + c | c[s | fptk] + e4dy	o[fptk]ai4n	196	1598	0.000206	-0.000001	8	2	6	0.000154	0.80000
1067	ote0-4y	ceal verbs	731	230	0.000206	0.000095	8	2	6	0.000154	0.80000
1068	dairol/soral relatives	o[lr]a	190	469	0.000206	0.000147	8	2	6	0.000154	0.80000
1069	ote0-4y	otar variants	731	345	0.000206	0.000039	8	2	6	0.000154	0.80000
1070	otce0-4dy	oke4dy	172	933	0.000206	0.000100	8	2	6	0.000154	0.80000
1071	[dlrsmg]ai4[lr]	or[oa]	875	340	0.000206	0.000009	8	2	6	0.000154	0.80000
1072	[dlrsmg]ai4[lr]	odai0-4r	875	193	0.000206	0.000094	8	2	6	0.000154	0.80000
1073	cedar variants	cse4dy	176	585	0.000206	0.000138	8	2	6	0.000154	0.80000
1074	cedar variants	c[s | fptk]e4dy	176	622	0.000206	0.000133	8	2	6	0.000154	0.80000
1075	[yo]ke4o[lr]	okol variants	319	285	0.000206	0.000146	8	2	6	0.000154	0.80000
1076	[dlrsmg | fptk] + ai4[dlrsmg | n]	e[tk]o	3168	60	0.000206	0.000080	8	2	6	0.000154	0.80000
1077	dc-initial	okal variants	454	544	0.000206	0.000043	8	2	6	0.000154	0.80000
1078	old	dc-initial	225	454	0.000206	0.000138	8	2	6	0.000154	0.80000
1079	[dlrsmg]e0-4y	oe0-4s	453	632	0.000206	0.000017	8	2	6	0.000154	0.80000
1080	[yo]pa	dai4n	141	1140	0.000206	0.000099	8	2	6	0.000154	0.80000
1081	cse4o	tc-initial	205	345	0.000206	0.000159	8	2	6	0.000154	0.80000
1082	cse4o	ke4o	205	137	0.000206	0.000187	8	2	6	0.000154	0.80000
1083	[dlrsmg]e0-4y	okce0-4y	453	338	0.000206	0.000104	8	2	6	0.000154	0.80000
1084	ocke4y	ol[dtk]	162	842	0.000206	0.000115	8	2	6	0.000154	0.80000
1085	oe	[tk]e4o	463	206	0.000206	0.000143	8	2	6	0.000154	0.80000
1086	yce4y + infixed versions	o[fptk]ai4n	87	1598	0.000206	0.000114	8	2	6	0.000154	0.80000
1087	o[fptk]c + e0-4 + y | dy | o[dlrs]y	[yo][fptk | dlrsmg] + c | cs + e4o	1421	113	0.000206	0.000100	8	2	6	0.000154	0.80000
1088	olo	y[fptk]-initial	175	1295	0.000206	0.000056	8	2	6	0.000154	0.80000
1089	c[s | fptk]e4y	oc[s | fptk]e4y	887	319	0.000206	0.000019	8	2	6	0.000154	0.80000
1090	ola	[yo]d[ao]i0-4[lrm | n]	228	880	0.000206	0.000073	8	2	6	0.000154	0.80000
1091	[yo]ce4y + infixed versions	olcey relative	466	277	0.000206	0.000120	8	2	6	0.000154	0.80000
1092	[yo]ce4y + infixed versions	otai0-4n	466	430	0.000206	0.000073	8	2	6	0.000154	0.80000
1093	y + Non-[dlrs] Prefixes	[fptk | dlrsmg] + c | c[s | fptk] + e4o	205	503	0.000206	0.000137	8	2	6	0.000154	0.80000
1094	yodai0-4n	cte4y	448	186	0.000206	0.000151	8	2	6	0.000154	0.80000
1095	lc-initial	eda	457	784	0.000206	-0.000031	8	2	6	0.000154	0.80000
1096	oke4dy	opc + e0-4 + y | dy | o[dlrs]y	933	302	0.000206	0.000020	8	2	6	0.000154	0.80000
1097	cse4dy	[yo][fptk]e4od + y	585	284	0.000206	0.000096	8	2	6	0.000154	0.80000
1098	cse4dy	[yo][fptk]e4od	585	355	0.000206	0.000068	8	2	6	0.000154	0.80000
1099	ol[yoa]	so	614	378	0.000206	0.000052	8	2	6	0.000154	0.80000
1100	Single-Letter Words	oke4dy	566	933	0.000206	-0.000143	8	2	6	0.000154	0.80000
1101	c + c[s | fptk]e4y	sc-initial	1624	103	0.000206	0.000095	8	2	6	0.000154	0.80000
1102	od[ao]i0-4[lrm | n]	ceal verbs	813	230	0.000206	0.000082	8	2	6	0.000154	0.80000
1103	oce4y + s infixes	dai4n	90	1140	0.000206	0.000138	8	2	6	0.000154	0.80000

1104	c + c[s | fptk]e4y	[yo]te4ol	1624	99	0.000206	0.000099	8	2	6	0.000154	0.80000
1105	ek[yoa]	ol[yoa]	446	614	0.000206	0.000025	8	2	6	0.000154	0.80000
1106	ai4[dlrsmg | n]	a[dlrsmg]am	1519	92	0.000206	0.000113	8	2	6	0.000154	0.80000
1107	[yo][fp]a	o[lr][yoa]	200	1044	0.000206	0.000068	8	2	6	0.000154	0.80000
1108	ai4[dlrsmg | n]	faceys relatives	1519	61	0.000206	0.000144	8	2	6	0.000154	0.80000
1109	ai4[dlrsmg | n]	cse4dy	1519	585	0.000206	-0.000381	8	2	6	0.000154	0.80000
1110	[tk]e4dy	okai0-4n	309	994	0.000206	0.000003	8	2	6	0.000154	0.80000
1111	[dlrsmg] + ai4r	c[s | fptk]e4dy	190	622	0.000206	0.000128	8	2	6	0.000154	0.80000
1112	[fptk | dlrsmg] + c | c[s | fptk] + e4or	ceal verbs	733	230	0.000206	0.000094	8	2	6	0.000154	0.80000
1113	ceal variants	Single-Letter Words	269	566	0.000206	0.000105	8	2	6	0.000154	0.80000
1114	otai0-4n	ai4r	430	483	0.000206	0.000068	8	2	6	0.000154	0.80000
1115	cse0-4s	o[tk]e0-4y	102	2042	0.000206	0.000068	8	2	6	0.000154	0.80000
1116	ai4[dlrsmg]	[tk]e4dy	930	309	0.000206	0.000016	8	2	6	0.000154	0.80000
1117	ai4[dlrsmg]	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	930	623	0.000206	-0.000177	8	2	6	0.000154	0.80000
1118	cean variants	o[lr][oa]	255	735	0.000206	0.000082	8	2	6	0.000154	0.80000
1119	kc-initial	[dlrsmg] + ai4[lr] + y-suffix	322	1035	0.000206	-0.000014	8	2	6	0.000154	0.80000
1120	a-axis of [yo][fptk][ao][lr]	dai4m	1731	130	0.000206	0.000057	8	2	6	0.000154	0.80000
1121	a-axis of [yo][fptk][ao][lr]	ceam variants	1731	76	0.000206	0.000119	8	2	6	0.000154	0.80000
1122	otol variants	do	239	383	0.000206	0.000145	8	2	6	0.000154	0.80000
1123	[yo]kai0-4n	ai0-4[dlrsmg][dlrsmg]	1067	214	0.000206	0.000055	8	2	6	0.000154	0.80000
1124	o[lr][yo]	otal variants	583	333	0.000206	0.000077	8	2	6	0.000154	0.80000
1125	o[fptk]eda[lrsm | n]	oi4[dlrsmg | n]	184	1124	0.000206	0.000069	8	2	6	0.000154	0.80000
1126	oke4dy	[yo]te4o[dlrsmg]	933	341	0.000206	-0.000004	8	2	6	0.000154	0.80000
1127	oke4dy	opce0-4dy	933	159	0.000206	0.000108	8	2	6	0.000154	0.80000
1128	pc-initial	o[lr][oa]	307	735	0.000206	0.000057	8	2	6	0.000154	0.80000
1129	pc-initial	oke0-4y	307	1314	0.000206	-0.000061	8	2	6	0.000154	0.80000
1130	[yo]ce4y	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	113	2246	0.000206	0.000038	8	2	6	0.000154	0.80000
1131	[yo][fptk]e4od	o[lr]a	355	469	0.000206	0.000096	8	2	6	0.000154	0.80000
1132	dc-initial	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	454	445	0.000206	0.000072	8	2	6	0.000154	0.80000
1133	dc-initial	cse4dy	454	585	0.000206	0.000030	8	2	6	0.000154	0.80000
1134	[dlrsmg | fptk] + oi4[dlrsmg | n]	c | cs + e0-4s	809	188	0.000206	0.000105	8	2	6	0.000154	0.80000
1135	a[dlrsmg]c	y[fptk]-initial	91	1295	0.000206	0.000128	8	2	6	0.000154	0.80000
1136	okol variants	od[ao]i0-4[lrm | n]	285	813	0.000206	0.000053	8	2	6	0.000154	0.80000
1137	odai0-4[lrm | n]	cte4y	767	186	0.000206	0.000111	8	2	6	0.000154	0.80000
1138	pc-initial	ai4[dlrsmg]	307	930	0.000206	0.000017	8	2	6	0.000154	0.80000
1139	pc-initial	ai4[lr]	307	782	0.000206	0.000047	8	2	6	0.000154	0.80000
1140	ai4r	cse4y	483	578	0.000206	0.000021	8	2	6	0.000154	0.80000
1141	ce4y	[dlrsmg]e0-4y	737	453	0.000206	-0.000015	8	2	6	0.000154	0.80000
1142	ce4y	ceckey relatives	737	377	0.000206	0.000022	8	2	6	0.000154	0.80000
1143	oke0-4y	o[fptk]eda[lrsm | n]	1314	184	0.000206	0.000046	8	2	6	0.000154	0.80000
1144	odai0-4[lrm | n]	ceal verbs	767	230	0.000206	0.000089	8	2	6	0.000154	0.80000
1145	okce0-4y	om + o[fptk | dlrsmg]am	338	454	0.000206	0.000104	8	2	6	0.000154	0.80000
1146	ora	o[lr][yo]	241	583	0.000206	0.000113	8	2	6	0.000154	0.80000
1147	okce0-4y	okol variants	338	285	0.000206	0.000142	8	2	6	0.000154	0.80000
1148	pc-initial	[dlrsmg | fptk] + oi4[dlrsmg | n]	307	809	0.000206	0.000042	8	2	6	0.000154	0.80000
1149	[tk]c-Initial	[fptk]ai4[dlrsmg | n]	667	411	0.000206	0.000025	8	2	6	0.000154	0.80000
1150	ai4n	ce4dy	589	755	0.000206	-0.000088	8	2	6	0.000154	0.80000
1151	[yo][fptk]e4ol	c | c[fptk] + e4o	322	228	0.000206	0.000157	8	2	6	0.000154	0.80000
1152	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	oke4dy	519	933	0.000206	-0.000114	8	2	6	0.000154	0.80000
1153	[yo][fptk]e4od + y	o-axis of [yo][fptk][ao][lr]	284	764	0.000206	0.000062	8	2	6	0.000154	0.80000
1154	cte4[yo]	o[lr][oa]	406	735	0.000206	0.000009	8	2	6	0.000154	0.80000
1155	cte4[yo]	or[yoa]	406	438	0.000206	0.000088	8	2	6	0.000154	0.80000
1156	oi4[dlrsmg | n]	ce4o	1124	160	0.000206	0.000087	8	2	6	0.000154	0.80000
1157	cke4[yo]	[dlrsmg] + ai4[lr] + y-suffix	172	1035	0.000206	0.000088	8	2	6	0.000154	0.80000
1158	cke4[yo]	[dlrsmg]ai4[lr]	172	875	0.000206	0.000106	8	2	6	0.000154	0.80000
1159	cedar variants	opc + e0-4 + y | dy | o[dlrs]y	176	302	0.000206	0.000170	8	2	6	0.000154	0.80000
1160	c | cs + e0-4[dlrsmg]	okc + e0-4 + y | dy | o[dlrs]y	281	563	0.000206	0.000101	8	2	6	0.000154	0.80000
1161	y[fptk]-initial	okce0-4dy	1295	188	0.000206	0.000045	8	2	6	0.000154	0.80000
1162	lc-initial	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	457	230	0.000206	0.000136	8	2	6	0.000154	0.80000
1163	okal variants	c | cs + e0-4[dlrsmg]	544	281	0.000206	0.000105	8	2	6	0.000154	0.80000
1164	oi4n Superset	o[fptk]e4dy	257	1444	0.000206	-0.000039	8	2	6	0.000154	0.80000
1165	oa	o[fptk]c + e0-4 + y | dy | o[dlrs]y	321	1421	0.000206	-0.000096	8	2	6	0.000154	0.80000
1166	ola	oda	228	847	0.000206	0.000078	8	2	6	0.000154	0.80000
1167	ola	yodai0-4[lrm | n]	228	832	0.000206	0.000080	8	2	6	0.000154	0.80000
1168	do	o[lr][oa]	383	735	0.000206	0.000020	8	2	6	0.000154	0.80000
1169	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	ce4a	445	1009	0.000206	-0.000091	8	2	6	0.000154	0.80000
1170	do	cse4dy	383	585	0.000206	0.000058	8	2	6	0.000154	0.80000
1171	ai4[dlrsmg | n]	[yo]ce4y + s infixes	1519	172	0.000206	0.000033	8	2	6	0.000154	0.80000
1172	ai4[dlrsmg | n]	ke4dy	1519	217	0.000206	-0.000012	8	2	6	0.000154	0.80000
1173	[yo]d[ao]i0-4n	cte4y	450	186	0.000206	0.000150	8	2	6	0.000154	0.80000
1174	cke4y	[dlrsmg | fptk] + ai4[dlrsmg]	93	1444	0.000206	0.000117	8	2	6	0.000154	0.80000
1175	edo	oi4[dlrsmg | n]	90	1124	0.000206	0.000139	8	2	6	0.000154	0.80000
1176	od[ao]i0-4[lrm | n]	cte4y	813	186	0.000206	0.000106	8	2	6	0.000154	0.80000
1177	c | cs + e0-4d	y-initial	89	1926	0.000206	0.000092	8	2	6	0.000154	0.80000
1178	c + e4dy	o[fptk]c + e0-4ol	3053	159	0.000206	-0.000115	8	2	6	0.000154	0.80000
1179	cedai4[lrsm | n]	dc-initial	527	454	0.000206	0.000048	8	2	6	0.000154	0.80000
1180	[dlrsmg | fptk] + ai4[dlrsmg | n]	c | cs + e0-4[dlrsmg]	3168	281	0.001002	0.000414	39	10	29	0.000745	0.79592
1181	ce4y	[tk]c-Initial	737	667	0.000899	0.000575	35	9	26	0.000668	0.79545
1182	ai4[dlrsmg | n]	c | c[s | fptk] + e4dy	1519	1395	0.000796	-0.000602	31	8	23	0.000591	0.79487
1183	ai4[lr]	[yo]dy endings	782	1228	0.000694	0.000060	27	7	20	0.000514	0.79412
1184	[q | fptk | dlrsmg] + oi0-4[lr]	ke4dy	1819	217	0.000694	0.000433	27	7	20	0.000514	0.79412
1185	[dlrsmg]ai4[lr]	ai4[lr]	875	782	0.001182	0.000730	46	12	34	0.000873	0.79310
1186	c[s | fptk]e4dy	o[fptk]c + e0-4dy	622	554	0.000591	0.000363	23	6	17	0.000437	0.79310
1187	sai4n	oi4[dlrsmg | n]	258	1124	0.000591	0.000399	23	6	17	0.000437	0.79310
1188	oi4[dlrsmg | n]	cse4dy	1124	585	0.001079	0.000645	42	11	31	0.000796	0.79245
1189	okc + e0-4 + y | dy | o[dlrs]y	o-axis of [yo][fptk][ao][lr]	563	764	0.000488	0.000204	19	5	14	0.000360	0.79167
1190	ai4n	ed[yoa]	589	5851	0.001541	-0.000733	60	16	44	0.001130	0.78947
1191	ai4[dlrsmg | n]	ote0-4y	1519	731	0.000771	0.000038	30	8	22	0.000565	0.78947
1192	lk-initial	[dlrsmg | fptk] + ai4[dlrsmg]	454	1444	0.000385	-0.000047	15	4	11	0.000283	0.78947
1193	ce4y	[tk]e4dy	737	309	0.000385	0.000235	15	4	11	0.000283	0.78947
1194	otc + e0-4 + y | dy | o[dlrs]y	[dlrsmg | fptk]e0-4y	493	735	0.000385	0.000146	15	4	11	0.000283	0.78947
1195	cedaiin variants	c | c[s | fptk] + e4dy	189	1395	0.000385	0.000211	15	4	11	0.000283	0.78947
1196	om + o[fptk | dlrsmg]am	[tk]c-Initial	454	667	0.000385	0.000185	15	4	11	0.000283	0.78947
1197	otar variants	ce4dy	345	755	0.000385	0.000213	15	4	11	0.000283	0.78947
1198	otol variants	y-initial	239	1926	0.000385	0.000082	15	4	11	0.000283	0.78947
1199	otai0-4n	otal variants	430	333	0.000385	0.000291	15	4	11	0.000283	0.78947
1200	c[fptk]e4o-initial & c[fptk]e4y Superclass	or[yo]	1659	200	0.000385	0.000166	15	4	11	0.000283	0.78947
1201	ote0-4y	l[fptk] Prefixes	731	514	0.000385	0.000137	15	4	11	0.000283	0.78947
1202	y-initial	oy + oe4y	1926	207	0.000385	0.000122	15	4	11	0.000283	0.78947
1203	o[fptk]c + e0-4ol	[dlrsmg | fptk] + ai4[dlrsmg]	159	1444	0.000385	0.000234	15	4	11	0.000283	0.78947
1204	o[fptk]c + e0-4dy	ote0-4y	554	731	0.000385	0.000118	15	4	11	0.000283	0.78947

1205	c + c[s | fptk]e4y	o[fptk]c + e0-4dy	1624	554	0.000385	-0.000208	15	4	11	0.000283	0.78947
1206	[yo][fptk]e4o[dlrsmg]	okol variants	924	285	0.000385	0.000212	15	4	11	0.000283	0.78947
1207	[dlrsmg] + ai4[lr] + y-suffix	ai4[dlrsmg | n]	1035	1519	0.002775	0.001737	108	29	79	0.002030	0.78832
1208	o-axis of [yo][fptk][ao][lr]	ce4y	764	737	0.000668	0.000296	26	7	19	0.000488	0.78788
1209	[q | fptk | dlrsmg] + oi0-4[lr]	ai4n	1819	589	0.002954	0.002247	115	31	84	0.002158	0.78767
1210	[dlrsmg | fptk] + ai4[dlrsmg]	ai4[dlrsmg | n]	1444	1519	0.003674	0.002226	143	39	104	0.002672	0.78571
1211	oi4[dlrsmg | n]	c[s | fptk]e4dy	1124	622	0.001130	0.000669	44	12	32	0.000822	0.78571
1212	ai4[dlrsmg]	o[tk]e0-4y	930	2042	0.000848	-0.000406	33	9	24	0.000617	0.78571
1213	aro[dlrsmg]	edy	105	4981	0.000565	0.000220	22	6	16	0.000411	0.78571
1214	o[tk]e0-4y	rai4n	2042	115	0.000565	0.000410	22	6	16	0.000411	0.78571
1215	[fptk]ai4[dlrsmg | n]	o[fptk]ai4n	411	1598	0.000565	0.000132	22	6	16	0.000411	0.78571
1216	dc-initial	o[fptk]e4dy	454	1444	0.000565	0.000133	22	6	16	0.000411	0.78571
1217	ofc + e4 + y | dy | o + [lr] Superset	[dlrsmg | fptk] + ai4[dlrsmg | n]	75	3168	0.000283	0.000126	11	3	8	0.000206	0.78571
1218	ol[tk]	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	621	186	0.000283	0.000206	11	3	8	0.000206	0.78571
1219	o[lr][yoa]	so	1044	378	0.000283	0.000022	11	3	8	0.000206	0.78571
1220	odai0-4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	326	519	0.000283	0.000171	11	3	8	0.000206	0.78571
1221	odai0-4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	326	445	0.000283	0.000187	11	3	8	0.000206	0.78571
1222	[yo][fptk]e4o[lr]	[dlrsmg] + ai4[lr] + y-suffix	449	1035	0.000283	-0.000024	11	3	8	0.000206	0.78571
1223	[yo]c + e4o Superclass	o[fptk]c + e0-4y	345	753	0.000283	0.000111	11	3	8	0.000206	0.78571
1224	c | cs + e0-4[dlrsmg]	Single-Letter Words	281	566	0.000283	0.000178	11	3	8	0.000206	0.78571
1225	[yo]ke4o[dlrsmg]	[dlrsmg]ai4[lr]	584	875	0.000283	-0.000055	11	3	8	0.000206	0.78571
1226	[yo]ke4o[dlrsmg]	c | c[fptk] + e4o	584	228	0.000283	0.000195	11	3	8	0.000206	0.78571
1227	o[tk]e0-4y	cedal variants	2042	127	0.000283	0.000111	11	3	8	0.000206	0.78571
1228	o[fptk]c + e0-4y	[fptk]ai4[dlrsmg | n]	753	411	0.000283	0.000078	11	3	8	0.000206	0.78571
1229	ol[dtk]	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	842	186	0.000283	0.000179	11	3	8	0.000206	0.78571
1230	c[s | fptk]e4dy	[fptk] + c | c[s | fptk] + e4dy	622	196	0.000283	0.000202	11	3	8	0.000206	0.78571
1231	yodai0-4r	c + c[s | fptk]e4y	205	1624	0.000283	0.000063	11	3	8	0.000206	0.78571
1232	o[fptk]ai4n	cedar variants	1598	176	0.000283	0.000097	11	3	8	0.000206	0.78571
1233	cse4y	otai0-4n	578	430	0.000283	0.000119	11	3	8	0.000206	0.78571
1234	[yo]d[ao]i0-4r	c + c[s | fptk]e4y	228	1624	0.000283	0.000038	11	3	8	0.000206	0.78571
1235	c + e4dy	qo variants	3053	59	0.000283	0.000164	11	3	8	0.000206	0.78571
1236	olk	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	557	230	0.000283	0.000198	11	3	8	0.000206	0.78571
1237	[yo][fp][yoa]	ai4[lr]	339	782	0.000283	0.000108	11	3	8	0.000206	0.78571
1238	cectey relatives	c[fptk]e4o-initial & c[fptk]e4y Superclass	197	1659	0.000283	0.000067	11	3	8	0.000206	0.78571
1239	cse4dy	[fptk] + c | c[s | fptk] + e4dy	585	196	0.000283	0.000207	11	3	8	0.000206	0.78571
1240	dai4n	c | cs + e0-4[dlrsmg]	1140	281	0.000283	0.000071	11	3	8	0.000206	0.78571
1241	c[s | fptk]e4y	oce4y + infixed versions	887	379	0.000283	0.000061	11	3	8	0.000206	0.78571
1242	odai0-4l	[dlrsmg | fptk] + ai4[dlrsmg | n]	133	3168	0.000283	0.000005	11	3	8	0.000206	0.78571
1243	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	okol variants	519	285	0.000283	0.000185	11	3	8	0.000206	0.78571
1244	oa	ce4y	321	737	0.000283	0.000126	11	3	8	0.000206	0.78571
1245	l[fptk] Prefixes	[dlrsmg] + ai4[lr] + y-suffix	514	1035	0.000283	-0.000069	11	3	8	0.000206	0.78571
1246	ai4[lr]	a[lr][fptk]	782	83	0.000283	0.000240	11	3	8	0.000206	0.78571
1247	lk-initial	ote4dy	454	509	0.000283	0.000130	11	3	8	0.000206	0.78571
1248	[dlrsmg | fptk] + ai4n	c | cs + e0-4s	1724	188	0.000283	0.000069	11	3	8	0.000206	0.78571
1249	ol[oa]	ce4y	401	737	0.000283	0.000088	11	3	8	0.000206	0.78571
1250	yodai0-4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	348	445	0.000283	0.000180	11	3	8	0.000206	0.78571
1251	yodai0-4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	348	519	0.000283	0.000163	11	3	8	0.000206	0.78571
1252	od[ao]i0-4r	c + c[s | fptk]e4y	215	1624	0.000283	0.000052	11	3	8	0.000206	0.78571
1253	c | cs + e0-4s	ai4r	188	483	0.000283	0.000223	11	3	8	0.000206	0.78571
1254	odai0-4r	c + c[s | fptk]e4y	193	1624	0.000283	0.000076	11	3	8	0.000206	0.78571
1255	cedaiin variants	c[fptk]e4o-initial & c[fptk]e4y Superclass	189	1659	0.000283	0.000076	11	3	8	0.000206	0.78571
1256	[yo]ke4o[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	319	503	0.000283	0.000177	11	3	8	0.000206	0.78571
1257	ceam variants	y-initial	76	1926	0.000283	0.000186	11	3	8	0.000206	0.78571
1258	okc + e0-4 + y | dy | o[dlrs]y	okal variants	563	544	0.000283	0.000080	11	3	8	0.000206	0.78571
1259	oi4[dlrsmg | n]	oi4n	1124	58	0.000283	0.000240	11	3	8	0.000206	0.78571
1260	[fp]c-Initial	ai4[dlrsmg | n]	387	1519	0.000283	-0.000105	11	3	8	0.000206	0.78571
1261	[fp]c-Initial	ce4a	387	1009	0.000283	0.000025	11	3	8	0.000206	0.78571
1262	pc-initial	o[fptk]e4dy	307	1444	0.000283	-0.000010	11	3	8	0.000206	0.78571
1263	a[lr][ao][lr]	cse4dy	391	585	0.000283	0.000132	11	3	8	0.000206	0.78571
1264	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	okol variants	445	285	0.000283	0.000199	11	3	8	0.000206	0.78571
1265	lc-initial	[dlrsmg | fptk] + oi4[dlrsmg | n]	457	809	0.000283	0.000039	11	3	8	0.000206	0.78571
1266	so	c + c[s | fptk]e4y	378	1624	0.001028	0.000622	40	11	29	0.000745	0.78431
1267	okc + e0-4 + y | dy | o[dlrs]y	a-axis of [yo][fptk][ao][lr]	563	1731	0.000745	0.000102	29	8	21	0.000540	0.78378
1268	ea	ai4r	1195	483	0.000745	0.000364	29	8	21	0.000540	0.78378
1269	okal variants	[dlrsmg]ai4[lr]	544	875	0.000745	0.000431	29	8	21	0.000540	0.78378
1270	ai4[dlrsmg | n]	[yo]d[ao]i0-4n	1519	450	0.000462	0.000011	18	5	13	0.000334	0.78261
1271	ai4[dlrsmg | n]	yodai0-4n	1519	448	0.000462	0.000013	18	5	13	0.000334	0.78261
1272	[yo]pa	[dlrsmg | fptk] + ai4[dlrsmg | n]	141	3168	0.000462	0.000168	18	5	13	0.000334	0.78261
1273	[yo]dy endings	okol variants	1228	285	0.000462	0.000231	18	5	13	0.000334	0.78261
1274	[dlrsmg | fptk] + ai4[dlrsmg | n]	c | cs + e0-4s	3168	188	0.000462	0.000069	18	5	13	0.000334	0.78261
1275	cse4o	[tk]c-Initial	205	667	0.000462	0.000372	18	5	13	0.000334	0.78261
1276	dc-initial	oke4dy	454	933	0.000462	0.000183	18	5	13	0.000334	0.78261
1277	y-initial	olcey relative	1926	277	0.000462	0.000110	18	5	13	0.000334	0.78261
1278	c + c[s | fptk]e4y	ke4dy	1624	217	0.000462	0.000230	18	5	13	0.000334	0.78261
1279	or[yo]	y-initial	200	1926	0.000462	0.000208	18	5	13	0.000334	0.78261
1280	ai4[lr]	c[fptk]e4o-initial & c[fptk]e4y Superclass	782	1659	0.000462	-0.000394	18	5	13	0.000334	0.78261
1281	ai4n	c[fptk]e4o-initial & c[fptk]e4y Superclass	589	1659	0.000462	-0.000183	18	5	13	0.000334	0.78261
1282	[tk]e4dy	[dlrsmg | fptk] + ai4[dlrsmg | n]	309	3168	0.000642	-0.000004	25	7	18	0.000462	0.78125
1283	cse4dy	o[fptk]c + e0-4 + y | dy | o[dlrs]y	585	1421	0.000822	0.000273	32	9	23	0.000591	0.78049
1284	l[fptk] Prefixes	o[fptk]ai4n	514	1598	0.000822	0.000280	32	9	23	0.000591	0.78049
1285	ai4[dlrsmg]	edy	930	4981	0.001619	-0.001439	63	18	45	0.001156	0.77778
1286	[dlrsmg | fptk] + ai4[dlrsmg]	cse4dy	1444	585	0.001079	0.000521	42	12	30	0.000771	0.77778
1287	[dlrsmg | fptk] + ai4[dlrsmg | n]	cse4o	3168	205	0.000540	0.000111	21	6	15	0.000385	0.77778
1288	[yo]ke4o	[dlrsmg | fptk] + ai4[dlrsmg | n]	89	3168	0.000540	0.000353	21	6	15	0.000385	0.77778
1289	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	ai4[dlrsmg | n]	230	1519	0.000540	0.000309	21	6	15	0.000385	0.77778
1290	ai4r	o[tk]e0-4y	483	2042	0.000540	-0.000111	21	6	15	0.000385	0.77778
1291	ai4[dlrsmg | n]	ek[yoa]	1519	446	0.000540	0.000092	21	6	15	0.000385	0.77778
1292	ce4a	ai4r	1009	483	0.000540	0.000218	21	6	15	0.000385	0.77778
1293	[fptk | dlrsmg] + c | c[s | fptk] + e4or	cean verbs	733	213	0.000360	0.000257	14	4	10	0.000257	0.77778
1294	ai4[dlrsmg | n]	a[lr][fptk]	1519	83	0.000360	0.000276	14	4	10	0.000257	0.77778
1295	ai4[dlrsmg]	[dlrsmg]e0-4y	930	453	0.000360	0.000082	14	4	10	0.000257	0.77778
1296	o-axis of [yo][fptk][ao][lr]	otar variants	764	345	0.000360	0.000186	14	4	10	0.000257	0.77778
1297	kc-initial	dai4n	322	1140	0.000360	0.000117	14	4	10	0.000257	0.77778
1298	ce4ai4n	y[fptk]-initial	271	1295	0.000360	0.000128	14	4	10	0.000257	0.77778
1299	oda	cse4o	847	205	0.000360	0.000245	14	4	10	0.000257	0.77778
1300	[dlrsmg | fptk] + oi4[dlrsmg | n]	ai4r	809	483	0.000360	0.000102	14	4	10	0.000257	0.77778
1301	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	a-axis of [yo][fptk][ao][lr]	230	1731	0.000360	0.000097	14	4	10	0.000257	0.77778
1302	cte4[yo]	o[lr][yoa]	406	1044	0.000360	0.000080	14	4	10	0.000257	0.77778
1303	c[fptk]e4o-initial & c[fptk]e4y	otal variants	1659	333	0.000360	-0.000005	14	4	10	0.000257	0.77778

	Superclass										
1304	[fptk]ai4[lr]	ai4[lr]	190	782	0.000360	0.000262	14	4	10	0.000257	0.77778
1305	[tk]c-Initial	olk	667	557	0.000360	0.000114	14	4	10	0.000257	0.77778
1306	[yo]c[s | fptk]e4y	o-axis of [yo][fptk][ao][lr]	353	764	0.000360	0.000182	14	4	10	0.000257	0.77778
1307	[ao][lr][ao][lr] Pipe/Flow	cse4y	843	578	0.000360	0.000038	14	4	10	0.000257	0.77778
1308	o[fptk]c + e0-4 + y | dy | o[dlrs]y	o[fptk]c + e0-4ol	1421	159	0.000360	0.000211	14	4	10	0.000257	0.77778
1309	cte4[yo]	oe0-4s	406	632	0.000360	0.000190	14	4	10	0.000257	0.77778
1310	ocke4y	oke0-4y	162	1314	0.000360	0.000219	14	4	10	0.000257	0.77778
1311	cse4y	o[fptk]c + e0-4y	578	753	0.000360	0.000072	14	4	10	0.000257	0.77778
1312	[fptk]ai4[dlrsmg | n]	ol[dtk]	411	842	0.000360	0.000131	14	4	10	0.000257	0.77778
1313	[fptk]ai4[dlrsmg | n]	okai0-4n	411	994	0.000360	0.000090	14	4	10	0.000257	0.77778
1314	o + c | cs + e4o[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	88	2246	0.000360	0.000229	14	4	10	0.000257	0.77778
1315	yodai0-4[lrm | n]	cse4o	832	205	0.000360	0.000247	14	4	10	0.000257	0.77778
1316	c | c[s | fptk] + e4dy	opc + e0-4 + y | dy | o[dlrs]y	1395	302	0.000360	0.000082	14	4	10	0.000257	0.77778
1317	ai4[dlrsmg | n]	o[fptk]c + e0-4y	1519	753	0.000360	-0.000395	14	4	10	0.000257	0.77778
1318	om + o[fptk | dlrsmg]am	tc-initial	454	345	0.000360	0.000256	14	4	10	0.000257	0.77778
1319	oi	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	304	623	0.000180	0.000055	7	2	5	0.000128	0.77778
1320	c | cs + e0-4d	y[fptk]-initial	89	1295	0.000180	0.000104	7	2	5	0.000128	0.77778
1321	eda	oc[fpt]e4y	784	132	0.000180	0.000112	7	2	5	0.000128	0.77778
1322	cke4y	[dlrsmg] + ai4[lr] + y-suffix	93	1035	0.000180	0.000116	7	2	5	0.000128	0.77778
1323	cke4y	[dlrsmg]ai4[lr]	93	875	0.000180	0.000126	7	2	5	0.000128	0.77778
1324	c | cs + e0-4s	ote0-4y	188	731	0.000180	0.000089	7	2	5	0.000128	0.77778
1325	[q | fptk | dlrsmg] + oi0-4[lr]	olcey relatives (non -edy)	1819	138	0.000180	0.000014	7	2	5	0.000128	0.77778
1326	[yo][fp]ai0-4[rn]	ai4[lr]	111	782	0.000180	0.000123	7	2	5	0.000128	0.77778
1327	Detached Class Modifiers	o[fptk]c + e0-4 + y | dy | o[dlrs]y	95	1421	0.000180	0.000091	7	2	5	0.000128	0.77778
1328	lc-initial	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	457	186	0.000180	0.000124	7	2	5	0.000128	0.77778
1329	[fptk]ai4n	ek[yoa]	191	446	0.000180	0.000124	7	2	5	0.000128	0.77778
1330	sai4n	[yo]ke4o[dlrsmg]	258	584	0.000180	0.000080	7	2	5	0.000128	0.77778
1331	cse4dy	cse4y	585	578	0.000180	-0.000043	7	2	5	0.000128	0.77778
1332	oke4dy	od[ao]i0-4n	933	410	0.000180	-0.000073	7	2	5	0.000128	0.77778
1333	oke4dy	yodai0-4n	933	448	0.000180	-0.000096	7	2	5	0.000128	0.77778
1334	oke4dy	odai0-4n	933	408	0.000180	-0.000071	7	2	5	0.000128	0.77778
1335	oke4dy	[yo]d[ao]i0-4n	933	450	0.000180	-0.000097	7	2	5	0.000128	0.77778
1336	[fptk]ai4m	edy	20	4981	0.000180	0.000114	7	2	5	0.000128	0.77778
1337	[dlrsmg | fptk] + ai4n	ols	1724	93	0.000180	0.000074	7	2	5	0.000128	0.77778
1338	o-axis of [yo][fptk][ao][lr]	od[ao]i0-4n	764	410	0.000180	-0.000027	7	2	5	0.000128	0.77778
1339	or[yoa]	oa	438	321	0.000180	0.000087	7	2	5	0.000128	0.77778
1340	c + c[s | fptk]e4y	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	1624	222	0.000180	-0.000058	7	2	5	0.000128	0.77778
1341	od[ao]i0-4[lrm | n]	[yo][fptk | dlrsmg] + c | cs + e4o	813	113	0.000180	0.000119	7	2	5	0.000128	0.77778
1342	Detached Class Modifiers	o[fptk]c + e0-4y	95	753	0.000180	0.000133	7	2	5	0.000128	0.77778
1343	lc-initial	cedai4[lrsm | n]	457	527	0.000180	0.000021	7	2	5	0.000128	0.77778
1344	ola	ce4y	228	737	0.000180	0.000069	7	2	5	0.000128	0.77778
1345	c[s | fptk]e4y	sc-initial	887	103	0.000180	0.000120	7	2	5	0.000128	0.77778
1346	c[s | fptk]e4y	o[lr]o	887	274	0.000180	0.000019	7	2	5	0.000128	0.77778
1347	Consonant Clusters	y-initial	115	1926	0.000180	0.000034	7	2	5	0.000128	0.77778
1348	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	od endings	623	243	0.000180	0.000080	7	2	5	0.000128	0.77778
1349	a-axis of [yo][fptk][ao][lr]	g	1731	132	0.000180	0.000029	7	2	5	0.000128	0.77778
1350	c | c[s | fptk] + e4dy	l[drs] Prefixes	1395	95	0.000180	0.000092	7	2	5	0.000128	0.77778
1351	dai4n	c | cs + e0-4s	1140	188	0.000180	0.000038	7	2	5	0.000128	0.77778
1352	dai4n	ce0-4s	1140	165	0.000180	0.000056	7	2	5	0.000128	0.77778
1353	o[fptk]c + e0-4ol	[dlrsmg]ai4[lr]	159	875	0.000180	0.000088	7	2	5	0.000128	0.77778
1354	o[lr][yo]	c | cs + e0-4[dlrsmg]	583	281	0.000180	0.000072	7	2	5	0.000128	0.77778
1355	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	oke4dy	445	933	0.000180	-0.000094	7	2	5	0.000128	0.77778
1356	o[lr]a	[yo]d[ao]i0-4[lr]	469	393	0.000180	0.000058	7	2	5	0.000128	0.77778
1357	yodai0-4[lrm | n]	[yo][fptk | dlrsmg] + c | cs + e4o	832	113	0.000180	0.000118	7	2	5	0.000128	0.77778
1358	[dlrsmg]ai4m	[fptk | dlrsmg] + c | c[s | fptk] + e4or	149	733	0.000180	0.000108	7	2	5	0.000128	0.77778
1359	oce4y + infixed versions	o[lr]y	379	318	0.000180	0.000100	7	2	5	0.000128	0.77778
1360	[fptk | dlrsmg] + c | c[s | fptk] + e4y	okam variants	2060	76	0.000180	0.000077	7	2	5	0.000128	0.77778
1361	[dlrsmg | fptk] + ai4[dlrsmg]	c | cs + e0-4s	1444	188	0.000180	0.000001	7	2	5	0.000128	0.77778
1362	[yo]pa	ai4[lr]	141	782	0.000180	0.000107	7	2	5	0.000128	0.77778
1363	[yo]d[ao]i0-4[lrm | n]	[yo][fptk | dlrsmg] + c | cs + e4o	880	113	0.000180	0.000114	7	2	5	0.000128	0.77778
1364	cse4o	[tk]e4o	205	206	0.000180	0.000152	7	2	5	0.000128	0.77778
1365	c + e4dy	o[fptk][ao]s	3053	66	0.000180	0.000047	7	2	5	0.000128	0.77778
1366	ai0-4[dlrsmg][dlrsmg]	[yo]ce4y + infixed versions	214	466	0.000180	0.000114	7	2	5	0.000128	0.77778
1367	o[dlrs]ce4y Superset	lc-initial	196	457	0.000180	0.000121	7	2	5	0.000128	0.77778
1368	olk	[yo][fptk]e4o[lr]	557	449	0.000180	0.000015	7	2	5	0.000128	0.77778
1369	okc + e4or	[dlrsmg | fptk] + ai4n	54	1724	0.000180	0.000118	7	2	5	0.000128	0.77778
1370	okc + e4or	dai4n	54	1140	0.000180	0.000139	7	2	5	0.000128	0.77778
1371	[dlrsmg]e0-4y	Single-Letter Words	453	566	0.000180	0.000011	7	2	5	0.000128	0.77778
1372	et[yoa]	ote0-4y	186	731	0.000180	0.000090	7	2	5	0.000128	0.77778
1373	oe0-4s	olk	632	557	0.000180	-0.000053	7	2	5	0.000128	0.77778
1374	olk	[yo][fptk]e4ol	557	322	0.000180	0.000061	7	2	5	0.000128	0.77778
1375	[yo][fp][yoa]	[dlrsmg | fptk]e0-4y	339	735	0.000180	0.000015	7	2	5	0.000128	0.77778
1376	[yo]ke4o[dlrsmg]	okc + e0-4 + y | dy | o[dlrs]y	584	563	0.000180	-0.000037	7	2	5	0.000128	0.77778
1377	[yo]ke4o[dlrsmg]	oy	584	141	0.000180	0.000125	7	2	5	0.000128	0.77778
1378	oe	[yo][fptk]e4o[lr]	463	449	0.000180	0.000043	7	2	5	0.000128	0.77778
1379	o[lr]a	yodai0-4[lr]	469	348	0.000180	0.000072	7	2	5	0.000128	0.77778
1380	[yo]ce4y + s infixes	[tk]c-Initial	172	667	0.000180	0.000104	7	2	5	0.000128	0.77778
1381	cse4y	okce0-4y	578	338	0.000180	0.000051	7	2	5	0.000128	0.77778
1382	ed[yoa]	o[fptk]e4os	5851	106	0.000180	-0.000230	7	2	5	0.000128	0.77778
1383	ko	odai0-4[lrm | n]	179	767	0.000180	0.000089	7	2	5	0.000128	0.77778
1384	ko	od[ao]i0-4[lrm | n]	179	813	0.000180	0.000084	7	2	5	0.000128	0.77778
1385	ko	[yo]dy endings	179	1228	0.000180	0.000035	7	2	5	0.000128	0.77778
1386	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	[dlrsmg | fptk] + ai4[dlrsmg]	186	1444	0.000180	0.000003	7	2	5	0.000128	0.77778
1387	dairol/soral relatives	cse4dy	190	585	0.000180	0.000106	7	2	5	0.000128	0.77778
1388	dairol/soral relatives	c[s | fptk]e4dy	190	622	0.000180	0.000102	7	2	5	0.000128	0.77778
1389	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	od endings + odcey relatives	623	275	0.000180	0.000067	7	2	5	0.000128	0.77778
1390	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	[yo][fptk]e4ol	623	322	0.000180	0.000047	7	2	5	0.000128	0.77778
1391	[yo][fptk][ao][lr]	oro	2688	102	0.000180	-0.000001	7	2	5	0.000128	0.77778
1392	[yo][fptk][ao][lr]	yc + e4o[lr]	2688	68	0.000180	0.000059	7	2	5	0.000128	0.77778
1393	[yo]ke4ol	c | c[fptk] + e4o	223	228	0.000180	0.000146	7	2	5	0.000128	0.77778
1394	o[fptk]c + e0-4y	[yo][fptk | dlrsmg] + c | cs + e4o	753	113	0.000180	0.000124	7	2	5	0.000128	0.77778
1395	[yo]tai0-4n	[dlrsmg] + ai4[lr] + y-suffix	490	1035	0.000180	-0.000155	7	2	5	0.000128	0.77778
1396	[yo][fptk]e4ol	okol variants	322	285	0.000180	0.000119	7	2	5	0.000128	0.77778
1397	oe sans oy + oe4y, oe0-4s	[yo]ce4y + infixed versions	317	466	0.000180	0.000082	7	2	5	0.000128	0.77778
1398	oe sans oy + oe4y, oe0-4s	o[fptk]c + e0-4dy	317	554	0.000180	0.000064	7	2	5	0.000128	0.77778
1399	or[oa]	o[lr]o	340	274	0.000180	0.000118	7	2	5	0.000128	0.77778
1400	[yo]e0-4[fp]e0-4[yo]	[q | fptk | dlrsmg] + oi0-4[lr]	149	1819	0.000180	0.000001	7	2	5	0.000128	0.77778
1401	[yo]e0-4[fp]e0-4[yo]	[dlrsmg | fptk] + ai4n	149	1724	0.000180	0.000010	7	2	5	0.000128	0.77778
1402	olcey relatives (non -edy)	ote0-4y	138	731	0.000180	0.000113	7	2	5	0.000128	0.77778

1403	[yo]te4o	[dlrsmg | fptk] + ai4[dlrsmg | n]	49	3168	0.000180	0.000077	7	2	5	0.000128	0.77778
1404	[dlrsmg] + ai4[lr] + y-suffix	odai0-4r	1035	193	0.000180	0.000048	7	2	5	0.000128	0.77778
1405	[fptk]ai4[dlrsmg | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	411	445	0.000180	0.000059	7	2	5	0.000128	0.77778
1406	o[fptk]c + e0-4 + y | dy | o[dlrs]y	[tk]y	1421	52	0.000180	0.000131	7	2	5	0.000128	0.77778
1407	d[fptk | drs]	y-initial	56	1926	0.000180	0.000109	7	2	5	0.000128	0.77778
1408	c | cs + e0-4[dlrsmg]	[dlrsmg | fptk]e0-4y	281	735	0.000180	0.000044	7	2	5	0.000128	0.77778
1409	[yo]ke4o[dlrsmg]	[yo]te4o[lr]	584	130	0.000180	0.000130	7	2	5	0.000128	0.77778
1410	[yo][fptk]e4o[dlrsmg]	[yo]ke4o	924	89	0.000180	0.000126	7	2	5	0.000128	0.77778
1411	te4o	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	75	2246	0.000180	0.000069	7	2	5	0.000128	0.77778
1412	o[lr][oa]	ek[yo]	735	255	0.000180	0.000056	7	2	5	0.000128	0.77778
1413	[yo][fp][yoa]	oi	339	304	0.000180	0.000112	7	2	5	0.000128	0.77778
1414	od[ao]i0-4n	cte4y	410	186	0.000180	0.000130	7	2	5	0.000128	0.77778
1415	dc-initial	oc[s | fptk]e4y	454	319	0.000180	0.000084	7	2	5	0.000128	0.77778
1416	[ao][lr][ao][lr] Pipe/Flow	[dlrsmg] + c | c[s | fptk] + e4dy	843	327	0.000180	-0.000002	7	2	5	0.000128	0.77778
1417	[ao][lr][ao][lr] Pipe/Flow	kc-initial	843	322	0.000180	0.000001	7	2	5	0.000128	0.77778
1418	c | c[fptk] + e4o	cte4[yo]	228	406	0.000180	0.000119	7	2	5	0.000128	0.77778
1419	[yo]c + e4o Superclass	okc + e0-4 + y | dy | o[dlrs]y	345	563	0.000180	0.000052	7	2	5	0.000128	0.77778
1420	dc-initial	cke4[yo]	454	172	0.000180	0.000128	7	2	5	0.000128	0.77778
1421	o[fptk]ai4n	c | c[fptk] + e4o	1598	228	0.000180	-0.000061	7	2	5	0.000128	0.77778
1422	ol[tk]	[yo][fptk]e4ol	621	322	0.000180	0.000048	7	2	5	0.000128	0.77778
1423	ol[tk]	[yo]ke4o[lr]	621	319	0.000180	0.000049	7	2	5	0.000128	0.77778
1424	c[s | fptk]e4dy	oe	622	463	0.000180	-0.000010	7	2	5	0.000128	0.77778
1425	odai0-4[lr]	[yo]kai0-4n	326	1067	0.000180	-0.000050	7	2	5	0.000128	0.77778
1426	[yo][fptk]e4o[lr]	ai4[lr]	449	782	0.000180	-0.000052	7	2	5	0.000128	0.77778
1427	odai0-4n	cte4y	408	186	0.000180	0.000130	7	2	5	0.000128	0.77778
1428	[yo][fptk][ao][lr]	aro[dlrsmg]	2688	105	0.000180	-0.000006	7	2	5	0.000128	0.77778
1429	[fp]c-Initial	oe0-4[fp]oe0-4[lr]	387	71	0.000180	0.000162	7	2	5	0.000128	0.77778
1430	ce4dy	te4dy	755	91	0.000180	0.000134	7	2	5	0.000128	0.77778
1431	[fptk | dlrsmg] + c | c[s | fptk] + e4o	[tk]e4dy	503	309	0.000180	0.000077	7	2	5	0.000128	0.77778
1432	[yo][fptk]e4or	cse4y	127	578	0.000180	0.000131	7	2	5	0.000128	0.77778
1433	cear verbs	o[fptk | dlrsmg][ao]m	303	280	0.000180	0.000124	7	2	5	0.000128	0.77778
1434	[sr]c-Initial	[yo][fptk]e4o[dlrsmg]	179	924	0.000180	0.000071	7	2	5	0.000128	0.77778
1435	eka	ol[dtk]	191	842	0.000180	0.000074	7	2	5	0.000128	0.77778
1436	oi4[dlrsmg | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	1124	519	0.000180	-0.000205	7	2	5	0.000128	0.77778
1437	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	okor variants	1227	122	0.000180	0.000081	7	2	5	0.000128	0.77778
1438	[dlrsmg]ai4[lr]	g	875	132	0.000180	0.000104	7	2	5	0.000128	0.77778
1439	c[fptk]e4y	ol[dtk]	310	842	0.000180	0.000008	7	2	5	0.000128	0.77778
1440	c[fptk]e4y	o[lr][yoa]	310	1044	0.000180	-0.000034	7	2	5	0.000128	0.77778
1441	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	2246	28	0.000180	0.000138	7	2	5	0.000128	0.77778
1442	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	o[lr][oa]	222	735	0.000180	0.000072	7	2	5	0.000128	0.77778
1443	oda	[yo][fptk | dlrsmg] + c | cs + e4o	847	113	0.000180	0.000117	7	2	5	0.000128	0.77778
1444	okc + e4ol	[dlrsmg | fptk] + ai4[dlrsmg]	55	1444	0.000180	0.000127	7	2	5	0.000128	0.77778
1445	dc-initial	[yo]c[s | fptk]e4y	454	353	0.000180	0.000074	7	2	5	0.000128	0.77778
1446	[fptk | dlrsmg] + c | c[s | fptk] + e4od	edy	68	4981	0.000180	-0.000044	7	2	5	0.000128	0.77778
1447	[yo]ce4y	[tk]c-Initial	113	667	0.000180	0.000130	7	2	5	0.000128	0.77778
1448	okc + e0-4 + y | dy | o[dlrs]y	om	563	203	0.000180	0.000104	7	2	5	0.000128	0.77778
1449	okc + e0-4 + y | dy | o[dlrs]y	[yo]tai0-4n	563	490	0.000180	-0.000002	7	2	5	0.000128	0.77778
1450	kc-initial	ol[tk]	322	621	0.000180	0.000048	7	2	5	0.000128	0.77778
1451	[yo]c[s | fptk]e4y	ote0-4y	353	731	0.000180	0.000010	7	2	5	0.000128	0.77778
1452	otc + e0-4 + y | dy | o[dlrs]y	[yo][fptk]e4od	493	355	0.000180	0.000064	7	2	5	0.000128	0.77778
1453	oke0-4y	l[drs] Prefixes	1314	95	0.000180	0.000097	7	2	5	0.000128	0.77778
1454	yodai0-4[lr]	[yo]kai0-4n	348	1067	0.000180	-0.000065	7	2	5	0.000128	0.77778
1455	y[fptk]-initial	oy + oe4y	1295	207	0.000180	0.000003	7	2	5	0.000128	0.77778
1456	[fptk | dlrsmg] + c | c[s | fptk] + e4o	cean verbs	503	213	0.000180	0.000109	7	2	5	0.000128	0.77778
1457	odai0-4[lrm | n]	[yo][fptk | dlrsmg] + c | cs + e4o	767	113	0.000180	0.000123	7	2	5	0.000128	0.77778
1458	cean verbs	cteo-initial	213	220	0.000180	0.000149	7	2	5	0.000128	0.77778
1459	cean verbs	o[lr][oa]	213	735	0.000180	0.000077	7	2	5	0.000128	0.77778
1460	cse0-4s	[fptk | dlrsmg] + c | c[s | fptk] + e4y	102	2060	0.000180	0.000041	7	2	5	0.000128	0.77778
1461	o-axis of [yo][fptk][ao][lr]	cedai4[lrsm | n]	764	527	0.000180	-0.000086	7	2	5	0.000128	0.77778
1462	yce4y + s infixes	o[fptk]ai4n	82	1598	0.000180	0.000093	7	2	5	0.000128	0.77778
1463	[yo]ce4y + infixed versions	[tk]e4o	466	206	0.000180	0.000116	7	2	5	0.000128	0.77778
1464	[fptk]ai4m	ed[yoa]	20	5851	0.000180	0.000103	7	2	5	0.000128	0.77778
1465	o[fptk]c + e0-4dy	otol variants	554	239	0.000180	0.000092	7	2	5	0.000128	0.77778
1466	a-axis of [yo][fptk][ao][lr]	ceam verbs	1731	61	0.000180	0.000110	7	2	5	0.000128	0.77778
1467	cean nouns	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	43	2246	0.000180	0.000116	7	2	5	0.000128	0.77778
1468	aro[dlrsmg]	o[fptk]c + e0-4 + y | dy | o[dlrs]y	105	1421	0.000180	0.000081	7	2	5	0.000128	0.77778
1469	ce4a	[yo]ce4y + s infixes	1009	172	0.000180	0.000065	7	2	5	0.000128	0.77778
1470	o-axis of [yo][fptk][ao][lr]	odai0-4n	764	408	0.000180	-0.000026	7	2	5	0.000128	0.77778
1471	od endings	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	243	519	0.000180	0.000097	7	2	5	0.000128	0.77778
1472	[yo]d[ao]i0-4n	cse4o	450	205	0.000180	0.000119	7	2	5	0.000128	0.77778
1473	ke4dy	[dlrsmg] + ai4[lr] + y-suffix	217	1035	0.000180	0.000032	7	2	5	0.000128	0.77778
1474	okar variants	o[lr][yo]	493	583	0.000180	-0.000010	7	2	5	0.000128	0.77778
1475	ai4[lr]	[yo][fptk]e4od	782	355	0.000180	-0.000003	7	2	5	0.000128	0.77778
1476	[fp]c-Initial	ol[yoa]	387	614	0.000180	0.000023	7	2	5	0.000128	0.77778
1477	otol variants	oi	239	304	0.000180	0.000132	7	2	5	0.000128	0.77778
1478	oa	c[fptk]e4y	321	310	0.000180	0.000114	7	2	5	0.000128	0.77778
1479	l[fptk] Prefixes	o[lr][oa]	514	735	0.000180	-0.000070	7	2	5	0.000128	0.77778
1480	ai4[dlrsmg | n]	c[fptk]e4o-initial & c[fptk]e4y Superclass	1519	1659	0.000976	-0.000687	38	11	27	0.000694	0.77551
1481	[dlrsmg | fptk] + ai4[dlrsmg]	ai4[dlrsmg]	1444	930	0.002466	0.001580	96	28	68	0.001747	0.77419
1482	oe0-4s	ai4r	632	483	0.000617	0.000415	24	7	17	0.000437	0.77419
1483	cse4o	[fptk | dlrsmg] + c | c[s | fptk] + e4y	205	2060	0.000617	0.000338	24	7	17	0.000437	0.77419
1484	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	[dlrsmg]e0-4y	1227	453	0.000617	0.000250	24	7	17	0.000437	0.77419
1485	[sr]c-Initial	[dlrsmg | fptk] + ai4[dlrsmg | n]	179	3168	0.000617	0.000242	24	7	17	0.000437	0.77419
1486	[dlrsmg | fptk] + ai4[dlrsmg | n]	cse4dy	3168	585	0.001670	0.000447	65	19	46	0.001182	0.77381
1487	so	[fptk | dlrsmg] + c | c[s | fptk] + e4y	378	2060	0.001053	0.000539	41	12	29	0.000745	0.77358
1488	[dlrsmg] + ai4[lr] + y-suffix	ai4[lr]	1035	782	0.001490	0.000956	58	17	41	0.001053	0.77333
1489	o[fptk]c + e0-4y	do	753	383	0.000437	0.000246	17	5	12	0.000308	0.77273
1490	olcey relatives (non -edy)	o[tk]e0-4y	138	2042	0.000437	0.000251	17	5	12	0.000308	0.77273
1491	o[fptk]c + e0-4ol	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	159	1227	0.000437	0.000308	17	5	12	0.000308	0.77273
1492	c[fptk]e4y	o[tk]e0-4y	310	2042	0.000437	0.000019	17	5	12	0.000308	0.77273
1493	ai4[dlrsmg | n]	[yo][fptk]e4od	1519	355	0.000437	0.000081	17	5	12	0.000308	0.77273
1494	[fptk | dlrsmg] + c | c[s | fptk] + e4os	ai4[dlrsmg | n]	158	1519	0.000437	0.000278	17	5	12	0.000308	0.77273
1495	ai4r	[yo]dy endings	483	1228	0.000437	0.000045	17	5	12	0.000308	0.77273
1496	[dlrsmg | fptk] + ai4n	ai4r	1724	483	0.000437	-0.000113	17	5	12	0.000308	0.77273
1497	ai4[dlrsmg | n]	od[ao]i0-4n	1519	410	0.000437	0.000026	17	5	12	0.000308	0.77273
1498	ai4[dlrsmg | n]	odai0-4n	1519	408	0.000437	0.000028	17	5	12	0.000308	0.77273
1499	[dlrsmg | fptk] + ai4[dlrsmg]	c[s | fptk]e4dy	1444	622	0.001130	0.000538	44	13	31	0.000796	0.77193
1500	[dlrsmg]ai4[lr]	ai4[dlrsmg]	875	930	0.001387	0.000850	54	16	38	0.000976	0.77143
1501	ai4[dlrsmg | n]	o[fptk]e4dy	1519	1444	0.000694	-0.000754	27	8	19	0.000488	0.77143

1502	[tk]c-Initial	[dlrsmg | fptk] + ai4n	667	1724	0.000951	0.000192	37	11	26	0.000668	0.77083
1503	[dlrsmg | fptk] + ai4[dlrsmg]	ai4[lr]	1444	782	0.001978	0.001233	77	23	54	0.001387	0.77000
1504	lk-initial	o[fptk]ai4n	454	1598	0.000771	0.000292	30	9	21	0.000540	0.76923
1505	ai4[dlrsmg]	c[fptk]e4o-initial & c[fptk]e4y Superclass	930	1659	0.000514	-0.000505	20	6	14	0.000360	0.76923
1506	so	c[s | fptk]e4y	378	887	0.000514	0.000293	20	6	14	0.000360	0.76923
1507	[yo]te4o[dlrsmg]	ai4n	341	589	0.000514	0.000381	20	6	14	0.000360	0.76923
1508	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	ceal verbs	2246	230	0.000514	0.000173	20	6	14	0.000360	0.76923
1509	[yo][fptk]e4o	[dlrsmg | fptk] + ai4[dlrsmg | n]	88	3168	0.000514	0.000330	20	6	14	0.000360	0.76923
1510	kc-initial	[dlrsmg | fptk] + ai4[dlrsmg]	457	1444	0.000514	0.000078	20	6	14	0.000360	0.76923
1511	ai4[dlrsmg | n]	oy + oe4y	1519	207	0.000257	0.000049	10	3	7	0.000180	0.76923
1512	[yo][fp]ai0-4[rn]	ai4[dlrsmg | n]	111	1519	0.000257	0.000146	10	3	7	0.000180	0.76923
1513	a[lr][ao][lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	391	1227	0.000257	-0.000060	10	3	7	0.000180	0.76923
1514	lk-initial	[dlrsmg] + ai4[lr] + y-suffix	454	1035	0.000257	-0.000053	10	3	7	0.000180	0.76923
1515	ol[tk]	ote0-4y	621	731	0.000257	-0.000043	10	3	7	0.000180	0.76923
1516	otce0-4dy	okce0-4dy	172	188	0.000257	0.000236	10	3	7	0.000180	0.76923
1517	[yo][fp]o	[dlrsmg | fptk] + ai4[dlrsmg | n]	95	3168	0.000257	0.000058	10	3	7	0.000180	0.76923
1518	cse4o	kc-initial	205	322	0.000257	0.000213	10	3	7	0.000180	0.76923
1519	or[oa]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	340	503	0.000257	0.000144	10	3	7	0.000180	0.76923
1520	o[fptk]ody	[yo][fptk][ao][lr]	85	2688	0.000257	0.000106	10	3	7	0.000180	0.76923
1521	[fptk]ai4[dlrsmg | n]	ceckey relatives	411	377	0.000257	0.000155	10	3	7	0.000180	0.76923
1522	[fptk]ai4[dlrsmg | n]	dai4n	411	1140	0.000257	-0.000052	10	3	7	0.000180	0.76923
1523	olcey relatives (non -edy)	oke0-4y	138	1314	0.000257	0.000137	10	3	7	0.000180	0.76923
1524	[yo]e0-4[fp]e0-4[yo]	c + c[s | fptk]e4y	149	1624	0.000257	0.000097	10	3	7	0.000180	0.76923
1525	o[fptk]e4dy	otol variants	1444	239	0.000257	0.000029	10	3	7	0.000180	0.76923
1526	c[s | fptk]e4dy	opc + e0-4 + y | dy | o[dlrs]y	622	302	0.000257	0.000133	10	3	7	0.000180	0.76923
1527	o[fptk]ai4n	ai0-4[dlrsmg][dlrsmg]	1598	214	0.000257	0.000031	10	3	7	0.000180	0.76923
1528	o[lr]a	[yo][fptk]e4o[lr]	469	449	0.000257	0.000118	10	3	7	0.000180	0.76923
1529	[yo]pa	ai4[dlrsmg]	141	930	0.000257	0.000170	10	3	7	0.000180	0.76923
1530	ek[yoa]	otc + e0-4 + y | dy | o[dlrs]y	446	493	0.000257	0.000112	10	3	7	0.000180	0.76923
1531	[dlrsmg]ai4m	dc-initial	149	454	0.000257	0.000212	10	3	7	0.000180	0.76923
1532	oe	o[fptk]c + e0-4y	463	753	0.000257	0.000027	10	3	7	0.000180	0.76923
1533	tc-initial	ote0-4y	345	731	0.000257	0.000090	10	3	7	0.000180	0.76923
1534	c | c[s | fptk] + e4dy	opce0-4dy	1395	159	0.000257	0.000111	10	3	7	0.000180	0.76923
1535	c[s | fptk]e4y	opc + e0-4 + y | dy | o[dlrs]y	887	302	0.000257	0.000080	10	3	7	0.000180	0.76923
1536	[yo]dy endings	otod variants	1228	88	0.000257	0.000186	10	3	7	0.000180	0.76923
1537	od[ao]i0-4[lrm | n]	ceal variants	813	269	0.000257	0.000113	10	3	7	0.000180	0.76923
1538	[yo]d[ao]i0-4r	[fptk | dlrsmg] + c | c[s | fptk] + e4o	228	503	0.000257	0.000181	10	3	7	0.000180	0.76923
1539	cean variants	ed[yoa]	255	5851	0.000257	-0.000728	10	3	7	0.000180	0.76923
1540	[dlrsmg | fptk] + ai4n	oa	1724	321	0.000257	-0.000108	10	3	7	0.000180	0.76923
1541	a-axis of [yo][fptk][ao][lr]	yodai0-4r	1731	205	0.000257	0.000023	10	3	7	0.000180	0.76923
1542	pc-initial	[q | fptk | dlrsmg] + oi0-4[lr]	307	1819	0.000257	-0.000112	10	3	7	0.000180	0.76923
1543	cedaiin variants	[yo]d[ao]i0-4[lrm | n]	189	880	0.000257	0.000147	10	3	7	0.000180	0.76923
1544	okai0-4n	[fptk | dlrsmg] + c | c[s | fptk] + e4o	994	503	0.000257	-0.000073	10	3	7	0.000180	0.76923
1545	cedaiin variants	oda	189	847	0.000257	0.000151	10	3	7	0.000180	0.76923
1546	cedaiin variants	yodai0-4[lrm | n]	189	832	0.000257	0.000153	10	3	7	0.000180	0.76923
1547	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	2246	186	0.000257	-0.000019	10	3	7	0.000180	0.76923
1548	pc-initial	ai4[dlrsmg | n]	307	1519	0.000257	-0.000051	10	3	7	0.000180	0.76923
1549	ai4l	[ao][lr][ao][lr] Pipe/Flow	306	843	0.000257	0.000087	10	3	7	0.000180	0.76923
1550	okce0-4y	[dlrsmg | fptk] + oi4[dlrsmg | n]	338	809	0.000257	0.000076	10	3	7	0.000180	0.76923
1551	[yo][fptk]e4ol	[fptk | dlrsmg] + c | c[s | fptk] + e4o	322	503	0.000257	0.000150	10	3	7	0.000180	0.76923
1552	cear variants	ek[yoa]	365	446	0.000257	0.000149	10	3	7	0.000180	0.76923
1553	c[fptk]e4o-initial & c[fptk]e4y Superclass	ek[yo]	1659	255	0.000257	-0.000022	10	3	7	0.000180	0.76923
1554	[dlrsmg | fptk]e0-4y	[dlrsmg] + c | c[s | fptk] + e4dy	735	327	0.000257	0.000098	10	3	7	0.000180	0.76923
1555	eda	ora	784	241	0.000257	0.000132	10	3	7	0.000180	0.76923
1556	[tk]e4dy	o[fptk]c + e0-4dy	309	554	0.000257	0.000144	10	3	7	0.000180	0.76923
1557	[tk]e4dy	[dlrsmg] + ai4[lr] + y-suffix	309	1035	0.000257	0.000046	10	3	7	0.000180	0.76923
1558	[yo][fp]a	ai4[lr]	200	782	0.000257	0.000154	10	3	7	0.000180	0.76923
1559	[yo][fp]a	[dlrsmg | fptk] + ai4[dlrsmg]	200	1444	0.000257	0.000066	10	3	7	0.000180	0.76923
1560	olcey relative	okal variants	277	544	0.000257	0.000157	10	3	7	0.000180	0.76923
1561	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	okar variants	519	493	0.000257	0.000088	10	3	7	0.000180	0.76923
1562	[fptk | dlrsmg] + c | c[s | fptk] + e4or	otol variants	733	239	0.000257	0.000141	10	3	7	0.000180	0.76923
1563	otal variants	oi4[dlrsmg | n]	333	1124	0.000257	0.000010	10	3	7	0.000180	0.76923
1564	cedai4[lrsm | n]	cse4y	527	578	0.000257	0.000056	10	3	7	0.000180	0.76923
1565	kc-initial	[dlrsmg | fptk] + oi4[dlrsmg | n]	322	809	0.000257	0.000085	10	3	7	0.000180	0.76923
1566	oke0-4y	[dlrsmg] + ai4r	1314	190	0.000257	0.000092	10	3	7	0.000180	0.76923
1567	ce4a	om	1009	203	0.000257	0.000122	10	3	7	0.000180	0.76923
1568	[yo]kai0-4n	[fptk | dlrsmg] + c | c[s | fptk] + e4o	1067	503	0.000257	-0.000097	10	3	7	0.000180	0.76923
1569	od[ao]i0-4r	[fptk | dlrsmg] + c | c[s | fptk] + e4o	215	503	0.000257	0.000186	10	3	7	0.000180	0.76923
1570	o[tk]e0-4y	l[fptk] Prefixes	2042	514	0.001619	0.000926	63	19	44	0.001130	0.76829
1571	ai4[lr]	edy	782	4981	0.001439	-0.001132	56	17	39	0.001002	0.76712
1572	[dlrsmg | fptk] + ai4[dlrsmg | n]	c[s | fptk]e4dy	3168	622	0.001773	0.000472	69	21	48	0.001233	0.76667
1573	ceal variants	c + e4dy	269	3053	0.000591	0.000049	23	7	16	0.000411	0.76667
1574	ol[yo]	y[fptk]-initial	388	1295	0.000591	0.000259	23	7	16	0.000411	0.76667
1575	[dlrsmg | fptk] + ai4n	cse4dy	1724	585	0.000591	-0.000075	23	7	16	0.000411	0.76667
1576	oke0-4y	l[fptk] Prefixes	1314	514	0.001259	0.000813	49	15	34	0.000873	0.76563
1577	o[lr][yo]	y-initial	583	1926	0.001259	0.000518	49	15	34	0.000873	0.76563
1578	c + c[s | fptk]e4y	[fptk]ai4[lr]	1624	190	0.000668	0.000464	26	8	18	0.000462	0.76471
1579	lc-initial	a-axis of [yo][fptk][ao][lr]	457	1731	0.000668	0.000146	26	8	18	0.000462	0.76471
1580	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	oc[s | fptk]e4y	445	319	0.000334	0.000240	13	4	9	0.000231	0.76471
1581	o[fptk]c + e0-4or	[fptk | dlrsmg] + c | c[s | fptk] + e4or	135	733	0.000334	0.000269	13	4	9	0.000231	0.76471
1582	[yo]c[fptk]e4y	ol[dtk]	294	842	0.000334	0.000171	13	4	9	0.000231	0.76471
1583	o[fptk]c + e0-4 + y | dy | o[dlrs]y	[fptk]e0-4y	1421	161	0.000334	0.000183	13	4	9	0.000231	0.76471
1584	[dlrsmg | fptk] + ai4[dlrsmg | n]	cse0-4s	3168	102	0.000334	0.000121	13	4	9	0.000231	0.76471
1585	odai0-4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	326	503	0.000334	0.000226	13	4	9	0.000231	0.76471
1586	c | c[fptk] + e4o	ai4[dlrsmg | n]	228	1519	0.000334	0.000105	13	4	9	0.000231	0.76471
1587	oc[s | fptk]e4y	o-axis of [yo][fptk][ao][lr]	319	764	0.000334	0.000173	13	4	9	0.000231	0.76471
1588	o[fptk]ai4n	et[yo]	1598	115	0.000334	0.000213	13	4	9	0.000231	0.76471
1589	[yo]dy endings	ocke4y	1228	162	0.000334	0.000203	13	4	9	0.000231	0.76471
1590	oc[fptk]e4y	ol[dtk]	289	842	0.000334	0.000173	13	4	9	0.000231	0.76471
1591	oy	edy	141	4981	0.000334	-0.000130	13	4	9	0.000231	0.76471
1592	yodai0-4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	348	503	0.000334	0.000218	13	4	9	0.000231	0.76471
1593	[fptk | dlrsmg] + c | c[s | fptk] + e4o	ke4o	503	137	0.000334	0.000289	13	4	9	0.000231	0.76471
1594	ce4y	ke4dy	737	217	0.000334	0.000228	13	4	9	0.000231	0.76471
1595	ce4y	tc-initial	737	345	0.000334	0.000166	13	4	9	0.000231	0.76471
1596	[dlrsmg]ai4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	875	445	0.000334	0.000077	13	4	9	0.000231	0.76471
1597	c[fptk]e4y	oke0-4y	310	1314	0.000334	0.000065	13	4	9	0.000231	0.76471
1598	[yo][fptk]e4ol	[q | fptk | dlrsmg] + oi0-4[lr]	322	1819	0.000334	-0.000053	13	4	9	0.000231	0.76471
1599	o[lr][yo]	otc + e0-4 + y | dy | o[dlrs]y	583	493	0.000334	0.000144	13	4	9	0.000231	0.76471
1600	cean variants	y[fptk]-initial	255	1295	0.000334	0.000116	13	4	9	0.000231	0.76471

1601	[yo][fp]a	ai4[dlrsmg]	200	930	0.000334	0.000211	13	4	9	0.000231	0.76471
1602	ai4l	ed[yoa]	306	5851	0.001233	0.000051	48	15	33	0.000848	0.76190
1603	o[fptk]e4dy	[dlrsmg | fptk] + oi4[dlrsmg | n]	1444	809	0.000822	0.000051	32	10	22	0.000565	0.76190
1604	ol[yo]	y-initial	388	1926	0.000822	0.000329	32	10	22	0.000565	0.76190
1605	c + c[s | fptk]e4y	oce4y + infixed versions	1624	379	0.000411	0.000005	16	5	11	0.000283	0.76190
1606	od[ao]i0-4[lrm | n]	cse4o	813	205	0.000411	0.000301	16	5	11	0.000283	0.76190
1607	ai4[lr]	c | c[s | fptk] + e4dy	782	1395	0.000411	-0.000309	16	5	11	0.000283	0.76190
1608	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	cte4y	1227	186	0.000411	0.000260	16	5	11	0.000283	0.76190
1609	[tk]c-Initial	ol[tk]	667	621	0.000411	0.000138	16	5	11	0.000283	0.76190
1610	ai4[dlrsmg]	ote0-4y	930	731	0.000411	-0.000038	16	5	11	0.000283	0.76190
1611	[dlrsmg | fptk] + ai4[dlrsmg | n]	ola	3168	228	0.000411	-0.000066	16	5	11	0.000283	0.76190
1612	cedar variants	c | c[s | fptk] + e4dy	176	1395	0.000411	0.000249	16	5	11	0.000283	0.76190
1613	[fptk] + c | c[s | fptk] + e4dy	a-axis of [yo][fptk][ao][lr]	196	1731	0.000411	0.000187	16	5	11	0.000283	0.76190
1614	[yo][fptk]e4o[lr]	[q | fptk | dlrsmg] + oi0-4[lr]	449	1819	0.000411	-0.000128	16	5	11	0.000283	0.76190
1615	ea	cteo-initial	1195	220	0.000411	0.000238	16	5	11	0.000283	0.76190
1616	cectey relatives	o[fptk]e4dy	197	1444	0.000411	0.000223	16	5	11	0.000283	0.76190
1617	oke4dy	[yo]kai0-4n	933	1067	0.000976	0.000319	38	12	26	0.000668	0.76000
1618	okal variants	ce4dy	544	755	0.000976	0.000705	38	12	26	0.000668	0.76000
1619	[yo]ke4o[dlrsmg]	o[fptk]ai4n	584	1598	0.000488	-0.000128	19	6	13	0.000334	0.76000
1620	[fp]c-Initial	o[tk]e0-4y	387	2042	0.000488	-0.000033	19	6	13	0.000334	0.76000
1621	[dlrsmg | fptk] + ai4n	c | cs + e0-4[dlrsmg]	1724	281	0.000488	0.000168	19	6	13	0.000334	0.76000
1622	cse4dy	oke0-4y	585	1314	0.001053	0.000546	41	13	28	0.000719	0.75926
1623	oi4[dlrsmg | n]	ai4n	1124	589	0.002261	0.001824	88	28	60	0.001541	0.75862
1624	l[fptk] Prefixes	[yo]kai0-4n	514	1067	0.000565	0.000203	22	7	15	0.000385	0.75862
1625	oa	ai4[lr]	321	782	0.000565	0.000400	22	7	15	0.000385	0.75862
1626	[yo][fptk]e4o[dlrsmg]	[dlrsmg] + ai4[lr] + y-suffix	924	1035	0.000565	-0.000066	22	7	15	0.000385	0.75862
1627	okar variants	ai4r	493	483	0.000565	0.000408	22	7	15	0.000385	0.75862
1628	[dlrsmg] + ai4[lr] + y-suffix	ai4[dlrsmg]	1035	930	0.001773	0.001137	69	22	47	0.001207	0.75824
1629	okc + e0-4 + y | dy | o[dlrs]y	[yo][fptk][ao][lr]	563	2688	0.001285	0.000286	50	16	34	0.000873	0.75758
1630	[dlrsmg | fptk] + ai4n	c[s | fptk]e4dy	1724	622	0.000642	-0.000065	25	8	17	0.000437	0.75758
1631	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[tk]e4dy	2060	309	0.000642	0.000222	25	8	17	0.000437	0.75758
1632	o[fptk]e4dy	o-axis of [yo][fptk][ao][lr]	1444	764	0.000642	-0.000086	25	8	17	0.000437	0.75758
1633	o[fptk]ai4n	otar variants	1598	345	0.000796	0.000433	31	10	21	0.000540	0.75610
1634	lk-initial	c | c[s | fptk] + e4dy	454	1395	0.000796	0.000378	31	10	21	0.000540	0.75610
1635	c[s | fptk]e4dy	o[fptk]c + e0-4 + y | dy | o[dlrs]y	622	1421	0.000873	0.000290	34	11	23	0.000591	0.75556
1636	okar variants	ai4[dlrsmg]	493	930	0.000951	0.000648	37	12	25	0.000642	0.75510
1637	c[s | fptk]e4dy	oke0-4y	622	1314	0.001105	0.000565	43	14	29	0.000745	0.75439
1638	oke0-4y	lk-initial	1314	454	0.001182	0.000788	46	15	31	0.000796	0.75410
1639	[dlrsmg | fptk] + ai4[dlrsmg | n]	ai4n	3168	589	0.001490	0.000258	58	19	39	0.001002	0.75325
1640	oi4[dlrsmg | n]	c + e4dy	1124	3053	0.002800	0.000535	109	36	73	0.001875	0.75172
1641	o[tk]e0-4y	lk-initial	2042	454	0.001464	0.000852	57	19	38	0.000976	0.75000
1642	ai4[dlrsmg]	ai4l	930	306	0.001002	0.000814	39	13	26	0.000668	0.75000
1643	l[fptk] Prefixes	c | c[s | fptk] + e4dy	514	1395	0.000848	0.000375	33	11	22	0.000565	0.75000
1644	ce4y	[dlrsmg | fptk]e0-4y	737	735	0.000771	0.000413	30	10	20	0.000514	0.75000
1645	c | cs + e0-4s	ai4[dlrsmg | n]	188	1519	0.000694	0.000505	27	9	18	0.000462	0.75000
1646	c | c[s | fptk] + e4dy	okc + e0-4 + y | dy | o[dlrs]y	1395	563	0.000694	0.000175	27	9	18	0.000462	0.75000
1647	[yo]c[fptk]e4y	o[tk]e0-4y	294	2042	0.000540	0.000143	21	7	14	0.000360	0.75000
1648	oc[fptk]e4y	o[tk]e0-4y	289	2042	0.000540	0.000150	21	7	14	0.000360	0.75000
1649	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[yo]te4o[dlrsmg]	2060	341	0.000540	0.000076	21	7	14	0.000360	0.75000
1650	[fptk | dlrsmg] + c | c[s | fptk] + e4y	ke4dy	2060	217	0.000540	0.000244	21	7	14	0.000360	0.75000
1651	[yo][fptk]e4o[dlrsmg]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	924	503	0.000540	0.000233	21	7	14	0.000360	0.75000
1652	otar variants	c | c[s | fptk] + e4dy	345	1395	0.000540	0.000222	21	7	14	0.000360	0.75000
1653	lk-initial	[yo]kai0-4n	454	1067	0.000540	0.000220	21	7	14	0.000360	0.75000
1654	do	oi4[dlrsmg | n]	383	1124	0.000462	0.000178	18	6	12	0.000308	0.75000
1655	so	oi4[dlrsmg | n]	378	1124	0.000462	0.000182	18	6	12	0.000308	0.75000
1656	ai4[dlrsmg]	c | c[s | fptk] + e4dy	930	1395	0.000462	-0.000394	18	6	12	0.000308	0.75000
1657	otc + e0-4 + y | dy | o[dlrs]y	ote0-4y	493	731	0.000462	0.000225	18	6	12	0.000308	0.75000
1658	ek[yoa]	o-axis of [yo][fptk][ao][lr]	446	764	0.000462	0.000238	18	6	12	0.000308	0.75000
1659	ed[yoa]	[yo]po	5851	70	0.000462	0.000192	18	6	12	0.000308	0.75000
1660	[q | fptk | dlrsmg] + oi0-4[lr]	ce4ai4n	1819	271	0.000462	0.000137	18	6	12	0.000308	0.75000
1661	[q | fptk | dlrsmg] + oi0-4[lr]	or[yo]	1819	200	0.000385	0.000145	15	5	10	0.000257	0.75000
1662	tc-initial	[fptk | dlrsmg] + c | c[s | fptk] + e4or	345	733	0.000385	0.000218	15	5	10	0.000257	0.75000
1663	ocke4y	o[tk]e0-4y	162	2042	0.000385	0.000167	15	5	10	0.000257	0.75000
1664	o[lr][oa]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	735	503	0.000385	0.000141	15	5	10	0.000257	0.75000
1665	edy	[yo]po	4981	70	0.000385	0.000155	15	5	10	0.000257	0.75000
1666	[yo]c[fptk]e4y	oke0-4y	294	1314	0.000385	0.000130	15	5	10	0.000257	0.75000
1667	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	[dlrsmg | fptk] + ai4[dlrsmg | n]	230	3168	0.000385	-0.000096	15	5	10	0.000257	0.75000
1668	pc-initial	o[tk]e0-4y	307	2042	0.000385	-0.000028	15	5	10	0.000257	0.75000
1669	oc[fptk]e4y	oke0-4y	289	1314	0.000385	0.000135	15	5	10	0.000257	0.75000
1670	[yo]c + e4o Superclass	[fptk | dlrsmg] + c | c[s | fptk] + e4or	345	733	0.000385	0.000218	15	5	10	0.000257	0.75000
1671	[yo]c + e4o Superclass	[yo][fptk]e4o[dlrsmg]	345	924	0.000385	0.000175	15	5	10	0.000257	0.75000
1672	otc + e0-4 + y | dy | o[dlrs]y	okce0-4y	493	338	0.000385	0.000275	15	5	10	0.000257	0.75000
1673	[tk]c-Initial	[dlrsmg | fptk] + oi4[dlrsmg | n]	667	809	0.000385	0.000029	15	5	10	0.000257	0.75000
1674	[dlrsmg]ai4[lr]	a[lr][ao][lr]	875	391	0.000385	0.000160	15	5	10	0.000257	0.75000
1675	o[fptk]e4dy	do	1444	383	0.000385	0.000020	15	5	10	0.000257	0.75000
1676	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	ea	519	1195	0.000385	-0.000024	15	5	10	0.000257	0.75000
1677	oly	y[fptk]-initial	222	1295	0.000385	0.000196	15	5	10	0.000257	0.75000
1678	otal variants	[q | fptk | dlrsmg] + oi0-4[lr]	333	1819	0.000385	-0.000014	15	5	10	0.000257	0.75000
1679	ce4a	cteo-initial	1009	220	0.000385	0.000239	15	5	10	0.000257	0.75000
1680	lc-initial	[dlrsmg] + ai4[lr] + y-suffix	457	1035	0.000385	0.000073	15	5	10	0.000257	0.75000
1681	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	oc[fptk]e4y	445	289	0.000308	0.000223	12	4	8	0.000206	0.75000
1682	sai4n	c | c[s | fptk] + e4dy	258	1395	0.000308	0.000071	12	4	8	0.000206	0.75000
1683	c[fptk]c polygraph	[dlrsmg | fptk] + ai4[dlrsmg | n]	99	3168	0.000308	0.000101	12	4	8	0.000206	0.75000
1684	o[fptk]c + e0-4dy	okal variants	554	544	0.000308	0.000109	12	4	8	0.000206	0.75000
1685	cedai4[lrsm | n]	c[s | fptk]e4y	527	887	0.000308	0.000000	12	4	8	0.000206	0.75000
1686	ai4[dlrsmg]	a[lr][fptk]	930	83	0.000308	0.000257	12	4	8	0.000206	0.75000
1687	eda	ceckey relatives	784	377	0.000308	0.000113	12	4	8	0.000206	0.75000
1688	ai4[dlrsmg | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	1519	519	0.000308	-0.000212	12	4	8	0.000206	0.75000
1689	ai4[dlrsmg | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	1519	445	0.000308	-0.000138	12	4	8	0.000206	0.75000
1690	[fp]c-Initial	o[fptk]e4dy	387	1444	0.000308	-0.000061	12	4	8	0.000206	0.75000
1691	l[fptk] Prefixes	ote4dy	514	509	0.000308	0.000136	12	4	8	0.000206	0.75000
1692	oda	[yo][fp][yoa]	847	339	0.000308	0.000119	12	4	8	0.000206	0.75000
1693	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	[fptk]ai4[lr]	1227	190	0.000308	0.000154	12	4	8	0.000206	0.75000
1694	cte4[yo]	[q | fptk | dlrsmg] + oi0-4[lr]	406	1819	0.000308	-0.000179	12	4	8	0.000206	0.75000
1695	ce4dy	okc + e0-4 + y | dy | o[dlrs]y	755	563	0.000308	0.000028	12	4	8	0.000206	0.75000
1696	ai4r	c[fptk]e4o-initial & c[fptk]e4y Superclass	483	1659	0.000308	-0.000221	12	4	8	0.000206	0.75000
1697	[fptk | dlrsmg] + c | c[s | fptk] + e4o	[tk]e4o	503	206	0.000308	0.000240	12	4	8	0.000206	0.75000
1698	ote0-4y	lk-initial	731	454	0.000308	0.000089	12	4	8	0.000206	0.75000
1699	[yo]ke4o[lr]	[q | fptk | dlrsmg] + oi0-4[lr]	319	1819	0.000308	-0.000075	12	4	8	0.000206	0.75000
1700	c | c[s | fptk] + e4 + c[s | fptk]e4y	o-axis of [yo][fptk][ao][lr]	623	764	0.000308	-0.000006	12	4	8	0.000206	0.75000

	Superset										
1701	ce0-4s	[fptk | dlrsmg] + c | c[s | fptk] + e4y	165	2060	0.000308	0.000084	12	4	8	0.000206	0.75000
1702	ol[dtk]	dc-initial	842	454	0.000308	0.000056	12	4	8	0.000206	0.75000
1703	or[oa]	[dlrsmg | fptk] + ai4n	340	1724	0.000308	-0.000079	12	4	8	0.000206	0.75000
1704	o[fptk]ai4n	ykai0-4n	1598	73	0.000308	0.000231	12	4	8	0.000206	0.75000
1705	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	ai4[lr]	230	782	0.000308	0.000190	12	4	8	0.000206	0.75000
1706	cedal variants	o[fptk]e4dy	127	1444	0.000308	0.000187	12	4	8	0.000206	0.75000
1707	[yo]c[fptk]e4y	o-axis of [yo][fptk][ao][lr]	294	764	0.000308	0.000160	12	4	8	0.000206	0.75000
1708	[yo]pa	ai4[dlrsmg | n]	141	1519	0.000308	0.000167	12	4	8	0.000206	0.75000
1709	[yo]d[ao]i0-4[lrm | n]	[yo][fp][yoa]	880	339	0.000308	0.000111	12	4	8	0.000206	0.75000
1710	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	a-axis of [yo][fptk][ao][lr]	186	1731	0.000308	0.000096	12	4	8	0.000206	0.75000
1711	[fptk | dlrsmg] + c | c[s | fptk] + e4y	oc[s | fptk]e4y	2060	319	0.000308	-0.000125	12	4	8	0.000206	0.75000
1712	oc[fptk]e4y	o-axis of [yo][fptk][ao][lr]	289	764	0.000308	0.000163	12	4	8	0.000206	0.75000
1713	c | c[s | fptk] + e4dy	olcey relative	1395	277	0.000308	0.000053	12	4	8	0.000206	0.75000
1714	oe	okai0-4n	463	994	0.000308	0.000005	12	4	8	0.000206	0.75000
1715	cectey relatives	ote0-4y	197	731	0.000308	0.000213	12	4	8	0.000206	0.75000
1716	[yo]ke4o[dlrsmg]	[yo]kai0-4n	584	1067	0.000308	-0.000103	12	4	8	0.000206	0.75000
1717	[yo]ke4o[dlrsmg]	okai0-4n	584	994	0.000308	-0.000075	12	4	8	0.000206	0.75000
1718	ola	[fptk | dlrsmg] + c | c[s | fptk] + e4y	228	2060	0.000308	-0.000002	12	4	8	0.000206	0.75000
1719	okce0-4dy	o[fptk]ai4n	188	1598	0.000308	0.000110	12	4	8	0.000206	0.75000
1720	et[yo]	o[tk]e0-4y	115	2042	0.000308	0.000153	12	4	8	0.000206	0.75000
1721	c[s | fptk]e4y	ol[yo]	887	388	0.000308	0.000081	12	4	8	0.000206	0.75000
1722	do	oda	383	847	0.000308	0.000094	12	4	8	0.000206	0.75000
1723	do	yodai0-4[lrm | n]	383	832	0.000308	0.000098	12	4	8	0.000206	0.75000
1724	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	[yo]c[fptk]e4y	445	294	0.000308	0.000222	12	4	8	0.000206	0.75000
1725	o[fptk]c + e0-4dy	[yo][fp][yoa]	554	339	0.000308	0.000184	12	4	8	0.000206	0.75000
1726	oce4y + infixed versions	okal variants	379	544	0.000308	0.000172	12	4	8	0.000206	0.75000
1727	ece Noun	[yo][fptk][ao][lr]	142	2688	0.000308	0.000056	12	4	8	0.000206	0.75000
1728	ol[yoa]	ol[tk]	614	621	0.000308	0.000057	12	4	8	0.000206	0.75000
1729	ol[yoa]	o[fptk]c + e0-4y	614	753	0.000231	-0.000074	9	3	6	0.000154	0.75000
1730	ol[yoa]	otc + e0-4 + y | dy | o[dlrs]y	614	493	0.000231	0.000031	9	3	6	0.000154	0.75000
1731	a-axis of [yo][fptk][ao][lr]	odai0-4r	1731	193	0.000231	0.000011	9	3	6	0.000154	0.75000
1732	ea	cectey relatives	1195	197	0.000231	0.000076	9	3	6	0.000154	0.75000
1733	ea	o[fptk]c + e0-4or	1195	135	0.000231	0.000125	9	3	6	0.000154	0.75000
1734	tc-initial	ol[tk]	345	621	0.000231	0.000090	9	3	6	0.000154	0.75000
1735	yodai0-4[lrm | n]	cte4y	832	186	0.000231	0.000129	9	3	6	0.000154	0.75000
1736	[dlrsmg] + c | c[s | fptk] + e4dy	okal variants	327	544	0.000231	0.000114	9	3	6	0.000154	0.75000
1737	dai4n	ai4r	1140	483	0.000231	-0.000132	9	3	6	0.000154	0.75000
1738	yodai0-4l	c + e4dy	143	3053	0.000231	-0.000057	9	3	6	0.000154	0.75000
1739	o[fptk] endings	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	79	2246	0.000231	0.000114	9	3	6	0.000154	0.75000
1740	yodai0-4n	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	448	623	0.000231	0.000047	9	3	6	0.000154	0.75000
1741	[yo]dy endings	o[fptk]e4os	1228	106	0.000231	0.000145	9	3	6	0.000154	0.75000
1742	[dlrsmg] + ai4[lr] + y-suffix	dairol/soral relatives	1035	190	0.000231	0.000101	9	3	6	0.000154	0.75000
1743	or[yoa]	ol[yo]	438	388	0.000231	0.000119	9	3	6	0.000154	0.75000
1744	or[yoa]	ek[yoa]	438	446	0.000231	0.000102	9	3	6	0.000154	0.75000
1745	or[yoa]	cse4y	438	578	0.000231	0.000064	9	3	6	0.000154	0.75000
1746	ol[yoa]	[tk]c-Initial	614	667	0.000231	-0.000039	9	3	6	0.000154	0.75000
1747	oe	okc + e0-4 + y | dy | o[dlrs]y	463	563	0.000231	0.000059	9	3	6	0.000154	0.75000
1748	tc-initial	olk	345	557	0.000231	0.000104	9	3	6	0.000154	0.75000
1749	edy	o[fptk][ao]s	4981	66	0.000231	0.000014	9	3	6	0.000154	0.75000
1750	otor variants	[fptk | dlrsmg] + c | c[s | fptk] + e4y	113	2060	0.000231	0.000078	9	3	6	0.000154	0.75000
1751	okor variants	c | c[s | fptk] + e4dy	122	1395	0.000231	0.000119	9	3	6	0.000154	0.75000
1752	o[fptk]c + e0-4 + y | dy | o[dlrs]y	[dlrsmg] + ai4r	1421	190	0.000231	0.000053	9	3	6	0.000154	0.75000
1753	om	c + e4dy	203	3053	0.000231	-0.000178	9	3	6	0.000154	0.75000
1754	edy	opol variants	4981	25	0.000231	0.000149	9	3	6	0.000154	0.75000
1755	[yo]ke4o	[fptk | dlrsmg] + c | c[s | fptk] + e4y	89	2060	0.000231	0.000110	9	3	6	0.000154	0.75000
1756	oly	[dlrsmg | fptk] + oi4[dlrsmg | n]	222	809	0.000231	0.000113	9	3	6	0.000154	0.75000
1757	[yo][fptk]e4o[dlrsmg]	otai0-4n	924	430	0.000231	-0.000031	9	3	6	0.000154	0.75000
1758	[yo]ke4o[dlrsmg]	oi4[dlrsmg | n]	584	1124	0.000231	-0.000202	9	3	6	0.000154	0.75000
1759	cte4[yo]	otol variants	406	239	0.000231	0.000167	9	3	6	0.000154	0.75000
1760	cte4[yo]	ote0-4y	406	731	0.000231	0.000035	9	3	6	0.000154	0.75000
1761	l-prefix + [fptk]e0-4y	o[fptk]ai4n	80	1598	0.000231	0.000147	9	3	6	0.000154	0.75000
1762	dairol/soral relatives	o[lr][yoa]	190	1044	0.000231	0.000100	9	3	6	0.000154	0.75000
1763	[dlrsmg | fptk] + ai4[dlrsmg | n]	olai0-4n	3168	126	0.000231	-0.000032	9	3	6	0.000154	0.75000
1764	o[lr]y	okal variants	318	544	0.000231	0.000117	9	3	6	0.000154	0.75000
1765	od[ao]i0-4[lr]	oi4[dlrsmg | n]	369	1124	0.000231	-0.000043	9	3	6	0.000154	0.75000
1766	c[s | fptk]e4dy	c[s | fptk]e4y	622	887	0.000231	-0.000133	9	3	6	0.000154	0.75000
1767	o[lr][yoa]	otal variants	1044	333	0.000231	0.000002	9	3	6	0.000154	0.75000
1768	od endings + odcey relatives	yodai0-4[lrm | n]	275	832	0.000231	0.000080	9	3	6	0.000154	0.75000
1769	od endings + odcey relatives	odai0-4[lrm | n]	275	767	0.000231	0.000092	9	3	6	0.000154	0.75000
1770	or[oa]	cse4y	340	578	0.000231	0.000102	9	3	6	0.000154	0.75000
1771	[yo][fptk]e4o[lr]	ocke4y	449	162	0.000231	0.000183	9	3	6	0.000154	0.75000
1772	[yo]d[ao]i0-4[lrm | n]	ceal verbs	880	230	0.000231	0.000098	9	3	6	0.000154	0.75000
1773	[yo]ke4ol	[q | fptk | dlrsmg] + oi0-4[lr]	223	1819	0.000231	-0.000037	9	3	6	0.000154	0.75000
1774	[yo]tai0-4n	om + o[fptk | dlrsmg]am	490	454	0.000231	0.000084	9	3	6	0.000154	0.75000
1775	[dlrsmg] + ai4[lr] + y-suffix	or[oa]	1035	340	0.000231	-0.000001	9	3	6	0.000154	0.75000
1776	[fptk | dlrsmg] + c | c[s | fptk] + e4y	o[fptk | dlrsmg][ao]m	2060	280	0.000231	-0.000149	9	3	6	0.000154	0.75000
1777	[fptk | dlrsmg] + c | c[s | fptk] + e4y	o[fptk]eda[lrsm | n]	2060	184	0.000231	-0.000019	9	3	6	0.000154	0.75000
1778	[yo][fptk][ao][lr]	g	2688	132	0.000231	-0.000003	9	3	6	0.000154	0.75000
1779	[yo]dy endings	c[fp]e4y + added c-sequences & cfeo-Initial	1228	84	0.000231	0.000163	9	3	6	0.000154	0.75000
1780	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	ai4[lr]	186	782	0.000231	0.000135	9	3	6	0.000154	0.75000
1781	[yo]d[ao]i0-4[lrm | n]	cte4y	880	186	0.000231	0.000123	9	3	6	0.000154	0.75000
1782	c[s | fptk]e4y	[yo]te4o[lr]	887	130	0.000231	0.000155	9	3	6	0.000154	0.75000
1783	[yo]ke4o[lr]	[yo]te4o[dlrsmg]	319	341	0.000231	0.000159	9	3	6	0.000154	0.75000
1784	dc-initial	[yo][fptk]e4o[dlrsmg]	454	924	0.000231	-0.000046	9	3	6	0.000154	0.75000
1785	okc + e4ol	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	55	2246	0.000231	0.000150	9	3	6	0.000154	0.75000
1786	pc-initial	ce4a	307	1009	0.000231	0.000027	9	3	6	0.000154	0.75000
1787	pc-initial	eda	307	784	0.000231	0.000072	9	3	6	0.000154	0.75000
1788	ce4y	ko	737	179	0.000231	0.000144	9	3	6	0.000154	0.75000
1789	ke4o	c + e4dy	137	3053	0.000231	-0.000045	9	3	6	0.000154	0.75000
1790	[tk]c-Initial	l[fptk] Prefixes	667	514	0.000231	0.000005	9	3	6	0.000154	0.75000
1791	otc + e0-4 + y | dy | o[dlrs]y	[yo][fptk]e4o[dlrsmg]	493	924	0.000231	-0.000069	9	3	6	0.000154	0.75000
1792	oke0-4y	[sr]c-Initial	1314	179	0.000231	0.000076	9	3	6	0.000154	0.75000
1793	cteo-initial	o[lr][yoa]	220	1044	0.000231	0.000080	9	3	6	0.000154	0.75000
1794	[tk]e4o	[dlrsmg | fptk] + ai4n	206	1724	0.000231	-0.000003	9	3	6	0.000154	0.75000
1795	l[fptk] Prefixes	ai4r	514	483	0.000231	0.000067	9	3	6	0.000154	0.75000
1796	oi4[dlrsmg | n]	cean variants	1124	255	0.000231	0.000042	9	3	6	0.000154	0.75000
1797	oi4[dlrsmg | n]	cean verbs	1124	213	0.000231	0.000073	9	3	6	0.000154	0.75000
1798	cke4[yo]	[yo][fptk]e4o[dlrsmg]	172	924	0.000231	0.000126	9	3	6	0.000154	0.75000
1799	c[fptk]e4o-initial & c[fptk]e4y Superclass	o[fptk]c + e4ody	1659	75	0.000231	0.000149	9	3	6	0.000154	0.75000
1800	y[fptk]-initial	olcey relative	1295	277	0.000231	-0.000006	9	3	6	0.000154	0.75000

1801	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	oc[fpt]e4y	519	132	0.000231	0.000186	9	3	6	0.000154	0.75000
1802	[yo][fptk]e4ol	[fptk | dlrsmg] + c | c[s | fptk] + e4or	322	733	0.000231	0.000075	9	3	6	0.000154	0.75000
1803	ce4dy	ceckey relatives	755	377	0.000231	0.000043	9	3	6	0.000154	0.75000
1804	ce4dy	c + c[s | fptk]e4y	755	1624	0.000231	-0.000578	9	3	6	0.000154	0.75000
1805	[yo]tai0-4n	cectey relatives	490	197	0.000231	0.000168	9	3	6	0.000154	0.75000
1806	okce0-4y	o[fptk]c + e0-4dy	338	554	0.000231	0.000108	9	3	6	0.000154	0.75000
1807	[tk]c-Initial	otai0-4n	667	430	0.000231	0.000042	9	3	6	0.000154	0.75000
1808	ce4a	ceam verbs	1009	61	0.000231	0.000191	9	3	6	0.000154	0.75000
1809	l[drs] Prefixes	y-initial	95	1926	0.000231	0.000110	9	3	6	0.000154	0.75000
1810	otar variants	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	345	519	0.000231	0.000113	9	3	6	0.000154	0.75000
1811	odai0-4[lrm | n]	ceal variants	767	269	0.000231	0.000095	9	3	6	0.000154	0.75000
1812	ce4o	ai4[dlrsmg | n]	160	1519	0.000231	0.000071	9	3	6	0.000154	0.75000
1813	o[fptk | dlrsmg][ao]m	[dlrsmg | fptk] + oi4[dlrsmg | n]	280	809	0.000231	0.000082	9	3	6	0.000154	0.75000
1814	[yo]d[ao]i0-4n	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	450	623	0.000231	0.000046	9	3	6	0.000154	0.75000
1815	[tk]e4dy	[dlrsmg]ai4[lr]	309	875	0.000231	0.000053	9	3	6	0.000154	0.75000
1816	ai4[dlrsmg | n]	[tk]e4dy	1519	309	0.000231	-0.000079	9	3	6	0.000154	0.75000
1817	o-axis of [yo][fptk][ao][lr]	[yo]d[ao]i0-4n	764	450	0.000231	0.000004	9	3	6	0.000154	0.75000
1818	o-axis of [yo][fptk][ao][lr]	yodai0-4n	764	448	0.000231	0.000005	9	3	6	0.000154	0.75000
1819	cean variants	cteo-initial	255	220	0.000231	0.000194	9	3	6	0.000154	0.75000
1820	[fptk | dlrsmg] + c | c[s | fptk] + e4or	ol[ds]	733	315	0.000231	0.000079	9	3	6	0.000154	0.75000
1821	Detached Class Modifiers	o[tk]e0-4y	95	2042	0.000231	0.000103	9	3	6	0.000154	0.75000
1822	otai0-4n	cectey relatives	430	197	0.000231	0.000175	9	3	6	0.000154	0.75000
1823	ce4a	o[fptk]c + e0-4or	1009	135	0.000231	0.000141	9	3	6	0.000154	0.75000
1824	ce4ai4n	cteo-initial	271	220	0.000231	0.000192	9	3	6	0.000154	0.75000
1825	cse4dy	opc + e0-4 + y | dy | o[dlrs]y	585	302	0.000231	0.000115	9	3	6	0.000154	0.75000
1826	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	c | c[s | fptk] + e4dy	445	1395	0.000231	-0.000179	9	3	6	0.000154	0.75000
1827	[q | fptk | dlrsmg] + oi0-4[lr]	oro	1819	102	0.000231	0.000109	9	3	6	0.000154	0.75000
1828	lc-initial	okar variants	457	493	0.000231	0.000083	9	3	6	0.000154	0.75000
1829	oa	o[fptk]ai4n	321	1598	0.000231	-0.000107	9	3	6	0.000154	0.75000
1830	olcey relative	ote0-4y	277	731	0.000231	0.000098	9	3	6	0.000154	0.75000
1831	ai4[lr]	oke4dy	782	933	0.000231	-0.000250	9	3	6	0.000154	0.75000
1832	c | c[s | fptk] + e4dy	o[fptk]c + e0-4dy	1395	554	0.001053	0.000543	41	14	27	0.000694	0.74545
1833	oke4dy	okai0-4n	933	994	0.000899	0.000287	35	12	23	0.000591	0.74468
1834	c + c[s | fptk]e4y	kc-initial	1624	322	0.000822	0.000477	32	11	21	0.000540	0.74419
1835	lc-initial	[yo][fptk][ao][lr]	457	2688	0.000822	0.000011	32	11	21	0.000540	0.74419
1836	[dlrsmg] + ai4[lr] + y-suffix	cse4dy	1035	585	0.000822	0.000422	32	11	21	0.000540	0.74419
1837	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	cte4y	2246	186	0.000822	0.000546	32	11	21	0.000540	0.74419
1838	dcedy relatives	edy	85	4981	0.000822	0.000543	32	11	21	0.000540	0.74419
1839	[fptk | dlrsmg] + c | c[s | fptk] + e4or	ce4y	733	737	0.000745	0.000388	29	10	19	0.000488	0.74359
1840	okar variants	ai4[lr]	493	782	0.000745	0.000491	29	10	19	0.000488	0.74359
1841	[yo]d[ao]i0-4n	y[fptk]-initial	450	1295	0.000745	0.000360	29	10	19	0.000488	0.74359
1842	yodai0-4n	y[fptk]-initial	448	1295	0.000745	0.000362	29	10	19	0.000488	0.74359
1843	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[fptk]ai4[lr]	2060	190	0.000745	0.000487	29	10	19	0.000488	0.74359
1844	[q | fptk | dlrsmg] + oi0-4[lr]	[tk]e4dy	1819	309	0.000745	0.000374	29	10	19	0.000488	0.74359
1845	[dlrsmg | fptk] + ai4[dlrsmg | n]	ai4[lr]	3168	782	0.002903	0.001268	113	39	74	0.001901	0.74342
1846	olcey relative	o[tk]e0-4y	277	2042	0.000668	0.000295	26	9	17	0.000437	0.74286
1847	[dlrsmg | fptk] + oi4[dlrsmg | n]	oi4[dlrsmg | n]	809	1124	0.001259	0.000659	49	17	32	0.000822	0.74242
1848	[tk]c-Initial	a-axis of [yo][fptk][ao][lr]	667	1731	0.000591	-0.000171	23	8	15	0.000385	0.74194
1849	ce4dy	lc-initial	755	457	0.000591	0.000363	23	8	15	0.000385	0.74194
1850	ol[oa]	y-initial	401	1926	0.000591	0.000081	23	8	15	0.000385	0.74194
1851	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	ceal variants	2246	269	0.000591	0.000192	23	8	15	0.000385	0.74194
1852	ol[yoa]	y-initial	614	1926	0.001105	0.000324	43	15	28	0.000719	0.74138
1853	a-axis of [yo][fptk][ao][lr]	oi4[dlrsmg | n]	1731	1124	0.001619	0.000334	63	22	41	0.001053	0.74118
1854	l[fptk] Prefixes	okai0-4n	514	994	0.000514	0.000177	20	7	13	0.000334	0.74074
1855	[fp]c-Initial	[yo][fptk][ao][lr]	387	2688	0.000514	-0.000173	20	7	13	0.000334	0.74074
1856	ceal verbs	c + e4dy	230	3053	0.000514	0.000050	20	7	13	0.000334	0.74074
1857	ce4y	lc-initial	737	457	0.000514	0.000292	20	7	13	0.000334	0.74074
1858	c + c[s | fptk]e4y	[yo]te4o[dlrsmg]	1624	341	0.000514	0.000148	20	7	13	0.000334	0.74074
1859	[dlrsmg | fptk] + ai4n	ol[oa]	1724	401	0.000514	0.000058	20	7	13	0.000334	0.74074
1860	[dlrsmg | fptk] + ai4n	eka	1724	191	0.000514	0.000296	20	7	13	0.000334	0.74074
1861	oe	o[fptk]c + e0-4 + y | dy | o[dlrs]y	463	1421	0.000514	0.000080	20	7	13	0.000334	0.74074
1862	okar variants	oi4[dlrsmg | n]	493	1124	0.000514	0.000148	20	7	13	0.000334	0.74074
1863	ai4[lr]	ai4l	782	306	0.000951	0.000793	37	13	24	0.000617	0.74000
1864	c[fptk]e4o-initial & c[fptk]e4y Superclass	o-axis of [yo][fptk][ao][lr]	1659	764	0.001387	0.000551	54	19	35	0.000899	0.73973
1865	[dlrsmg | fptk] + oi4[dlrsmg | n]	c | c[s | fptk] + e4dy	809	1395	0.001387	0.000642	54	19	35	0.000899	0.73973
1866	oke4dy	a-axis of [yo][fptk][ao][lr]	933	1731	0.001747	0.000681	68	24	44	0.001130	0.73913
1867	ai4[dlrsmg | n]	ai4l	1519	306	0.001310	0.001003	51	18	33	0.000848	0.73913
1868	[dlrsmg] + ai4[lr] + y-suffix	c[s | fptk]e4dy	1035	622	0.000873	0.000449	34	12	22	0.000565	0.73913
1869	[dlrsmg] + ai4[lr] + y-suffix	a[lr][ao][lr]	1035	391	0.000437	0.000170	17	6	11	0.000283	0.73913
1870	tc-initial	[dlrsmg | fptk] + ai4n	345	1724	0.000437	0.000044	17	6	11	0.000283	0.73913
1871	olk	lk-initial	557	454	0.000437	0.000270	17	6	11	0.000283	0.73913
1872	sc-initial	[dlrsmg | fptk] + ai4[dlrsmg | n]	103	3168	0.000437	0.000221	17	6	11	0.000283	0.73913
1873	[yo][fptk]e4o[dlrsmg]	ocke4y	924	162	0.000437	0.000338	17	6	11	0.000283	0.73913
1874	[yo][fp]a	ai4[dlrsmg | n]	200	1519	0.000437	0.000236	17	6	11	0.000283	0.73913
1875	okol variants	ce4dy	285	755	0.000437	0.000295	17	6	11	0.000283	0.73913
1876	[fptk | dlrsmg] + c | c[s | fptk] + e4o	c[fptk]e4y	503	310	0.000437	0.000334	17	6	11	0.000283	0.73913
1877	[yo][fptk][ao][lr]	sai4n	2688	258	0.000437	-0.000021	17	6	11	0.000283	0.73913
1878	c[fptk]e4o-initial & c[fptk]e4y Superclass	old	1659	225	0.000437	0.000190	17	6	11	0.000283	0.73913
1879	oi4[dlrsmg | n]	om + o[fptk | dlrsmg]am	1124	454	0.000437	0.000100	17	6	11	0.000283	0.73913
1880	olcey relative	oke0-4y	277	1314	0.000437	0.000197	17	6	11	0.000283	0.73913
1881	do	cse4y	383	578	0.000437	0.000291	17	6	11	0.000283	0.73913
1882	[q | fptk | dlrsmg] + oi0-4[lr]	c[s | fptk]e4dy	1819	622	0.002235	0.001488	87	31	56	0.001439	0.73729
1883	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[fptk]ai4[dlrsmg | n]	2060	411	0.001798	0.001240	70	25	45	0.001156	0.73684
1884	Single-Letter Words	c + e4dy	566	3053	0.000719	-0.000421	28	10	18	0.000462	0.73684
1885	o[lr][yo]	dc-initial	583	454	0.000360	0.000185	14	5	9	0.000231	0.73684
1886	[fptk]ai4[dlrsmg | n]	[yo]kai0-4n	411	1067	0.000360	0.000070	14	5	9	0.000231	0.73684
1887	[dlrsmg | fptk] + ai4[dlrsmg]	dairol/soral relatives	1444	190	0.000360	0.000179	14	5	9	0.000231	0.73684
1888	o[tk]e0-4y	l-prefix + [fptk]e0-4y	2042	80	0.000360	0.000252	14	5	9	0.000231	0.73684
1889	c[s | fptk]e4y	[yo]te4o[dlrsmg]	887	341	0.000360	0.000160	14	5	9	0.000231	0.73684
1890	[dlrsmg]ai4[lr]	oe0-4s	875	632	0.000360	-0.000005	14	5	9	0.000231	0.73684
1891	oi4[dlrsmg | n]	[fptk]ai4n	1124	191	0.000360	0.000218	14	5	9	0.000231	0.73684
1892	[sr]c-Initial	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	179	2246	0.000360	0.000094	14	5	9	0.000231	0.73684
1893	okce0-4y	[dlrsmg] + ai4[lr] + y-suffix	338	1035	0.000360	0.000129	14	5	9	0.000231	0.73684
1894	[tk]c-Initial	o[fptk]c + e0-4dy	667	554	0.000360	0.000116	14	5	9	0.000231	0.73684
1895	c | cs + e0-4s	ai4[lr]	188	782	0.000360	0.000263	14	5	9	0.000231	0.73684
1896	[fptk | dlrsmg] + c | c[s | fptk] + e4or	cte4y	733	186	0.000360	0.000270	14	5	9	0.000231	0.73684
1897	ai4[dlrsmg | n]	[yo][fptk]e4od + y	1519	284	0.000360	0.000075	14	5	9	0.000231	0.73684
1898	lc-initial	[dlrsmg]ai4[lr]	457	875	0.000360	0.000096	14	5	9	0.000231	0.73684

1899	ai4r	ai4[dlrsmg | n]	483	1519	0.002646	0.002162	103	37	66	0.001696	0.73571
1900	a-axis of [yo][fptk][ao][lr]	[dlrsmg]ai4[lr]	1731	875	0.001644	0.000645	64	23	41	0.001053	0.73563
1901	cear variants	ai4[dlrsmg]	365	930	0.000642	0.000418	25	9	16	0.000411	0.73529
1902	[q | fptk | dlrsmg] + oi0-4[lr]	a[lr][ao][lr]	1819	391	0.000642	0.000173	25	9	16	0.000411	0.73529
1903	c + c[s | fptk]e4y	[fptk]ai4[dlrsmg | n]	1624	411	0.001567	0.001127	61	22	39	0.001002	0.73494
1904	[fptk]ai4[dlrsmg | n]	ai4[dlrsmg | n]	411	1519	0.000925	0.000513	36	13	23	0.000591	0.73469
1905	[q | fptk | dlrsmg] + oi0-4[lr]	cse4dy	1819	585	0.002132	0.001430	83	30	53	0.001362	0.73451
1906	[tk]c-Initial	[dlrsmg | fptk] + ai4[dlrsmg | n]	667	3168	0.001490	0.000095	58	21	37	0.000951	0.73418
1907	cse4dy	o[tk]e0-4y	585	2042	0.001413	0.000625	55	20	35	0.000899	0.73333
1908	o[lr][yo]	y[fptk]-initial	583	1295	0.000848	0.000349	33	12	21	0.000540	0.73333
1909	[q | fptk | dlrsmg] + oi0-4[lr]	[fptk]ai4n	1819	191	0.000565	0.000336	22	8	14	0.000360	0.73333
1910	[dlrsmg | fptk] + ai4[dlrsmg]	a[lr][ao][lr]	1444	391	0.000565	0.000193	22	8	14	0.000360	0.73333
1911	a[lr][ao][lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4y	391	2060	0.000565	0.000034	22	8	14	0.000360	0.73333
1912	so	[q | fptk | dlrsmg] + oi0-4[lr]	378	1819	0.000565	0.000111	22	8	14	0.000360	0.73333
1913	[yo][fptk]e4od + y	[yo][fptk][ao][lr]	284	2688	0.000565	0.000061	22	8	14	0.000360	0.73333
1914	c[fptk]e4o-initial & c[fptk]e4y Superclass	o[lr]y	1659	318	0.000565	0.000217	22	8	14	0.000360	0.73333
1915	okc + e0-4 + y | dy | o[dlrs]y	[q | fptk | dlrsmg] + oi0-4[lr]	563	1819	0.000565	-0.000111	22	8	14	0.000360	0.73333
1916	sai4n	c + c[s | fptk]e4y	258	1624	0.000565	0.000289	22	8	14	0.000360	0.73333
1917	[dlrsmg | fptk] + ai4[dlrsmg]	oe0-4s	1444	632	0.000565	-0.000037	22	8	14	0.000360	0.73333
1918	eda	or[yoa]	784	438	0.000283	0.000056	11	4	7	0.000180	0.73333
1919	do	o[lr][yoa]	383	1044	0.000283	0.000019	11	4	7	0.000180	0.73333
1920	a[dlrsmg]am	[dlrsmg | fptk] + ai4[dlrsmg]	92	1444	0.000283	0.000195	11	4	7	0.000180	0.73333
1921	[q | fptk | dlrsmg] + oi0-4[lr]	olai0-4n	1819	126	0.000283	0.000131	11	4	7	0.000180	0.73333
1922	ol[tk]	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	621	230	0.000283	0.000188	11	4	7	0.000180	0.73333
1923	kc-initial	ce4a	322	1009	0.000283	0.000068	11	4	7	0.000180	0.73333
1924	ceckey relatives	[dlrsmg]ai4[lr]	377	875	0.000283	0.000065	11	4	7	0.000180	0.73333
1925	dc-initial	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	454	519	0.000283	0.000127	11	4	7	0.000180	0.73333
1926	od[ao]i0-4n	[yo]ke4o[dlrsmg]	410	584	0.000283	0.000125	11	4	7	0.000180	0.73333
1927	[yo]te4o[dlrsmg]	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	341	1227	0.000283	0.000006	11	4	7	0.000180	0.73333
1928	[dlrsmg | fptk]e0-4y	sai4n	735	258	0.000283	0.000157	11	4	7	0.000180	0.73333
1929	[yo][fptk]e4od + y	a-axis of [yo][fptk][ao][lr]	284	1731	0.000283	-0.000042	11	4	7	0.000180	0.73333
1930	oc[s | fptk]e4y	okal variants	319	544	0.000283	0.000168	11	4	7	0.000180	0.73333
1931	eda	oc[fptk]e4y	784	289	0.000283	0.000133	11	4	7	0.000180	0.73333
1932	om + o[fptk | dlrsmg]am	oe	454	463	0.000283	0.000144	11	4	7	0.000180	0.73333
1933	[yo]d[ao]i0-4n	[yo]ke4o[dlrsmg]	450	584	0.000283	0.000109	11	4	7	0.000180	0.73333
1934	c[fptk]e4o-initial & c[fptk]e4y Superclass	a[lr][ao][lr]	1659	391	0.000283	-0.000146	11	4	7	0.000180	0.73333
1935	odai0-4n	[yo]ke4o[dlrsmg]	408	584	0.000283	0.000125	11	4	7	0.000180	0.73333
1936	eda	[yo]c[fptk]e4y	784	294	0.000283	0.000130	11	4	7	0.000180	0.73333
1937	eda	or[oa]	784	340	0.000283	0.000107	11	4	7	0.000180	0.73333
1938	otc + e4ol	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	66	1227	0.000283	0.000229	11	4	7	0.000180	0.73333
1939	cean verbs	y[fptk]-initial	213	1295	0.000283	0.000101	11	4	7	0.000180	0.73333
1940	ce4ai4n	edy	271	4981	0.000283	-0.000608	11	4	7	0.000180	0.73333
1941	[fptk][yo]lc	ed[yoa]	53	5851	0.000283	0.000078	11	4	7	0.000180	0.73333
1942	dai4n	eka	1140	191	0.000283	0.000139	11	4	7	0.000180	0.73333
1943	dai4n	otal variants	1140	333	0.000283	0.000032	11	4	7	0.000180	0.73333
1944	o[fptk]c + e0-4dy	[yo]tai0-4n	554	490	0.000283	0.000103	11	4	7	0.000180	0.73333
1945	c + c[s | fptk]e4y	old	1624	225	0.000283	0.000041	11	4	7	0.000180	0.73333
1946	ce4y	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	737	623	0.000283	-0.000020	11	4	7	0.000180	0.73333
1947	yodai0-4[lrm | n]	[yo][fp][yoa]	832	339	0.000283	0.000096	11	4	7	0.000180	0.73333
1948	yodai0-4n	[yo]ke4o[dlrsmg]	448	584	0.000283	0.000110	11	4	7	0.000180	0.73333
1949	[yo][fptk]e4o[dlrsmg]	[yo]tai0-4n	924	490	0.000283	-0.000016	11	4	7	0.000180	0.73333
1950	ola	c + c[s | fptk]e4y	228	1624	0.000283	0.000038	11	4	7	0.000180	0.73333
1951	y + Non-[dlrs] Prefixes	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	205	1227	0.000283	0.000117	11	4	7	0.000180	0.73333
1952	dai4n	cse4o	1140	205	0.000283	0.000128	11	4	7	0.000180	0.73333
1953	[fptk]ai4n	c[fptk]e4o-initial & c[fptk]e4y Superclass	191	1659	0.000283	0.000073	11	4	7	0.000180	0.73333
1954	c + c[s | fptk]e4y	[sr]c-Initial	1624	179	0.000283	0.000091	11	4	7	0.000180	0.73333
1955	ea	om	1195	203	0.000283	0.000122	11	4	7	0.000180	0.73333
1956	tc-initial	ea	345	1195	0.000283	0.000010	11	4	7	0.000180	0.73333
1957	a-axis of [yo][fptk][ao][lr]	[yo]d[ao]i0-4r	1731	228	0.000283	0.000022	11	4	7	0.000180	0.73333
1958	cse4dy	c[fptk]e4o-initial & c[fptk]e4y Superclass	585	1659	0.000283	-0.000358	11	4	7	0.000180	0.73333
1959	cean verbs	o[fptk]c + e0-4 + y | dy | o[dlrs]y	213	1421	0.000283	0.000083	11	4	7	0.000180	0.73333
1960	[yo]d[ao]i0-4[lrm | n]	ceal variants	880	269	0.000283	0.000126	11	4	7	0.000180	0.73333
1961	ol[dtk]	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	842	230	0.000283	0.000155	11	4	7	0.000180	0.73333
1962	o[lr]y	[dlrsmg | fptk] + oi4[dlrsmg | n]	318	809	0.000283	0.000113	11	4	7	0.000180	0.73333
1963	o[lr]a	[fptk | dlrsmg] + c | c[s | fptk] + e4o	469	503	0.000283	0.000127	11	4	7	0.000180	0.73333
1964	cse4y	[fptk]ai4[lr]	578	190	0.000283	0.000210	11	4	7	0.000180	0.73333
1965	ed[yoa]	ceam variants	5851	76	0.000283	-0.000011	11	4	7	0.000180	0.73333
1966	[yo]ke4o[dlrsmg]	[dlrsmg | fptk] + ai4[dlrsmg]	584	1444	0.000283	-0.000274	11	4	7	0.000180	0.73333
1967	o[fptk]ai4n	ety	1598	93	0.000283	0.000185	11	4	7	0.000180	0.73333
1968	ol[dtk]	otc + e0-4 + y | dy | o[dlrs]y	842	493	0.000283	0.000009	11	4	7	0.000180	0.73333
1969	[yo]c + e4dy	oke4dy	110	933	0.000283	0.000215	11	4	7	0.000180	0.73333
1970	pc-initial	ea	307	1195	0.000283	0.000040	11	4	7	0.000180	0.73333
1971	od endings + odcey relatives	okc + e0-4 + y | dy | o[dlrs]y	275	563	0.000283	0.000180	11	4	7	0.000180	0.73333
1972	[yo][fptk]e4o	[dlrsmg | fptk] + ai4[dlrsmg]	88	1444	0.000283	0.000199	11	4	7	0.000180	0.73333
1973	[yo][fptk]e4o	[fptk | dlrsmg] + c | c[s | fptk] + e4y	88	2060	0.000283	0.000163	11	4	7	0.000180	0.73333
1974	y-initial	[fptk] + c | c[s | fptk] + e4dy	1926	196	0.000283	0.000033	11	4	7	0.000180	0.73333
1975	c[fptk]e4o-initial & c[fptk]e4y Superclass	or[yoa]	1659	438	0.000771	0.000291	30	11	19	0.000488	0.73171
1976	okal variants	[dlrsmg] + ai4[lr] + y-suffix	544	1035	0.000771	0.000399	30	11	19	0.000488	0.73171
1977	a[dlrsmg]am	[dlrsmg | fptk] + ai4[dlrsmg | n]	92	3168	0.000488	0.000296	19	7	12	0.000308	0.73077
1978	lk-initial	okai0-4n	454	994	0.000488	0.000190	19	7	12	0.000308	0.73077
1979	a-axis of [yo][fptk][ao][lr]	o[fptk | dlrsmg][ao]m	1731	280	0.000488	0.000168	19	7	12	0.000308	0.73077
1980	[dlrsmg | fptk] + ai4[dlrsmg | n]	Detached Class Modifiers	3168	95	0.000488	0.000289	19	7	12	0.000308	0.73077
1981	o[fptk]ai4n	ai4l	1598	306	0.000488	0.000165	19	7	12	0.000308	0.73077
1982	[dlrsmg | fptk] + ai4n	okar variants	1724	493	0.000488	-0.000073	19	7	12	0.000308	0.73077
1983	dai4n	ai4[lr]	1140	782	0.000488	-0.000100	19	7	12	0.000308	0.73077
1984	[dlrsmg] + ai4[lr] + y-suffix	cse4y	1035	578	0.000488	0.000093	19	7	12	0.000308	0.73077
1985	[yo]c[s | fptk]e4y	o[tk]e0-4y	353	2042	0.000694	0.000218	27	10	17	0.000437	0.72973
1986	l[fptk] Prefixes	ai4[dlrsmg | n]	514	1519	0.000694	0.000178	27	10	17	0.000437	0.72973
1987	[tk]c-Initial	[yo][fptk][ao][lr]	667	2688	0.000899	-0.000284	35	13	22	0.000565	0.72917
1988	[yo][fp][yoa]	[dlrsmg | fptk] + ai4[dlrsmg | n]	339	3168	0.000899	0.000190	35	13	22	0.000565	0.72917
1989	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[fptk]ai4n	2060	191	0.000899	0.000639	35	13	22	0.000565	0.72917
1990	oe0-4s	ai4[dlrsmg]	632	930	0.001105	0.000717	43	16	27	0.000694	0.72881
1991	[yo]tai0-4n	a-axis of [yo][fptk][ao][lr]	490	1731	0.001233	0.000673	48	18	30	0.000771	0.72727
1992	oi4[dlrsmg | n]	cse4y	1124	578	0.000822	0.000393	32	12	20	0.000514	0.72727
1993	[tk]c-Initial	dai4n	667	1140	0.000617	0.000115	24	9	15	0.000385	0.72727
1994	od[ao]i0-4n	y[fptk]-initial	410	1295	0.000617	0.000266	24	9	15	0.000385	0.72727
1995	odai0-4n	y[fptk]-initial	408	1295	0.000617	0.000268	24	9	15	0.000385	0.72727
1996	[yo][fptk]e4o[dlrsmg]	[dlrsmg | fptk] + ai4[dlrsmg]	924	1444	0.000617	-0.000264	24	9	15	0.000385	0.72727
1997	cedar variants	o[fptk]c + e0-4dy	176	554	0.000411	0.000347	16	6	10	0.000257	0.72727

1998	c | c[fptk] + e4o	lk-initial	228	454	0.000411	0.000343	16	6	10	0.000257	0.72727
1999	ceckey relatives	okal variants	377	544	0.000411	0.000276	16	6	10	0.000257	0.72727
2000	[yo]d[ao]i0-4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	393	503	0.000411	0.000281	16	6	10	0.000257	0.72727
2001	c | c[fptk] + e4o	l[fptk] Prefixes	228	514	0.000411	0.000334	16	6	10	0.000257	0.72727
2002	c[s | fptk]e4y	[yo]tai0-4n	887	490	0.000411	0.000124	16	6	10	0.000257	0.72727
2003	[yo]d[ao]i0-4[lrm | n]	cse4o	880	205	0.000411	0.000292	16	6	10	0.000257	0.72727
2004	[dlrsmg] + ai4[lr] + y-suffix	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	1035	445	0.000411	0.000107	16	6	10	0.000257	0.72727
2005	od[ao]i0-4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	369	503	0.000411	0.000289	16	6	10	0.000257	0.72727
2006	[tk]e4dy	[dlrsmg | fptk] + ai4[dlrsmg]	309	1444	0.000411	0.000117	16	6	10	0.000257	0.72727
2007	a-axis of [yo][fptk][ao][lr]	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	1731	222	0.000411	0.000157	16	6	10	0.000257	0.72727
2008	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	[fptk]ai4[lr]	2246	190	0.000411	0.000129	16	6	10	0.000257	0.72727
2009	[tk]e4o	[dlrsmg | fptk] + ai4[dlrsmg | n]	206	3168	0.000411	-0.000020	16	6	10	0.000257	0.72727
2010	[yo][fptk][ao][lr]	c | c[fptk] + e4o	2688	228	0.000411	0.000007	16	6	10	0.000257	0.72727
2011	o[fptk]c + e0-4dy	o-axis of [yo][fptk][ao][lr]	554	764	0.000411	0.000132	16	6	10	0.000257	0.72727
2012	oi4n Superset	[fptk | dlrsmg] + c | c[s | fptk] + e4o	257	503	0.000206	0.000120	8	3	5	0.000128	0.72727
2013	a[dlrsmg]am	[dlrsmg | fptk] + ai4n	92	1724	0.000206	0.000101	8	3	5	0.000128	0.72727
2014	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	Single-Letter Words	445	566	0.000206	0.000039	8	3	5	0.000128	0.72727
2015	ce4a	oc[fptk]e4y	1009	289	0.000206	0.000013	8	3	5	0.000128	0.72727
2016	[yo][fp]ai0-4[rn]	ai4[dlrsmg]	111	930	0.000206	0.000137	8	3	5	0.000128	0.72727
2017	[q | fptk | dlrsmg] + oi0-4[lr]	o[dlrs]ce4y Superset	1819	196	0.000206	-0.000030	8	3	5	0.000128	0.72727
2018	ai4[dlrsmg | n]	okc + e0-4 + y | dy | o[dlrs]y	1519	563	0.000206	-0.000359	8	3	5	0.000128	0.72727
2019	ai4[dlrsmg | n]	okce0-4y	1519	338	0.000206	-0.000133	8	3	5	0.000128	0.72727
2020	lk-initial	odai0-4[lrm | n]	454	767	0.000206	-0.000024	8	3	5	0.000128	0.72727
2021	lk-initial	[yo]d[ao]i0-4[lrm | n]	454	880	0.000206	-0.000058	8	3	5	0.000128	0.72727
2022	lk-initial	od[ao]i0-4[lrm | n]	454	813	0.000206	-0.000038	8	3	5	0.000128	0.72727
2023	lk-initial	yodai0-4[lrm | n]	454	832	0.000206	-0.000044	8	3	5	0.000128	0.72727
2024	eda	sai4n	784	258	0.000206	0.000072	8	3	5	0.000128	0.72727
2025	okar variants	a[lr][ao][lr]	493	391	0.000206	0.000078	8	3	5	0.000128	0.72727
2026	oi	[fptk | dlrsmg] + c | c[s | fptk] + e4o	304	503	0.000206	0.000105	8	3	5	0.000128	0.72727
2027	ek[yoa]	otar variants	446	345	0.000206	0.000104	8	3	5	0.000128	0.72727
2028	lk-initial	ai4r	454	483	0.000206	0.000061	8	3	5	0.000128	0.72727
2029	[yo][fptk][ao][lr]	[dlrsmg]ai4m	2688	149	0.000206	-0.000059	8	3	5	0.000128	0.72727
2030	oly	oke0-4y	222	1314	0.000206	0.000013	8	3	5	0.000128	0.72727
2031	[fptk | dlrsmg] + c | c[s | fptk] + e4o	okce0-4y	503	338	0.000206	0.000093	8	3	5	0.000128	0.72727
2032	[yo][fptk]e4ol	[dlrsmg | fptk] + ai4[dlrsmg]	322	1444	0.000206	-0.000101	8	3	5	0.000128	0.72727
2033	ce4dy	[dlrsmg]e0-4y	755	453	0.000206	-0.000020	8	3	5	0.000128	0.72727
2034	ce4dy	okce0-4dy	755	188	0.000206	0.000112	8	3	5	0.000128	0.72727
2035	otc + e0-4 + y | dy | o[dlrs]y	oe0-4s	493	632	0.000206	0.000000	8	3	5	0.000128	0.72727
2036	o[fptk]e4dy	okol variants	1444	285	0.000206	-0.000066	8	3	5	0.000128	0.72727
2037	[tk]c-Initial	cteo-initial	667	220	0.000206	0.000109	8	3	5	0.000128	0.72727
2038	cedal variants	oke4dy	127	933	0.000206	0.000127	8	3	5	0.000128	0.72727
2039	l[fptk] Prefixes	[dlrsmg]ai4[lr]	514	875	0.000206	-0.000091	8	3	5	0.000128	0.72727
2040	dai4m	[dlrsmg | fptk] + oi4[dlrsmg | n]	130	809	0.000206	0.000136	8	3	5	0.000128	0.72727
2041	[dlrsmg | fptk]e0-4y	or[yoa]	735	438	0.000206	-0.000007	8	3	5	0.000128	0.72727
2042	[dlrsmg | fptk]e0-4y	oc[fptk]e4y	735	289	0.000206	0.000065	8	3	5	0.000128	0.72727
2043	cear verbs	ceal variants	303	269	0.000206	0.000152	8	3	5	0.000128	0.72727
2044	cke4[yo]	oke0-4y	172	1314	0.000206	0.000056	8	3	5	0.000128	0.72727
2045	[yo]ke4o[lr]	[dlrsmg | fptk] + oi4[dlrsmg | n]	319	809	0.000206	0.000035	8	3	5	0.000128	0.72727
2046	oda	cke4[yo]	847	172	0.000206	0.000109	8	3	5	0.000128	0.72727
2047	oda	ceal verbs	847	230	0.000206	0.000077	8	3	5	0.000128	0.72727
2048	okai0-4n	oc[fptk]e4y	994	289	0.000206	0.000016	8	3	5	0.000128	0.72727
2049	dc-initial	c[s | fptk]e4dy	454	622	0.000206	0.000019	8	3	5	0.000128	0.72727
2050	ceckey relatives	[yo][fptk]e4o[dlrsmg]	377	924	0.000206	-0.000024	8	3	5	0.000128	0.72727
2051	ceckey relatives	[ao][lr][ao][lr] Pipe/Flow	377	843	0.000206	-0.000004	8	3	5	0.000128	0.72727
2052	ai4[dlrsmg]	[yo][fptk]e4od + y	930	284	0.000206	0.000031	8	3	5	0.000128	0.72727
2053	ote0-4y	om + o[fptk | dlrsmg]am	731	454	0.000206	-0.000014	8	3	5	0.000128	0.72727
2054	[yo]ce4y	o[fptk]ai4n	113	1598	0.000206	0.000086	8	3	5	0.000128	0.72727
2055	[yo]kai0-4n	oc[fptk]e4y	1067	289	0.000206	0.000002	8	3	5	0.000128	0.72727
2056	oke0-4y	dai4m	1314	130	0.000206	0.000093	8	3	5	0.000128	0.72727
2057	od endings + odcey relatives	o-axis of [yo][fptk][ao][lr]	275	764	0.000206	0.000067	8	3	5	0.000128	0.72727
2058	kc-initial	ol[dtk]	322	842	0.000206	0.000027	8	3	5	0.000128	0.72727
2059	od endings	yodai0-4[lrm | n]	243	832	0.000206	0.000072	8	3	5	0.000128	0.72727
2060	od endings	odai0-4[lrm | n]	243	767	0.000206	0.000083	8	3	5	0.000128	0.72727
2061	okc + e0-4 + y | dy | o[dlrs]y	okar variants	563	493	0.000206	0.000022	8	3	5	0.000128	0.72727
2062	[fptk | dlrsmg] + c | c[s | fptk] + e4or	okce0-4y	733	338	0.000206	0.000042	8	3	5	0.000128	0.72727
2063	ai4n	cedai4[lrsm | n]	589	527	0.000206	0.000001	8	3	5	0.000128	0.72727
2064	ce4a	ol[oa]	1009	401	0.000206	-0.000062	8	3	5	0.000128	0.72727
2065	sai4n	ai4[lr]	258	782	0.000206	0.000072	8	3	5	0.000128	0.72727
2066	otar variants	a[lr][ao][lr]	345	391	0.000206	0.000116	8	3	5	0.000128	0.72727
2067	[dlrsmg | fptk] + ai4n	cse0-4s	1724	102	0.000206	0.000089	8	3	5	0.000128	0.72727
2068	cean verbs	c[s | fptk]e4y	213	887	0.000206	0.000081	8	3	5	0.000128	0.72727
2069	o-axis of [yo][fptk][ao][lr]	c | c[fptk] + e4o	764	228	0.000206	0.000091	8	3	5	0.000128	0.72727
2070	Single-Letter Words	o[fptk]e4dy	566	1444	0.000206	-0.000334	8	3	5	0.000128	0.72727
2071	ol[yo]	otc + e0-4 + y | dy | o[dlrs]y	388	493	0.000206	0.000079	8	3	5	0.000128	0.72727
2072	ol[yo]	dc-initial	388	454	0.000206	0.000089	8	3	5	0.000128	0.72727
2073	[fptk | dlrsmg] + c | c[s | fptk] + e4or	od endings + odcey relatives	733	275	0.000206	0.000072	8	3	5	0.000128	0.72727
2074	kc-initial	o[fptk]c + e0-4dy	322	554	0.000206	0.000088	8	3	5	0.000128	0.72727
2075	otal variants	[dlrsmg | fptk] + oi4[dlrsmg | n]	333	809	0.000206	0.000028	8	3	5	0.000128	0.72727
2076	opal variants	[dlrsmg | fptk] + ai4[dlrsmg | n]	42	3168	0.000206	0.000118	8	3	5	0.000128	0.72727
2077	od endings	o-axis of [yo][fptk][ao][lr]	243	764	0.000206	0.000083	8	3	5	0.000128	0.72727
2078	cte4y	otc + e0-4 + y | dy | o[dlrs]y	186	493	0.000206	0.000145	8	3	5	0.000128	0.72727
2079	otal variants	[fptk]ai4[dlrsmg | n]	333	411	0.000206	0.000115	8	3	5	0.000128	0.72727
2080	[yo]d[ao]i0-4n	ek[yoa]	450	446	0.000206	0.000073	8	3	5	0.000128	0.72727
2081	lk-initial	oda	454	847	0.000206	-0.000048	8	3	5	0.000128	0.72727
2082	a[lr][ao][lr]	o[fptk]e4dy	391	1444	0.000206	-0.000167	8	3	5	0.000128	0.72727
2083	ai4[dlrsmg | n]	[yo]te4od	1519	149	0.000206	0.000056	8	3	5	0.000128	0.72727
2084	c[fptk]e4o-initial & c[fptk]e4y Superclass	okce0-4dy	1659	188	0.000206	0.000000	8	3	5	0.000128	0.72727
2085	odai0-4n	ek[yoa]	408	446	0.000206	0.000085	8	3	5	0.000128	0.72727
2086	odai0-4n	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	408	623	0.000206	0.000038	8	3	5	0.000128	0.72727
2087	otar variants	od[ao]i0-4[lrm | n]	345	813	0.000206	0.000020	8	3	5	0.000128	0.72727
2088	otar variants	odai0-4[lrm | n]	345	767	0.000206	0.000031	8	3	5	0.000128	0.72727
2089	[fp]c-Initial	a-axis of [yo][fptk][ao][lr]	387	1731	0.000206	-0.000237	8	3	5	0.000128	0.72727
2090	otc + e4ol	c[fptk]e4o-initial & c[fptk]e4y Superclass	66	1659	0.000206	0.000133	8	3	5	0.000128	0.72727
2091	l[fptk] Prefixes	od[ao]i0-4[lrm | n]	514	813	0.000206	-0.000070	8	3	5	0.000128	0.72727
2092	l[fptk] Prefixes	odai0-4[lrm | n]	514	767	0.000206	-0.000055	8	3	5	0.000128	0.72727
2093	l[fptk] Prefixes	[yo]d[ao]i0-4[lrm | n]	514	880	0.000206	-0.000093	8	3	5	0.000128	0.72727
2094	l[fptk] Prefixes	oda	514	847	0.000206	-0.000082	8	3	5	0.000128	0.72727
2095	l[fptk] Prefixes	yodai0-4[lrm | n]	514	832	0.000206	-0.000077	8	3	5	0.000128	0.72727
2096	l[fptk] Prefixes	okal variants	514	544	0.000206	0.000021	8	3	5	0.000128	0.72727
2097	oda	o[fptk]c + e0-4ol	847	159	0.000206	0.000117	8	3	5	0.000128	0.72727
2098	od[ao]i0-4[lr]	cse4o	369	205	0.000206	0.000156	8	3	5	0.000128	0.72727

2099	om	[yo]c + e4o Superclass	203	345	0.000206	0.000159	8	3	5	0.000128	0.72727
2100	o[lr]a	[yo][fptk]e4ol	469	322	0.000206	0.000106	8	3	5	0.000128	0.72727
2101	edy	d[fptk | drs]	4981	56	0.000206	0.000021	8	3	5	0.000128	0.72727
2102	ote4dy	[yo]ke4o[dlrsmg]	509	584	0.000206	0.000009	8	3	5	0.000128	0.72727
2103	ol[yoa]	o[fptk]c + e0-4dy	614	554	0.000206	-0.000019	8	3	5	0.000128	0.72727
2104	[dlrsmg] + ai4[lr] + y-suffix	[dlrsmg]ai4m	1035	149	0.000206	0.000104	8	3	5	0.000128	0.72727
2105	[yo]ke4o[dlrsmg]	oy + oe4y	584	207	0.000206	0.000126	8	3	5	0.000128	0.72727
2106	[yo][fptk | dlrsmg] + c | cs + e4o	[tk]c-Initial	113	667	0.000206	0.000156	8	3	5	0.000128	0.72727
2107	o[tk]e0-4y	l[drs] Prefixes	2042	95	0.000206	0.000077	8	3	5	0.000128	0.72727
2108	[yo]d[ao]i0-4[lrm | n]	o[fptk]c + e0-4ol	880	159	0.000206	0.000113	8	3	5	0.000128	0.72727
2109	[yo]d[ao]i0-4[lrm | n]	ce4o	880	160	0.000206	0.000113	8	3	5	0.000128	0.72727
2110	[yo]d[ao]i0-4[lrm | n]	cke4[yo]	880	172	0.000206	0.000106	8	3	5	0.000128	0.72727
2111	ek[yo]	[yo]dy endings	255	1228	0.000206	-0.000001	8	3	5	0.000128	0.72727
2112	o + c | cs + e4ol	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	48	2246	0.000206	0.000134	8	3	5	0.000128	0.72727
2113	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	cear variants	623	365	0.000206	0.000055	8	3	5	0.000128	0.72727
2114	cse4o	o[fptk]c + e0-4y	205	753	0.000206	0.000104	8	3	5	0.000128	0.72727
2115	opce0-4dy	[dlrsmg | fptk] + ai4n	159	1724	0.000206	0.000025	8	3	5	0.000128	0.72727
2116	oe0-4s	ol[tk]	632	621	0.000206	-0.000054	8	3	5	0.000128	0.72727
2117	[dlrsmg | fptk] + ai4[dlrsmg]	sai4n	1444	258	0.000206	-0.000040	8	3	5	0.000128	0.72727
2118	yodai0-4[lrm | n]	o[fptk]c + e0-4ol	832	159	0.000206	0.000118	8	3	5	0.000128	0.72727
2119	ek[yoa]	[yo][fptk]e4o[dlrsmg]	446	924	0.000206	-0.000066	8	3	5	0.000128	0.72727
2120	ek[yoa]	okol variants	446	285	0.000206	0.000122	8	3	5	0.000128	0.72727
2121	o[lr]o	ol[dtk]	274	842	0.000206	0.000053	8	3	5	0.000128	0.72727
2122	c[s | fptk]e4y	od endings	887	243	0.000206	0.000063	8	3	5	0.000128	0.72727
2123	c[s | fptk]e4y	od endings + odcey relatives	887	275	0.000206	0.000045	8	3	5	0.000128	0.72727
2124	edo	[q | fptk | dlrsmg] + oi0-4[lr]	90	1819	0.000206	0.000097	8	3	5	0.000128	0.72727
2125	g	[dlrsmg | fptk] + oi4[dlrsmg | n]	132	809	0.000206	0.000135	8	3	5	0.000128	0.72727
2126	yodai0-4n	ek[yoa]	448	446	0.000206	0.000074	8	3	5	0.000128	0.72727
2127	[yo][fp]ai0-4[rn]	y-initial	111	1926	0.000206	0.000064	8	3	5	0.000128	0.72727
2128	o[fptk]c + e0-4dy	oi4[dlrsmg | n]	554	1124	0.000206	-0.000205	8	3	5	0.000128	0.72727
2129	[yo]ce4y + infixed versions	o[fptk]e4dy	466	1444	0.000206	-0.000239	8	3	5	0.000128	0.72727
2130	o[fptk]c + e0-4o	[tk]c-Initial	101	667	0.000206	0.000161	8	3	5	0.000128	0.72727
2131	oce4y + s infixes	[dlrsmg | fptk] + ai4n	90	1724	0.000206	0.000103	8	3	5	0.000128	0.72727
2132	o-axis of [yo][fptk][ao][lr]	[yo]d[ao]i0-4r	764	228	0.000206	0.000091	8	3	5	0.000128	0.72727
2133	c + c[s | fptk]e4y	[fptk] + c | c[s | fptk] + e4dy	1624	196	0.000206	-0.000005	8	3	5	0.000128	0.72727
2134	o-axis of [yo][fptk][ao][lr]	od[ao]i0-4r	764	215	0.000206	0.000097	8	3	5	0.000128	0.72727
2135	Single-Letter Words	cear verbs	566	303	0.000206	0.000092	8	3	5	0.000128	0.72727
2136	yodai0-4[lrm | n]	ceal verbs	832	230	0.000206	0.000079	8	3	5	0.000128	0.72727
2137	ea	[yo]ce4y + s infixes	1195	172	0.000206	0.000070	8	3	5	0.000128	0.72727
2138	c[fptk]c polygraph	o[tk]e0-4y	99	2042	0.000206	0.000072	8	3	5	0.000128	0.72727
2139	[yo]c + e4o Superclass	ce4y	345	737	0.000206	0.000038	8	3	5	0.000128	0.72727
2140	odai0-4l	c + e4dy	133	3053	0.000206	-0.000062	8	3	5	0.000128	0.72727
2141	ed[yoa]	[yo]te4or	5851	31	0.000206	0.000086	8	3	5	0.000128	0.72727
2142	ed[yoa]	d[fptk | drs]	5851	56	0.000206	-0.000011	8	3	5	0.000128	0.72727
2143	g	[q | fptk | dlrsmg] + oi0-4[lr]	132	1819	0.000206	0.000047	8	3	5	0.000128	0.72727
2144	otce0-4dy	o-axis of [yo][fptk][ao][lr]	172	764	0.000206	0.000119	8	3	5	0.000128	0.72727
2145	y-initial	oy	1926	141	0.000206	0.000026	8	3	5	0.000128	0.72727
2146	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	ce4a	186	1009	0.000206	0.000082	8	3	5	0.000128	0.72727
2147	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	[yo]te4o[dlrsmg]	623	341	0.000206	0.000065	8	3	5	0.000128	0.72727
2148	o[fptk]e4dy	eka	1444	191	0.000206	0.000023	8	3	5	0.000128	0.72727
2149	[yo]tai0-4n	ai4r	490	483	0.000206	0.000049	8	3	5	0.000128	0.72727
2150	[yo]tai0-4n	et[yoa]	490	186	0.000206	0.000145	8	3	5	0.000128	0.72727
2151	[yo]ke4ol	c | c[s | fptk] + e4dy	223	1395	0.000206	0.000000	8	3	5	0.000128	0.72727
2152	[yo]ke4ol	[fptk | dlrsmg] + c | c[s | fptk] + e4o	223	503	0.000206	0.000131	8	3	5	0.000128	0.72727
2153	oy	c[s | fptk]e4y	141	887	0.000206	0.000123	8	3	5	0.000128	0.72727
2154	okce0-4y	do	338	383	0.000206	0.000120	8	3	5	0.000128	0.72727
2155	cse4o	c[fptk]e4y	205	310	0.000206	0.000164	8	3	5	0.000128	0.72727
2156	y-initial	cedar variants	1926	176	0.000206	-0.000018	8	3	5	0.000128	0.72727
2157	or[oa]	Single-Letter Words	340	566	0.000206	0.000079	8	3	5	0.000128	0.72727
2158	[fptk | dlrsmg] + c | c[s | fptk] + e4y	l-prefix + [fptk]e0-4y	2060	80	0.000206	0.000097	8	3	5	0.000128	0.72727
2159	o[tk]e0-4y	cedar variants	2042	176	0.000206	-0.000032	8	3	5	0.000128	0.72727
2160	[yo]e0-4[fp]e0-4[yo]	y[fptk]-initial	149	1295	0.000206	0.000078	8	3	5	0.000128	0.72727
2161	[dlrsmg | fptk]e0-4y	[yo]c[fptk]e4y	735	294	0.000206	0.000063	8	3	5	0.000128	0.72727
2162	[yo]d[ao]i0-4[lr]	cse4o	393	205	0.000206	0.000152	8	3	5	0.000128	0.72727
2163	om	so	203	378	0.000206	0.000155	8	3	5	0.000128	0.72727
2164	sc-initial	[q | fptk | dlrsmg] + oi0-4[lr]	103	1819	0.000206	0.000082	8	3	5	0.000128	0.72727
2165	o[fptk]ai4n	cse4o	1598	205	0.000206	-0.000011	8	3	5	0.000128	0.72727
2166	oe	o[fptk]c + e0-4dy	463	554	0.000206	0.000036	8	3	5	0.000128	0.72727
2167	o[fptk]ai4n	or[yo]	1598	200	0.000206	-0.000005	8	3	5	0.000128	0.72727
2168	cedar variants	ce4dy	176	755	0.000206	0.000118	8	3	5	0.000128	0.72727
2169	o[fptk]c + e0-4 + y | dy | o[dlrs]y	[fptk]ai4[lr]	1421	190	0.000206	0.000027	8	3	5	0.000128	0.72727
2170	o[fptk]c + e0-4 + y | dy | o[dlrs]y	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	1421	222	0.000206	-0.000003	8	3	5	0.000128	0.72727
2171	c[fptk]e4y	ko	310	179	0.000206	0.000169	8	3	5	0.000128	0.72727
2172	o[lr][oa]	[yo]ke4o[lr]	735	319	0.000206	0.000051	8	3	5	0.000128	0.72727
2173	od[ao]i0-4n	ek[yoa]	410	446	0.000206	0.000085	8	3	5	0.000128	0.72727
2174	od[ao]i0-4n	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	410	623	0.000206	0.000037	8	3	5	0.000128	0.72727
2175	od[ao]i0-4[lr]	om + o[fptk | dlrsmg]am	369	454	0.000206	0.000095	8	3	5	0.000128	0.72727
2176	odai0-4[lr]	oi4[dlrsmg | n]	326	1124	0.000206	-0.000036	8	3	5	0.000128	0.72727
2177	o[lr][yoa]	otce0-4y	1044	281	0.000206	0.000012	8	3	5	0.000128	0.72727
2178	[yo][fptk]e4o[lr]	[yo]te4o[lr]	449	130	0.000206	0.000167	8	3	5	0.000128	0.72727
2179	[yo][fptk]e4o[lr]	ai4[dlrsmg]	449	930	0.000206	-0.000070	8	3	5	0.000128	0.72727
2180	c[s | fptk]e4dy	o[tk]e0-4y	622	2042	0.001490	0.000652	58	22	36	0.000925	0.72500
2181	otar variants	ai4[dlrsmg]	345	930	0.000745	0.000533	29	11	18	0.000462	0.72500
2182	cte4[yo]	[yo][fptk][ao][lr]	406	2688	0.000745	0.000025	29	11	18	0.000462	0.72500
2183	[dlrsmg | fptk] + oi4[dlrsmg | n]	ai4[dlrsmg | n]	809	1519	0.001285	0.000473	50	19	31	0.000796	0.72464
2184	cear variants	ai4[dlrsmg | n]	365	1519	0.001079	0.000713	42	16	26	0.000668	0.72414
2185	otai0-4n	a-axis of [yo][fptk][ao][lr]	430	1731	0.001079	0.000588	42	16	26	0.000668	0.72414
2186	cear variants	ai4[lr]	365	782	0.000540	0.000351	21	8	13	0.000334	0.72414
2187	oly	[dlrsmg | fptk] + ai4n	222	1724	0.000540	0.000287	21	8	13	0.000334	0.72414
2188	[yo]dy endings	okar variants	1228	493	0.000540	0.000140	21	8	13	0.000334	0.72414
2189	[fptk | dlrsmg] + c | c[s | fptk] + e4y	ko	2060	179	0.000873	0.000630	34	13	21	0.000540	0.72340
2190	[dlrsmg | fptk] + ai4n	cteo-initial	1724	220	0.000873	0.000623	34	13	21	0.000540	0.72340
2191	cedar variants	c + e4dy	176	3053	0.001002	0.000647	39	15	24	0.000617	0.72222
2192	oa	c[fptk]e4o-initial & c[fptk]e4y Superclass	321	1659	0.000668	0.000316	26	10	16	0.000411	0.72222
2193	[dlrsmg | fptk] + ai4n	[yo]tai0-4n	1724	490	0.000668	0.000110	26	10	16	0.000411	0.72222
2194	oce4y + infixed versions	o-axis of [yo][fptk][ao][lr]	379	764	0.000334	0.000143	13	5	8	0.000206	0.72222
2195	c | c[s | fptk] + e4dy	oe	1395	463	0.000334	-0.000092	13	5	8	0.000206	0.72222
2196	oe0-4s	a[lr][ao][lr]	632	391	0.000334	0.000171	13	5	8	0.000206	0.72222
2197	yodai0-4n	[yo][fptk]e4o[dlrsmg]	448	924	0.000334	0.000061	13	5	8	0.000206	0.72222
2198	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	oce4y + infixed versions	445	379	0.000334	0.000223	13	5	8	0.000206	0.72222
2199	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	[yo]c[s | fptk]e4y	445	353	0.000334	0.000230	13	5	8	0.000206	0.72222

2200	oce4y + infixed versions	ol[dtk]	379	842	0.000334	0.000123	13	5	8	0.000206	0.72222
2201	ece Noun	[dlrsmg | fptk] + ai4[dlrsmg | n]	142	3168	0.000334	0.000037	13	5	8	0.000206	0.72222
2202	ol[yoa]	ce4y	614	737	0.000334	0.000035	13	5	8	0.000206	0.72222
2203	oc[fpt]e4y	o[fptk]c + e0-4 + y | dy | o[dlrs]y	132	1421	0.000334	0.000210	13	5	8	0.000206	0.72222
2204	[yo]d[ao]i0-4l	[dlrsmg | fptk] + ai4[dlrsmg | n]	165	3168	0.000334	-0.000011	13	5	8	0.000206	0.72222
2205	o[lr]a	ce4y	469	737	0.000334	0.000106	13	5	8	0.000206	0.72222
2206	[yo]dy endings	otol variants	1228	239	0.000334	0.000140	13	5	8	0.000206	0.72222
2207	[dlrsmg | fptk] + ai4[dlrsmg | n]	okor variants	3168	122	0.000334	0.000079	13	5	8	0.000206	0.72222
2208	od[ao]i0-4n	[yo][fptk]e4o[dlrsmg]	410	924	0.000334	0.000084	13	5	8	0.000206	0.72222
2209	ol[dtk]	so	842	378	0.000334	0.000124	13	5	8	0.000206	0.72222
2210	y-initial	c | c[fptk] + e4o	1926	228	0.000334	0.000044	13	5	8	0.000206	0.72222
2211	te4o	ed[yoa]	75	5851	0.000334	0.000044	13	5	8	0.000206	0.72222
2212	[dlrsmg]ai4[lr]	[yo]d[ao]i0-4[lr]	875	393	0.000334	0.000107	13	5	8	0.000206	0.72222
2213	oa	ce4a	321	1009	0.000334	0.000120	13	5	8	0.000206	0.72222
2214	l[fptk] Prefixes	okar variants	514	493	0.000334	0.000167	13	5	8	0.000206	0.72222
2215	odai0-4n	[yo][fptk]e4o[dlrsmg]	408	924	0.000334	0.000085	13	5	8	0.000206	0.72222
2216	oi4[dlrsmg | n]	eky	1124	217	0.000334	0.000173	13	5	8	0.000206	0.72222
2217	[yo]d[ao]i0-4n	[yo][fptk]e4o[dlrsmg]	450	924	0.000334	0.000060	13	5	8	0.000206	0.72222
2218	[yo]ce4y + infixed versions	ol[dtk]	466	842	0.000334	0.000075	13	5	8	0.000206	0.72222
2219	dai4n	okar variants	1140	493	0.000334	-0.000037	13	5	8	0.000206	0.72222
2220	oa	ea	321	1195	0.000334	0.000081	13	5	8	0.000206	0.72222
2221	cedai4[lrsm | n]	opce0-4dy	527	159	0.000334	0.000279	13	5	8	0.000206	0.72222
2222	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	cse4dy	1227	585	0.000334	-0.000140	13	5	8	0.000206	0.72222
2223	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	c[s | fptk]e4dy	1227	622	0.000334	-0.000170	13	5	8	0.000206	0.72222
2224	oc[s | fptk]e4y	ol[dtk]	319	842	0.000334	0.000157	13	5	8	0.000206	0.72222
2225	[yo][fptk]e4or	ai4[dlrsmg | n]	127	1519	0.000334	0.000207	13	5	8	0.000206	0.72222
2226	[fp]c-Initial	ea	387	1195	0.000334	0.000029	13	5	8	0.000206	0.72222
2227	[yo]c[s | fptk]e4y	ol[dtk]	353	842	0.000334	0.000138	13	5	8	0.000206	0.72222
2228	oke0-4y	cedai4[lrsm | n]	1314	527	0.000334	-0.000123	13	5	8	0.000206	0.72222
2229	ce4ai4n	o[tk]e0-4y	271	2042	0.000334	-0.000031	13	5	8	0.000206	0.72222
2230	[yo]te4o[dlrsmg]	[dlrsmg | fptk] + ai4[dlrsmg]	341	1444	0.000334	0.000009	13	5	8	0.000206	0.72222
2231	ai4[dlrsmg | n]	eka	1519	191	0.000334	0.000142	13	5	8	0.000206	0.72222
2232	[dlrsmg | fptk] + ai4[dlrsmg | n]	oe0-4s	3168	632	0.001130	-0.000191	44	17	27	0.000694	0.72131
2233	c[s | fptk]e4dy	oke4dy	622	933	0.001593	0.001210	62	24	38	0.000976	0.72093
2234	[yo][fptk]e4o[dlrsmg]	o[fptk]ai4n	924	1598	0.000796	-0.000178	31	12	19	0.000488	0.72093
2235	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	[fptk]ai4[dlrsmg | n]	1227	411	0.000796	0.000464	31	12	19	0.000488	0.72093
2236	l[fptk] Prefixes	a-axis of [yo][fptk][ao][lr]	514	1731	0.000796	0.000209	31	12	19	0.000488	0.72093
2237	eda	oi4[dlrsmg | n]	784	1124	0.000796	0.000215	31	12	19	0.000488	0.72093
2238	cte4[yo]	o-axis of [yo][fptk][ao][lr]	406	764	0.000462	0.000258	18	7	11	0.000283	0.72000
2239	[dlrsmg]ai4[lr]	cse4y	875	578	0.000462	0.000129	18	7	11	0.000283	0.72000
2240	oke0-4y	[fptk]e0-4y	1314	161	0.000462	0.000323	18	7	11	0.000283	0.72000
2241	c[fptk]e4o-initial & c[fptk]e4y Superclass	o[fptk]c + e0-4dy	1659	554	0.000462	-0.000144	18	7	11	0.000283	0.72000
2242	otar variants	[q | fptk | dlrsmg] + oi0-4[lr]	345	1819	0.000462	0.000048	18	7	11	0.000283	0.72000
2243	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	otc + e0-4 + y | dy | o[dlrs]y	519	493	0.000462	0.000294	18	7	11	0.000283	0.72000
2244	ote0-4y	lc-initial	731	457	0.000462	0.000242	18	7	11	0.000283	0.72000
2245	c | c[s | fptk] + e4dy	[fptk] + c | c[s | fptk] + e4dy	1395	196	0.000462	0.000282	18	7	11	0.000283	0.72000
2246	[yo][fptk]e4o[dlrsmg]	do	924	383	0.000462	0.000229	18	7	11	0.000283	0.72000
2247	o-axis of [yo][fptk][ao][lr]	ai4[dlrsmg]	764	930	0.000462	-0.000007	18	7	11	0.000283	0.72000
2248	y + Non-[dlrs] Prefixes	edy	205	4981	0.000462	-0.000212	18	7	11	0.000283	0.72000
2249	cse4dy	oke4dy	585	933	0.001516	0.001156	59	23	36	0.000925	0.71951
2250	[yo][fptk][ao][lr]	[dlrsmg]ai4[lr]	2688	875	0.002107	0.000554	82	32	50	0.001285	0.71930
2251	[q | fptk | dlrsmg] + oi0-4[lr]	c | c[s | fptk] + e4dy	1819	1395	0.004470	0.002795	174	68	106	0.002723	0.71901
2252	oc[s | fptk]e4y	o[tk]e0-4y	319	2042	0.000591	0.000161	23	9	14	0.000360	0.71875
2253	oke0-4y	eda	1314	784	0.000591	-0.000089	23	9	14	0.000360	0.71875
2254	oa	c + c[s | fptk]e4y	321	1624	0.000591	0.000247	23	9	14	0.000360	0.71875
2255	[dlrsmg]ai4[lr]	c[s | fptk]e4dy	875	622	0.000719	0.000360	28	11	17	0.000437	0.71795
2256	ol[yoa]	y[fptk]-initial	614	1295	0.000719	0.000195	28	11	17	0.000437	0.71795
2257	oke0-4y	[q | fptk | dlrsmg] + oi0-4[lr]	1314	1819	0.001567	-0.000010	61	24	37	0.000951	0.71765
2258	c | c[s | fptk] + e4dy	oke0-4y	1395	1314	0.002415	0.001205	94	37	57	0.001464	0.71756
2259	o[fptk]ai4n	otal variants	1598	333	0.000848	0.000497	33	13	20	0.000514	0.71739
2260	oke4dy	[yo][fptk][ao][lr]	933	2688	0.002081	0.000426	81	32	49	0.001259	0.71681
2261	o[fptk]e4dy	[yo][fptk][ao][lr]	1444	2688	0.003314	0.000752	129	51	78	0.002004	0.71667
2262	ote4dy	[yo][fptk][ao][lr]	509	2688	0.001233	0.000330	48	19	29	0.000745	0.71642
2263	c | c[s | fptk] + e4dy	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1395	1421	0.001490	0.000182	58	23	35	0.000899	0.71605
2264	[dlrsmg | fptk] + ai4[dlrsmg | n]	ai4[dlrsmg | n]	3168	1519	0.004984	0.001808	194	77	117	0.003006	0.71587
2265	oi4[dlrsmg | n]	o[lr][yo]	1124	583	0.000771	0.000338	30	12	18	0.000462	0.71429
2266	o-axis of [yo][fptk][ao][lr]	o[fptk]ai4n	764	1598	0.000642	-0.000164	25	10	15	0.000385	0.71429
2267	okol variants	c | c[s | fptk] + e4dy	285	1395	0.000642	0.000380	25	10	15	0.000385	0.71429
2268	y-initial	okce0-4y	1926	338	0.000642	0.000213	25	10	15	0.000385	0.71429
2269	[yo][fptk][ao][lr]	o[fptk | dlrsmg][ao]m	2688	280	0.000642	0.000146	25	10	15	0.000385	0.71429
2270	[dlrsmg | fptk] + ai4[dlrsmg]	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	1444	445	0.000642	0.000218	25	10	15	0.000385	0.71429
2271	[fptk | dlrsmg] + c | c[s | fptk] + e4y	od endings + odcey relatives	2060	275	0.000514	0.000140	20	8	12	0.000308	0.71429
2272	o[fptk]c + e0-4or	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	135	2246	0.000514	0.000314	20	8	12	0.000308	0.71429
2273	lc-initial	ea	457	1195	0.000514	0.000153	20	8	12	0.000308	0.71429
2274	[dlrsmg]e0-4y	[dlrsmg | fptk] + oi4[dlrsmg | n]	453	809	0.000514	0.000272	20	8	12	0.000308	0.71429
2275	[yo]tai0-4n	[q | fptk | dlrsmg] + oi0-4[lr]	490	1819	0.000514	-0.000074	20	8	12	0.000308	0.71429
2276	olk	l[fptk] Prefixes	557	514	0.000514	0.000325	20	8	12	0.000308	0.71429
2277	[dlrsmg | fptk] + ai4[dlrsmg | n]	dai4m	3168	130	0.000514	0.000242	20	8	12	0.000308	0.71429
2278	edy	okam variants	4981	76	0.000514	0.000264	20	8	12	0.000308	0.71429
2279	ce4dy	ote4dy	755	509	0.000514	0.000260	20	8	12	0.000308	0.71429
2280	[yo]c[s | fptk]e4y	oke0-4y	353	1314	0.000514	0.000208	20	8	12	0.000308	0.71429
2281	[dlrsmg]ai4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4or	875	733	0.000514	0.000090	20	8	12	0.000308	0.71429
2282	[dlrsmg] + ai4r	ai4[dlrsmg | n]	190	1519	0.000514	0.000323	20	8	12	0.000308	0.71429
2283	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	oc[s | fptk]e4y	519	319	0.000385	0.000276	15	6	9	0.000231	0.71429
2284	dai4n	[yo]tai0-4n	1140	490	0.000385	0.000017	15	6	9	0.000231	0.71429
2285	ce4a	[yo]ce4y + infixed versions	1009	466	0.000385	0.000075	15	6	9	0.000231	0.71429
2286	cedai4[lrsm | n]	cse4dy	527	585	0.000385	0.000182	15	6	9	0.000231	0.71429
2287	[dlrsmg]ai4[lr]	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	875	519	0.000385	0.000086	15	6	9	0.000231	0.71429
2288	[fptk]ai4[lr]	c | c[s | fptk] + e4dy	190	1395	0.000385	0.000210	15	6	9	0.000231	0.71429
2289	[fptk | dlrsmg] + c | c[s | fptk] + e4o	y[fptk]-initial	503	1295	0.000385	-0.000045	15	6	9	0.000231	0.71429
2290	ce4dy	[dlrsmg | fptk]e0-4y	755	735	0.000385	0.000019	15	6	9	0.000231	0.71429
2291	oe sans oy + oe4y, oe0-4s	o[fptk]c + e0-4 + y | dy | o[dlrs]y	317	1421	0.000385	0.000088	15	6	9	0.000231	0.71429
2292	oke0-4y	[yo]ke4ol	1314	223	0.000385	0.000192	15	6	9	0.000231	0.71429
2293	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	[yo][fptk][ao][lr]	230	2688	0.000385	-0.000023	15	6	9	0.000231	0.71429
2294	[yo][fptk]e4o[dlrsmg]	[dlrsmg | fptk] + oi4[dlrsmg | n]	924	809	0.000385	-0.000108	15	6	9	0.000231	0.71429
2295	[yo]ke4o[dlrsmg]	[q | fptk | dlrsmg] + oi0-4[lr]	584	1819	0.000385	-0.000316	15	6	9	0.000231	0.71429
2296	[yo]ke4o[dlrsmg]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	584	503	0.000385	0.000191	15	6	9	0.000231	0.71429
2297	o[lr]y	dai4n	318	1140	0.000385	0.000146	15	6	9	0.000231	0.71429
2298	c + c[s | fptk]e4y	od endings + odcey relatives	1624	275	0.000385	0.000091	15	6	9	0.000231	0.71429

2299	c[s | fptk]e4y	otc + e0-4 + y | dy | o[dlrs]y	887	493	0.000385	0.000097	15	6	9	0.000231	0.71429
2300	or[yoa]	o[lr][yo]	438	583	0.000385	0.000217	15	6	9	0.000231	0.71429
2301	[q | fptk | dlrsmg] + oi0-4[lr]	[fptk]e0-4y	1819	161	0.000385	0.000192	15	6	9	0.000231	0.71429
2302	oi4n Superset	[fptk | dlrsmg] + c | c[s | fptk] + e4or	257	733	0.000385	0.000261	15	6	9	0.000231	0.71429
2303	[tk]e4dy	eda	309	784	0.000257	0.000097	10	4	6	0.000154	0.71429
2304	sai4n	[yo][fptk]e4o[dlrsmg]	258	924	0.000257	0.000100	10	4	6	0.000154	0.71429
2305	do	ai4[dlrsmg | n]	383	1519	0.000257	-0.000127	10	4	6	0.000154	0.71429
2306	[yo]ke4or	[fptk | dlrsmg] + c | c[s | fptk] + e4y	96	2060	0.000257	0.000126	10	4	6	0.000154	0.71429
2307	[yo]ke4or	c + c[s | fptk]e4y	96	1624	0.000257	0.000154	10	4	6	0.000154	0.71429
2308	cedai4[lrsm | n]	o[lr]a	527	469	0.000257	0.000094	10	4	6	0.000154	0.71429
2309	ek[yoa]	okal variants	446	544	0.000257	0.000097	10	4	6	0.000154	0.71429
2310	[dlrsmg | fptk] + ai4[dlrsmg]	od[ao]i0-4r	1444	215	0.000257	0.000052	10	4	6	0.000154	0.71429
2311	c + e4dy	[yo]ke4od	3053	207	0.000257	-0.000160	10	4	6	0.000154	0.71429
2312	[yo][fptk | dlrsmg] + c | cs + e4o	[fptk | dlrsmg] + c | c[s | fptk] + e4y	113	2060	0.000257	0.000103	10	4	6	0.000154	0.71429
2313	or[yoa]	Single-Letter Words	438	566	0.000257	0.000093	10	4	6	0.000154	0.71429
2314	yodai0-4n	cse4y	448	578	0.000257	0.000086	10	4	6	0.000154	0.71429
2315	edy	ceam variants	4981	76	0.000257	0.000007	10	4	6	0.000154	0.71429
2316	o[lr]a	cse4y	469	578	0.000257	0.000078	10	4	6	0.000154	0.71429
2317	c | c[s | fptk] + e4dy	te4dy	1395	91	0.000257	0.000173	10	4	6	0.000154	0.71429
2318	tc-initial	okc + e0-4 + y | dy | o[dlrs]y	345	563	0.000257	0.000129	10	4	6	0.000154	0.71429
2319	o[lr][oa]	ek[yoa]	735	446	0.000257	0.000041	10	4	6	0.000154	0.71429
2320	ol[yoa]	olk	614	557	0.000257	0.000031	10	4	6	0.000154	0.71429
2321	Detached Class Modifiers	y-initial	95	1926	0.000257	0.000136	10	4	6	0.000154	0.71429
2322	o[fptk]c + e0-4dy	otai0-4n	554	430	0.000257	0.000100	10	4	6	0.000154	0.71429
2323	ed[yoa]	opol variants	5851	25	0.000257	0.000160	10	4	6	0.000154	0.71429
2324	dai4n	ai4l	1140	306	0.000257	0.000027	10	4	6	0.000154	0.71429
2325	dai4n	cse4dy	1140	585	0.000257	-0.000183	10	4	6	0.000154	0.71429
2326	c + c[s | fptk]e4y	[yo]te4o[lr]	1624	130	0.000257	0.000118	10	4	6	0.000154	0.71429
2327	c | c[s | fptk] + e4dy	oe sans oy + oe4y, oe0-4s	1395	317	0.000257	-0.000035	10	4	6	0.000154	0.71429
2328	ol[yoa]	dc-initial	614	454	0.000257	0.000073	10	4	6	0.000154	0.71429
2329	a-axis of [yo][fptk][ao][lr]	od[ao]i0-4r	1731	215	0.000257	0.000011	10	4	6	0.000154	0.71429
2330	otc + e4or	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	58	2246	0.000257	0.000171	10	4	6	0.000154	0.71429
2331	o[lr]y	oke0-4y	318	1314	0.000257	-0.000019	10	4	6	0.000154	0.71429
2332	ol[dtk]	[yo]ke4ol	842	223	0.000257	0.000133	10	4	6	0.000154	0.71429
2333	y-initial	eka	1926	191	0.000257	0.000014	10	4	6	0.000154	0.71429
2334	cse4y	kc-initial	578	322	0.000257	0.000134	10	4	6	0.000154	0.71429
2335	cse4y	ol[yo]	578	388	0.000257	0.000109	10	4	6	0.000154	0.71429
2336	[yo]c + e4o Superclass	[yo]ke4o[dlrsmg]	345	584	0.000257	0.000124	10	4	6	0.000154	0.71429
2337	o[lr]y	okc + e0-4 + y | dy | o[dlrs]y	318	563	0.000257	0.000139	10	4	6	0.000154	0.71429
2338	o[fptk][ao]d	oda	185	847	0.000257	0.000153	10	4	6	0.000154	0.71429
2339	o[fptk]c + e0-4y	o[fptk | dlrsmg][ao]m	753	280	0.000257	0.000118	10	4	6	0.000154	0.71429
2340	[dlrsmg | fptk]e0-4y	otar variants	735	345	0.000257	0.000090	10	4	6	0.000154	0.71429
2341	[dlrsmg | fptk]e0-4y	oi	735	304	0.000257	0.000109	10	4	6	0.000154	0.71429
2342	[fptk | dlrsmg] + c | c[s | fptk] + e4y	[yo]te4o[lr]	2060	130	0.000257	0.000080	10	4	6	0.000154	0.71429
2343	oc[fptk]e4y	okal variants	289	544	0.000257	0.000153	10	4	6	0.000154	0.71429
2344	[yo]d[ao]i0-4[lr]	oi4[dlrsmg | n]	393	1124	0.000257	-0.000035	10	4	6	0.000154	0.71429
2345	[dlrsmg | fptk] + ai4[dlrsmg | n]	c | cs + e0-4l	3168	64	0.000257	0.000123	10	4	6	0.000154	0.71429
2346	[fptk][dlrs] Prefixes	ed[yoa]	34	5851	0.000257	0.000126	10	4	6	0.000154	0.71429
2347	o[fptk][ao]d	yodai0-4[lrm | n]	185	832	0.000257	0.000155	10	4	6	0.000154	0.71429
2348	o[fptk][ao]d	odai0-4[lrm | n]	185	767	0.000257	0.000163	10	4	6	0.000154	0.71429
2349	o[lr]y	[tk]c-Initial	318	667	0.000257	0.000117	10	4	6	0.000154	0.71429
2350	dc-initial	c[fptk]e4y	454	310	0.000257	0.000164	10	4	6	0.000154	0.71429
2351	[yo]te4o[dlrsmg]	[dlrsmg] + ai4[lr] + y-suffix	341	1035	0.000257	0.000024	10	4	6	0.000154	0.71429
2352	pc-initial	y-initial	307	1926	0.000257	-0.000133	10	4	6	0.000154	0.71429
2353	[yo][fptk]e4od	o[lr][oa]	355	735	0.000257	0.000085	10	4	6	0.000154	0.71429
2354	ai4n	yodai0-4n	589	448	0.000257	0.000083	10	4	6	0.000154	0.71429
2355	ai4n	[yo]d[ao]i0-4n	589	450	0.000257	0.000082	10	4	6	0.000154	0.71429
2356	cteo-initial	c[s | fptk]e4y	220	887	0.000257	0.000128	10	4	6	0.000154	0.71429
2357	odai0-4[lrm | n]	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	767	623	0.000257	-0.000058	10	4	6	0.000154	0.71429
2358	okc + e0-4 + y | dy | o[dlrs]y	do	563	383	0.000257	0.000115	10	4	6	0.000154	0.71429
2359	od endings	okc + e0-4 + y | dy | o[dlrs]y	243	563	0.000257	0.000167	10	4	6	0.000154	0.71429
2360	[fp]c-Initial	ote0-4y	387	731	0.000257	0.000070	10	4	6	0.000154	0.71429
2361	[dlrsmg | fptk]e0-4y	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	735	519	0.000257	0.000005	10	4	6	0.000154	0.71429
2362	l[fptk] Prefixes	[dlrsmg | fptk] + oi4[dlrsmg | n]	514	809	0.000257	-0.000018	10	4	6	0.000154	0.71429
2363	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	dai4m	1227	130	0.000257	0.000152	10	4	6	0.000154	0.71429
2364	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	sai4n	1227	258	0.000257	0.000048	10	4	6	0.000154	0.71429
2365	c[fptk]e4y	otc + e0-4 + y | dy | o[dlrs]y	310	493	0.000257	0.000156	10	4	6	0.000154	0.71429
2366	cean variants	c[s | fptk]e4y	255	887	0.000257	0.000108	10	4	6	0.000154	0.71429
2367	cte4y	o[tk]e0-4y	186	2042	0.000257	0.000006	10	4	6	0.000154	0.71429
2368	opc + e0-4 + y | dy | o[dlrs]y	[dlrsmg | fptk]e0-4y	302	735	0.000257	0.000110	10	4	6	0.000154	0.71429
2369	kc-initial	[dlrsmg | fptk]e0-4y	322	735	0.000257	0.000101	10	4	6	0.000154	0.71429
2370	c + e4 + [fptk] Endings	c + e4dy	60	3053	0.000257	0.000136	10	4	6	0.000154	0.71429
2371	ai4r	ote0-4y	483	731	0.000257	0.000024	10	4	6	0.000154	0.71429
2372	otol variants	[yo]d[ao]i0-4[lrm | n]	239	880	0.000257	0.000118	10	4	6	0.000154	0.71429
2373	otol variants	ote0-4y	239	731	0.000257	0.000142	10	4	6	0.000154	0.71429
2374	otol variants	oda	239	847	0.000257	0.000123	10	4	6	0.000154	0.71429
2375	otol variants	yodai0-4[lrm | n]	239	832	0.000257	0.000126	10	4	6	0.000154	0.71429
2376	c[fptk]e4o-initial & c[fptk]e4y Superclass	[yo]te4od	1659	149	0.000257	0.000094	10	4	6	0.000154	0.71429
2377	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	ceal verbs	1227	230	0.000257	0.000071	10	4	6	0.000154	0.71429
2378	o[fptk | dlrsmg][ao]m	oe0-4s	280	632	0.000257	0.000140	10	4	6	0.000154	0.71429
2379	[yo]d[ao]i0-4n	cse4y	450	578	0.000257	0.000085	10	4	6	0.000154	0.71429
2380	od[ao]i0-4[lrm | n]	[yo][fp][yoa]	813	339	0.000257	0.000075	10	4	6	0.000154	0.71429
2381	ai4[lr]	[dlrsmg]e0-4y	782	453	0.000257	0.000023	10	4	6	0.000154	0.71429
2382	ce4y	[fptk | dlrsmg] + c | c[s | fptk] + e4y	737	2060	0.001336	0.000334	52	21	31	0.000796	0.71233
2383	c[fptk]e4o-initial & c[fptk]e4y Superclass	ote0-4y	1659	731	0.000951	0.000150	37	15	22	0.000565	0.71154
2384	oe0-4s	ai4[lr]	632	782	0.000951	0.000624	37	15	22	0.000565	0.71154
2385	o[fptk]c + e0-4dy	[yo][fptk][ao][lr]	554	2688	0.001773	0.000790	69	28	41	0.001053	0.71134
2386	[yo][fptk][ao][lr]	ai4[dlrsmg]	2688	930	0.002775	0.001125	108	44	64	0.001644	0.71053
2387	[dlrsmg]ai4[lr]	cse4dy	875	585	0.000694	0.000356	27	11	16	0.000411	0.71053
2388	c[fptk]e4o-initial & c[fptk]e4y Superclass	l[fptk] Prefixes	1659	514	0.000694	0.000131	27	11	16	0.000411	0.71053
2389	a-axis of [yo][fptk][ao][lr]	ai4r	1731	483	0.001259	0.000707	49	20	29	0.000745	0.71014
2390	oi4[dlrsmg | n]	ce4y	1124	737	0.001130	0.000584	44	18	26	0.000668	0.70968
2391	oi4[dlrsmg | n]	ai4l	1124	306	0.000565	0.000338	22	9	13	0.000334	0.70968
2392	odai0-4[lrm | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	767	503	0.000565	0.000311	22	9	13	0.000334	0.70968
2393	olcey relative	oke4dy	277	933	0.000565	0.000395	22	9	13	0.000334	0.70968
2394	cear verbs	ai4[dlrsmg]	303	930	0.000565	0.000379	22	9	13	0.000334	0.70968
2395	c + c[s | fptk]e4y	[dlrsmg]e0-4y	1624	453	0.000565	0.000080	22	9	13	0.000334	0.70968
2396	[dlrsmg | fptk] + ai4n	oe0-4s	1724	632	0.000565	-0.000154	22	9	13	0.000334	0.70968
2397	dai4n	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	1140	445	0.000565	0.000230	22	9	13	0.000334	0.70968

2398	[yo][fp][yoa]	ai4[dlrsmg | n]	339	1519	0.000565	0.000225	22	9	13	0.000334	0.70968
2399	[fptk] + c | c[s | fptk] + e4dy	[yo][fptk][ao][lr]	196	2688	0.000565	0.000217	22	9	13	0.000334	0.70968
2400	c | c[fptk] + e4o	[fptk | dlrsmg] + c | c[s | fptk] + e4y	228	2060	0.000565	0.000255	22	9	13	0.000334	0.70968
2401	[dlrsmg | fptk] + ai4[dlrsmg]	dc-initial	1444	454	0.000565	0.000133	22	9	13	0.000334	0.70968
2402	yodai0-4n	y-initial	448	1926	0.000873	0.000304	34	14	20	0.000514	0.70833
2403	c | c[s | fptk] + e4dy	lc-initial	1395	457	0.000873	0.000453	34	14	20	0.000514	0.70833
2404	[yo]d[ao]i0-4n	y-initial	450	1926	0.000873	0.000301	34	14	20	0.000514	0.70833
2405	[yo]te4o[dlrsmg]	ai4[dlrsmg | n]	341	1519	0.000873	0.000532	34	14	20	0.000514	0.70833
2406	cear variants	ai4n	365	589	0.000437	0.000295	17	7	10	0.000257	0.70833
2407	oda	cse4y	847	578	0.000437	0.000114	17	7	10	0.000257	0.70833
2408	a[lr][ao][lr]	c + c[s | fptk]e4y	391	1624	0.000437	0.000018	17	7	10	0.000257	0.70833
2409	otal variants	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	333	2246	0.000437	-0.000057	17	7	10	0.000257	0.70833
2410	otal variants	cse4dy	333	585	0.000437	0.000308	17	7	10	0.000257	0.70833
2411	otal variants	c[s | fptk]e4dy	333	622	0.000437	0.000300	17	7	10	0.000257	0.70833
2412	opce0-4dy	[dlrsmg | fptk] + ai4[dlrsmg | n]	159	3168	0.000437	0.000104	17	7	10	0.000257	0.70833
2413	[yo]ke4o[dlrsmg]	ce4y	584	737	0.000437	0.000153	17	7	10	0.000257	0.70833
2414	o[lr][oa]	ce4y	735	737	0.000437	0.000079	17	7	10	0.000257	0.70833
2415	oc[s | fptk]e4y	oke0-4y	319	1314	0.000437	0.000160	17	7	10	0.000257	0.70833
2416	[yo]tai0-4n	oi4[dlrsmg | n]	490	1124	0.000437	0.000073	17	7	10	0.000257	0.70833
2417	o[fptk]ai4n	et[yoa]	1598	186	0.000437	0.000241	17	7	10	0.000257	0.70833
2418	oi	[fptk | dlrsmg] + c | c[s | fptk] + e4or	304	733	0.000437	0.000290	17	7	10	0.000257	0.70833
2419	o[fptk]e4dy	a-axis of [yo][fptk][ao][lr]	1444	1731	0.002492	0.000842	97	40	57	0.001464	0.70803
2420	a-axis of [yo][fptk][ao][lr]	ai4[dlrsmg]	1731	930	0.002055	0.000993	80	33	47	0.001207	0.70796
2421	a-axis of [yo][fptk][ao][lr]	[q | fptk | dlrsmg] + oi0-4[lr]	1731	1819	0.002055	-0.000023	80	33	47	0.001207	0.70796
2422	[yo][fptk][ao][lr]	oi4[dlrsmg | n]	2688	1124	0.002235	0.000241	87	36	51	0.001310	0.70732
2423	od[ao]i0-4n	y-initial	410	1926	0.000745	0.000224	29	12	17	0.000437	0.70732
2424	odai0-4n	y-initial	408	1926	0.000745	0.000226	29	12	17	0.000437	0.70732
2425	o[lr]y	y-initial	318	1926	0.000745	0.000341	29	12	17	0.000437	0.70732
2426	c + c[s | fptk]e4y	[fptk]ai4n	1624	191	0.000745	0.000540	29	12	17	0.000437	0.70732
2427	[fptk | dlrsmg] + c | c[s | fptk] + e4or	c + c[s | fptk]e4y	733	1624	0.001798	0.001013	70	29	41	0.001053	0.70707
2428	oi4[dlrsmg | n]	edy	1124	4981	0.003828	0.000133	149	62	87	0.002235	0.70616
2429	ote0-4y	[dlrsmg | fptk]e0-4y	731	735	0.000925	0.000570	36	15	21	0.000540	0.70588
2430	[tk]c-Initial	[fptk | dlrsmg] + c | c[s | fptk] + e4or	667	733	0.000617	0.000294	24	10	14	0.000360	0.70588
2431	ce4y	lk-initial	737	454	0.000617	0.000396	24	10	14	0.000360	0.70588
2432	ce4y	l[fptk] Prefixes	737	514	0.000617	0.000367	24	10	14	0.000360	0.70588
2433	edo	c + e4dy	90	3053	0.000617	0.000435	24	10	14	0.000360	0.70588
2434	dai4n	c[s | fptk]e4dy	1140	622	0.000308	-0.000160	12	5	7	0.000180	0.70588
2435	o[fptk]c + e0-4dy	[dlrsmg | fptk]e0-4y	554	735	0.000308	0.000040	12	5	7	0.000180	0.70588
2436	yodai0-4[lrm | n]	okc + e0-4 + y | dy | o[dlrs]y	832	563	0.000308	-0.000001	12	5	7	0.000180	0.70588
2437	ol[yo]	okal variants	388	544	0.000308	0.000169	12	5	7	0.000180	0.70588
2438	ece Noun	o[tk]e0-4y	142	2042	0.000308	0.000117	12	5	7	0.000180	0.70588
2439	[dlrsmg]e0-4y	[fptk | dlrsmg] + c | c[s | fptk] + e4or	453	733	0.000308	0.000089	12	5	7	0.000180	0.70588
2440	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	[ao][lr][ao][lr] Pipe/Flow	623	843	0.000308	-0.000038	12	5	7	0.000180	0.70588
2441	od[ao]i0-4l	[dlrsmg | fptk] + ai4[dlrsmg | n]	154	3168	0.000308	-0.000014	12	5	7	0.000180	0.70588
2442	c + e4dy	[yo][fptk]e4d	3053	60	0.000308	0.000187	12	5	7	0.000180	0.70588
2443	[fptk]ai4[dlrsmg | n]	[yo]dy endings	411	1228	0.000308	-0.000025	12	5	7	0.000180	0.70588
2444	[yo]d[ao]i0-4r	[fptk | dlrsmg] + c | c[s | fptk] + e4y	228	2060	0.000308	-0.000002	12	5	7	0.000180	0.70588
2445	oe	[yo]kai0-4n	463	1067	0.000308	-0.000018	12	5	7	0.000180	0.70588
2446	[yo][fptk]e4o[dlrsmg]	l[fptk] Prefixes	924	514	0.000308	-0.000005	12	5	7	0.000180	0.70588
2447	c | c[s | fptk] + e4dy	tc-initial	1395	345	0.000308	-0.000009	12	5	7	0.000180	0.70588
2448	ea	[yo]te4o[dlrsmg]	1195	341	0.000308	0.000039	12	5	7	0.000180	0.70588
2449	yodai0-4r	[fptk | dlrsmg] + c | c[s | fptk] + e4y	205	2060	0.000308	0.000030	12	5	7	0.000180	0.70588
2450	[yo]d[ao]i0-4[lrm | n]	okc + e0-4 + y | dy | o[dlrs]y	880	563	0.000308	-0.000019	12	5	7	0.000180	0.70588
2451	ce0-4s	ai4[dlrsmg]	165	930	0.000308	0.000207	12	5	7	0.000180	0.70588
2452	ce0-4s	ai4[lr]	165	782	0.000308	0.000223	12	5	7	0.000180	0.70588
2453	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	o[fptk]c + e0-4dy	623	554	0.000308	0.000080	12	5	7	0.000180	0.70588
2454	o[fptk]e4dy	om + o[fptk | dlrsmg]am	1444	454	0.000308	-0.000124	12	5	7	0.000180	0.70588
2455	[yo][fptk]e4o[dlrsmg]	[yo]te4o[lr]	924	130	0.000308	0.000229	12	5	7	0.000180	0.70588
2456	[dlrsmg]ai4[lr]	od[ao]i0-4[lr]	875	369	0.000308	0.000095	12	5	7	0.000180	0.70588
2457	[yo]te4od	y[fptk]-initial	149	1295	0.000308	0.000181	12	5	7	0.000180	0.70588
2458	[yo]te4o[dlrsmg]	[ao][lr][ao][lr] Pipe/Flow	341	843	0.000308	0.000119	12	5	7	0.000180	0.70588
2459	ai4[dlrsmg]	o[fptk]c + e0-4 + y | dy | o[dlrs]y	930	1421	0.000308	-0.000564	12	5	7	0.000180	0.70588
2460	o-axis of [yo][fptk][ao][lr]	oi	764	304	0.000308	0.000155	12	5	7	0.000180	0.70588
2461	otce0-4y	ote0-4y	281	731	0.000308	0.000173	12	5	7	0.000180	0.70588
2462	c | cs + e0-4s	[fptk | dlrsmg] + c | c[s | fptk] + e4y	188	2060	0.000308	0.000053	12	5	7	0.000180	0.70588
2463	odai0-4r	[fptk | dlrsmg] + c | c[s | fptk] + e4y	193	2060	0.000308	0.000046	12	5	7	0.000180	0.70588
2464	ol[yo]	[dlrsmg]ai4[lr]	388	875	0.000308	0.000084	12	5	7	0.000180	0.70588
2465	Single-Letter Words	[fptk | dlrsmg] + c | c[s | fptk] + e4or	566	733	0.000308	0.000034	12	5	7	0.000180	0.70588
2466	od[ao]i0-4r	[fptk | dlrsmg] + c | c[s | fptk] + e4y	215	2060	0.000308	0.000016	12	5	7	0.000180	0.70588
2467	[dlrsmg | fptk] + ai4n	[dlrsmg]ai4m	1724	149	0.000308	0.000139	12	5	7	0.000180	0.70588
2468	[dlrsmg] + ai4r	c | c[s | fptk] + e4dy	190	1395	0.000308	0.000133	12	5	7	0.000180	0.70588
2469	oy + oe4y	c[s | fptk]e4y	207	887	0.000308	0.000187	12	5	7	0.000180	0.70588
2470	okai0-4n	otar variants	994	345	0.000308	0.000082	12	5	7	0.000180	0.70588
2471	ai4[lr]	ote0-4y	782	731	0.000308	-0.000069	12	5	7	0.000180	0.70588
2472	[dlrsmg | fptk] + oi4[dlrsmg | n]	cear verbs	809	303	0.000308	0.000147	12	5	7	0.000180	0.70588
2473	[tk]c-Initial	cte4[yo]	667	406	0.000308	0.000130	12	5	7	0.000180	0.70588
2474	[fp]c-Initial	eda	387	784	0.000308	0.000108	12	5	7	0.000180	0.70588
2475	[yo]kai0-4n	otar variants	1067	345	0.000308	0.000065	12	5	7	0.000180	0.70588
2476	[yo]te4od	[yo][fptk][ao][lr]	149	2688	0.000308	0.000044	12	5	7	0.000180	0.70588
2477	od[ao]i0-4n	o[fptk]c + e0-4y	410	753	0.000308	0.000105	12	5	7	0.000180	0.70588
2478	odai0-4n	o[fptk]c + e0-4y	408	753	0.000308	0.000106	12	5	7	0.000180	0.70588
2479	[fp]c-Initial	o[lr][yoa]	387	1044	0.000308	0.000042	12	5	7	0.000180	0.70588
2480	ce4dy	[tk]c-Initial	755	667	0.000308	-0.000024	12	5	7	0.000180	0.70588
2481	okce0-4y	a-axis of [yo][fptk][ao][lr]	338	1731	0.000308	-0.000078	12	5	7	0.000180	0.70588
2482	odai0-4[lrm | n]	okc + e0-4 + y | dy | o[dlrs]y	767	563	0.000308	0.000023	12	5	7	0.000180	0.70588
2483	ai4n	ai4l	589	306	0.000308	0.000189	12	5	7	0.000180	0.70588
2484	c[fptk]e4y	o-axis of [yo][fptk][ao][lr]	310	764	0.000308	0.000152	12	5	7	0.000180	0.70588
2485	[sr]c-Initial	[dlrsmg | fptk] + ai4[dlrsmg]	179	1444	0.000308	0.000138	12	5	7	0.000180	0.70588
2486	om + o[fptk | dlrsmg]am	so	454	378	0.000308	0.000195	12	5	7	0.000180	0.70588
2487	lk-initial	okar variants	454	493	0.000308	0.000161	12	5	7	0.000180	0.70588
2488	od[ao]i0-4[lrm | n]	okc + e0-4 + y | dy | o[dlrs]y	813	563	0.000308	0.000006	12	5	7	0.000180	0.70588
2489	okal variants	ce4y	544	737	0.000308	0.000044	12	5	7	0.000180	0.70588
2490	do	[yo]d[ao]i0-4[lrm | n]	383	880	0.000308	0.000086	12	5	7	0.000180	0.70588
2491	o[tk]e0-4y	[q | fptk | dlrsmg] + oi0-4[lr]	2042	1819	0.002209	-0.000242	86	36	50	0.001285	0.70492
2492	c[s | fptk]e4y	oke0-4y	887	1314	0.001285	0.000515	50	21	29	0.000745	0.70423
2493	okal variants	[dlrsmg | fptk] + ai4[dlrsmg]	544	1444	0.000976	0.000458	38	16	22	0.000565	0.70370
2494	o[fptk]c + e0-4 + y | dy | o[dlrs]y	okal variants	1421	544	0.000488	-0.000022	19	8	11	0.000283	0.70370
2495	[fptk | dlrsmg] + c | c[s | fptk] + e4y	od endings	2060	243	0.000488	0.000158	19	8	11	0.000283	0.70370
2496	[tk]c-Initial	ce4a	667	1009	0.000488	0.000044	19	8	11	0.000283	0.70370
2497	ai4[lr]	Single-Letter Words	782	566	0.000488	0.000196	19	8	11	0.000283	0.70370
2498	otar variants	ai4r	345	483	0.000488	0.000378	19	8	11	0.000283	0.70370

2499	oke0-4y	[dlrsmg]e0-4y	1314	453	0.000488	0.000095	19	8	11	0.000283	0.70370
2500	[fptk | dlrsmg] + c | c[s | fptk] + e4y	lc-initial	2060	457	0.001156	0.000535	45	19	26	0.000668	0.70313
2501	[dlrsmg | fptk] + ai4[dlrsmg | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	3168	445	0.001336	0.000405	52	22	30	0.000771	0.70270
2502	lk-initial	a-axis of [yo][fptk][ao][lr]	454	1731	0.000668	0.000149	26	11	15	0.000385	0.70270
2503	od[ao]i0-4[lrm | n]	[fptk | dlrsmg] + c | c[s | fptk] + e4o	813	503	0.000668	0.000398	26	11	15	0.000385	0.70270
2504	[tk]e4o	ed[yoa]	206	5851	0.000668	-0.000128	26	11	15	0.000385	0.70270
2505	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	[dlrsmg | fptk]e0-4y	1227	735	0.000848	0.000253	33	14	19	0.000488	0.70213
2506	[dlrsmg | fptk]e0-4y	[dlrsmg | fptk] + oi4[dlrsmg | n]	735	809	0.000848	0.000455	33	14	19	0.000488	0.70213
2507	oke0-4y	[dlrsmg | fptk] + oi4[dlrsmg | n]	1314	809	0.001028	0.000326	40	17	23	0.000591	0.70175
2508	o[tk]e0-4y	[dlrsmg]e0-4y	2042	453	0.001028	0.000417	40	17	23	0.000591	0.70175
2509	[q | fptk | dlrsmg] + oi0-4[lr]	ai4[dlrsmg | n]	1819	1519	0.004650	0.002826	181	77	104	0.002672	0.70155
2510	okar variants	ai4[dlrsmg | n]	493	1519	0.001207	0.000713	47	20	27	0.000694	0.70149
2511	[fptk | dlrsmg] + c | c[s | fptk] + e4y	kc-initial	2060	322	0.001207	0.000770	47	20	27	0.000694	0.70149
2512	[dlrsmg | fptk] + ai4[dlrsmg | n]	ai4[dlrsmg]	3168	930	0.003494	0.001549	136	58	78	0.002004	0.70103
2513	o[fptk]ai4n	oi4[dlrsmg | n]	1598	1124	0.001747	0.000561	68	29	39	0.001002	0.70103

Table 25.8: Leading Adjacency Prohibitions in Herbal → Balneological Category Order

#	Category 1	Category 2	Word Count 1	Word Count 2	Expected Count	Expected Probability
1	c[fptk]e4y	c | c[s | fptk] + e4dy	310	1395	11.110	0.000285
2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	dairol/soral relatives	2246	190	10.963	0.000282
3	otc + e4ol	ed[yoa]	66	5851	9.921	0.000255
4	cte4[yo]	oke4dy	406	933	9.732	0.000250
5	dai4n	[tk]e4dy	1140	309	9.050	0.000233
6	otc + e4or	ed[yoa]	58	5851	8.718	0.000224
7	c | c[fptk] + e4o	o[fptk]e4dy	228	1444	8.458	0.000217
8	otc + e4ol	edy	66	4981	8.446	0.000217
9	cteo-initial	o[fptk]e4dy	220	1444	8.162	0.000210
10	Single-Letter Words	okal variants	566	544	7.910	0.000203
11	c | c[fptk] + e4o	oke0-4y	228	1314	7.697	0.000198
12	cke4[yo]	a-axis of [yo][fptk][ao][lr]	172	1731	7.649	0.000197
13	cean verbs	c | c[s | fptk] + e4dy	213	1395	7.634	0.000196
14	cse4o	[dlrsmg | fptk] + ai4[dlrsmg]	205	1444	7.605	0.000195
15	[fptk | dlrsmg] + c | c[s | fptk] + e4o	cse4dy	503	585	7.560	0.000194
16	om	o[fptk]e4dy	203	1444	7.531	0.000193
17	c[fptk]e4y	oke4dy	310	933	7.431	0.000191
18	otc + e4or	edy	58	4981	7.422	0.000191
19	Single-Letter Words	ote4dy	566	509	7.401	0.000190
20	odo	edy	57	4981	7.294	0.000187
21	[yo]d[ao]i0-4[lrm | n]	[tk]e4dy	880	309	6.986	0.000179
22	oda	[tk]e4dy	847	309	6.724	0.000173
23	[yo]c + e4o Superclass	ce4dy	345	755	6.692	0.000172
24	cte4y	c | c[s | fptk] + e4dy	186	1395	6.666	0.000171
25	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	o[lr][yo]	445	583	6.665	0.000171
26	yodai0-4[lrm | n]	[tk]e4dy	832	309	6.605	0.000170
27	cte4[yo]	c[s | fptk]e4dy	406	622	6.488	0.000167
28	od[ao]i0-4[lrm | n]	[tk]e4dy	813	309	6.454	0.000166
29	cke4[yo]	o[fptk]e4dy	172	1444	6.381	0.000164
30	dai4n	ke4dy	1140	217	6.355	0.000163
31	[yo]dy endings	or[yo]	1228	200	6.310	0.000162
32	[yo]ce4y + s infixes	c | c[s | fptk] + e4dy	172	1395	6.164	0.000158
33	[fptk | dlrsmg] + c | c[s | fptk] + e4or	[dlrsmg] + c | c[s | fptk] + e4dy	733	327	6.158	0.000158
34	[yo]doi0-4[lrm | n]	edy	48	4981	6.142	0.000158
35	cte4[yo]	cse4dy	406	585	6.102	0.000157
36	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	lc-initial	519	457	6.093	0.000157
37	odai0-4[lrm | n]	[tk]e4dy	767	309	6.089	0.000156
38	otce0-4y	ol[dtk]	281	842	6.079	0.000156
39	c[fptk]e4y	ce4dy	310	755	6.013	0.000154
40	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	dairol/soral relatives	1227	190	5.989	0.000154
41	ce4o	o[fptk]e4dy	160	1444	5.936	0.000152
42	otor variants	o[tk]e0-4y	113	2042	5.928	0.000152
43	oi	ce4dy	304	755	5.897	0.000151
44	[fptk | dlrsmg] + c | c[s | fptk] + e4os	[dlrsmg | fptk] + ai4[dlrsmg]	158	1444	5.861	0.000151
45	[fptk | dlrsmg] + c | c[s | fptk] + e4or	[tk]e4dy	733	309	5.819	0.000149
46	cte4[yo]	olk	406	557	5.810	0.000149
47	okc + e0-4 + y | dy | o[dlrs]y	ol[oa]	563	401	5.800	0.000149
48	cte4[yo]	o[fptk]c + e0-4dy	406	554	5.779	0.000148
49	[fptk]e0-4y	c | c[s | fptk] + e4dy	161	1395	5.770	0.000148
50	[yo]doi0-4[lr]	edy	45	4981	5.759	0.000148
51	o[fptk]c + e0-4ol	c | c[s | fptk] + e4dy	159	1395	5.698	0.000146
52	y-initial	et[yo]	1926	115	5.690	0.000146
53	[yo]c[s | fptk]e4y	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	353	623	5.650	0.000145
54	oce4y + infixed versions	cse4y	379	578	5.628	0.000145
55	c | c[fptk] + e4o	oke4dy	228	933	5.465	0.000140
56	[yo]d[ao]i0-4r	oke4dy	228	933	5.465	0.000140
57	cse4o	[dlrsmg] + ai4[lr] + y-suffix	205	1035	5.451	0.000140
58	Suspected Errata/Difficult to Categorize	ed[yoa]	36	5851	5.411	0.000139
59	oe0-4s	otal variants	632	333	5.407	0.000139
60	ce4o	oke0-4y	160	1314	5.401	0.000139
61	okce0-4y	ol[yoa]	338	614	5.332	0.000137
62	oe0-4s	[dlrsmg] + c | c[s | fptk] + e4dy	632	327	5.309	0.000136
63	[yo]d[ao]i0-4n	lc-initial	450	457	5.283	0.000136
64	cteo-initial	oke4dy	220	933	5.273	0.000135
65	yodai0-4n	lc-initial	448	457	5.260	0.000135
66	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	a[dlrsmg]c	2246	91	5.251	0.000135
67	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	lc-initial	445	457	5.225	0.000134
68	otc + e4ol	c + e4dy	66	3053	5.177	0.000133
69	od[ao]i0-4r	oke4dy	215	933	5.154	0.000132
70	yc + e4ol	ed[yoa]	34	5851	5.111	0.000131
71	oc[s | fptk]e4y	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	319	623	5.106	0.000131
72	[dlrsmg | fptk] + ai4n	rai4n	1724	115	5.094	0.000131
73	y-initial	oro	1926	102	5.047	0.000130
74	[yo][fptk | dlrsmg] + c | cs + e4o	a-axis of [yo][fptk][ao][lr]	113	1731	5.025	0.000129
75	oe0-4s	[tk]e4dy	632	309	5.017	0.000129

Table 25.9: Leading Adjacency Prohibitions in Balneological → Herbal Category Order

#	Category 1	Category 2	Word Count 1	Word Count 2	Expected Count	Expected Probability
1	edy	cean verbs	4981	213	27.257	0.000700
2	edy	cke4[yo]	4981	172	22.010	0.000565
3	c + e4dy	cean variants	3053	255	20.001	0.000514
4	[yo]kai0-4n	[tk]c-Initial	1067	667	18.284	0.000470
5	c + e4dy	cteo-initial	3053	220	17.256	0.000443
6	okai0-4n	[tk]c-Initial	994	667	17.033	0.000438
7	c + e4dy	cean verbs	3053	213	16.707	0.000429
8	c[s | fptk]e4dy	ce4a	622	1009	16.124	0.000414
9	cse4dy	ce4a	585	1009	15.165	0.000390
10	o[fptk]e4dy	cear variants	1444	365	13.541	0.000348
11	c + e4dy	cke4[yo]	3053	172	13.491	0.000347
12	o[fptk]c + e0-4dy	c[s | fptk]e4y	554	887	12.625	0.000324
13	[yo]kai0-4n	dc-initial	1067	454	12.445	0.000320
14	edy	cke4y	4981	93	11.901	0.000306
15	ed[yoa]	ckeo-initial	5851	79	11.875	0.000305
16	okai0-4n	dc-initial	994	454	11.594	0.000298
17	o[fptk]e4dy	cear verbs	1444	303	11.241	0.000289
18	[q | fptk | dlrsmg] + oi0-4[lr]	cteo-initial	1819	220	10.281	0.000264
19	edy	ckeo-initial	4981	79	10.109	0.000260
20	oke4dy	cte4[yo]	933	406	9.732	0.000250
21	ote4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4or	509	733	9.585	0.000246
22	[yo]kai0-4n	tc-initial	1067	345	9.457	0.000243
23	c | c[s | fptk] + e4dy	cean variants	1395	255	9.139	0.000235
24	[yo]kai0-4n	kc-initial	1067	322	8.827	0.000227
25	okai0-4n	tc-initial	994	345	8.810	0.000226
26	oke4dy	cear variants	933	365	8.749	0.000225
27	cse4dy	Single-Letter Words	585	566	8.507	0.000219
28	o[fptk]ai4n	oy + oe4y	1598	207	8.498	0.000218
29	ol[dtk]	[fp]c-Initial	842	387	8.372	0.000215
30	a-axis of [yo][fptk][ao][lr]	cte4y	1731	186	8.272	0.000213
31	oke4dy	[yo]c + e4o Superclass	933	345	8.270	0.000212
32	okai0-4n	kc-initial	994	322	8.223	0.000211
33	o[fptk]e4dy	cteo-initial	1444	220	8.162	0.000210
34	ed[yoa]	okc + e4or	5851	54	8.117	0.000209
35	o[fptk]e4dy	cean verbs	1444	213	7.902	0.000203
36	c | c[s | fptk] + e4dy	cteo-initial	1395	220	7.885	0.000203
37	[yo]kai0-4n	okol variants	1067	285	7.813	0.000201
38	c | c[s | fptk] + e4dy	cean verbs	1395	213	7.634	0.000196
39	o[fptk]e4dy	cse4o	1444	205	7.605	0.000195
40	o[fptk]e4dy	y + Non-[dlrs] Prefixes	1444	205	7.605	0.000195
41	[dlrsmg] + c | c[s | fptk] + e4dy	c[s | fptk]e4y	327	887	7.452	0.000191
42	oke4dy	c[fptk]e4y	933	310	7.431	0.000191
43	ed[yoa]	okc + e4o	5851	49	7.366	0.000189
44	o[fptk]ai4n	ko	1598	179	7.349	0.000189
45	c | c[s | fptk] + e4dy	cse4o	1395	205	7.347	0.000189
46	c + e4dy	cke4y	3053	93	7.294	0.000187
47	okai0-4n	okol variants	994	285	7.278	0.000187
48	c | c[s | fptk] + e4dy	om	1395	203	7.275	0.000187
49	oke4dy	cear verbs	933	303	7.263	0.000187
50	a-axis of [yo][fptk][ao][lr]	[fptk]e0-4y	1731	161	7.160	0.000184
51	c[s | fptk]e4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	622	445	7.111	0.000183
52	edy	okc + e4or	4981	54	6.910	0.000178
53	cse4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	585	445	6.688	0.000172
54	ol[dtk]	pc-initial	842	307	6.641	0.000171
55	opce0-4dy	c + c[s | fptk]e4y	159	1624	6.634	0.000170
56	oke4dy	od endings + odcey relatives	933	275	6.592	0.000169
57	c + e4dy	c[fp]e4y + added c-sequences & cfeo-Initial	3053	84	6.589	0.000169
58	ote4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4o	509	503	6.578	0.000169
59	o[fptk]e4dy	cke4[yo]	1444	172	6.381	0.000164
60	oi4[dlrsmg | n]	cteo-initial	1124	220	6.353	0.000163
61	[yo]c + e4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	110	2246	6.347	0.000163
62	edy	okc + e4o	4981	49	6.270	0.000161
63	[q | fptk | dlrsmg] + oi0-4[lr]	oo + oe4o	1819	133	6.215	0.000160
64	c + e4dy	ckeo-initial	3053	79	6.196	0.000159
65	ol[tk]	[fp]c-Initial	621	387	6.174	0.000159
66	c | c[s | fptk] + e4dy	cke4[yo]	1395	172	6.164	0.000158
67	[dlrsmg] + c | c[s | fptk] + e4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4or	327	733	6.158	0.000158
68	ote4dy	[yo]ce4y + infixed versions	509	466	6.094	0.000157
69	lc-initial	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	457	519	6.093	0.000157
70	okce0-4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	188	1227	5.926	0.000152
71	c[s | fptk]e4dy	cear variants	622	365	5.833	0.000150
72	oke4dy	od endings	933	243	5.825	0.000150
73	o[tk]e0-4y	opce0-4y	2042	111	5.823	0.000150
74	o[fptk]ai4n	oy	1598	141	5.789	0.000149
75	o[fptk]c + e0-4dy	cte4[yo]	554	406	5.779	0.000148
76	ed[yoa]	ceal nouns	5851	38	5.712	0.000147
77	[yo]kai0-4n	oy + oe4y	1067	207	5.674	0.000146
78	olk	[fp]c-Initial	557	387	5.538	0.000142
79	cse4dy	cear variants	585	365	5.486	0.000141
80	c + e4dy	c[fp]e4y + added c-sequences	3053	69	5.412	0.000139
81	okal variants	[fp]c-Initial	544	387	5.409	0.000139
82	lc-initial	[dlrsmg]e0-4y	457	453	5.319	0.000137
83	okai0-4n	oy + oe4y	994	207	5.286	0.000136
84	[q | fptk | dlrsmg] + oi0-4[lr]	[yo][fptk | dlrsmg] + c | cs + e4o	1819	113	5.281	0.000136
85	oke4dy	cteo-initial	933	220	5.273	0.000135
86	ce4dy	ce4ai4n	755	271	5.257	0.000135
87	olcey relative	[dlrsmg | fptk]e0-4y	277	735	5.231	0.000134
88	lc-initial	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	457	445	5.225	0.000134
89	[ao][lr][ao][lr] Pipe/Flow	otol variants	843	239	5.176	0.000133
90	ol[yo]	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	388	519	5.173	0.000133
91	ed[yoa]	od[ao]i0-4m	5851	34	5.111	0.000131
92	ed[yoa]	odcey relatives	5851	34	5.111	0.000131
93	oke4dy	cean verbs	933	213	5.106	0.000131
94	[dlrsmg | fptk] + ai4[dlrsmg]	ke4o	1444	137	5.082	0.000131
95	ol[tk]	ol[ds]	621	315	5.026	0.000129
96	[tk]e4dy	oe0-4s	309	632	5.017	0.000129

Table 25.10: Leading Adjacency Prohibitions Apart from Herbal-Balneological Category Pairs

#	Category1	Category2	Word Count 1	Word Count 2	Expected Count	Expected Probability
1	ce4y	c | c[s | fptk] + e4dy	737	1395	26.413	0.000679
2	ce4y	ce4dy	737	755	14.295	0.000367
3	oke4dy	ai4n	933	589	14.118	0.000363
4	[yo]c[s | fptk]e4y	ai4[dlrsmg | n]	353	1519	13.776	0.000354
5	[dlrsmg | fptk] + ai4n	pc-initial	1724	307	13.597	0.000349
6	[fptk | dlrsmg] + c | c[s | fptk] + e4os	[dlrsmg | fptk] + ai4[dlrsmg | n]	158	3168	12.860	0.000330
7	[yo]kai0-4n	lc-initial	1067	457	12.527	0.000322
8	oc[s | fptk]e4y	ai4[dlrsmg | n]	319	1519	12.449	0.000320
9	o[lr]y	ai4[dlrsmg | n]	318	1519	12.410	0.000319
10	ce4y	c[s | fptk]e4dy	737	622	11.777	0.000303
11	okai0-4n	lc-initial	994	457	11.670	0.000300
12	[yo]c[fptk]e4y	ai4[dlrsmg | n]	294	1519	11.473	0.000295
13	o[fptk]c + e0-4y	ai4n	753	589	11.394	0.000293
14	oc[fptk]e4y	ai4[dlrsmg | n]	289	1519	11.278	0.000290
15	[dlrsmg | fptk] + ai4[dlrsmg | n]	ke4o	3168	137	11.150	0.000286
16	[dlrsmg | fptk]e0-4y	ai4n	735	589	11.122	0.000286
17	[yo][fptk][ao][lr]	[fptk]e0-4y	2688	161	11.118	0.000286
18	ce4y	cse4dy	737	585	11.077	0.000285
19	otce0-4y	ai4[dlrsmg | n]	281	1519	10.966	0.000282
20	olcey relative	ai4[dlrsmg | n]	277	1519	10.810	0.000278
21	oke0-4y	ai4l	1314	306	10.330	0.000265
22	[dlrsmg | fptk] + ai4n	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	1724	230	10.187	0.000262
23	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	o[tk]e0-4y	186	2042	9.758	0.000251
24	cte4[yo]	ai4[dlrsmg]	406	930	9.700	0.000249
25	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	ai4n	623	589	9.427	0.000242
26	c[s | fptk]e4dy	ai4n	622	589	9.412	0.000242
27	oi4[dlrsmg | n]	[yo][fptk]e4ol	1124	322	9.298	0.000239
28	om + o[fptk | dlrsmg]am	ai4[lr]	454	782	9.121	0.000234
29	otce0-4dy	[fptk | dlrsmg] + c | c[s | fptk] + e4y	172	2060	9.103	0.000234
30	[yo]te4os	ed[yoa]	60	5851	9.019	0.000232
31	dai4n	pc-initial	1140	307	8.991	0.000231
32	[yo]kai0-4n	[dlrsmg] + c | c[s | fptk] + e4dy	1067	327	8.964	0.000230
33	cse4dy	ai4n	585	589	8.852	0.000227
34	cse4y	ai4n	578	589	8.746	0.000225
35	oly	ai4[dlrsmg | n]	222	1519	8.664	0.000223
36	okc + e0-4 + y | dy | o[dlrs]y	ai4n	563	589	8.519	0.000219
37	[dlrsmg | fptk] + ai4n	[fptk]ai4n	1724	191	8.460	0.000217
38	okar variants	[tk]c-Initial	493	667	8.448	0.000217
39	[yo]c[s | fptk]e4y	ai4[dlrsmg]	353	930	8.434	0.000217
40	okai0-4n	[dlrsmg] + c | c[s | fptk] + e4dy	994	327	8.351	0.000215
41	o[fptk]e4os	c + e4dy	106	3053	8.314	0.000214
42	[yo]ke4o[dlrsmg]	o[fptk]c + e0-4dy	584	554	8.312	0.000214
43	[dlrsmg | fptk] + ai4n	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	1724	186	8.238	0.000212
44	o[fptk]c + e0-4dy	cse4y	554	578	8.227	0.000211
45	cte4[yo]	ai4[lr]	406	782	8.157	0.000210
46	o-axis of [yo][fptk][ao][lr]	[fptk]ai4[dlrsmg | n]	764	411	8.067	0.000207
47	y + Non-[dlrs] Prefixes	ai4[dlrsmg | n]	205	1519	8.000	0.000206
48	Consonant Clusters	[yo][fptk][ao][lr]	115	2688	7.942	0.000204
49	or[yo]	ai4[dlrsmg | n]	200	1519	7.805	0.000201
50	cse4dy	l[fptk] Prefixes	585	514	7.725	0.000198
51	[yo]te4os	edy	60	4981	7.678	0.000197
52	[fptk] + c | c[s | fptk] + e4dy	ai4[dlrsmg | n]	196	1519	7.649	0.000197
53	oc[s | fptk]e4y	ai4[dlrsmg]	319	930	7.622	0.000196
54	o[lr]y	ai4[dlrsmg]	318	930	7.598	0.000195
55	otc + e0-4 + y | dy | o[dlrs]y	ai4n	493	589	7.460	0.000192
56	c[fptk]e4y	ai4[dlrsmg]	310	930	7.407	0.000190
57	[yo]pa	o[tk]e0-4y	141	2042	7.397	0.000190
58	[dlrsmg | fptk] + oi4[dlrsmg | n]	[yo][fptk]e4od	809	355	7.378	0.000190
59	okce0-4dy	ai4[dlrsmg | n]	188	1519	7.337	0.000188
60	[tk]e4dy	[yo][fptk]e4o[dlrsmg]	309	924	7.335	0.000188
61	[yo][fptk]e4o[dlrsmg]	pc-initial	924	307	7.288	0.000187
62	otce0-4dy	c + c[s | fptk]e4y	172	1624	7.176	0.000184
63	[yo][fptk]e4o[dlrsmg]	opc + e0-4 + y | dy | o[dlrs]y	924	302	7.169	0.000184
64	[dlrsmg | fptk] + ai4n	[fptk]e0-4y	1724	161	7.131	0.000183
65	[yo]c[s | fptk]e4y	ai4[lr]	353	782	7.092	0.000182
66	[yo]c[fptk]e4y	ai4[dlrsmg]	294	930	7.024	0.000180
67	[fptk | dlrsmg] + c | c[s | fptk] + e4os	[dlrsmg | fptk] + ai4n	158	1724	6.998	0.000180
68	c[s | fptk]e4y	ai4l	887	306	6.973	0.000179
69	oc[fptk]e4y	ai4[dlrsmg]	289	930	6.905	0.000177
70	o[fptk]c + e0-4dy	ai4r	554	483	6.874	0.000177
71	ai4n	dc-initial	589	454	6.870	0.000176
72	[dlrsmg]e0-4y	ai4n	453	589	6.855	0.000176
73	l[fptk] Prefixes	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	514	519	6.854	0.000176
74	cse4dy	lk-initial	585	454	6.823	0.000175
75	dai4n	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	1140	230	6.736	0.000173
76	otce0-4y	ai4[dlrsmg]	281	930	6.714	0.000172
77	o[fptk | dlrsmg][ao]m	ai4[dlrsmg]	280	930	6.690	0.000172
78	ola	dai4n	228	1140	6.678	0.000172
79	oe0-4s	[fptk]ai4[dlrsmg | n]	632	411	6.673	0.000171
80	olcey relative	ai4[dlrsmg]	277	930	6.618	0.000170
81	otar variants	[fptk | dlrsmg] + c | c[s | fptk] + e4or	345	733	6.497	0.000167
82	oi4[dlrsmg | n]	[yo]ke4ol	1124	223	6.440	0.000165
83	[yo]d[ao]i0-4l	ai4[dlrsmg | n]	165	1519	6.439	0.000165
84	[yo][fptk]e4o[dlrsmg]	ce4ai4n	924	271	6.433	0.000165
85	o[fptk] endings	[dlrsmg | fptk] + ai4[dlrsmg | n]	79	3168	6.430	0.000165
86	ce4y	[yo][fp][yoa]	737	339	6.419	0.000165
87	oc[s | fptk]e4y	ai4[lr]	319	782	6.409	0.000165
88	o[lr]y	ai4[lr]	318	782	6.389	0.000164
89	[dlrsmg | fptk] + ai4n	yodai0-4l	1724	143	6.334	0.000163
90	ocke4y	ai4[dlrsmg | n]	162	1519	6.322	0.000162
91	yodai0-4r	ea	205	1195	6.294	0.000162
92	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	oke0-4y	186	1314	6.279	0.000161
93	oy	[dlrsmg | fptk] + ai4n	141	1724	6.245	0.000160
94	c[fptk]e4y	ai4[lr]	310	782	6.228	0.000160
95	o[lr][yoa]	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	1044	230	6.169	0.000158
96	otc + e0-4 + y | dy | o[dlrs]y	ai4r	493	483	6.118	0.000157
97	[dlrsmg | fptk] + ai4n	ke4o	1724	137	6.068	0.000156
98	oy + oe4y	dai4n	207	1140	6.063	0.000156
99	oa	[dlrsmg | fptk]e0-4y	321	735	6.061	0.000156
100	lk-initial	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	454	519	6.053	0.000156
101	[yo][fptk]e4o[dlrsmg]	cean variants	924	255	6.053	0.000156

102	o[fptk]e4dy	ocke4y	1444	162	6.010	0.000154
103	od[ao]i0-4l	ai4[dlrsmg | n]	154	1519	6.010	0.000154
104	om + o[fptk | dlrsmg]am	l[fptk] Prefixes	454	514	5.995	0.000154
105	oe sans oy + oe4y, oe0-4s	[dlrsmg | fptk]e0-4y	317	735	5.986	0.000154
106	[yo]ke4od	oi4[dlrsmg | n]	207	1124	5.977	0.000154
107	ce4dy	ai4l	755	306	5.935	0.000152
108	odai0-4r	ea	193	1195	5.925	0.000152
109	otar variants	[tk]c-Initial	345	667	5.912	0.000152
110	ola	ce4a	228	1009	5.910	0.000152
111	[yo]c[fptk]e4y	ai4[lr]	294	782	5.907	0.000152
112	Single-Letter Words	cte4[yo]	566	406	5.904	0.000152
113	[dlrsmg | fptk] + oi4[dlrsmg | n]	[yo][fptk]e4od + y	809	284	5.903	0.000152
114	[dlrsmg | fptk] + ai4n	odai0-4l	1724	133	5.891	0.000151
115	l[fptk] Prefixes	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	514	445	5.876	0.000151
116	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	[yo]dy endings	186	1228	5.868	0.000151
117	ke4dy	o[lr][yoa]	217	1044	5.820	0.000150
118	[yo][fp][yoa]	[tk]c-Initial	339	667	5.809	0.000149
119	[yo]ke4o[dlrsmg]	[fp]c-Initial	584	387	5.806	0.000149
120	cse4y	a[lr][ao][lr]	578	391	5.806	0.000149
121	oc[fptk]e4y	ai4[lr]	289	782	5.806	0.000149
122	pc-initial	[dlrsmg | fptk]e0-4y	307	735	5.797	0.000149
123	[dlrsmg | fptk]e0-4y	ai4l	735	306	5.778	0.000148
124	okar variants	dc-initial	493	454	5.750	0.000148
125	oce4y + infixed versions	ai4n	379	589	5.735	0.000147
126	opc + e0-4 + y | dy | o[dlrs]y	ce4y	302	737	5.718	0.000147
127	ceckey relatives	ai4n	377	589	5.705	0.000147
128	opc + e0-4 + y | dy | o[dlrs]y	[fptk | dlrsmg] + c | c[s | fptk] + e4or	302	733	5.687	0.000146
129	ece polygraph	ce4a	219	1009	5.677	0.000146
130	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	okai0-4n	222	994	5.669	0.000146
131	otce0-4y	ai4[lr]	281	782	5.645	0.000145
132	om + o[fptk | dlrsmg]am	ai4r	454	483	5.634	0.000145
133	[fp]c-Initial	Single-Letter Words	387	566	5.627	0.000145
134	o[fptk | dlrsmg][ao]m	ai4[lr]	280	782	5.625	0.000145
135	dai4n	[fptk]ai4n	1140	191	5.594	0.000144
136	yodai0-4l	ai4[dlrsmg | n]	143	1519	5.581	0.000143
137	olcey relative	ai4[lr]	277	782	5.565	0.000143
138	[yo][fptk][ao][lr]	l-prefix + [fptk]e0-4y	2688	80	5.525	0.000142
139	dl Consonant clusters	[yo][fptk][ao][lr]	79	2688	5.456	0.000140
140	dai4n	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	1140	186	5.448	0.000140
141	ol[tk]	[yo]te4o[dlrsmg]	621	341	5.440	0.000140
142	oi4[dlrsmg | n]	okce0-4dy	1124	188	5.429	0.000139
143	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	[yo][fp][yoa]	623	339	5.426	0.000139
144	[yo][fp][yoa]	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	339	623	5.426	0.000139
145	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	[yo]ce4y + s infixes	1227	172	5.422	0.000139
146	oe	[dlrsmg]e0-4y	463	453	5.388	0.000138
147	olcey relatives (non -edy)	ai4[dlrsmg | n]	138	1519	5.385	0.000138
148	osa	[dlrsmg | fptk] + ai4[dlrsmg | n]	66	3168	5.372	0.000138
149	[yo]ke4od	ce4a	207	1009	5.366	0.000138
150	l[fptk] Prefixes	cte4[yo]	514	406	5.361	0.000138
151	[yo]c[s | fptk]e4y	ai4n	353	589	5.342	0.000137
152	[yo]ke4ol	ai4[dlrsmg]	223	930	5.328	0.000137
153	yodai0-4r	ce4a	205	1009	5.314	0.000137
154	oly	ai4[dlrsmg]	222	930	5.304	0.000136
155	om + o[fptk | dlrsmg]am	lk-initial	454	454	5.295	0.000136
156	cteo-initial	ai4[dlrsmg]	220	930	5.256	0.000135
157	otal variants	ol[yoa]	333	614	5.253	0.000135
158	[yo][fptk][ao][lr]	rc-initial	2688	76	5.248	0.000135
159	ai4n	tc-initial	589	345	5.221	0.000134
160	lk-initial	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	454	445	5.190	0.000133
161	odai0-4l	ai4[dlrsmg | n]	133	1519	5.190	0.000133
162	osa	c + e4dy	66	3053	5.177	0.000133
163	cedar variants	dai4n	176	1140	5.155	0.000132
164	ke4dy	[yo][fptk]e4o[dlrsmg]	217	924	5.151	0.000132
165	oc[fpt]e4y	ai4[dlrsmg | n]	132	1519	5.151	0.000132
166	okar variants	cte4[yo]	493	406	5.142	0.000132
167	okc + e0-4 + y | dy | o[dlrs]y	[yo][fptk]e4od	563	355	5.135	0.000132
168	c[s | fptk]e4dy	oa	622	321	5.130	0.000132
169	okce0-4y	ai4n	338	589	5.115	0.000131
170	Consonant Clusters	a-axis of [yo][fptk][ao][lr]	115	1731	5.114	0.000131
171	ed[yoa]	yc[s | fptk]e4y	5851	34	5.111	0.000131
172	yc[s | fptk]e4y	ed[yoa]	34	5851	5.111	0.000131
173	ed[yoa]	ol + c | cs + e4o[lr]	5851	34	5.111	0.000131
174	or[yoa]	lk-initial	438	454	5.109	0.000131
175	[yo]ke4o[lr]	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	319	623	5.106	0.000131
176	o[lr]y	c[s | fptk]e4dy	318	622	5.082	0.000131
177	[yo]dy endings	[fptk]e0-4y	1228	161	5.079	0.000130
178	[yo][fptk]e4o	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	88	2246	5.078	0.000130
179	[yo][fptk]e4o[dlrsmg]	cean verbs	924	213	5.056	0.000130
180	[yo][fptk]e4od	o[fptk]c + e0-4dy	355	554	5.053	0.000130
181	o[fptk]eda[lrsm | n]	[yo]kai0-4n	184	1067	5.044	0.000130

Table 25.11: Prohibited and Unusually Common Word Pairs by Category

Within Category #	#	Prohibited Category 2	Word Count 2	Expected Count	#	Common Category 2	Word Count 2	Expected Count	Actual Count	Count Difference
		[fptk]e0-4y (161)								
1	93	c | c[s | fptk] + e4dy	1395	5.770	589	[dlrsmg | fptk]e0-4y	735	3.040	14	10.960
2	346	ai4[lr]	782	3.235	1333	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	8.521	14	5.479
3	372	ce4dy	755	3.123	1375	[fptk]e0-4y	161	0.666	6	5.334
4	562	c[s | fptk]e4dy	622	2.573	1388	c + c[s | fptk]e4y	1624	6.717	12	5.283
5	644	ai4n	589	2.436	1429	[dlrsmg]e0-4y	453	1.874	7	5.126
6	658	cse4dy	585	2.420						
7	818	cedai4[lrsm | n]	527	2.180						
8	964	ai4r	483	1.998						
9	1421	a[lr][ao][lr]	391	1.617						
10	1521	ceckey relatives	377	1.559						
11	1783	[yo]c + e4o Superclass	345	1.427						
12	1784	tc-initial	345	1.427						
13	1837	[yo][fp][yoa]	339	1.402						
14	1880	otal variants	333	1.377						
15	1996	[yo]ke4o[lr]	319	1.319						
16	2025	ol[ds]	315	1.303						
17	2128	ai4l	306	1.266						

18	2390	c | cs + e0-4[dlrsmg]	281	1.162
19	2392	otce0-4y	281	1.162
		[fp]c-Initial (387)		
1	98	Single-Letter Words	566	5.627
2	444	okol variants	285	2.834
3	501	ce4ai4n	271	2.694
4	564	sai4n	258	2.565
5	584	cean variants	255	2.535
6	682	otol variants	239	2.376
7	765	old	225	2.237
8	797	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	2.207
9	865	cean verbs	213	2.118
10	927	y + Non-[dlrs] Prefixes	205	2.038
11	1056	dairol/soral relatives	190	1.889
12	1077	c | cs + e0-4s	188	1.869
13	1379	ce0-4s	165	1.641
14	1450	[fptk]e0-4y	161	1.601
15	2131	[yo][fptk]e4or	127	1.263
16	2263	okor variants	122	1.213
17	2450	Consonant Clusters	115	1.143
18	2452	rai4n	115	1.143
19	2606	[yo]c + e4dy	110	1.094
20	2734	o[fptk]e4os	106	1.054
21	2762	aro[dlrsmg]	105	1.044
22	2883	cse0-4s	102	1.014
23	2913	o[fptk]c + e0-4o	101	1.004
		[tk]c-Initial (667)		
1	257	ai0-4[dlrsmg][dlrsmg]	214	3.667
2	571	[yo]e0-4[fp]e0-4[yo]	149	2.553
3	1043	[yo][fp]ai0-4[rn]	111	1.902
4	1157	aro[dlrsmg]	105	1.799
5	1251	c-sequence + e4 + [fptk] + e4 + y	101	1.731
6	1327	o[tk]e4s	98	1.679
7	1401	[yo][fp]o	95	1.628
8	1462	cke4y	93	1.594
9	1491	a[dlrsmg]am	92	1.577
10	1522	a[dlrsmg]c	91	1.559
11	1594	c | cs + e0-4d	89	1.525
12	1728	o[fptk]ody	85	1.457
13	1760	c[fp]e4y + added c-sequences & cfeo-Initial	84	1.439
14	1793	[fptk | dlrs] prefixes to dai4[lrsm | n]	83	1.422
15	1926	o[fptk] endings	79	1.354
16	2086	te4o	75	1.285
17	2120	okod variants	74	1.268
18	2177	ykai0-4n	73	1.251
19	2216	o[fptk]edar	72	1.234
20	2258	oe0-4[fp]oe0-4[lr]	71	1.217
21	2298	[yo]po	70	1.200
22	2343	c[fp]e4y + added c-sequences	69	1.182
23	2491	osa	66	1.131
24	2828	[yo][fptk]e4d	60	1.028
25	2829	[yo]te4os	60	1.028
26	2830	e[tk]o	60	1.028
27	2895	ytai0-4n	59	1.011
28	2896	[yo]fa	59	1.011
		[tk]e4dy (309)		
1	46	[yo][fptk]e4o[dlrsmg]	924	7.335
2	127	oe0-4s	632	5.017
3	149	[yo]ke4o[dlrsmg]	584	4.636
4	197	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	4.120
5	250	o[lr]a	469	3.723
6	253	[yo]ce4y + infixed versions	466	3.699
7	279	[yo][fptk]e4o[lr]	449	3.564
8	286	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	3.533
9	299	or[yoa]	438	3.477
10	397	oce4y + infixed versions	379	3.009
11	452	[yo][fptk]e4od	355	2.818
12	458	[yo]c[s | fptk]e4y	353	2.802
13	476	[yo]c + e4o Superclass	345	2.739
14	477	tc-initial	345	2.739
15	493	[yo]te4o[dlrsmg]	341	2.707
16	497	or[oa]	340	2.699
17	567	[yo][fptk]e4ol	322	2.556
18	586	[yo]ke4o[lr]	319	2.532
19	587	oc[s | fptk]e4y	319	2.532
20	591	o[lr]y	318	2.524
21	623	c[fptk]e4y	310	2.461
22	651	ai4l	306	2.429
23	708	[yo]c[fptk]e4y	294	2.334
24	729	oc[fptk]e4y	289	2.294
25	760	[yo][fptk]e4od + y	284	2.255
26	769	otce0-4y	281	2.231
27	816	od endings + odcey relatives	275	2.183
28	936	cean variants	255	2.024
29	1015	od endings	243	1.929
30	1033	ora	241	1.913
31	1141	[yo]d[ao]i0-4r	228	1.810
32	1142	ola	228	1.810
33	1201	[yo]ke4ol	223	1.770
34	1208	oly	222	1.762
35	1291	od[ao]i0-4r	215	1.707
36	1308	cean verbs	213	1.691
37	1371	[yo]ke4od	207	1.643
38	1404	y + Non-[dlrs] Prefixes	205	1.627
39	1405	yodai0-4r	205	1.627
40	1470	or[yo]	200	1.588
41	1578	odai0-4r	193	1.532
42	1681	cte4y	186	1.477
43	1700	o[fptk][ao]d	185	1.469
44	1803	ko	179	1.421
45	1848	cedar variants	176	1.397
46	1903	cke4[yo]	172	1.365
47	1904	[yo]ce4y + s infixes	172	1.365
48	2016	ce0-4s	165	1.310
49	2084	ocke4y	162	1.286
50	2132	o[fptk]c + e0-4ol	159	1.262
51	2171	[fptk | dlrsmg] + c | c[s | fptk] + e4os	158	1.254
52	2339	[yo]te4od	149	1.183
53	2519	oy	141	1.119
208	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	14.128	39	24.872
210	ed[yoa]	5851	58.173	83	24.827
256	c + e4dy	3053	30.354	52	21.646
280	edy	4981	49.523	70	20.477
349	opc + e0-4 + y | dy | o[dlrs]y	302	3.003	20	16.997
497	o[fptk]c + e0-4dy	554	5.508	18	12.492
551	o[fptk]c + e0-4y	753	7.487	19	11.513
613	[yo][fp][yoa]	339	3.370	14	10.630
689	[yo]e0-4[fp]e0-4[yo]	149	1.481	11	9.519
798	opce0-4dy	159	1.581	10	8.419
845	[yo][fp]o	95	0.945	9	8.055
863	opce0-4y	111	1.104	9	7.896
935	[tk]c-Initial	667	6.632	14	7.368
1046	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	22.331	29	6.669
1126	oe0-4[fp]oe0-4[lr]	71	0.706	7	6.294
1237	kc-initial	322	3.201	9	5.799
131	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	38.487	74	35.513
206	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	21.026	46	24.974
227	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	24.350	48	23.650
302	o[fptk]c + e0-4y	753	12.903	32	19.097
545	[tk]c-Initial	667	11.430	23	11.570
553	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	12.561	24	11.439
616	otc + e0-4 + y | dy | o[dlrs]y	493	8.448	19	10.552
641	okce0-4y	338	5.792	16	10.208
704	okc + e0-4 + y | dy | o[dlrs]y	563	9.648	19	9.352
720	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	8.894	18	9.106
792	kc-initial	322	5.518	14	8.482
803	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	7.626	16	8.375
889	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	35.300	43	7.700
918	[dlrsmg | fptk] + ai4n	1724	29.542	37	7.458
931	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	8.619	16	7.381
1104	[dlrsmg | fptk]e0-4y	735	12.595	19	6.405
1169	cse4y	578	9.905	16	6.095
1367	ol[tk]	621	10.641	16	5.359
1378	yodai0-4n	448	7.677	13	5.323
1384	[yo]d[ao]i0-4n	450	7.711	13	5.289
1415	otce0-4y	281	4.815	10	5.185
1451	otce0-4dy	172	2.947	8	5.053
1456	cte4[yo]	406	6.957	12	5.043
1468	odai0-4n	408	6.991	12	5.009
93	ed[yoa]	5851	46.448	94	47.552
99	edy	4981	39.542	85	45.458
260	o[fptk]e4dy	1444	11.463	33	21.537
356	c + e4dy	3053	24.236	41	16.764
408	l[fptk] Prefixes	514	4.080	19	14.920
413	oke4dy	933	7.407	22	14.593
419	lk-initial	454	3.604	18	14.396
874	o[tk]e0-4y	2042	16.211	24	7.789
906	[tk]e4dy	309	2.453	10	7.547
933	lc-initial	457	3.628	11	7.372
994	ote4dy	509	4.041	11	6.959
1105	[dlrsmg] + c | c[s | fptk] + e4dy	327	2.596	9	6.404
1132	ke4dy	217	1.723	8	6.277
1302	o[fptk]c + e0-4dy	554	4.398	10	5.602
1360	rc-initial	76	0.603	6	5.397

54	2626	ke4o	137	1.088						
55	2678	orai0-4n	135	1.072						
56	2679	o[fptk]c + e0-4or	135	1.072						
57	2722	oo + oe4o	133	1.056						
58	2748	oc[fpt]e4y	132	1.048						
59	2749	g	132	1.048						
60	2819	[yo]te4o[lr]	130	1.032						
61	2904	[yo][fptk]e4or	127	1.008						
62	2937	olai0-4n	126	1.000						
		[tk]e4o (206)								
1	184	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	4.282	835	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	11.887	20	8.113
2	402	Single-Letter Words	566	2.995	837	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	10.902	19	8.098
3	550	[yo]tai0-4n	490	2.593	927	c + c[s | fptk]e4y	1624	8.595	16	7.405
4	741	otai0-4n	430	2.276	959	o[tk]e0-4y	2042	10.807	18	7.193
5	914	ol[yo]	388	2.053	1183	oke0-4y	1314	6.954	13	6.046
6	963	so	378	2.001						
7	1012	cear variants	365	1.932						
8	1171	[yo][fp][yoa]	339	1.794						
9	1293	kc-initial	322	1.704						
10	1344	ol[ds]	315	1.667						
11	1411	pc-initial	307	1.625						
12	1445	cear verbs	303	1.604						
13	1660	otce0-4y	281	1.487						
14	1709	olcey relative	277	1.466						
15	1730	od endings + odcey relatives	275	1.455						
16	2085	od endings	243	1.286						
17	2111	ora	241	1.275						
18	2129	otol variants	239	1.265						
19	2276	[yo]d[ao]i0-4r	228	1.207						
20	2322	old	225	1.191						
21	2361	oly	222	1.175						
22	2362	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	1.175						
23	2471	od[ao]i0-4r	215	1.138						
24	2601	oy + oe4y	207	1.096						
25	2630	yodai0-4r	205	1.085						
26	2631	y + Non-[dlrs] Prefixes	205	1.085						
27	2661	om	203	1.074						
28	2715	[yo][fp]a	200	1.058						
29	2805	o[dlrs]ce4y Superset	196	1.037						
30	2852	odai0-4r	193	1.021						
31	2897	eka	191	1.011						
32	2898	[fptk]ai4n	191	1.011						
33	2911	[fptk]ai4[lr]	190	1.006						
		dc-initial (454)								
1	154	a[lr][ao][lr]	391	4.561	351	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	24.027	41	16.973
2	217	[yo][fp][yoa]	339	3.954	385	dai4n	1140	13.297	29	15.703
3	278	ai4l	306	3.569	477	[dlrsmg | fptk] + ai4n	1724	20.108	33	12.892
4	339	o[fptk | dlrsmg][ao]m	280	3.266	612	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	19.350	30	10.650
5	356	o[lr]o	274	3.196	676	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	14.311	24	9.689
6	368	ceal variants	269	3.138	829	[tk]c-Initial	667	7.780	16	8.220
7	507	ceal verbs	230	2.683	861	edy	4981	58.097	66	7.903
8	509	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	2.683	886	dc-initial	454	5.295	13	7.705
9	551	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	2.589	895	c[s | fptk]e4y	887	10.346	18	7.654
10	710	[yo][fp]a	200	2.333	951	cte4[yo]	406	4.735	12	7.265
11	727	cectey relatives	197	2.298	952	kc-initial	322	3.756	11	7.244
12	788	dairol/soral relatives	190	2.216	976	oke4dy	933	10.882	18	7.118
13	790	[fptk]ai4[lr]	190	2.216	1023	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	26.197	33	6.803
14	799	cedaiin variants	189	2.204	1108	c[fptk]e4y	310	3.616	10	6.384
15	830	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	2.169	1422	o[fptk]e4dy	1444	16.842	22	5.158
16	921	olo	175	2.041	1452	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	36.951	42	5.049
17	1084	ce4o	160	1.866						
18	1099	opce0-4dy	159	1.855						
19	1168	od[ao]i0-4l	154	1.796						
20	1233	[yo]e0-4[fp]e0-4[yo]	149	1.738						
21	1370	[yo]pa	141	1.645						
22	1540	odai0-4l	133	1.551						
23	1609	[yo]te4o[lr]	130	1.516						
24	1674	[yo][fptk]e4or	127	1.481						
25	1696	olai0-4n	126	1.470						
26	1949	Consonant Clusters	115	1.341						
27	1951	rai4n	115	1.341						
28	2058	[yo][fp]ai0-4[rn]	111	1.295						
29	2234	aro[dlrsmg]	105	1.225						
30	2327	oro	102	1.190						
31	2412	[yo]te4ol	99	1.155						
32	2454	o[tk]e4s	98	1.143						
33	2518	[yo]ke4or	96	1.120						
34	2564	l[drs] Prefixes	95	1.108						
35	2565	[yo][fp]o	95	1.108						
36	2636	ols	93	1.085						
37	2665	a[dlrsmg]am	92	1.073						
38	2703	a[dlrsmg]c	91	1.061						
39	2741	oce4y + s infixes	90	1.050						
40	2835	otam variants	88	1.026						
41	2836	[yo][fptk]e4o	88	1.026						
		lc-initial (457)								
1	75	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	6.093	123	edy	4981	58.481	96	37.519
2	109	[dlrsmg]e0-4y	453	5.319	126	ed[yoa]	5851	68.696	105	36.304
3	114	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	5.225	235	c + e4dy	3053	35.845	59	23.155
4	195	[yo][fptk]e4od	355	4.168	257	lc-initial	457	5.366	27	21.634
5	271	ai4l	306	3.593	360	oke0-4y	1314	15.427	32	16.573
6	324	[yo][fptk]e4od + y	284	3.334	405	o[tk]e0-4y	2042	23.975	39	15.025
7	347	od endings + odcey relatives	275	3.229	461	[dlrsmg] + c | c[s | fptk] + e4dy	327	3.839	17	13.161
8	439	od endings	243	2.853	527	l[fptk] Prefixes	514	6.035	18	11.965
9	514	c | c[fptk] + e4o	228	2.677	543	lk-initial	454	5.330	17	11.670
10	556	cteo-initial	220	2.583	624	olk	557	6.540	17	10.460
11	600	ai0-4[dlrsmg][dlrsmg]	214	2.513	673	ol[tk]	621	7.291	17	9.709
12	648	[yo]ke4od	207	2.430	732	oke4dy	933	10.954	20	9.046
13	668	cse4o	205	2.407	834	ol[dtk]	842	9.886	18	8.114
14	680	om	203	2.383	847	o[fptk]e4dy	1444	16.954	25	8.046
15	696	or[yo]	200	2.348	917	[yo]kai0-4n	1067	12.527	20	7.473
16	763	[fptk]ai4n	191	2.243	1118	okai0-4n	994	11.670	18	6.330
17	768	dairol/soral relatives	190	2.231	1199	ea	1195	14.030	20	5.970
18	826	o[fptk][ao]d	185	2.172	1260	olcey relative	277	3.252	9	5.748
19	879	ko	179	2.102	1278	a-axis of [yo][fptk][ao][lr]	1731	20.323	26	5.677
20	904	cedar variants	176	2.066	1381	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	2.700	8	5.300
21	940	cke4[yo]	172	2.019						
22	1067	ce4o	160	1.879						

23	1081	o[fptk]c + e0-4ol	159	1.867
24	1082	opce0-4dy	159	1.867
25	1098	[fptk | dlrsmg] + c | c[s | fptk] + e4os	158	1.855
26	1222	[yo]te4od	149	1.749
27	1223	[yo]e0-4[fp]e0-4[yo]	149	1.749
28	1479	o[fptk]c + e0-4or	135	1.585
29	1545	oc[fpt]e4y	132	1.550
30	1546	g	132	1.550
31	1592	dai4m	130	1.526
32	1986	otor variants	113	1.327
33	2024	[yo][fp]ai0-4[rn]	111	1.303
34	2121	ory	108	1.268
35	2304	cse0-4s	102	1.198
36	2305	oro	102	1.198
37	2335	c-sequence + e4 + [fptk] + e4 + y	101	1.186
38	2389	[yo]te4ol	99	1.162
39	2427	o[tk]e4s	98	1.151
40	2533	[yo][fp]o	95	1.115
41	2534	Detached Class Modifiers	95	1.115
42	2611	ols	93	1.092
43	2612	cke4y	93	1.092
44	2643	a[dlrsmg]am	92	1.080
45	2693	a[dlrsmg]c	91	1.068
46	2757	[yo]ke4o	89	1.045
47	2809	o + c | cs + e4o[lr]	88	1.033
48	2810	otod variants	88	1.033
49	2811	otam variants	88	1.033
50	2812	[yo][fptk]e4o	88	1.033
		l[fptk] Prefixes (514)		
1	58	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	6.854
2	86	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	5.876
3	108	cte4[yo]	406	5.361
4	185	oa	321	4.239
5	189	o[lr]y	318	4.199
6	196	ol[ds]	315	4.160
7	200	c[fptk]e4y	310	4.094
8	315	cean variants	255	3.367
9	414	old	225	2.971
10	421	oly	222	2.932
11	432	cteo-initial	220	2.905
12	454	cean verbs	213	2.813
13	533	or[yo]	200	2.641
14	597	[fptk]ai4n	191	2.522
15	602	dairol/soral relatives	190	2.509
16	626	cte4y	186	2.456
17	747	cke4[yo]	172	2.271
18	858	[fptk]e0-4y	161	2.126
19	881	o[fptk]c + e0-4ol	159	2.100
20	985	[yo]te4od	149	1.968
21	1087	oy	141	1.862
22	1144	ke4o	137	1.809
23	1187	o[fptk]c + e0-4or	135	1.783
24	1225	g	132	1.743
25	1226	oc[fpt]e4y	132	1.743
26	1332	[yo][fptk]e4or	127	1.677
27	1430	okor variants	122	1.611
28	1710	[yo][fp]ai0-4[rn]	111	1.466
29	1785	ory	108	1.426
30	1844	o[fptk]e4os	106	1.400
31	1940	oro	102	1.347
32	1941	cse0-4s	102	1.347
33	1969	c-sequence + e4 + [fptk] + e4 + y	101	1.334
34	2122	[yo]ke4or	96	1.268
35	2168	Detached Class Modifiers	95	1.255
36	2199	cpe4[yo]	94	1.241
37	2227	ols	93	1.228
38	2228	cke4y	93	1.228
39	2329	oce4y + s infixes	90	1.188
40	2330	edo	90	1.188
41	2393	otam variants	88	1.162
42	2394	o + c | cs + e4o[lr]	88	1.162
43	2557	[yo]e4 | c + [fp]	84	1.109
44	2558	c-sequence + e4 + [fptk] + c-sequence + e4 + y	84	1.109
45	2559	c[fp]e4y + added c-sequences & cfeo-Initial	84	1.109
46	2766	ckeo-initial	79	1.043
47	2767	o[fptk] endings	79	1.043
48	2915	ceam variants	76	1.004
		y-initial (1926)		
1	96	et[yo]	115	5.690
2	122	oro	102	5.047
3	151	ety	93	4.602
4	361	c | cs + e0-4l	64	3.167
5	387	[yo]c[fp]	62	3.068
6	451	o[fptk]ce4[lrsmg]	57	2.820
7	539	yce4y	53	2.623
8	540	[fptk][yo]lc	53	2.623
9	821	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	44	2.177
10	900	[yo][fptk]ce4d	42	2.078
11	973	o[fptk]edal	40	1.979
12	1063	o[fptk]d	38	1.880
13	1064	[yo]cp	38	1.880
14	1190	Suspected Errata/Difficult to Categorize	36	1.781
15	1247	a[lr]o Endings	35	1.732
16	1324	odcey relatives	34	1.682
17	1325	[fptk][dlrs] Prefixes	34	1.682
18	1390	[fptk | dlrs] prefixes to daiin	33	1.633
19	1480	c[fptk]e4o	32	1.583
20	1572	opc + e4ol	31	1.534
21	1573	[yo]e0-4do + e4ji4 + [drn] & cedody	31	1.534
22	1574	c + e4 + [fptk] Nouns	31	1.534
23	1662	[rs][fptk | l]	30	1.484
24	1766	otc + e4ody	29	1.435
25	1864	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	28	1.385
26	1958	[fptk | dlrs] prefixes to dar	27	1.336
27	2081	orcey relatives	26	1.287
28	2469	[yo]doi0-4r	23	1.138
29	2470	a[fptk]a	23	1.138
30	2617	ydai0-4[lr]	22	1.089
31	2618	eto	22	1.089

110	ed[yoa]	5851	77.264	119	41.736
125	edy	4981	65.775	103	37.225
149	l[fptk] Prefixes	514	6.787	39	32.213
185	lk-initial	454	5.995	34	28.005
196	c + e4dy	3053	40.316	67	26.684
414	c | c[s | fptk] + e4dy	1395	18.421	33	14.579
588	lc-initial	457	6.035	17	10.965
596	o[fptk]ai4n	1598	21.102	32	10.898
734	ce4dy	755	9.970	19	9.030
832	a-axis of [yo][fptk][ao][lr]	1731	22.858	31	8.142
857	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	3.037	11	7.963
859	[yo]kai0-4n	1067	14.090	22	7.910
907	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	2.456	10	7.544
996	ai4[dlrsmg | n]	1519	20.059	27	6.941
1008	okai0-4n	994	13.126	20	6.874
1051	eda	784	10.353	17	6.647
1077	okar variants	493	6.510	13	6.490
1133	cse4dy	585	7.725	14	6.275
1161	ke4dy	217	2.866	9	6.134
1203	ceal verbs	230	3.037	9	5.963
1207	l-prefix + [fptk]e0-4y	80	1.056	7	5.944
1212	o[fptk]e4dy	1444	19.068	25	5.932
1215	[tk]e4dy	309	4.080	10	5.920
1241	c[s | fptk]e4dy	622	8.214	14	5.786
1269	ai4[dlrsmg]	930	12.281	18	5.719
1277	[dlrsmg] + c | c[s | fptk] + e4dy	327	4.318	10	5.682
1341	ceal variants	269	3.552	9	5.448
1390	ote4dy	509	6.721	12	5.279
1404	ea	1195	15.780	21	5.220
88	y[fptk]-initial	1295	64.078	113	48.922
97	y-initial	1926	95.300	142	46.700
333	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	111.134	129	17.866
350	Single-Letter Words	566	28.006	45	16.994
410	o[fptk]c + e0-4y	753	37.259	52	14.741
757	y + Non-[dlrs] Prefixes	205	10.144	19	8.856
765	[yo]tai0-4n	490	24.246	33	8.754
769	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	36.270	45	8.730
784	om + o[fptk | dlrsmg]am	454	22.464	31	8.536
818	okce0-4y	338	16.725	25	8.275
822	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	156.756	165	8.244
831	okc + e0-4 + y | dy | o[dlrs]y	563	27.858	36	8.142
838	otce0-4y	281	13.904	22	8.096
841	ytai0-4n	59	2.919	11	8.081
843	kc-initial	322	15.933	24	8.067
893	[fptk]ai4[dlrsmg | n]	411	20.337	28	7.663
901	dai4n	1140	56.408	64	7.592
911	cke4[yo]	172	8.511	16	7.489
1069	[dlrsmg | fptk] + ai4[dlrsmg]	1444	71.451	78	6.549
1097	[tk]y	52	2.573	9	6.427
1157	o[fptk | dlrsmg][ao]m	280	13.855	20	6.145
1197	od endings	243	12.024	18	5.976
1276	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	70.313	76	5.687
1305	[fptk]ai4[lr]	190	9.401	15	5.599
1310	dai4m	130	6.433	12	5.567
1336	g	132	6.532	12	5.469
1419	olcey relatives (non -edy)	138	6.828	12	5.172
1440	oe	463	22.910	28	5.090

32	2794	cecpey relatives	21	1.039
		[sr]c-Initial (179)		
1	503	cse4dy	585	2.690
2	511	o[lr][yo]	583	2.681
3	528	cse4y	578	2.658
4	566	olk	557	2.561
5	751	okar variants	493	2.267
6	943	or[yoa]	438	2.014
7	1160	a[lr][ao][lr]	391	1.798
8	1183	ol[yo]	388	1.784
9	1510	or[oa]	340	1.564
10	1525	[yo][fp][yoa]	339	1.559
11	1579	otal variants	333	1.531
12	1682	oa	321	1.476
13	1717	o[lr]y	318	1.462
14	1745	ol[ds]	315	1.449
15	1846	oi	304	1.398
16	1859	opc + e0-4 + y | dy | o[dlrs]y	302	1.389
17	2130	od endings + odcey relatives	275	1.265
18	2148	o[lr]o	274	1.260
19	2190	ce4ai4n	271	1.246
20	2206	ceal variants	269	1.237
21	2344	oi4n Superset	257	1.182
22	2366	cean variants	255	1.173
23	2526	od endings	243	1.117
24	2562	ora	241	1.108
25	2717	ceal verbs	230	1.058
26	2808	old	225	1.035
27	2853	oly	222	1.021
28	2892	cteo-initial	220	1.012
		do (383)		
1	318	[yo]te4o[dlrsmg]	341	3.355
2	337	otal variants	333	3.277
3	353	[dlrsmg] + c | c[s | fptk] + e4dy	327	3.218
4	532	ceal variants	269	2.647
5	754	ceal verbs	230	2.263
6	1016	[fptk] + c | c[s | fptk] + e4dy	196	1.929
7	1065	[fptk]ai4n	191	1.879
8	1117	et[yoa]	186	1.830
9	1128	o[fptk][ao]d	185	1.820
10	1209	[sr]c-Initial	179	1.761
11	1708	[yo]te4od	149	1.466
12	1920	olcey relatives (non -edy)	138	1.358
13	2041	oc[fpt]e4y	132	1.299
14	2099	[yo]te4o[lr]	130	1.279
15	2179	[yo][fptk]e4or	127	1.250
16	2180	cedal variants	127	1.250
17	2487	rai4n	115	1.132
18	2488	et[yo]	115	1.132
19	2885	sc-initial	103	1.013
20	2914	oro	102	1.004
		[yo]d[ao]i0-4[lrm | n] (880)		
1	56	[tk]e4dy	309	6.986
2	130	ke4dy	217	4.906
3	146	[tk]e4o	206	4.657
4	180	[fptk]ai4n	191	4.318
5	263	[fptk]e0-4y	161	3.640
6	379	ke4o	137	3.097
7	569	otor variants	113	2.555
8	719	oro	102	2.306
9	876	ety	93	2.103
10	911	te4dy	91	2.057
11	1145	l-prefix + [fptk]e0-4y	80	1.809
12	1301	te4o	75	1.696
13	1520	ece Adjective	69	1.560
14	1612	yd[ao]i0-4[lrm | n]	67	1.515
15	1650	osa	66	1.492
16	1697	ydai0-4[lrm | n]	65	1.470
17	1698	olt	65	1.470
18	1968	qo variants	59	1.334
19	2014	otc + e4or	58	1.311
20	2015	oi4n	58	1.311
21	2070	odo	57	1.289
22	2125	a[lr]an	56	1.266
23	2126	d[fptk | drs]	56	1.266
24	2300	[fptk][yo]lc	53	1.198
25	2359	[tk]y	52	1.176
26	2420	[fptk] + c | c[s | fptk] + e4o	51	1.153
27	2628	o + c | cs + e4ol	48	1.085
28	2629	[yo]doi0-4[lrm | n]	48	1.085
29	2874	[yo]doi0-4[lr]	45	1.017
30				
31				
32				
33				
		[yo][fptk | dlrsmg] + c | cs + e4o (113)		
1	124	a-axis of [yo][fptk][ao][lr]	1731	5.025
2	148	o[fptk]ai4n	1598	4.639
3	191	o[fptk]e4dy	1444	4.192
4	378	[yo]kai0-4n	1067	3.098
5	434	okai0-4n	994	2.886
6	490	oke4dy	933	2.709
7	635	[ao][lr][ao][lr] Pipe/Flow	843	2.447
8	1146	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	1.809
9	1283	ai4n	589	1.710
10	1435	o[fptk]c + e0-4dy	554	1.608
11	1485	okal variants	544	1.579
12	1678	ote4dy	509	1.478
13	1770	otc + e0-4 + y | dy | o[dlrs]y	493	1.431
14	1771	okar variants	493	1.431
15	1791	[yo]tai0-4n	490	1.423
16	2183	otai0-4n	430	1.248
17	2316	[fptk]ai4[dlrsmg | n]	411	1.193
18	2460	[yo]d[ao]i0-4[lr]	393	1.141
19	2479	a[lr][ao][lr]	391	1.135
20	2498	ol[yo]	388	1.126
21	2597	so	378	1.097
22	2602	ceckey relatives	377	1.094

695	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	14.569	24	9.431
839	edy	4981	22.906	31	8.094
1111	o[fptk]e4dy	1444	6.641	13	6.359
1171	ed[yoa]	5851	26.907	33	6.093
1292	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	3.371	9	5.629
1366	[dlrsmg | fptk] + ai4[dlrsmg]	1444	6.641	12	5.359
469	c + c[s | fptk]e4y	1624	15.980	29	13.020
508	c[s | fptk]e4y	887	8.728	21	12.272
561	cse4y	578	5.687	17	11.313
609	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	20.270	31	10.730
752	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	22.100	31	8.900
846	y-initial	1926	18.951	27	8.049
998	oi4[dlrsmg | n]	1124	11.060	18	6.940
1213	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	12.073	18	5.927
1317	dc-initial	454	4.467	10	5.533
230	y-initial	1926	43.543	67	23.457
239	y[fptk]-initial	1295	29.278	52	22.722
322	[yo]dy endings	1228	27.763	46	18.237
389	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	11.372	27	15.628
412	odai0-4[lrm | n]	767	17.340	32	14.660
446	od[ao]i0-4[lrm | n]	813	18.380	32	13.620
451	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	37.507	51	13.493
459	yodai0-4[lrm | n]	832	18.810	32	13.190
479	oda	847	19.149	32	12.851
509	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	11.734	24	12.266
515	[yo]d[ao]i0-4[lrm | n]	880	19.895	32	12.105
531	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	10.061	22	11.939
558	cse4o	205	4.635	16	11.365
590	c[s | fptk]e4y	887	20.053	31	10.947
632	c + c[s | fptk]e4y	1624	36.716	47	10.284
665	c | c[fptk] + e4o	228	5.155	15	9.845
768	om + o[fptk | dlrsmg]am	454	10.264	19	8.736
855	c[fptk]e4y	310	7.009	15	7.991
877	odai0-4n	408	9.224	17	7.776
884	od[ao]i0-4n	410	9.269	17	7.731
1009	yodai0-4n	448	10.128	17	6.872
1015	[yo]d[ao]i0-4n	450	10.174	17	6.826
1040	oe0-4s	632	14.288	21	6.712
1082	[yo]ce4y + infixed versions	466	10.535	17	6.465
1094	oce4y + infixed versions	379	8.568	15	6.432
1096	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	46.573	53	6.427
1188	[yo]c[s | fptk]e4y	353	7.981	14	6.019
1240	oc[s | fptk]e4y	319	7.212	13	5.788
1284	otce0-4y	281	6.353	12	5.647
1291	odai0-4[lr]	326	7.370	13	5.630
1337	oc[fptk]e4y	289	6.534	12	5.466
1368	[yo]c[fptk]e4y	294	6.647	12	5.353
1426	yodai0-4[lr]	348	7.868	13	5.132
938	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	0.668	8	7.332
1083	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	0.540	7	6.460
1180	[tk]c-Initial	667	1.936	8	6.064
1282	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	2.349	8	5.651
1324	l[fptk] Prefixes	514	1.492	7	5.508
1446	kc-initial	322	0.935	6	5.065

23	2684	od[ao]i0-4[lr]	369	1.071						
24	2713	cear variants	365	1.060						
25	2899	yodai0-4[lr]	348	1.010						
26	2930	otar variants	345	1.002						
		o[dlrs]ce4y Superset (196)								
1	143	ai4[dlrsmg]	930	4.683	541	o[tk]e0-4y	2042	10.282	22	11.718
2	219	ai4[lr]	782	3.938	1120	ote0-4y	731	3.681	10	6.319
3	461	o[fptk]c + e0-4dy	554	2.790	1363	oke0-4y	1314	6.617	12	5.383
4	585	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	2.533						
5	645	ai4r	483	2.432						
6	1042	so	378	1.903						
7	1218	yodai0-4[lr]	348	1.752						
8	1269	[yo]te4o[dlrsmg]	341	1.717						
9	1374	odai0-4[lr]	326	1.642						
10	1473	ol[ds]	315	1.586						
11	1532	[tk]e4dy	309	1.556						
12	1561	ai4l	306	1.541						
13	1601	opc + e0-4 + y | dy | o[dlrs]y	302	1.521						
14	1824	o[fptk | dlrsmg][ao]m	280	1.410						
15	1906	ce4ai4n	271	1.365						
16	2088	cean variants	255	1.284						
17	2262	ora	241	1.214						
18	2286	otol variants	239	1.203						
19	2438	c | c[fptk] + e4o	228	1.148						
20	2439	[yo]d[ao]i0-4r	228	1.148						
21	2483	old	225	1.133						
22	2525	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	1.118						
23	2610	ke4dy	217	1.093						
24	2641	od[ao]i0-4r	215	1.083						
25	2671	cean verbs	213	1.073						
26	2776	oy + oe4y	207	1.042						
27	2818	yodai0-4r	205	1.032						
28	2814	cse4o	205	1.032						
		o[fptk]c + e0-4dy (554)								
1	10	c[s | fptk]e4y	887	12.625	33	ed[yoa]	5851	83.276	158	74.724
2	31	cse4y	578	8.227	50	edy	4981	70.894	136	65.106
3	57	ai4r	483	6.874	98	c + e4dy	3053	43.453	90	46.547
4	92	cte4[yo]	406	5.779	148	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	20.225	53	32.775
5	152	oa	321	4.569	159	o[fptk]c + e0-4dy	554	7.885	39	31.115
6	170	c[fptk]e4y	310	4.412	161	[yo][fptk][ao][lr]	2688	38.258	69	30.742
7	179	oi	304	4.327	283	a-axis of [yo][fptk][ao][lr]	1731	24.637	45	20.363
8	193	[yo]c[fptk]e4y	294	4.184	317	o[fptk]e4dy	1444	20.552	39	18.448
9	198	oc[fptk]e4y	289	4.113	321	okce0-4dy	188	2.676	21	18.324
10	230	ceal variants	269	3.829	373	okc + e0-4 + y | dy | o[dlrs]y	563	8.013	24	15.987
11	260	oi4n Superset	257	3.658	648	otar variants	345	4.910	15	10.090
12	266	cean variants	255	3.629	671	oke4dy	933	13.279	23	9.721
13	338	ceal verbs	230	3.274	760	eda	784	11.159	20	8.841
14	371	cteo-initial	220	3.131	880	ote4dy	509	7.245	15	7.755
15	394	cean verbs	213	3.032	888	opc + e0-4 + y | dy | o[dlrs]y	302	4.298	12	7.702
16	420	[tk]e4o	206	2.932	963	[yo][fp][yoa]	339	4.825	12	7.175
17	531	cte4y	186	2.647	1076	cedai4[lrsm | n]	527	7.501	14	6.499
18	607	olo	175	2.491	1086	[dlrsmg | fptk] + ai4[dlrsmg]	1444	20.552	27	6.448
19	633	cke4[yo]	172	2.448	1116	[dlrsmg] + c | c[s | fptk] + e4dy	327	4.654	11	6.346
20	720	ocke4y	162	2.306	1211	ofc + e4 + y | dy | o + [lr] Superset	75	1.067	7	5.933
21	950	oy	141	2.007	1356	[yo][fptk]ce4d	42	0.598	6	5.402
22	999	ke4o	137	1.950	1408	[fptk] + c | c[s | fptk] + e4dy	196	2.790	8	5.210
23	1022	o[fptk]c + e0-4or	135	1.921	1430	o-axis of [yo][fptk][ao][lr]	764	10.874	16	5.126
24	1066	oc[fpt]e4y	132	1.879	1444	ofc + e0-4 + y | dy | o[dlrs]y	65	0.925	6	5.075
25	1101	[yo]te4o[lr]	130	1.850						
26	1238	okor variants	122	1.736						
27	1389	rai4n	115	1.637						
28	1625	o[fptk]e4os	106	1.509						
29	1762	o[fptk]c + e0-4o	101	1.438						
30	1830	[yo]te4ol	99	1.409						
31	1929	Detached Class Modifiers	95	1.352						
32	1992	cke4y	93	1.324						
33	2052	a[dlrsmg]c	91	1.295						
34	2173	[yo][fptk]e4o	88	1.252						
35	2204	yce4y + infixed versions	87	1.238						
36	2312	c[fp]e4y + added c-sequences & cfeo-Initial	84	1.196						
37	2375	yce4y + s infixes	82	1.167						
38	2504	ckeo-initial	79	1.124						
39	2695	te4o	75	1.067						
40	2795	ykai0-4n	73	1.039						
41	2845	o[fptk]edar	72	1.025						
		o[fptk]c + e0-4ol (159)								
1	95	c | c[s | fptk] + e4dy	1395	5.698	435	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	9.175	23	13.825
2	382	ce4dy	755	3.084	517	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	12.941	25	12.059
3	577	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	2.545	525	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	5.012	17	11.988
4	580	c[s | fptk]e4dy	622	2.541	722	[dlrsmg | fptk] + ai4[dlrsmg]	1444	5.899	15	9.101
5	670	ai4n	589	2.406	1148	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	6.777	13	6.223
6	679	cse4dy	585	2.390	1223	o-axis of [yo][fptk][ao][lr]	764	3.121	9	5.879
7	742	olk	557	2.275	1249	[dlrsmg] + ai4[lr] + y-suffix	1035	4.228	10	5.772
8	882	l[fptk] Prefixes	514	2.100	1372	dai4n	1140	4.657	10	5.343
9	945	okar variants	493	2.014						
10	946	otc + e0-4 + y | dy | o[dlrs]y	493	2.014						
11	980	ai4r	483	1.973						
12	1030	o[lr]a	469	1.916						
13	1083	lc-initial	457	1.867						
14	1100	lk-initial	454	1.855						
15	1213	otai0-4n	430	1.757						
16	1385	ol[oa]	401	1.638						
17	1440	[yo]d[ao]i0-4[lr]	393	1.605						
18	1456	a[lr][ao][lr]	391	1.597						
19	1484	[fp]c-Initial	387	1.581						
20	1554	so	378	1.544						
21	1564	ceckey relatives	377	1.540						
22	1628	od[ao]i0-4[lr]	369	1.507						
23	1741	[yo][fptk]e4od	355	1.450						
24	1800	yodai0-4[lr]	348	1.422						
25	1829	otar variants	345	1.409						
26	1918	otal variants	333	1.360						
27	1959	[dlrsmg] + c | c[s | fptk] + e4dy	327	1.336						
28	1970	odai0-4[lr]	326	1.332						
29	2053	oe sans oy + oe4y, oe0-4s	317	1.295						
30	2133	[tk]e4dy	309	1.262						
31	2172	pc-initial	307	1.254						
32	2401	[yo][fptk]e4od + y	284	1.160						
33	2445	c | cs + e0-4[dlrsmg]	281	1.148						
34	2443	otce0-4y	281	1.148						

35	2489	olcey relative	277	1.132						
36	2735	sai4n	258	1.054						
37	2777	ek[yo]	255	1.042						
		o[fptk]c + e0-4or (135)								
1	133	c | c[s | fptk] + e4dy	1395	4.838	512	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	7.790	20	12.210
2	252	[yo]kai0-4n	1067	3.701	625	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	2.542	13	10.458
3	307	okai0-4n	994	3.447	848	dai4n	1140	3.954	12	8.046
4	344	oke4dy	933	3.236	986	[dlrsmg | fptk] + ai4n	1724	5.979	13	7.021
5	354	[yo][fptk]e4o[dlrsmg]	924	3.205	1191	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	10.988	17	6.012
6	486	eda	784	2.719						
7	543	ce4dy	755	2.619						
8	839	c[s | fptk]e4dy	622	2.157						
9	932	cse4dy	585	2.029						
10	935	[yo]ke4o[dlrsmg]	584	2.025						
11	955	cse4y	578	2.005						
12	1023	o[fptk]c + e0-4dy	554	1.921						
13	1121	cedai4[lrsm | n]	527	1.828						
14	1188	l[fptk] Prefixes	514	1.783						
15	1284	okar variants	493	1.710						
16	1407	o[lr]a	469	1.627						
17	1439	oe	463	1.606						
18	1478	lc-initial	457	1.585						
19	1493	lk-initial	454	1.575						
20	1515	[yo]d[ao]i0-4n	450	1.561						
21	1529	[yo][fptk]e4o[lr]	449	1.557						
22	1536	yodai0-4n	448	1.554						
23	1653	otai0-4n	430	1.491						
24	1786	[fptk]ai4[dlrsmg | n]	411	1.425						
25	1797	od[ao]i0-4n	410	1.422						
26	1813	odai0-4n	408	1.415						
27	1948	[fp]c-Initial	387	1.342						
28	2127	cear variants	365	1.266						
29	2221	[yo][fptk]e4od	355	1.231						
30	2310	tc-initial	345	1.197						
31	2308	[yo]c + e4o Superclass	345	1.197						
32	2341	[yo]te4o[dlrsmg]	341	1.183						
33	2348	or[oa]	340	1.179						
34	2481	[dlrsmg] + c | c[s | fptk] + e4dy	327	1.134						
35	2531	[yo][fptk]e4ol	322	1.117						
36	2572	[yo]ke4o[lr]	319	1.106						
37	2591	oe sans oy + oe4y, oe0-4s	317	1.099						
38	2680	[tk]e4dy	309	1.072						
39	2700	pc-initial	307	1.065						
40	2705	ai4l	306	1.061						
41	2739	cear verbs	303	1.051						
		o[fptk]c + e0-4y (753)								
1	13	ai4n	589	11.394	138	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	27.490	62	34.510
2	171	c | c[fptk] + e4o	228	4.411	165	o[fptk]c + e0-4y	753	14.567	44	29.433
3	172	ola	228	4.411	266	okc + e0-4 + y | dy | o[dlrs]y	563	10.891	32	21.109
4	380	ce4o	160	3.095	334	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	61.286	79	17.714
5	388	[fptk | dlrsmg] + c | c[s | fptk] + e4os	158	3.057	342	okce0-4y	338	6.539	24	17.461
6	546	orai0-4n	135	2.612	364	[yo]dy endings	1228	23.756	40	16.244
7	625	[yo][fptk]e4or	127	2.457	402	[tk]c-Initial	667	12.903	28	15.097
8	641	olai0-4n	126	2.438	433	ote0-4y	731	14.141	28	13.859
9	779	Consonant Clusters	115	2.225	476	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	32.094	45	12.906
10	1094	[yo]ke4or	96	1.857	487	[dlrsmg | fptk] + ai4n	1724	33.351	46	12.649
11	1158	ols	93	1.799	575	cte4[yo]	406	7.854	19	11.146
12	1210	te4dy	91	1.760	591	dai4n	1140	22.054	33	10.946
13	1231	edo	90	1.741	622	o[tk]e0-4y	2042	39.503	50	10.497
14	1265	c | cs + e0-4d	89	1.722	685	do	383	7.409	17	9.591
15	1295	o + c | cs + e4o[lr]	88	1.702	687	otce0-4y	281	5.436	15	9.564
16	1296	[yo][fptk]e4o	88	1.702	794	otc + e0-4 + y | dy | o[dlrs]y	493	9.537	18	8.463
17	1323	yce4y + infixed versions	87	1.683	865	[fptk]e0-4y	161	3.115	11	7.885
18	1472	yce4y + s infixes	82	1.586	876	[dlrsmg | fptk]e0-4y	735	14.219	22	7.781
19	1590	dl Consonant clusters	79	1.528	878	kc-initial	322	6.229	14	7.771
20	1591	ckeo-initial	79	1.528	939	tc-initial	345	6.674	14	7.326
21	1695	ceam variants	76	1.470	957	o-axis of [yo][fptk][ao][lr]	764	14.780	22	7.220
22	1965	ece Adjective	69	1.335	989	c[fptk]e4y	310	5.997	13	7.003
23	2002	yc + e4o[lr]	68	1.315	1020	otor variants	113	2.186	9	6.814
24	2003	e-initial	68	1.315	1107	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	8.609	15	6.391
25	2106	oe4y	66	1.277	1150	dc-initial	454	8.783	15	6.217
26	2160	olt	65	1.257	1196	[dlrsmg] + ai4[lr] + y-suffix	1035	20.022	26	5.978
27	2205	c | cs + e0-4l	64	1.238	1214	o[fptk]c + e0-4ol	159	3.076	9	5.924
28	2347	ceam verbs	61	1.180	1262	cteo-initial	220	4.256	10	5.744
29	2398	c + e4 + [fptk] Endings	60	1.161	1268	otc + e4ol	66	1.277	7	5.723
30	2399	[yo][fptk]e4d	60	1.161	1327	opai0-4n	26	0.503	6	5.497
31	2456	qo variants	59	1.141	1347	opai0-4n	29	0.561	6	5.439
32	2457	o[fptk]edai4n	59	1.141	1357	cte4y	186	3.598	9	5.402
33	2458	[yo]fa	59	1.141	1406	om + o[fptk | dlrsmg]am	454	8.783	14	5.217
34	2459	ytai0-4n	59	1.141	1445	[dlrsmg | fptk] + ai4[dlrsmg]	1444	27.935	33	5.065
35	2513	oi4n	58	1.122	1454	o[fptk]c + e0-4o	101	1.954	7	5.046
36	2842	yce4y	53	1.025						
		o[fptk]c + e4od (21)								
1	1739	[yo][fptk][ao][lr]	2688	1.450						
2	2267	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	1.212						
3	2550	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	1.111						
4	2586	o[tk]e0-4y	2042	1.102						
		o[fptk]c + e4ody (75)								
1	505	c | c[s | fptk] + e4dy	1395	2.688	1393	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	2.738	8	5.262
2	913	[yo]kai0-4n	1067	2.056						
3	1031	okai0-4n	994	1.915						
4	1161	oke4dy	933	1.798						
5	1173	ai4[dlrsmg]	930	1.792						
6	1418	ol[dtk]	842	1.622						
7	1527	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	1.559						
8	1622	eda	784	1.511						
9	1629	ai4[lr]	782	1.507						
10	1731	ce4dy	755	1.455						
11	1806	ce4y	737	1.420						
12	1811	[dlrsmg | fptk]e0-4y	735	1.416						
13	2296	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	1.200						
14	2299	c[s | fptk]e4dy	622	1.198						
15	2309	ol[tk]	621	1.197						
16	2496	cse4dy	585	1.127						
17	2502	[yo]ke4o[dlrsmg]	584	1.125						
18	2535	cse4y	578	1.114						
19	2664	olk	557	1.073						
20	2878	cedai4[lrsm | n]	527	1.015						
		o[fptk]c + e4os (15)								
1	759	ed[yoa]	5851	2.255						

2	1024	edy	4981	1.920						
3	2243	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	1.221						
4	2355	c + e4dy	3053	1.177						
5	2807	[yo][fptk][ao][lr]	2688	1.036						
		[yo]c + e4o Superclass (345)								
1	60	ce4dy	755	6.692	326	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	19.907	38	18.093
2	160	ote4dy	509	4.511	783	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	4.458	13	8.542
3	178	[yo]tai0-4n	490	4.343	791	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	6.497	15	8.503
4	218	ek[yoa]	446	3.953	944	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	14.704	22	7.296
5	231	otai0-4n	430	3.811	973	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	10.875	18	7.125
6	417	otal variants	333	2.952	992	lk-initial	454	4.024	11	6.976
7	485	pc-initial	307	2.721	1021	[yo][fptk]e4o[dlrsmg]	924	8.190	15	6.810
8	628	olcey relative	277	2.455	1087	l[fptk] Prefixes	514	4.556	11	6.444
9	755	ek[yo]	255	2.260	1140	c[fptk]e4y	310	2.748	9	6.252
10	852	ora	241	2.136	1238	od[ao]i0-4[lrm | n]	813	7.206	13	5.794
11	984	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	1.968	1265	od[ao]i0-4[lr]	369	3.271	9	5.729
12	1020	eky	217	1.923	1321	[yo]d[ao]i0-4[lr]	393	3.483	9	5.517
13	1234	[fptk] + c | c[s | fptk] + e4dy	196	1.737	1412	[yo]d[ao]i0-4[lrm | n]	880	7.800	13	5.200
14	1307	eka	191	1.693	1433	[yo]dy endings	1228	10.884	16	5.116
15	1317	[dlrsmg] + ai4r	190	1.684						
16	1318	dairol/soral relatives	190	1.684						
17	1396	o[fptk]eda[lrsm | n]	184	1.631						
18	1519	cedar variants	176	1.560						
19	1595	otce0-4dy	172	1.525						
20	1596	[yo]ce4y + s infixes	172	1.525						
21	1995	[dlrsmg]ai4m	149	1.321						
22	2241	olcey relatives (non -edy)	138	1.223						
23	2307	orai0-4n	135	1.197						
24	2423	dai4m	130	1.152						
25	2424	[yo]te4o[lr]	130	1.152						
26	2500	cedal variants	127	1.126						
27	2864	rai4n	115	1.019						
28	2924	[yo][fptk | dlrsmg] + c | cs + e4o	113	1.002						
29	2926	[yo]ce4y	113	1.002						
30	2927	otor variants	113	1.002						
		[yo]c[fptk]e4y (294)								
1	12	ai4[dlrsmg | n]	1519	11.473	842	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	23.928	32	8.072
2	54	ai4[dlrsmg]	930	7.024	985	[yo][fptk]e4o[dlrsmg]	924	6.979	14	7.021
3	83	ai4[lr]	782	5.907	1053	ol[dtk]	842	6.360	13	6.640
4	140	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	4.706	1079	[yo]ce4y + infixed versions	466	3.520	10	6.480
5	165	ai4n	589	4.449	1146	o-axis of [yo][fptk][ao][lr]	764	5.771	12	6.229
6	176	cse4y	578	4.366	1159	oce4y + infixed versions	379	2.863	9	6.137
7	249	okar variants	493	3.724	1195	[dlrsmg | fptk] + ai4n	1724	13.022	19	5.978
8	262	ai4r	483	3.648	1220	okal variants	544	4.109	10	5.891
9	441	ceckey relatives	377	2.848	1235	oc[fptk]e4y	289	2.183	8	5.817
10	548	otar variants	345	2.606	1244	[yo]c[fptk]e4y	294	2.221	8	5.779
11	707	[tk]e4dy	309	2.334	1306	oc[s | fptk]e4y	319	2.409	8	5.591
12	715	ai4l	306	2.311	1308	o[tk]e0-4y	2042	15.424	21	5.576
13	860	c | cs + e0-4[dlrsmg]	281	2.122	1376	[yo]c[s | fptk]e4y	353	2.666	8	5.334
14	930	ceal variants	269	2.032	1416	[dlrsmg] + ai4[lr] + y-suffix	1035	7.818	13	5.182
15	1235	ceal verbs	230	1.737	1443	oke0-4y	1314	9.925	15	5.075
16	1236	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	1.737						
17	1264	c | c[fptk] + e4o	228	1.722						
18	1384	ke4dy	217	1.639						
19	1577	om	203	1.533						
20	1621	[yo][fp]a	200	1.511						
21	1656	cectey relatives	197	1.488						
22	1675	[fptk] + c | c[s | fptk] + e4dy	196	1.480						
23	1782	cedaiin variants	189	1.428						
24	1807	c | cs + e0-4s	188	1.420						
25	1832	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	1.405						
26	1833	et[yoa]	186	1.405						
27	1931	ko	179	1.352						
28	2038	cke4[yo]	172	1.299						
29	2188	ce0-4s	165	1.246						
30	2259	[fptk]e0-4y	161	1.216						
31	2274	ce4o	160	1.209						
32	2292	opce0-4dy	159	1.201						
33	2501	[dlrsmg]ai4m	149	1.125						
34	2669	ece Noun	142	1.073						
35	2699	[yo]pa	141	1.065						
		[yo]ce4y (113)								
1	204	c | c[s | fptk] + e4dy	1395	4.050	1448	[tk]c-Initial	667	1.936	7	5.064
2	581	[dlrsmg]ai4[lr]	875	2.540						
3	638	ol[dtk]	842	2.444						
4	690	od[ao]i0-4[lrm | n]	813	2.360						
5	740	eda	784	2.276						
6	775	odai0-4[lrm | n]	767	2.227						
7	784	o-axis of [yo][fptk][ao][lr]	764	2.218						
8	808	ce4dy	755	2.192						
9	855	o[lr][oa]	735	2.134						
10	1148	c[s | fptk]e4dy	622	1.806						
11	1152	ol[tk]	621	1.803						
12	1298	cse4dy	585	1.698						
13	1331	cse4y	578	1.678						
14	1422	olk	557	1.617						
15	1583	cedai4[lrsm | n]	527	1.530						
16	1679	ote4dy	509	1.478						
17	1916	o[lr]a	469	1.362						
18	2000	om + o[fptk | dlrsmg]am	454	1.318						
19	2023	[yo][fptk]e4o[lr]	449	1.303						
20	2056	ek[yoa]	446	1.295						
21	2117	or[yoa]	438	1.272						
22	2324	od[ao]i0-4n	410	1.190						
23	2338	odai0-4n	408	1.184						
24	2384	ol[oa]	401	1.164						
25	2461	[yo]d[ao]i0-4[lr]	393	1.141						
26	2509	[fp]c-Initial	387	1.124						
27	2598	so	378	1.097						
28	2603	ceckey relatives	377	1.094						
29	2685	od[ao]i0-4[lr]	369	1.071						
30	2844	[yo]c[s | fptk]e4y	353	1.025						
31	2900	yodai0-4[lr]	348	1.010						
32	2925	[yo]c + e4o Superclass	345	1.002						
		om + o[fptk | dlrsmg]am (454)								
1	22	ai4[lr]	782	9.121	202	y-initial	1926	22.464	48	25.536
2	81	l[fptk] Prefixes	514	5.995	406	[yo]c + e4o Superclass	345	4.024	19	14.976
3	97	ai4r	483	5.634	656	tc-initial	345	4.024	14	9.976
4	111	lk-initial	454	5.295	675	om + o[fptk | dlrsmg]am	454	5.295	15	9.705
5	159	[fp]c-Initial	387	4.514	887	dc-initial	454	5.295	13	7.705

6	254	ol[ds]	315	3.674
7	274	pc-initial	307	3.581
8	277	ai4l	306	3.569
9	336	c | cs + e0-4[dlrsmg]	281	3.278
10	508	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	2.683
11	537	old	225	2.624
12	588	ke4dy	217	2.531
13	662	[yo]ke4od	207	2.414
14	709	[yo][fp]a	200	2.333
15	774	eka	191	2.228
16	789	[fptk]ai4[lr]	190	2.216
17	806	c | cs + e0-4s	188	2.193
18	829	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	2.169
19	915	cedar variants	176	2.053
20	953	cke4[yo]	172	2.006
21	1018	ce0-4s	165	1.925
22	1055	ocke4y	162	1.890
23	1068	[fptk]e0-4y	161	1.878
24	1368	[yo]pa	141	1.645
25	1369	oy	141	1.645
26	1565	g	132	1.540
27	1608	[yo]te4o[lr]	130	1.516
28	1673	[yo][fptk]e4or	127	1.481
29	1950	rai4n	115	1.341
30	2057	[yo][fp]ai0-4[rn]	111	1.295
31	2326	cse0-4s	102	1.190
32	2411	[yo]te4ol	99	1.155
33	2453	o[tk]e4s	98	1.143
34	2517	[yo]ke4or	96	1.120
35	2599	cpe4[yo]	94	1.096
36	2634	ols	93	1.085
37	2635	cke4y	93	1.085
38	2666	a[dlrsmg]am	92	1.073
39	2704	a[dlrsmg]c	91	1.061
40	2740	edo	90	1.050
41	2801	c | cs + e0-4d	89	1.038
42	2833	o + c | cs + e4o[lr]	88	1.026
43	2834	otod variants	88	1.026
		[yo][fptk]e4o[dlrsmg] (924)		
1	49	pc-initial	307	7.288
2	51	opc + e0-4 + y | dy | o[dlrs]y	302	7.169
3	65	ce4ai4n	271	6.433
4	78	cean variants	255	6.053
5	120	cean verbs	213	5.056
6	132	y + Non-[dlrs] Prefixes	205	4.866
7	158	eka	191	4.534
8	161	[dlrsmg] + ai4r	190	4.510
9	163	cedaiin variants	189	4.487
10	168	et[yoa]	186	4.415
11	202	otce0-4dy	172	4.083
12	237	opce0-4dy	159	3.774
13	481	et[yo]	115	2.730
14	510	[yo][fptk | dlrsmg] + c | cs + e4o	113	2.682
15	535	opce0-4y	111	2.635
16	675	o[fptk]c + e0-4o	101	2.398
17	796	ety	93	2.208
18	815	a[dlrsmg]am	92	2.184
19	905	yce4y + infixed versions	87	2.065
20	941	dcedy relatives	85	2.018
21	966	c[fp]e4y + added c-sequences & cfeo-Initial	84	1.994
22	983	a[lr][fptk]	83	1.970
23	1001	yce4y + s infixes	82	1.947
24	1069	dl Consonant clusters	79	1.875
25	1070	o[fptk] endings	79	1.875
26	1149	okam variants	76	1.804
27	1197	ofc + e4 + y | dy | o + [lr] Superset	75	1.780
28	1242	ykai0-4n	73	1.733
29	1314	eta	71	1.685
30	1351	[yo]po	70	1.662
31	1386	c[fp]e4y + added c-sequences	69	1.638
32	1428	yc + e4o[lr]	68	1.614
33	1467	yd[ao]i0-4[lrm | n]	67	1.590
34	1505	otc + e4ol	66	1.567
35	1506	o[fptk][ao]s	66	1.567
36	1557	ofc + e0-4 + y | dy | o[dlrs]y	65	1.543
37	1558	ydai0-4[lrm | n]	65	1.543
38	1691	cear nouns	62	1.472
39	1692	[yo]c[fp]	62	1.472
40	1788	e[tk]o	60	1.424
41	1839	qo variants	59	1.401
42	1840	o[fptk]edai4n	59	1.401
43	1881	o[tk][ao]s	58	1.377
44	1882	otc + e4or	58	1.377
45	1927	[yo]cse4y	57	1.353
46	1973	d[fptk | drs]	56	1.329
47	2157	Double c-Sequence Nouns	53	1.258
48	2158	[fptk][yo]lc	53	1.258
49	2159	yce4y	53	1.258
50	2215	[tk]y	52	1.234
51	2270	[fptk] + c | c[s | fptk] + e4o	51	1.211
52	2386	[dlrsmg] + c | c[s | fptk] + e4o	49	1.163
53	2387	okc + e4o	49	1.163
54	2760	[yo][fp]y	44	1.045
55	2761	otc + e4o	44	1.045
56	2856	cean nouns	43	1.021
		[yo][fptk]e4od + y (284)		
1	206	o[fptk]c + e0-4dy	554	4.042
2	342	ek[yoa]	446	3.254
3	401	[fptk]ai4[dlrsmg | n]	411	2.999
4	448	[fp]c-Initial	387	2.824
5	527	cear variants	365	2.663
6	599	tc-initial	345	2.517
7	764	pc-initial	307	2.240
8	767	ai4l	306	2.233
9	783	oi	304	2.218
10	793	cear verbs	303	2.211
11	800	opc + e0-4 + y | dy | o[dlrs]y	302	2.203
12	939	olcey relative	277	2.021
13	978	ce4ai4n	271	1.977

902	so	378	4.409	12	7.591
956	[tk]c-Initial	667	7.780	15	7.220
1024	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	26.197	33	6.803
1033	[yo]d[ao]i0-4n	450	5.249	12	6.751
1054	oe0-4s	632	7.371	14	6.629
1139	oa	321	3.744	10	6.256
1149	od[ao]i0-4n	410	4.782	11	6.218
1182	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	36.951	43	6.049
1194	[yo]ce4y + s infixes	172	2.006	8	5.994
1246	yodai0-4n	448	5.225	11	5.775
1263	[yo]d[ao]i0-4[lrm | n]	880	10.264	16	5.736
1264	o[fptk | dlrsmg][ao]m	280	3.266	9	5.734
1289	om	203	2.368	8	5.632
1303	oe	463	5.400	11	5.600
1383	yodai0-4[lrm | n]	832	9.704	15	5.296
1401	odai0-4n	408	4.759	10	5.241
1409	yc + e4o[lr]	68	0.793	6	5.207
1432	oda	847	9.879	15	5.121
109	[yo][fptk]e4o[dlrsmg]	924	21.934	64	42.066
224	[yo]ke4o[dlrsmg]	584	13.863	38	24.137
231	[yo][fptk]e4o[lr]	449	10.659	34	23.341
250	[yo][fptk]e4ol	322	7.644	30	22.356
332	[yo]te4o[dlrsmg]	341	8.095	26	17.905
348	ai4n	589	13.982	31	17.018
352	ai4[dlrsmg | n]	1519	36.059	53	16.941
378	[yo]dy endings	1228	29.151	45	15.849
418	[yo]ke4o[lr]	319	7.573	22	14.427
440	[yo]ke4ol	223	5.294	19	13.706
442	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	53.317	67	13.683
462	ocke4y	162	3.846	17	13.154
489	[yo][fptk]e4od	355	8.427	21	12.573
524	oce4y + infixed versions	379	8.997	21	12.003
577	oc[fptk]e4y	289	6.860	18	11.140
585	[yo]c[fptk]e4y	294	6.979	18	11.021
627	oc[s | fptk]e4y	319	7.573	18	10.427
638	[yo][fptk]e4od + y	284	6.742	17	10.258
659	[yo]ce4y + infixed versions	466	11.062	21	9.938
680	[yo]c[s | fptk]e4y	353	8.380	18	9.620
730	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	11.941	21	9.060
749	[yo]te4o[lr]	130	3.086	12	8.914
751	do	383	9.092	18	8.908
756	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	29.127	38	8.873
776	[yo]te4ol	99	2.350	11	8.650
782	c | c[fptk] + e4o	228	5.412	14	8.588
824	okol variants	285	6.765	15	8.235
854	oe0-4s	632	15.003	23	7.997
890	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	12.320	20	7.680
969	cse4o	205	4.866	12	7.134
980	[yo]ke4od	207	4.914	12	7.086
1011	o-axis of [yo][fptk][ao][lr]	764	18.136	25	6.864
1074	o[tk]e0-4y	2042	48.474	55	6.526
1090	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	10.564	17	6.436
1332	o[fptk]e4os	106	2.516	8	5.484
1334	oe sans oy + oe4y, oe0-4s	317	7.525	13	5.475
1338	[yo]te4od	149	3.537	9	5.463
1364	oa	321	7.620	13	5.380
1396	[fptk | dlrsmg] + c | c[s | fptk] + e4os	158	3.751	9	5.249
1407	o[lr][yoa]	1044	24.783	30	5.217
1411	ce4o	160	3.798	9	5.202
510	[yo][fptk]e4o[dlrsmg]	924	6.742	19	12.258
849	[yo]dy endings	1228	8.960	17	8.040
924	oke0-4y	1314	9.587	17	7.413
979	o[tk]e0-4y	2042	14.899	22	7.101
1035	[yo]ke4o[dlrsmg]	584	4.261	11	6.739
1296	oe	463	3.378	9	5.622
1323	[yo]te4o[dlrsmg]	341	2.488	8	5.512
1369	[yo]ke4o	89	0.649	6	5.351

14	1071	oi4n Superset	257	1.875						
15	1088	cean variants	255	1.861						
16	1089	ek[yo]	255	1.861						
17	1441	cteo-initial	220	1.605						
18	1481	ke4dy	217	1.583						
19	1482	eky	217	1.583						
20	1535	cean verbs	213	1.554						
21	1647	y + Non-[dlrs] Prefixes	205	1.496						
22	1724	or[yo]	200	1.459						
23	1763	cectey relatives	197	1.437						
24	1774	o[dlrs]ce4y Superset	196	1.430						
25	1855	eka	191	1.394						
26	1856	[fptk]ai4n	191	1.394						
27	1860	[fptk]ai4[lr]	190	1.386						
28	1861	[dlrsmg] + ai4r	190	1.386						
29	1874	cedaiin variants	189	1.379						
30	1892	okce0-4dy	188	1.372						
31	1921	et[yoa]	186	1.357						
32	2021	ko	179	1.306						
33	2022	[sr]c-Initial	179	1.306						
34	2163	otce0-4dy	172	1.255						
35	2363	[fptk]e0-4y	161	1.175						
36	2402	o[fptk]c + e0-4ol	159	1.160						
37	2400	opce0-4dy	159	1.160						
38	2907	olcey relatives (non -edy)	138	1.007						
		o[fptk][ao]d (185)								
1	135	ce4a	1009	4.796	966	[yo]dy endings	1228	5.837	13	7.164
2	211	[ao][lr][ao][lr] Pipe/Flow	843	4.007	974	o[fptk][ao]d	185	0.879	8	7.121
3	359	[tk]c-Initial	667	3.170	1113	odai0-4[lrm | n]	767	3.645	10	6.355
4	728	ai4r	483	2.296	1160	od[ao]i0-4[lrm | n]	813	3.864	10	6.136
5	825	lc-initial	457	2.172	1184	yodai0-4[lrm | n]	832	3.954	10	6.046
6	837	dc-initial	454	2.158	1198	oda	847	4.026	10	5.974
7	840	[dlrsmg]e0-4y	453	2.153	1234	[yo]d[ao]i0-4[lrm | n]	880	4.183	10	5.817
8	892	or[yoa]	438	2.082						
9	997	[fptk]ai4[dlrsmg | n]	411	1.953						
10	1092	a[lr][ao][lr]	391	1.858						
11	1111	[fp]c-Initial	387	1.839						
12	1239	cear variants	365	1.735						
13	1381	tc-initial	345	1.640						
14	1425	or[oa]	340	1.616						
15	1534	[dlrsmg] + c | c[s | fptk] + e4dy	327	1.554						
16	1581	kc-initial	322	1.530						
17	1620	o[lr]y	318	1.511						
18	1688	c[fptk]e4y	310	1.473						
19	1725	pc-initial	307	1.459						
20	1759	cear verbs	303	1.440						
21	1960	c | cs + e0-4[dlrsmg]	281	1.336						
22	2075	ce4ai4n	271	1.288						
23	2100	ceal variants	269	1.279						
24	2265	cean variants	255	1.212						
25	2448	ora	241	1.145						
26	2607	ceal verbs	230	1.093						
27	2608	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	1.093						
28	2725	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	1.055						
29	2726	oly	222	1.055						
30	2780	ece polygraph	219	1.041						
31	2820	ke4dy	217	1.031						
32	2889	cean verbs	213	1.012						
		o[fptk][ao]s (66)								
1	302	o[tk]e0-4y	2042	3.462	797	ai4[dlrsmg | n]	1519	2.576	11	8.424
2	427	[dlrsmg | fptk] + ai4n	1724	2.923	1098	ai4[dlrsmg]	930	1.577	8	6.423
3	453	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	2.813						
4	772	oke0-4y	1314	2.228						
5	891	[yo]dy endings	1228	2.082						
6	894	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	2.081						
7	1008	dai4n	1140	1.933						
8	1143	[yo]kai0-4n	1067	1.809						
9	1202	o[lr][yoa]	1044	1.770						
10	1313	okai0-4n	994	1.685						
11	1649	[yo]d[ao]i0-4[lrm | n]	880	1.492						
12	1764	oda	847	1.436						
13	1777	[ao][lr][ao][lr] Pipe/Flow	843	1.429						
14	1822	yodai0-4[lrm | n]	832	1.411						
15	1879	od[ao]i0-4[lrm | n]	813	1.379						
16	1890	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	1.372						
17	2032	odai0-4[lrm | n]	767	1.301						
18	2048	o-axis of [yo][fptk][ao][lr]	764	1.295						
19	2178	ce4y	737	1.250						
20	2185	[dlrsmg | fptk]e0-4y	735	1.246						
21	2186	o[lr][oa]	735	1.246						
22	2202	ote0-4y	731	1.239						
23	2490	[tk]c-Initial	667	1.131						
24	2719	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	1.056						
25	2728	c[s | fptk]e4dy	622	1.055						
26	2778	ol[yoa]	614	1.041						
		o[fptk]e4os (106)								
1	28	c + e4dy	3053	8.314	209	ai4[dlrsmg | n]	1519	4.137	29	24.863
2	142	[dlrsmg | fptk] + ai4n	1724	4.695	396	ai4n	589	1.604	17	15.396
3	221	o[fptk]e4dy	1444	3.932	693	ai4[dlrsmg]	930	2.533	12	9.467
4	234	c | c[s | fptk] + e4dy	1395	3.799	1010	ai4[lr]	782	2.130	9	6.870
5	341	ea	1195	3.254						
6	375	dai4n	1140	3.105						
7	431	[yo]kai0-4n	1067	2.906						
8	473	ce4a	1009	2.748						
9	494	okai0-4n	994	2.707						
10	579	oke4dy	933	2.541						
11	676	[yo]d[ao]i0-4[lrm | n]	880	2.396						
12	718	oda	847	2.307						
13	752	yodai0-4[lrm | n]	832	2.266						
14	791	od[ao]i0-4[lrm | n]	813	2.214						
15	889	odai0-4[lrm | n]	767	2.089						
16	912	ce4dy	755	2.056						
17	961	[dlrsmg | fptk]e0-4y	735	2.002						
18	1131	[tk]c-Initial	667	1.816						
19	1299	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	1.697						
20	1306	c[s | fptk]e4dy	622	1.694						
21	1463	cse4dy	585	1.593						
22	1471	o[lr][yo]	583	1.588						
23	1626	o[fptk]c + e0-4dy	554	1.509						
24	1863	ote4dy	509	1.386						
25	1945	okar variants	493	1.343						
26	1946	otc + e0-4 + y | dy | o[dlrs]y	493	1.343						

27	2193	lc-initial	457	1.245
28	2208	dc-initial	454	1.236
29	2209	om + o[fptk | dlrsmg]am	454	1.236
30	2217	[dlrsmg]e0-4y	453	1.234
31	2232	[yo]d[ao]i0-4n	450	1.225
32	2246	yodai0-4n	448	1.220
33	2260	ek[yoa]	446	1.215
34	2318	or[yoa]	438	1.193
35	2521	[fptk]ai4[dlrsmg | n]	411	1.119
36	2532	od[ao]i0-4n	410	1.117
37	2551	odai0-4n	408	1.111
38	2574	cte4[yo]	406	1.106
39	2686	[yo]d[ao]i0-4[lr]	393	1.070
40	2718	ol[yo]	388	1.057
41	2736	[fp]c-Initial	387	1.054
42	2832	ceckey relatives	377	1.027
43	2912	od[ao]i0-4[lr]	369	1.005
		o[fptk]ai4n (1598)		
1	25	oy + oe4y	207	8.498
2	44	ko	179	7.349
3	91	oy	141	5.789
4	138	rai4n	115	4.721
5	177	o[fptk]e4os	106	4.352
6	223	Detached Class Modifiers	95	3.900
7	333	fc-initial	80	3.284
8	374	rc-initial	76	3.120
9	383	te4o	75	3.079
10	436	[yo]po	70	2.874
11	488	oe4y	66	2.710
12	489	osa	66	2.710
13	519	olt	65	2.669
14	620	[yo]te4os	60	2.463
15	656	qo variants	59	2.422
16	787	[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	2.217
17	824	[fptk][yo]lc	53	2.176
18	887	[fptk] + c | c[s | fptk] + e4o	51	2.094
19	1058	[yo]ke4os	46	1.889
20	1320	Prefixed Versions of c | c[s | fptk] + e4dy	41	1.683
21	1373	o[fptk]edal	40	1.642
22	1516	eko	38	1.560
23	1517	yc + e4o	38	1.560
24	1518	od[fptk | dlrsmg]	38	1.560
25	1603	x	37	1.519
26	1604	c[fptk]e4dy	37	1.519
27	1677	Suspected Errata/Difficult to Categorize	36	1.478
28	1849	odcey relatives	34	1.396
29	1850	osai0-4n	34	1.396
30	1851	[fptk][dlrs] Prefixes	34	1.396
31	1852	ol + c | cs + e4o[lr]	34	1.396
32	1925	ef[yoa]	33	1.355
33	2008	c[fptk]e4o	32	1.314
34	2113	c + e4 + [fptk] Nouns	31	1.273
35	2114	[yo]te4or	31	1.273
36	2220	[rs][fptk | l]	30	1.232
37	2323	otc + e4ody	29	1.191
38	2560	ce4g	27	1.108
39	2561	[fptk | dlrs] prefixes to dar	27	1.108
40	2696	cfe4[yo]	26	1.067
41	2697	o + c | cs + e4o	26	1.067
42	2837	opor variants	25	1.026
43	2838	opol variants	25	1.026
44	2839	olf	25	1.026
45				
46				
47				
48				
49				
		o[fptk]e4dy (1444)		
1	7	cear variants	365	13.541
2	14	cear verbs	303	11.241
3	32	cteo-initial	220	8.162
4	35	cean verbs	213	7.902
5	39	y + Non-[dlrs] Prefixes	205	7.605
6	40	cse4o	205	7.605
7	67	cke4[yo]	172	6.381
8	80	ocke4y	162	6.010
9	212	ory	108	4.007
10	243	o[fptk]c + e0-4o	101	3.747
11	297	cpe4[yo]	94	3.487
12	306	cke4y	93	3.450
13	340	o + c | cs + e4o[lr]	88	3.265
14	348	yce4y + infixed versions	87	3.228
15	391	yce4y + s infixes	82	3.042
16	422	ckeo-initial	79	2.931
17	463	te4o	75	2.782
18	594	yc + e4o[lr]	68	2.523
19	595	o[fptk][dlrsmg]	68	2.523
20	596	[fptk | dlrsmg] + c | c[s | fptk] + e4od	68	2.523
21	614	cpeo-initial	67	2.486
22	615	yd[ao]i0-4[lrm | n]	67	2.486
23	631	osa	66	2.448
24	632	otc + e4ol	66	2.448
25	667	ydai0-4[lrm | n]	65	2.411
26	725	cear nouns	62	2.300
27	777	e[tk]o	60	2.226
28	809	[yo]fa	59	2.189
29	841	oi4n	58	2.152
30	869	o[fptk]ce4[lrsmg]	57	2.115
31	870	[yo]cse4y	57	2.115
32	871	odo	57	2.115
33	958	okc + e4or	54	2.003
34	986	Double c-Sequence Nouns	53	1.966
35	987	yce4y	53	1.966
36	1014	[tk]y	52	1.929
37	1129	[dlrsmg] + c | c[s | fptk] + e4o	49	1.818
38	1130	okc + e4o	49	1.818
39	1193	[yo]doi0-4[lrm | n]	48	1.781
40	1194	o + c | cs + e4ol	48	1.781
41	1292	[yo]ke4os	46	1.707
42	1340	[yo]doi0-4[lr]	45	1.669

49	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	25.577	91	65.423
52	o[fptk]ai4n	1598	65.605	129	63.395
74	c | c[s | fptk] + e4dy	1395	57.271	110	52.729
79	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	68.109	120	51.891
91	a-axis of [yo][fptk][ao][lr]	1731	71.065	119	47.935
111	ceckey relatives	377	15.477	57	41.523
134	[yo]kai0-4n	1067	43.805	79	35.195
137	ce4dy	755	30.996	66	35.004
142	c + e4dy	3053	125.339	159	33.661
162	olk	557	22.867	53	30.133
173	[yo]tai0-4n	490	20.117	49	28.883
189	ce4a	1009	41.424	69	27.576
191	ol[tk]	621	25.495	53	27.505
200	okai0-4n	994	40.808	67	26.192
207	ea	1195	49.060	74	24.940
212	[yo][fptk][ao][lr]	2688	110.354	135	24.646
226	cectey relatives	197	8.088	32	23.912
245	ol[dtk]	842	34.568	57	22.432
251	otai0-4n	430	17.653	40	22.347
255	oi4[dlrsmg | n]	1124	46.145	68	21.855
285	c + c[s | fptk]e4y	1624	66.672	87	20.328
292	cse4dy	585	24.017	44	19.983
299	otal variants	333	13.671	33	19.329
307	ce4y	737	30.257	49	18.743
316	c[s | fptk]e4dy	622	25.536	44	18.464
340	edy	4981	204.492	222	17.508
355	otar variants	345	14.164	31	16.836
409	ai4[dlrsmg]	930	38.181	53	14.819
411	ek[yoa]	446	18.310	33	14.690
431	ai4[lr]	782	32.105	46	13.895
448	cear verbs	303	12.439	26	13.561
492	ceal verbs	230	9.443	22	12.558
523	cear variants	365	14.985	27	12.015
529	ceal variants	269	11.044	23	11.956
604	ed[yoa]	5851	240.209	251	10.791
644	eka	191	7.841	18	10.159
701	et[yoa]	186	7.636	17	9.364
721	ote4dy	509	20.897	30	9.103
737	ykai0-4n	73	2.997	12	9.003
817	et[yo]	115	4.721	13	8.279
827	a[dlrsmg]am	92	3.777	12	8.223
868	y[fptk]-initial	1295	53.165	61	7.835
892	okal variants	544	22.334	30	7.666
961	ety	93	3.818	11	7.182
964	ai4r	483	19.829	27	7.171
1062	ytai0-4n	59	2.422	9	6.578
1088	ai4l	306	12.563	19	6.437
1135	cse4y	578	23.729	30	6.271
1172	eky	217	8.909	15	6.091
3	ed[yoa]	5851	217.060	533	315.940
4	edy	4981	184.785	474	289.215
7	o[fptk]e4dy	1444	53.569	230	176.431
12	oke4dy	933	34.612	157	122.388
22	c + e4dy	3053	113.260	201	87.740
72	ote4dy	509	18.883	73	54.117
114	o[tk]e0-4y	2042	75.754	116	40.246
133	c | c[s | fptk] + e4dy	1395	51.752	87	35.248
144	oke0-4y	1314	48.747	82	33.253
147	a-axis of [yo][fptk][ao][lr]	1731	64.217	97	32.783
170	[yo][fptk][ao][lr]	2688	99.719	129	29.281
193	lc-initial	457	16.954	44	27.046
213	[tk]e4dy	309	11.463	36	24.537
254	eda	784	29.085	51	21.915
271	[dlrsmg] + c | c[s | fptk] + e4dy	327	12.131	33	20.869
304	c[s | fptk]e4dy	622	23.075	42	18.925
359	o[fptk]ai4n	1598	59.283	76	16.718
372	ce4dy	755	28.009	44	15.991
376	ke4dy	217	8.050	24	15.950
379	okal variants	544	20.181	36	15.819
398	cse4dy	585	21.702	37	15.298
417	o[fptk]c + e0-4dy	554	20.552	35	14.448
453	[yo]kai0-4n	1067	39.584	53	13.417
460	o[fptk]eda[lrsm | n]	184	6.826	20	13.174
464	okai0-4n	994	36.875	50	13.125
780	te4dy	91	3.376	12	8.624
830	rc-initial	76	2.819	11	8.181
851	okce0-4dy	188	6.974	15	8.026
871	opc + e0-4 + y | dy | o[dlrs]y	302	11.204	19	7.796
936	[sr]c-Initial	179	6.641	14	7.359
978	opce0-4dy	159	5.899	13	7.101
1007	ote0-4y	731	27.119	34	6.881
1028	[yo][fptk]e4d	60	2.226	9	6.774
1052	otal variants	333	12.354	19	6.646

43	1392	[yo][fp]y	44	1.632						
44	1393	otc + e4o	44	1.632						
45	1394	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	44	1.632						
46	1667	o + c | cs + e4or	40	1.484						
47	1663	yd[ao]i0-4n	40	1.484						
48	1664	ydai0-4n	40	1.484						
49	1825	ceal nouns	38	1.410						
50	1826	o[fptk]d	38	1.410						
51	1827	eko	38	1.410						
52	1828	yc + e4o	38	1.410						
53	1889	[yo]d[ao]i0-4m	37	1.373						
54	1961	Suspected Errata/Difficult to Categorize	36	1.336						
55	1962	ady	36	1.336						
56	1963	yodai0-4m	36	1.336						
57	2042	[yo]fai0-4[rn]	35	1.298						
58	2134	yc[s | fptk]e4y	34	1.261						
59	2135	od[ao]i0-4m	34	1.261						
60	2136	yc + e4ol	34	1.261						
61	2137	osai0-4n	34	1.261						
62	2138	[fptk][dlrs] Prefixes	34	1.261						
63	2139	yc + e4or	34	1.261						
64	2140	ope0-4y	34	1.261						
65	2141	odcey relatives	34	1.261						
66	2142	ol + c | cs + e4o[lr]	34	1.261						
67	2235	[yo]py	33	1.224						
68	2236	ef[yoa]	33	1.224						
69	2237	odai0-4m	33	1.224						
70	2331	c[fptk]e4o	32	1.187						
71	2430	[yo]e0-4do + e4|i4 + [drn] & cedody	31	1.150						
72	2431	c + e4 + [fptk] Nouns	31	1.150						
73	2542	ocse4y	30	1.113						
74	2543	okc + e4ody	30	1.113						
75	2653	otc + e4ody	29	1.076						
76	2654	ycse4y	29	1.076						
77	2797	o[tk][lr]	28	1.039						
78	2798	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	28	1.039						
79	2923	cpe4y	27	1.002						
		o[fptk]eda[lrsm | n] (184)								
1	123	[yo]kai0-4n	1067	5.044	560	ed[yoa]	5851	27.659	39	11.341
2	141	okai0-4n	994	4.699	795	edy	4981	23.546	32	8.454
3	190	c[s | fptk]e4y	887	4.193	799	c | c[s | fptk] + e4dy	1395	6.594	15	8.406
4	365	[tk]c-Initial	667	3.153	1066	c + e4dy	3053	14.432	21	6.568
5	406	oe0-4s	632	2.988	1095	ce4dy	755	3.569	10	6.431
6	479	cse4y	578	2.732	1301	ai4[dlrsmg]	930	4.396	10	5.604
7	542	o[fptk]c + e0-4dy	554	2.619	1320	o[lr][oa]	735	3.474	9	5.526
8	835	lc-initial	457	2.160	1467	[ao][lr][ao][lr] Pipe/Flow	843	3.985	9	5.015
9	844	dc-initial	454	2.146						
10	1026	cte4[yo]	406	1.919						
11	1118	[fp]c-Initial	387	1.829						
12	1140	do	383	1.811						
13	1260	cear variants	365	1.725						
14	1395	tc-initial	345	1.631						
15	1455	okce0-4y	338	1.598						
16	1551	[dlrsmg] + c | c[s | fptk] + e4dy	327	1.546						
17	1599	kc-initial	322	1.522						
18	1606	oa	321	1.517						
19	1636	o[lr]y	318	1.503						
20	1712	c[fptk]e4y	310	1.465						
21	1721	[tk]e4dy	309	1.461						
22	1735	pc-initial	307	1.451						
23	1769	cear verbs	303	1.432						
24	1937	okol variants	285	1.347						
25	2033	od endings + odcey relatives	275	1.300						
26	2092	ce4ai4n	271	1.281						
27	2283	ek[yo]	255	1.205						
28	2284	cean variants	255	1.205						
29	2436	od endings	243	1.149						
30	2743	oly	222	1.049						
31	2785	cteo-initial	220	1.040						
32	2840	ke4dy	217	1.026						
33	2841	eky	217	1.026						
34	2908	cean verbs	213	1.007						
		o[fptk]ody (85)								
1	215	[q | fptk | dlrsmg] + oi0-4[lr]	1819	3.972	1121	[yo]dy endings	1228	2.682	9	6.318
2	329	ai4[dlrsmg | n]	1519	3.317						
3	610	dai4n	1140	2.489						
4	629	oi4[dlrsmg | n]	1124	2.455						
5	736	o[lr][yoa]	1044	2.280						
6	801	ce4a	1009	2.203						
7	931	ai4[dlrsmg]	930	2.031						
8	1107	[ao][lr][ao][lr] Pipe/Flow	843	1.841						
9	1206	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	1.767						
10	1287	ai4[lr]	782	1.708						
11	1432	ce4y	737	1.609						
12	1442	[dlrsmg | fptk]e0-4y	735	1.605						
13	1443	o[lr][oa]	735	1.605						
14	1452	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	1.601						
15	1726	[tk]c-Initial	667	1.457						
16	1919	c[s | fptk]e4dy	622	1.358						
17	1955	ol[yoa]	614	1.341						
18	2083	ai4n	589	1.286						
19	2105	cse4dy	585	1.277						
20	2112	o[lr][yo]	583	1.273						
21	2210	Single-Letter Words	566	1.236						
22	2727	ai4r	483	1.055						
23	2847	o[lr]a	469	1.024						
24	2894	oe	463	1.011						
		[yo][fptk][ao][lr] (2688)								
1	16	[fptk]e0-4y	161	11.118	13	c | c[s | fptk] + e4dy	1395	96.335	216	119.665
2	100	l-prefix + [fptk]e0-4y	80	5.525	15	c + e4dy	3053	210.833	313	102.167
3	113	rc-initial	76	5.248	43	ce4dy	755	52.139	121	68.861
4	183	[yo]c[fp]	62	4.282	68	a-axis of [yo][fptk][ao][lr]	1731	119.539	174	54.461
5	248	[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	3.729	73	cse4dy	585	40.399	94	53.601
6	259	[fptk][yo]lc	53	3.660	77	c[s | fptk]e4dy	622	42.954	95	52.046
7	272	[tk]y	52	3.591	89	[yo][fptk][ao][lr]	2688	185.627	234	48.373
8	290	[fptk] + c | c[s | fptk] + e4o	51	3.522	94	ai4[dlrsmg | n]	1519	104.899	152	47.101
9	330	[yo]c + e4ody	48	3.315	106	ai4[dlrsmg]	930	64.224	108	43.776
10	393	otc + e4o	44	3.039	108	edy	4981	343.976	387	43.024
11	538	[yo]cp	38	2.624	151	ai4[lr]	782	54.003	86	31.997
12	612	ady	36	2.486	163	ed[yoa]	5851	404.056	434	29.944
13	613	Suspected Errata/Difficult to Categorize	36	2.486	180	ai4r	483	33.355	62	28.645
14	697	[fptk][dlrs] Prefixes	34	2.348	258	[dlrsmg]ai4[lr]	875	60.425	82	21.575

15	738	[fptk | dlrs] prefixes to daiin	33	2.279
16	794	c[fptk]e4o	32	2.210
17	901	[rs][fptk | l]	30	2.072
18	1169	o + c | cs + e4o	26	1.796
19	1257	b	25	1.726
20	1258	ofar variants	25	1.726
21	1468	ofce0-4y	23	1.588
22	1738	cecpey relatives	21	1.450
23	2194	c + e4 + [fptk]c Nouns	18	1.243
24	2195	q-prefix exceptions	18	1.243
25	2577	c | cs + e0-4r	16	1.105
26	2578	[fptk | dlrs] prefixes to dal	16	1.105
27	2579	opc + e4or	16	1.105
28	2806	[yo][dlrsmg] + c | cs + e4o	15	1.036
29				
30				
31				
32				
33				
34				
35				
		a-axis of [yo][fptk][ao][lr] (1731)		
1	29	cte4y	186	8.272
2	52	[fptk]e0-4y	161	7.160
3	194	cpe4[yo]	94	4.180
4	222	[yo][fptk]e4o	88	3.913
5	281	l-prefix + [fptk]e0-4y	80	3.558
6	312	rc-initial	76	3.380
7	386	c[fp]e4y + added c-sequences	69	3.069
8	410	cpeo-initial	67	2.980
9	419	otc + e4ol	66	2.935
10	471	[yo]c[fp]	62	2.757
11	520	oce4y	60	2.668
12	558	oi4n	58	2.579
13	673	[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	2.401
14	674	okc + e4or	54	2.401
15	692	[fptk][yo]lc	53	2.357
16	714	[tk]y	52	2.313
17	749	[fptk] + c | c[s | fptk] + e4o	51	2.268
18	819	[yo]te4o	49	2.179
19	854	[yo]c + e4ody	48	2.135
20	994	otc + e4o	44	1.957
21	995	[yo][fp]y	44	1.957
22	1125	Prefixed Versions of c | c[s | fptk] + e4dy	41	1.823
23	1310	ceal nouns	38	1.690
24	1311	[yo]cp	38	1.690
25	1312	eko	38	1.690
26	1367	[yo]d[ao]i0-4m	37	1.645
27	1447	ady	36	1.601
28	1448	yodai0-4m	36	1.601
29	1449	Suspected Errata/Difficult to Categorize	36	1.601
30	1617	ope0-4y	34	1.512
31	1618	od[ao]i0-4m	34	1.512
32	1619	[fptk][dlrs] Prefixes	34	1.512
33	1703	[fptk | dlrs] prefixes to daiin	33	1.468
34	1704	odai0-4m	33	1.468
35	1705	[yo]py	33	1.468
36	1789	c[fptk]e4o	32	1.423
37	1877	[yo]te4or	31	1.379
38	1878	c + e4 + [fptk] Nouns	31	1.379
39	1966	okc + e4ody	30	1.334
40	1967	[rs][fptk | l]	30	1.334
41	2191	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	28	1.245
42	2294	cpe4y	27	1.201
43	2295	ce4g	27	1.201
44	2408	o + c | cs + e4o	26	1.156
45	2544	olf	25	1.112
46	2545	ofar variants	25	1.112
47	2546	[yo]fo	25	1.112
48	2547	b	25	1.112
49	2848	ofce0-4y	23	1.023
		o-axis of [yo][fptk][ao][lr] (764)		
1	33	[fptk]ai4[dlrsmg | n]	411	8.067
2	240	[fptk]ai4n	191	3.749
3	247	[fptk]ai4[lr]	190	3.729
4	293	[sr]c-Initial	179	3.513
5	363	[fptk]e0-4y	161	3.160
6	426	[yo]e0-4[fp]e0-4[yo]	149	2.925
7	462	ece Noun	142	2.787
8	504	ke4o	137	2.689
9	785	[yo][fptk | dlrsmg] + c | cs + e4o	113	2.218
10	893	o[fptk]e4os	106	2.081
11	937	sc-initial	103	2.022
12	971	c-sequence + e4 + [fptk] + e4 + y	101	1.982
13	1086	[yo][fp]o	95	1.865
14	1147	a[dlrsmg]am	92	1.806
15	1181	te4dy	91	1.786
16	1255	[yo][fptk]e4o	88	1.727
17	1256	o + c | cs + e4o[lr]	88	1.727
18	1358	[yo]e4 | c + [fp]	84	1.649
19	1359	c-sequence + e4 + [fptk] + c-sequence + e4 + y	84	1.649
20	1398	a[lr][fptk]	83	1.629
21	1399	[fptk | dlrs] prefixes to dai4[lrsm | n]	83	1.629
22	1498	l-prefix + [fptk]e0-4y	80	1.570
23	1543	dl Consonant clusters	79	1.551
24	1544	e[fp][yoa]	79	1.551
25	1541	ckeo-initial	79	1.551
26	1651	rc-initial	76	1.492
27	1733	okod variants	74	1.452
28	1854	oe0-4[fp]oe0-4[lr]	71	1.394
29	1886	[yo]po	70	1.374
30	2049	oe4y	66	1.295
31	2050	o[fptk][ao]s	66	1.295
32	2110	ofc + e0-4 + y | dy | o[dlrs]y	65	1.276
33	2162	c | cs + e0-4l	64	1.256
34	2257	[yo]c[fp]	62	1.217
35	2306	faceys relatives	61	1.197

295	ol[dtk]	842	58.147	78	19.853
300	otar variants	345	23.825	43	19.175
301	ol[tk]	621	42.885	62	19.115
313	[dlrsmg] + ai4[lr] + y-suffix	1035	71.475	90	18.525
394	olk	557	38.465	54	15.535
428	okar variants	493	34.045	48	13.955
563	[dlrsmg | fptk] + ai4[dlrsmg]	1444	99.719	111	11.281
598	c | cs + e0-4d	89	6.146	17	10.854
626	okal variants	544	37.567	48	10.433
653	otal variants	333	22.996	33	10.004
654	a[lr][ao][lr]	391	27.002	37	9.998
684	c | cs + e0-4[dlrsmg]	281	19.405	29	9.595
698	oi4[dlrsmg | n]	1124	77.621	87	9.379
1001	otam variants	88	6.077	13	6.923
1050	om + o[fptk | dlrsmg]am	454	31.352	38	6.648
1106	cectey relatives	197	13.604	20	6.396
1166	ce4y	737	50.895	57	6.105
1279	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	15.331	21	5.669
1281	o[fptk | dlrsmg][ao]m	280	19.336	25	5.664
1392	[yo]pa	141	9.737	15	5.263
1442	cse4y	578	39.915	45	5.085
17	c | c[s | fptk] + e4dy	1395	62.037	158	95.963
21	c + e4dy	3053	135.771	224	88.229
53	a-axis of [yo][fptk][ao][lr]	1731	76.980	140	63.020
54	edy	4981	221.511	284	62.489
60	ed[yoa]	5851	260.201	319	58.799
75	ce4dy	755	33.576	86	52.424
84	[yo][fptk][ao][lr]	2688	119.539	169	49.461
101	cse4dy	585	26.016	71	44.984
103	c[s | fptk]e4dy	622	27.661	72	44.339
107	ai4[dlrsmg | n]	1519	67.552	111	43.448
121	ai4[dlrsmg]	930	41.358	80	38.642
171	ai4[lr]	782	34.777	64	29.223
190	ai4r	483	21.480	49	27.520
205	[dlrsmg]ai4[lr]	875	38.912	64	25.088
236	[dlrsmg] + ai4[lr] + y-suffix	1035	46.028	69	22.972
238	[dlrsmg | fptk] + ai4[dlrsmg]	1444	64.217	87	22.783
246	ol[tk]	621	27.617	50	22.383
274	ol[dtk]	842	37.445	58	20.555
296	okal variants	544	24.192	44	19.808
303	okar variants	493	21.924	41	19.076
323	olk	557	24.771	43	18.230
443	otar variants	345	15.343	29	13.657
447	a[lr][ao][lr]	391	17.388	31	13.612
470	oi4[dlrsmg | n]	1124	49.986	63	13.014
642	otal variants	333	14.809	25	10.191
733	c | cs + e0-4d	89	3.958	13	9.042
788	[ao][lr][ao][lr] Pipe/Flow	843	37.489	46	8.511
790	c | cs + e0-4[dlrsmg]	281	12.496	21	8.504
814	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	27.706	36	8.294
823	cectey relatives	197	8.761	17	8.239
840	otam variants	88	3.913	12	8.087
971	ce4a	1009	44.872	52	7.128
1022	om + o[fptk | dlrsmg]am	454	20.190	27	6.810
1070	o[fptk | dlrsmg][ao]m	280	12.452	19	6.548
1075	cear verbs	303	13.475	20	6.525
1114	eky	217	9.650	16	6.350
1163	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	9.873	16	6.127
1252	cear variants	365	16.232	22	5.768
152	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	44.084	76	31.916
228	c | c[s | fptk] + e4dy	1395	27.381	51	23.619
270	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	24.084	45	20.916
325	c + c[s | fptk]e4y	1624	31.876	50	18.124
336	dai4n	1140	22.376	40	17.624
366	ce4dy	755	14.819	31	16.181
424	c + e4dy	3053	59.924	74	14.076
491	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	40.434	53	12.566
549	ce4y	737	14.466	26	11.534
574	[dlrsmg | fptk] + ai4n	1724	33.839	45	11.161
681	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	14.387	24	9.613
787	cse4dy	585	11.482	20	8.518
872	c[s | fptk]e4dy	622	12.209	20	7.791
894	cse4y	578	11.345	19	7.655
913	do	383	7.518	15	7.482
955	otar variants	345	6.772	14	7.228
988	o-axis of [yo][fptk][ao][lr]	764	14.996	22	7.004
1059	c[s | fptk]e4y	887	17.410	24	6.590
1103	okol variants	285	5.594	12	6.406
1186	oi	304	5.967	12	6.033
1253	od[ao]i0-4[lr]	369	7.243	13	5.757
1267	[yo]d[ao]i0-4[lrm | n]	880	17.273	23	5.727
1385	[yo]d[ao]i0-4[lr]	393	7.714	13	5.286
1457	od[ao]i0-4[lrm | n]	813	15.958	21	5.042

36	2353	[yo]te4os	60	1.178
37	2354	c + e4 + [fptk] Endings	60	1.178
38	2405	[yo]fa	59	1.158
39	2468	o[tk][ao]s	58	1.138
40	2522	[yo]cse4y	57	1.119
41	2524	o[fptk]ce4[lrsmg]	57	1.119
42	2592	a[lr]an	56	1.099
43	2711	[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	1.060
44	2781	[fptk][yo]lc	53	1.040
45	2857	[tk]y	52	1.021
46	2932	o[fptk]o	51	1.001
47	2933	[fptk] + c | c[s | fptk] + e4o	51	1.001
		o[fptk]o (51)		
1	750	a-axis of [yo][fptk][ao][lr]	1731	2.268
2	888	o[fptk]ai4n	1598	2.094
3	1049	o[fptk]e4dy	1444	1.892
4	1123	c | c[s | fptk] + e4dy	1395	1.828
5	1690	oi4[dlrsmg | n]	1124	1.473
6	1845	[yo]kai0-4n	1067	1.398
7	2027	okai0-4n	994	1.302
8	2242	oke4dy	933	1.222
9	2255	ai4[dlrsmg]	930	1.219
10	2271	[yo][fptk]e4o[dlrsmg]	924	1.211
11	2585	ol[dtk]	842	1.103
12	2846	ai4[lr]	782	1.025
		[yo][fptk]e4od (355)		
1	121	o[fptk]c + e0-4dy	554	5.053
2	203	ek[yoa]	446	4.068
3	241	[fptk]ai4[dlrsmg | n]	411	3.748
4	287	[fp]c-Initial	387	3.530
5	328	cear variants	365	3.329
6	366	tc-initial	345	3.147
7	459	pc-initial	307	2.800
8	460	ai4l	306	2.791
9	466	oi	304	2.773
10	469	cear verbs	303	2.763
11	472	opc + e0-4 + y | dy | o[dlrs]y	302	2.754
12	590	olcey relative	277	2.526
13	619	ce4ai4n	271	2.472
14	700	oi4n Superset	257	2.344
15	712	cean variants	255	2.326
16	713	ek[yo]	255	2.326
17	951	cteo-initial	220	2.006
18	974	eky	217	1.979
19	975	ke4dy	217	1.979
20	1002	cean verbs	213	1.943
21	1076	y + Non-[dlrs] Prefixes	205	1.870
22	1124	or[yo]	200	1.824
23	1165	cectey relatives	197	1.797
24	1178	o[dlrs]ce4y Superset	196	1.788
25	1229	eka	191	1.742
26	1230	[fptk]ai4n	191	1.742
27	1243	[fptk]ai4[lr]	190	1.733
28	1244	[dlrsmg] + ai4r	190	1.733
29	1262	cedaiin variants	189	1.724
30	1274	okce0-4dy	188	1.715
31	1300	et[yoa]	186	1.696
32	1501	otce0-4dy	172	1.569
33	1701	[fptk]e0-4y	161	1.468
34	1740	opce0-4dy	159	1.450
35	1742	o[fptk]c + e0-4ol	159	1.450
36	2155	olcey relatives (non -edy)	138	1.259
37	2222	o[fptk]c + e0-4or	135	1.231
38	2403	cedal variants	127	1.158
39	2746	Consonant Clusters	115	1.049
40	2747	et[yo]	115	1.049
41	2822	[yo][fptk | dlrsmg] + c | cs + e4o	113	1.031
42	2823	otor variants	113	1.031
43	2890	opce0-4y	111	1.012
		[yo][fp][yoa] (339)		
1	90	[tk]c-Initial	667	5.809
2	103	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	5.426
3	137	okal variants	544	4.738
4	214	lc-initial	457	3.980
5	285	cte4[yo]	406	3.536
6	323	do	383	3.336
7	331	so	378	3.292
8	335	ceckey relatives	377	3.283
9	399	tc-initial	345	3.005
10	456	kc-initial	322	2.804
11	465	[yo]ke4o[lr]	319	2.778
12	502	[tk]e4dy	309	2.691
13	517	pc-initial	307	2.674
14	534	cear verbs	303	2.639
15	617	okol variants	285	2.482
16	689	ce4ai4n	271	2.360
17	782	cean variants	255	2.221
18	959	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	2.003
19	1003	[yo]ke4ol	223	1.942
20	1029	cteo-initial	220	1.916
21	1054	ke4dy	217	1.890
22	1097	cean verbs	213	1.855
23	1151	oy + oe4y	207	1.803
24	1170	[tk]e4o	206	1.794
25	1205	om	203	1.768
26	1272	cectey relatives	197	1.716
27	1290	o[dlrs]ce4y Superset	196	1.707
28	1349	eka	191	1.663
29	1354	dairol/soral relatives	190	1.655
30	1355	[fptk]ai4[lr]	190	1.655
31	1387	okce0-4dy	188	1.637
32	1419	cte4y	186	1.620
33	1420	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	1.620
34	1526	[sr]c-Initial	179	1.559
35	1641	cke4[yo]	172	1.498
36	1836	[fptk]e0-4y	161	1.402
37	1883	[fptk | dlrsmg] + c | c[s | fptk] + e4os	158	1.376
38	2207	ece Noun	142	1.237
39	2230	oy	141	1.228
40	2289	olcey relatives (non -edy)	138	1.202
41	2317	ke4o	137	1.193
42	2358	o[fptk]c + e0-4or	135	1.176

338	[yo][fptk]e4o[dlrsmg]	924	8.427	26	17.573
481	[yo]dy endings	1228	11.200	24	12.800
677	[yo]ke4o[dlrsmg]	584	5.326	15	9.674
700	o[tk]e0-4y	2042	18.624	28	9.376
764	[yo][fptk]e4od	355	3.238	12	8.762
864	[yo]te4o[dlrsmg]	341	3.110	11	7.890
960	y[fptk]-initial	1295	11.811	19	7.189
977	oe sans oy + oe4y, oe0-4s	317	2.891	10	7.109
987	oke0-4y	1314	11.984	19	7.016
1027	oe	463	4.223	11	6.777
1071	oce4y + infixed versions	379	3.457	10	6.543
1101	[yo][fptk]e4od + y	284	2.590	9	6.410
1165	[yo]ke4od	207	1.888	8	6.112
1258	[yo]ce4y + infixed versions	466	4.250	10	5.750
1414	[yo]ke4o	89	0.812	6	5.188
1449	[yo][fptk]e4ol	322	2.937	8	5.063

404	[yo][fp][yoa]	339	2.952	18	15.048
568	[yo][fp]a	200	1.742	13	11.258
669	[yo]pa	141	1.228	11	9.772
763	ai4[dlrsmg | n]	1519	13.229	22	8.771
862	ai4[dlrsmg]	930	8.100	16	7.900
925	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	27.591	35	7.409
934	opc + e0-4 + y | dy | o[dlrs]y	302	2.630	10	7.370
1147	y-initial	1926	16.774	23	6.226
1217	o[lr][yoa]	1044	9.092	15	5.908
1304	o[lr][oa]	735	6.401	12	5.599
1463	[yo][fp]ai0-4[rn]	111	0.967	6	5.033
1464	opce0-4y	111	0.967	6	5.033

43	2432	oc[fpt]e4y	132	1.150
44	2573	[yo][fptk]e4or	127	1.106
45	2929	et[yo]	115	1.002
		osa (66)		
1	107	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	5.372
2	116	c + e4dy	3053	5.177
3	428	[dlrsmg | fptk] + ai4n	1724	2.923
4	630	[dlrsmg | fptk] + ai4[dlrsmg]	1444	2.448
5	685	c | c[s | fptk] + e4dy	1395	2.365
6	773	oke0-4y	1314	2.228
7	1009	dai4n	1140	1.933
8	1217	[dlrsmg] + ai4[lr] + y-suffix	1035	1.755
9	1668	[dlrsmg]ai4[lr]	875	1.484
10	1891	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	1.372
11	2095	ce4dy	755	1.280
12	2184	[dlrsmg | fptk]e0-4y	735	1.246
13	2683	oe0-4s	632	1.072
14	2729	c[s | fptk]e4dy	622	1.055
		[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (2246)		
1	19	dairol/soral relatives	190	10.963
2	112	a[dlrsmg]c	91	5.251
3	131	dcedy relatives	85	4.905
4	233	oe4y	66	3.808
5	303	[yo]te4os	60	3.462
6	304	oce4y	60	3.462
7	311	o[fptk]edai4n	59	3.404
8	418	o[fptk]o	51	2.943
9	655	[yo][fptk]ce4d	42	2.423
10	717	o[fptk]edal	40	2.308
11	807	o[fptk]d	38	2.193
12	989	[fptk][dlrs] Prefixes	34	1.962
13	1038	odai0-4m	33	1.904
14	1039	[fptk | dlrs] prefixes to daiin	33	1.904
15	1250	cedam variants	30	1.731
16	1337	ycse4y	29	1.673
17	1756	opor variants	25	1.443
18	1979	ofce0-4y	23	1.327
19	1980	a[fptk]a	23	1.327
20	2119	eto	22	1.269
21	2266	olp	21	1.212
22	2416	ocees relatives	20	1.154
23				
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		[fptk | dlrsmg] + c | c[s | fptk] + e4o (503)		
1	41	cse4dy	585	7.560
2	265	c | cs + e0-4[dlrsmg]	281	3.631
3	649	c | cs + e0-4s	188	2.429
4	650	okce0-4dy	188	2.429
5	672	et[yoa]	186	2.404
6	745	cedar variants	176	2.274
7	781	otce0-4dy	172	2.223
8	856	ce0-4s	165	2.132
9	1126	[yo]pa	141	1.822
10	1224	o[fptk]c + e0-4or	135	1.745
11	1326	[yo]te4o[lr]	130	1.680
12	1376	cedal variants	127	1.641
13	1377	[yo][fptk]e4or	127	1.641
14	1400	olai0-4n	126	1.628
15	1661	et[yo]	115	1.486
16	1802	[yo]c + e4dy	110	1.421
17	1896	o[fptk]e4os	106	1.370
18	1922	aro[dlrsmg]	105	1.357

9	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	129.599	301	171.401
14	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	70.801	177	106.199
45	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	95.728	163	67.272
67	[dlrsmg | fptk] + ai4n	1724	99.479	155	55.521
69	c + c[s | fptk]e4y	1624	93.708	148	54.292
70	dai4n	1140	65.781	120	54.220
71	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	118.867	173	54.133
80	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	42.296	94	51.704
81	cte4[yo]	406	23.427	74	50.573
87	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	182.801	232	49.199
116	c[s | fptk]e4y	887	51.182	91	39.818
169	cteo-initial	220	12.694	42	29.306
201	c[fptk]e4y	310	17.888	44	26.112
252	ea	1195	68.954	91	22.046
264	cte4y	186	10.733	32	21.267
272	ce4a	1009	58.222	79	20.778
329	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	29.947	48	18.053
345	o[lr][yo]	583	33.640	51	17.360
384	cean verbs	213	12.291	28	15.709
397	ce4ai4n	271	15.637	31	15.363
399	cean variants	255	14.714	30	15.286
416	ce4y	737	42.527	57	14.473
429	o-axis of [yo][fptk][ao][lr]	764	44.084	58	13.916
437	o[lr][yoa]	1044	60.241	74	13.759
444	cse4y	578	33.352	47	13.648
466	cke4[yo]	172	9.925	23	13.075
488	[yo]ke4o[lr]	319	18.407	31	12.593
504	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	46.681	59	12.319
506	[fptk]ai4[dlrsmg | n]	411	23.716	36	12.284
576	[yo]dy endings	1228	70.858	82	11.142
581	[yo][fptk]e4o[lr]	449	25.908	37	11.092
614	ol[yo]	388	22.388	33	10.612
643	o[lr]o	274	15.810	26	10.190
662	olo	175	10.098	20	9.902
663	do	383	22.100	32	9.900
708	[yo]ke4o[dlrsmg]	584	33.698	43	9.302
833	[yo]ke4ol	223	12.868	21	8.132
896	o[lr]y	318	18.349	26	7.651
897	cke4y	93	5.366	13	7.634
904	cpe4[yo]	94	5.424	13	7.576
915	ceal variants	269	15.522	23	7.478
941	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	25.677	33	7.323
947	om	203	11.714	19	7.286
968	cpeo-initial	67	3.866	11	7.134
990	[fptk]ai4n	191	11.021	18	6.979
1006	[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	3.116	10	6.884
1037	ceal verbs	230	13.272	20	6.729
1038	or[yoa]	438	25.274	32	6.726
1045	ko	179	10.329	17	6.671
1060	o[lr][oa]	735	42.411	49	6.589
1065	ol[yoa]	614	35.429	42	6.571
1084	or[yo]	200	11.540	18	6.460
1099	[yo][fptk]e4ol	322	18.580	25	6.420
1152	otol variants	239	13.791	20	6.209
1185	[yo]c[fptk]e4y	294	16.964	23	6.036
1226	ol[oa]	401	23.139	29	5.861
1227	[dlrsmg]e0-4y	453	26.139	32	5.861
1232	ol[ds]	315	18.176	24	5.824
1251	ory	108	6.232	12	5.768
1275	o[dlrs]ce4y Superset	196	11.310	17	5.690
1326	dai4m	130	7.501	13	5.499
1340	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	44	2.539	8	5.461
1344	ckeo-initial	79	4.558	10	5.442
1362	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	28	1.616	7	5.384
1377	oc[fptk]e4y	289	16.676	22	5.324
1386	ek[yo]	255	14.714	20	5.286
1423	[yo]e4 | c + [fp]	84	4.847	10	5.153
1461	[fptk]ai4[lr]	190	10.963	16	5.037
166	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	26.621	56	29.379
215	[tk]c-Initial	667	8.619	33	24.381
308	[dlrsmg | fptk] + ai4n	1724	22.279	41	18.721
311	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	21.439	40	18.561
354	kc-initial	322	4.161	21	16.839
426	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	29.024	43	13.976
456	l[fptk] Prefixes	514	6.642	20	13.358
457	dai4n	1140	14.732	28	13.268
463	lk-initial	454	5.867	19	13.133
473	c[fptk]e4y	310	4.006	17	12.994
484	cte4[yo]	406	5.247	18	12.753
495	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	10.454	23	12.546
516	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	40.939	53	12.061
572	ke4o	137	1.770	13	11.230
617	c[s | fptk]e4y	887	11.462	22	10.538
690	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	6.500	16	9.500
706	[tk]e4o	206	2.662	12	9.338
773	Single-Letter Words	566	7.314	16	8.686

19	1971	sc-initial	103	1.331
20	1998	cse0-4s	102	1.318
21	1999	oro	102	1.318
22	2098	[yo]te4ol	99	1.279
23	2123	o[tk]e4s	98	1.266
24	2200	[yo]ke4or	96	1.241
25	2290	ety	93	1.202
26	2291	ols	93	1.202
27	2328	a[dlrsmg]am	92	1.189
28	2356	a[dlrsmg]c	91	1.176
29	2357	te4dy	91	1.176
30	2388	edo	90	1.163
31	2428	c | cs + e0-4d	89	1.150
32	2429	[yo]ke4o	89	1.150
33	2473	o + c | cs + e4o[lr]	88	1.137
34	2474	[yo][fptk]e4o	88	1.137
35	2506	yce4y + infixed versions	87	1.124
36	2593	dcedy relatives	85	1.098
37	2627	[yo]e4 | c + [fp]	84	1.086
38	2712	yce4y + s infixes	82	1.060
39	2854	e[fp][yoa]	79	1.021
40	2855	o[fptk] endings	79	1.021
		[fptk | dlrsmg] + c | c[s | fptk] + e4od (68)		
1	1397	oke4dy	933	1.630
2	1412	ai4[dlrsmg]	930	1.625
3	1548	c[s | fptk]e4y	887	1.550
4	1815	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	1.413
5	1897	eda	784	1.370
6	1901	ai4[lr]	782	1.366
7	2093	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	1.281
8	2901	cse4y	578	1.010
		[fptk | dlrsmg] + c | c[s | fptk] + e4ody (445)		
1	62	o[lr][yo]	583	6.665
2	115	lc-initial	457	5.225
3	166	ol[yo]	388	4.436
4	245	[dlrsmg] + c | c[s | fptk] + e4dy	327	3.738
5	264	o[lr]y	318	3.636
6	296	ai4l	306	3.498
7	301	cear verbs	303	3.464
8	360	olcey relative	277	3.167
9	369	o[lr]o	274	3.133
10	582	oly	222	2.538
11	583	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	2.538
12	734	or[yo]	200	2.287
13	762	cectey relatives	197	2.252
14	875	o[fptk]eda[lrsm | n]	184	2.104
15	962	olo	175	2.001
16	1108	[fptk]e0-4y	161	1.841
17	1429	[yo]pa	141	1.612
18	1486	olcey relatives (non -edy)	138	1.578
19	1624	g	132	1.509
20	1734	cedal variants	127	1.452
21	1758	olai0-4n	126	1.441
22	2005	Consonant Clusters	115	1.315
23	2006	rai4n	115	1.315
24	2062	[yo]ce4y	113	1.292
25	2063	otor variants	113	1.292
26	2211	ory	108	1.235
27	2382	oro	102	1.166
28	2826	edo	90	1.029
29	2873	c | cs + e0-4d	89	1.018
30				
31				
32				
		[fptk | dlrsmg] + c | c[s | fptk] + e4ol (1227)		
1	82	dairol/soral relatives	190	5.989
2	104	[yo]ce4y + s infixes	172	5.422
3	213	cedal variants	127	4.003
4	280	[yo]ce4y	113	3.562
5	321	o[fptk]e4os	106	3.341
6	403	Detached Class Modifiers	95	2.995
7	438	a[dlrsmg]c	91	2.869
8	442	oce4y + s infixes	90	2.837
9	443	edo	90	2.837
10	512	dcedy relatives	85	2.679
11	555	yce4y + s infixes	82	2.585
12	677	rc-initial	76	2.396
13	847	o[fptk][dlrsmg]	68	2.144
14	873	yd[ao]i0-4[lrm | n]	67	2.112
15	895	oe4y	66	2.081
16	896	o[fptk][ao]s	66	2.081
17	897	osa	66	2.081
18	916	ydai0-4[lrm | n]	65	2.049
19	996	cear nouns	62	1.954
20	1021	faceys relatives	61	1.923
21	1050	[yo]te4os	60	1.891
22	1051	oce4y	60	1.891
23	1090	[yo]fa	59	1.860
24	1091	o[fptk]edai4n	59	1.860
25	1119	o[tk][ao]s	58	1.828
26	1163	[yo]cse4y	57	1.797
27	1339	yce4y	53	1.671
28	1436	o[fptk]o	51	1.608
29	1553	[yo]te4o	49	1.545
30	1615	[yo]c + e4ody	48	1.513
31	1743	[yo]ke4os	46	1.450
32	1744	ep[yoa]	46	1.450
33	1991	[yo][fptk]ce4d	42	1.324
34	2143	o + c | cs + e4or	40	1.261
35	2144	ydai0-4n	40	1.261
36	2145	yd[ao]i0-4n	40	1.261
37	2146	o[fptk]edal	40	1.261
38	2301	yc + e4o	38	1.198
39	2302	od[fptk | dlrsmg]	38	1.198
40	2303	o[fptk]d	38	1.198

852	c + c[s | fptk]e4y	1624	20.986	29	8.014
908	tc-initial	345	4.458	12	7.542
1026	cke4[yo]	172	2.223	9	6.777
1058	cte4y	186	2.404	9	6.596
1128	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	6.707	13	6.293
1156	cteo-initial	220	2.843	9	6.157
1158	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	15.856	22	6.144
1162	[yo]dy endings	1228	15.869	22	6.131
1170	lc-initial	457	5.906	12	6.094
1231	oe0-4s	632	8.167	14	5.833
1319	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	9.472	15	5.528
1395	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	5.751	11	5.249
1466	rc-initial	76	0.982	6	5.018
253	[yo]dy endings	1228	14.039	36	21.961
383	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	16.246	32	15.754
521	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	18.967	31	12.033
636	[yo][fptk][ao][lr]	2688	30.731	41	10.269
703	oc[s | fptk]e4y	319	3.647	13	9.353
709	o-axis of [yo][fptk][ao][lr]	764	8.734	18	9.266
744	[yo]c[s | fptk]e4y	353	4.036	13	8.964
771	oc[fptk]e4y	289	3.304	12	8.696
775	oce4y + infixed versions	379	4.333	13	8.667
779	[yo]c[fptk]e4y	294	3.361	12	8.639
802	o[fptk]c + e0-4y	753	8.609	17	8.391
805	otc + e0-4 + y | dy | o[dlrs]y	493	5.636	14	8.364
882	okol variants	285	3.258	11	7.742
885	od[ao]i0-4[lrm | n]	813	9.295	17	7.705
891	[yo]ce4y + infixed versions	466	5.328	13	7.672
940	[yo]ke4o[dlrsmg]	584	6.677	14	7.323
1000	[yo]d[ao]i0-4[lrm | n]	880	10.061	17	6.939
1004	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	5.087	12	6.913
1032	[yo][fptk]e4od + y	284	3.247	10	6.753
1067	okc + e0-4 + y | dy | o[dlrs]y	563	6.437	13	6.563
1089	[yo][fptk]e4o[dlrsmg]	924	10.564	17	6.436
1117	odai0-4n	408	4.664	11	6.336
1122	od[ao]i0-4n	410	4.687	11	6.313
1145	odai0-4[lrm | n]	767	8.769	15	6.231
1178	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	5.933	12	6.067
1209	[yo][fptk]e4od	355	4.059	10	5.941
1224	yodai0-4n	448	5.122	11	5.878
1228	[yo]d[ao]i0-4n	450	5.145	11	5.855
1288	[yo]ke4od	207	2.367	8	5.633
1330	oc[fpt]e4y	132	1.509	7	5.491
1331	yodai0-4[lrm | n]	832	9.512	15	5.488
1379	oda	847	9.683	15	5.317
20	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	70.801	162	91.199
30	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	38.679	115	76.321
38	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	99.865	173	73.135
51	[dlrsmg | fptk] + ai4n	1724	54.346	118	63.654
76	dai4n	1140	35.936	88	52.064
195	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	52.297	79	26.703
204	cte4[yo]	406	12.798	38	25.202
330	[fptk]ai4[dlrsmg | n]	411	12.956	31	18.044
403	cteo-initial	220	6.935	22	15.065
445	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	16.360	30	13.640
496	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	25.502	38	12.498
520	c[s | fptk]e4y	887	27.961	40	12.039
526	[fptk]ai4n	191	6.021	18	11.979
530	[yo]ke4o[lr]	319	10.056	22	11.944
538	c + c[s | fptk]e4y	1624	51.193	63	11.807
573	c[fptk]e4y	310	9.772	21	11.228
582	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	64.937	76	11.063
587	[tk]c-Initial	667	21.026	32	10.974
597	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	23.106	34	10.894
600	[yo][fptk]e4o[lr]	449	14.154	25	10.846
646	cte4y	186	5.863	16	10.137
657	[yo]ke4ol	223	7.030	17	9.970
661	do	383	12.073	22	9.927
667	[dlrsmg | fptk]e0-4y	735	23.169	33	9.831
672	[dlrsmg]e0-4y	453	14.280	24	9.720
691	[dlrsmg | fptk] + ai4[dlrsmg]	1444	45.519	55	9.481
710	[tk]e4dy	309	9.741	19	9.259
758	[yo][fptk]e4ol	322	10.150	19	8.850
806	ko	179	5.643	14	8.357
816	[yo]dy endings	1228	38.710	47	8.290
856	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	14.028	22	7.972
903	[yo]ke4o[dlrsmg]	584	18.409	26	7.591
967	ke4dy	217	6.840	14	7.160
1002	o-axis of [yo][fptk][ao][lr]	764	24.084	31	6.916
1012	kc-initial	322	10.150	17	6.850
1078	olo	175	5.517	12	6.483
1085	ce4ai4n	271	8.543	15	6.457
1112	ol[oa]	401	12.641	19	6.359
1193	[fptk]ai4[lr]	190	5.989	12	6.011
1204	cean variants	255	8.038	14	5.962

41	2380	c[fptk]e4dy	37	1.166	1218	dai4m	130	4.098	10	5.902
42	2381	[yo]d[ao]i0-4m	37	1.166	1233	[fptk] + c | c[s | fptk] + e4dy	196	6.179	12	5.822
43	2480	yodai0-4m	36	1.135	1250	ol[yo]	388	12.231	18	5.769
44	2584	[yo]fai0-4[rn]	35	1.103	1285	ol[yoa]	614	19.355	25	5.645
45	2672	ope0-4y	34	1.072	1295	o[lr][yo]	583	18.378	24	5.622
46	2673	odcey relatives	34	1.072	1387	cean verbs	213	6.714	12	5.286
47	2674	od[ao]i0-4m	34	1.072	1460	cpe4[yo]	94	2.963	8	5.037
48	2675	yc + e4ol	34	1.072						
49	2676	osai0-4n	34	1.072						
50	2677	[fptk][dlrs] Prefixes	34	1.072						
51	2782	[yo]py	33	1.040						
52	2783	odai0-4m	33	1.040						
53	2784	[fptk | dlrs] prefixes to daiin	33	1.040						
54	2902	c[fptk]e4o	32	1.009						
		[fptk | dlrsmg] + c | c[s | fptk] + e4or (733)								
1	74	[dlrsmg] + c | c[s | fptk] + e4dy	327	6.158	35	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	42.296	116	73.704
2	89	[tk]e4dy	309	5.819	115	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	38.793	79	40.207
3	201	ke4dy	217	4.086	118	c + c[s | fptk]e4y	1624	30.582	70	39.418
4	270	[fptk]ai4n	191	3.597	119	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	13.804	53	39.196
5	275	dairol/soral relatives	190	3.578	164	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	23.106	53	29.894
6	300	o[fptk]eda[lrsm | n]	184	3.465	177	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	31.242	60	28.758
7	343	otce0-4dy	172	3.239	217	cte4[yo]	406	7.646	32	24.354
8	455	[yo]e0-4[fp]e0-4[yo]	149	2.806	220	c[s | fptk]e4y	887	16.704	41	24.296
9	516	ece Noun	142	2.674	291	ce4a	1009	19.001	39	19.999
10	684	olai0-4n	126	2.373	315	ea	1195	22.504	41	18.496
11	833	Consonant Clusters	115	2.166	401	ce4y	737	13.879	29	15.121
12	902	[yo]c + e4dy	110	2.071	423	c[fptk]e4y	310	5.838	20	14.162
13	965	o[fptk]e4os	106	1.996	434	cteo-initial	220	4.143	18	13.857
14	977	aro[dlrsmg]	105	1.977	621	cte4y	186	3.503	14	10.497
15	1176	[yo][fp]o	95	1.789	647	cse4y	578	10.885	21	10.115
16	1246	a[dlrsmg]am	92	1.733	652	o[lr][yo]	583	10.979	21	10.021
17	1275	a[dlrsmg]c	91	1.714	655	cean verbs	213	4.011	14	9.989
18	1276	te4dy	91	1.714	666	oi4[dlrsmg | n]	1124	21.167	31	9.833
19	1303	edo	90	1.695	705	o[lr][yoa]	1044	19.660	29	9.340
20	1304	oce4y + s infixes	90	1.695	716	cean variants	255	4.802	14	9.198
21	1333	c | cs + e0-4d	89	1.676	753	ce4ai4n	271	5.103	14	8.897
22	1353	otod variants	88	1.657	766	or[yoa]	438	8.248	17	8.752
23	1451	dcedy relatives	85	1.601	910	dai4n	1140	21.468	29	7.532
24	1630	l-prefix + [fptk]e0-4y	80	1.507	954	or[yo]	200	3.766	11	7.234
25	1658	dl Consonant clusters	79	1.488	1031	cke4[yo]	172	3.239	10	6.761
26	1659	o[fptk] endings	79	1.488	1055	o-axis of [yo][fptk][ao][lr]	764	14.387	21	6.613
27	1772	rc-initial	76	1.431	1192	o[lr]y	318	5.988	12	6.012
28	1773	okam variants	76	1.431	1325	otol variants	239	4.501	10	5.499
29	1816	ofc + e4 + y | dy | o + [lr] Superset	75	1.412	1403	ote0-4y	731	13.766	19	5.234
30	1817	te4o	75	1.412						
31	1818	o[fptk]c + e4ody	75	1.412						
32	1923	o[fptk]edar	72	1.356						
33	1957	oe0-4[fp]oe0-4[lr]	71	1.337						
34	1997	[yo]po	70	1.318						
35	2094	yc + e4o[lr]	68	1.281						
36	2196	oe4y	66	1.243						
37	2238	ofc + e0-4 + y | dy | o[dlrs]y	65	1.224						
38	2239	olt	65	1.224						
39	2285	c | cs + e0-4l	64	1.205						
40	2373	[yo]c[fp]	62	1.168						
41	2374	oo	62	1.168						
42	2435	faceys relatives	61	1.149						
43	2492	[yo]te4os	60	1.130						
44	2493	[yo][fptk]e4d	60	1.130						
45	2494	oce4y	60	1.130						
46	2552	o[fptk]edai4n	59	1.111						
47	2663	[yo]cse4y	57	1.073						
48	2730	a[lr]an	56	1.055						
49	2875	okc + e4or	54	1.017						
		[fptk | dlrsmg] + c | c[s | fptk] + e4os (158)								
1	9	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	12.860	601	ai4[dlrsmg | n]	1519	6.166	17	10.834
2	55	[dlrsmg | fptk] + ai4n	1724	6.998	899	ai4n	589	2.391	10	7.609
3	87	[dlrsmg | fptk] + ai4[dlrsmg]	1444	5.861	1091	oe0-4s	632	2.565	9	6.435
4	150	dai4n	1140	4.627	1102	c + c[s | fptk]e4y	1624	6.592	13	6.408
5	188	[dlrsmg] + ai4[lr] + y-suffix	1035	4.201	1137	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	6.734	13	6.266
6	235	oke4dy	933	3.787	1221	odai0-4[lrm | n]	767	3.113	9	5.887
7	282	[dlrsmg]ai4[lr]	875	3.552	1274	od[ao]i0-4[lrm | n]	813	3.300	9	5.700
8	357	eda	784	3.182	1287	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	8.362	14	5.638
9	376	o-axis of [yo][fptk][ao][lr]	764	3.101	1294	yodai0-4[lrm | n]	832	3.377	9	5.623
10	492	[tk]c-Initial	667	2.707	1312	oda	847	3.438	9	5.562
11	589	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	2.529	1350	[yo]d[ao]i0-4[lrm | n]	880	3.572	9	5.428
12	851	cedai4[lrsm | n]	527	2.139	1359	c[s | fptk]e4y	887	3.601	9	5.400
13	1342	[fptk]ai4[dlrsmg | n]	411	1.668						
14	1582	ceckey relatives	377	1.530						
15	1841	tc-initial	345	1.400						
16	1842	otar variants	345	1.400						
17	1932	otal variants	333	1.352						
18	1978	[dlrsmg] + c | c[s | fptk] + e4dy	327	1.327						
19	2020	kc-initial	322	1.307						
20	2170	[tk]e4dy	309	1.254						
21	2231	opc + e0-4 + y | dy | o[dlrs]y	302	1.226						
22	2407	okol variants	285	1.157						
23	2462	otce0-4y	281	1.141						
24	2463	c | cs + e0-4[dlrsmg]	281	1.141						
25	2753	sai4n	258	1.047						
		[fptk | dlrsmg] + c | c[s | fptk] + e4om (54)								
1	957	o[fptk]e4dy	1444	2.003	1222	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	3.116	9	5.884
2	981	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	1.971						
3	1352	ea	1195	1.658						
4	1524	oi4[dlrsmg | n]	1124	1.559						
5	1676	[yo]kai0-4n	1067	1.480						
6	1843	ce4a	1009	1.400						
7	1873	okai0-4n	994	1.379						
8	2059	oke4dy	933	1.294						
9	2245	[yo]d[ao]i0-4[lrm | n]	880	1.221						
10	2360	oda	847	1.175						
11	2413	yodai0-4[lrm | n]	832	1.154						
12	2495	od[ao]i0-4[lrm | n]	813	1.128						
13	2624	eda	784	1.088						
14	2632	ai4[lr]	782	1.085						
15	2701	odai0-4[lrm | n]	767	1.064						
16	2751	ce4dy	755	1.047						
17	2759	o[fptk]c + e0-4y	753	1.045						

18	2850	ce4y	737	1.022						
19	2882	ote0-4y	731	1.014						
		c + c[s | fptk]e4y (1624)								
1	256	otam variants	88	3.672	32	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	132.176	207	74.824
2	390	ykai0-4n	73	3.046	104	[dlrsmg | fptk] + ai4n	1724	71.929	116	44.071
3	553	[yo]c[fp]	62	2.587	105	[fptk]ai4[dlrsmg | n]	411	17.148	61	43.852
4	621	[yo]fa	59	2.462	112	okai0-4n	994	41.472	82	40.528
5	657	oi4n	58	2.420	113	o[fptk]ai4n	1598	66.672	107	40.328
6	681	[yo]cse4y	57	2.378	124	[yo]kai0-4n	1067	44.518	82	37.482
7	706	a[lr]an	56	2.336	140	[tk]c-Initial	667	27.829	62	34.171
8	917	okc + e4o	49	2.044	158	oke0-4y	1314	54.823	86	31.177
9	960	opar variants	48	2.003	160	[dlrsmg | fptk] + ai4[dlrsmg]	1444	60.247	91	30.753
10	1025	[yo]ke4os	46	1.919	194	o[tk]e0-4y	2042	85.197	112	26.803
11	1219	[yo][fptk]ce4d	42	1.752	244	dai4n	1140	47.563	70	22.437
12	1282	Prefixed Versions of c | c[s | fptk] + e4dy	41	1.711	268	[fptk]ai4n	191	7.969	29	21.031
13	1475	od[fptk | dlrsmg]	38	1.585	276	ko	179	7.468	28	20.532
14	1476	o[fptk]d	38	1.585	284	[dlrsmg | fptk]e0-4y	735	30.666	51	20.334
15	1477	[yo]cp	38	1.585	287	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	33.753	54	20.247
16	1556	x	37	1.544	290	[q | fptk | dlrsmg] + oi0-4[lr]	1819	75.893	96	20.107
17	1722	a[lr]o Endings	35	1.460	310	kc-initial	322	13.435	32	18.565
18	1723	[yo]fai0-4[rn]	35	1.460	327	[fptk]ai4[lr]	190	7.927	26	18.073
19	1808	yc[s | fptk]e4y	34	1.419	343	[tk]e4o	206	8.595	26	17.405
20	1964	ofce0-4dy	32	1.335	390	tc-initial	345	14.394	30	15.606
21	2060	[yo]e0-4do + e4|i4 + [drn] & cedody	31	1.293	468	lk-initial	454	18.942	32	13.058
22	2174	ocse4y	30	1.252	493	l[fptk] Prefixes	514	21.445	34	12.555
23	2175	okc + e4ody	30	1.252	507	[fptk]e0-4y	161	6.717	19	12.283
24	2176	cedam variants	30	1.252	539	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	69.217	81	11.783
25	2272	ycse4y	29	1.210	562	ke4o	137	5.716	17	11.284
26	2371	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	28	1.168	660	lc-initial	457	19.067	29	9.933
27	2497	[fptk | dlrs] prefixes to dar	27	1.127	686	o[fptk]c + e0-4y	753	31.417	41	9.583
28	2633	a[fptk]y	26	1.085	719	[tk]e4dy	309	12.892	22	9.108
29	2768	b	25	1.043	725	c[fptk]e4y	310	12.934	22	9.066
30	2769	opor variants	25	1.043	731	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	85.948	95	9.052
31	2770	ofar variants	25	1.043	746	ke4dy	217	9.054	18	8.946
32	2931	odl	24	1.001	761	cke4[yo]	172	7.176	16	8.824
33					800	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	9.596	18	8.404
34					866	te4o	75	3.129	11	7.871
35					909	qo variants	59	2.462	10	7.538
36					949	oi4n Superset	257	10.723	18	7.277
37					1018	[dlrsmg] + ai4[lr] + y-suffix	1035	43.183	50	6.817
38					1136	[yo][fptk]e4o[lr]	449	18.733	25	6.267
39					1143	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	7.760	14	6.240
40					1144	cte4y	186	7.760	14	6.240
41					1175	[dlrsmg] + ai4r	190	7.927	14	6.073
42					1181	cte4[yo]	406	16.939	23	6.061
43					1248	[yo]te4o[dlrsmg]	341	14.227	20	5.773
44					1272	ckeo-initial	79	3.296	9	5.704
45					1311	[yo][fptk]e4ol	322	13.435	19	5.565
46					1380	oi	304	12.684	18	5.316
		cecfey relatives (10)								
1	1637	ed[yoa]	5851	1.503						
2	2097	edy	4981	1.280						
		ceckey relatives (377)								
1	94	ai4n	589	5.705	314	o[fptk]ai4n	1598	15.477	34	18.523
2	242	[fp]c-Initial	387	3.748	363	okai0-4n	994	9.627	26	16.373
3	320	tc-initial	345	3.342	388	[yo]kai0-4n	1067	10.334	26	15.666
4	334	[yo][fp][yoa]	339	3.283	544	lc-initial	457	4.426	16	11.574
5	400	c[fptk]e4y	310	3.003	571	a-axis of [yo][fptk][ao][lr]	1731	16.766	28	11.234
6	413	pc-initial	307	2.973	608	okal variants	544	5.269	16	10.731
7	416	ai4l	306	2.964	634	oke0-4y	1314	12.727	23	10.273
8	425	opc + e0-4 + y | dy | o[dlrs]y	302	2.925	735	l[fptk] Prefixes	514	4.978	14	9.022
9	795	c | c[fptk] + e4o	228	2.208	828	o[tk]e0-4y	2042	19.778	28	8.222
10	861	ece polygraph	219	2.121	993	[yo][fptk][ao][lr]	2688	26.035	33	6.965
11	907	cean verbs	213	2.063	1014	[dlrsmg] + c | c[s | fptk] + e4dy	327	3.167	10	6.833
12	970	y + Non-[dlrs] Prefixes	205	1.986	1056	lk-initial	454	4.397	11	6.603
13	1005	[yo][fp]a	200	1.937	1125	[dlrsmg | fptk] + ai4n	1724	16.698	23	6.302
14	1045	[fptk] + c | c[s | fptk] + e4dy	196	1.898	1202	oke4dy	933	9.037	15	5.963
15	1110	[dlrsmg] + ai4r	190	1.840	1256	edy	4981	48.244	54	5.756
16	1116	cedaiin variants	189	1.831	1370	ceckey relatives	377	3.651	9	5.349
17	1153	cte4y	186	1.802	1469	[tk]e4dy	309	2.993	8	5.007
18	1174	o[fptk][ao]d	185	1.792						
19	1189	o[fptk]eda[lrsm | n]	184	1.782						
20	1241	ko	179	1.734						
21	1302	olo	175	1.695						
22	1499	ocke4y	162	1.569						
23	1523	[fptk]e0-4y	161	1.559						
24	1547	ce4o	160	1.550						
25	1563	opce0-4dy	159	1.540						
26	1754	[yo]e0-4[fp]e0-4[yo]	149	1.443						
27	1755	[dlrsmg]ai4m	149	1.443						
28	1865	yodai0-4l	143	1.385						
29	1884	ece Noun	142	1.375						
30	1902	[yo]pa	141	1.366						
31	1981	ke4o	137	1.327						
32	2019	o[fptk]c + e0-4or	135	1.308						
33	2073	odai0-4l	133	1.288						
34	2074	oo + oe4o	133	1.288						
35	2101	g	132	1.278						
36	2150	dai4m	130	1.259						
37	2345	okor variants	122	1.182						
38	2604	otor variants	113	1.094						
39	2605	[yo][fptk | dlrsmg] + c | cs + e4o	113	1.094						
40	2658	opce0-4y	111	1.075						
41	2659	[yo][fp]ai0-4[rn]	111	1.075						
42	2698	[yo]c + e4dy	110	1.065						
43	2755	ory	108	1.046						
		cecpey relatives (21)								
1	1737	[yo][fptk][ao][lr]	2688	1.450						
2	2549	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	1.111						
3	2793	y-initial	1926	1.039						
		cectey relatives (197)								
1	216	ai4[lr]	782	3.958	678	o[tk]e0-4y	2042	10.335	20	9.665
2	232	o[fptk]c + e0-4y	753	3.811	772	o[fptk]e4dy	1444	7.308	16	8.692
3	407	ai4n	589	2.981	813	ote0-4y	731	3.700	12	8.300
4	424	cse4y	578	2.925	858	o[fptk]ai4n	1598	8.088	16	7.912
5	636	ai4r	483	2.445	873	edy	4981	25.210	33	7.790
6	691	[yo]ce4y + infixed versions	466	2.358	900	[yo]kai0-4n	1067	5.400	13	7.600
7	701	oe	463	2.343	929	[yo][fptk][ao][lr]	2688	13.604	21	7.396
8	732	[dlrsmg]e0-4y	453	2.293	930	ed[yoa]	5851	29.613	37	7.387
9	756	ek[yoa]	446	2.257	1131	oke4dy	933	4.722	11	6.278

10	1027	oce4y + infixed versions	379	1.918	1201	okai0-4n	994	5.031	11	5.969
11	1079	od[ao]i0-4[lr]	369	1.868	1402	a-axis of [yo][fptk][ao][lr]	1731	8.761	14	5.239
12	1179	[yo]c[s | fptk]e4y	353	1.787						
13	1273	[yo][fp][yoa]	339	1.716						
14	1281	okce0-4y	338	1.711						
15	1357	odai0-4[lr]	326	1.650						
16	1413	oa	321	1.625						
17	1427	oc[s | fptk]e4y	319	1.615						
18	1444	oe sans oy + oe4y, oe0-4s	317	1.604						
19	1461	ol[ds]	315	1.594						
20	1549	ai4l	306	1.549						
21	1566	oi	304	1.539						
22	1575	cear verbs	303	1.534						
23	1589	opc + e0-4 + y | dy | o[dlrs]y	302	1.528						
24	1655	[yo]c[fptk]e4y	294	1.488						
25	1715	oc[fptk]e4y	289	1.463						
26	1757	okol variants	285	1.442						
27	1795	otce0-4y	281	1.422						
28	1796	c | cs + e0-4[dlrsmg]	281	1.422						
29	1894	ce4ai4n	271	1.372						
30	2031	oi4n Superset	257	1.301						
31	2064	ek[yo]	255	1.291						
32	2065	cean variants	255	1.291						
33	2417	ola	228	1.154						
34	2418	[yo]d[ao]i0-4r	228	1.154						
35	2419	c | c[fptk] + e4o	228	1.154						
36	2467	old	225	1.139						
37	2508	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	1.124						
38	2594	eky	217	1.098						
39	2622	od[ao]i0-4r	215	1.088						
40	2639	ai0-4[dlrsmg][dlrsmg]	214	1.083						
41	2648	cean verbs	213	1.078						
42	2750	[yo]ke4od	207	1.048						
43	2774	[tk]e4o	206	1.043						
44	2802	yodai0-4r	205	1.038						
45	2803	cse4o	205	1.038						
46	2891	[yo][fp]a	200	1.012						
		c[fptk]e4y (310)								
1	17	c | c[s | fptk] + e4dy	1395	11.110	483	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	25.231	38	12.769
2	42	oke4dy	933	7.431	532	dai4n	1140	9.079	21	11.921
3	43	ai4[dlrsmg]	930	7.407	605	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	13.213	24	10.787
4	70	ai4[lr]	782	6.228	635	[dlrsmg | fptk] + ai4n	1724	13.730	24	10.270
5	79	ce4dy	755	6.013	738	o[fptk]c + e0-4y	753	5.997	15	9.003
6	129	c[s | fptk]e4dy	622	4.954	1029	otce0-4y	281	2.238	9	6.762
7	145	cse4dy	585	4.659	1064	ko	179	1.426	8	6.574
8	169	o[fptk]c + e0-4dy	554	4.412	1174	otc + e0-4 + y | dy | o[dlrs]y	493	3.926	10	6.074
9	227	ai4r	483	3.847	1216	o-axis of [yo][fptk][ao][lr]	764	6.085	12	5.915
10	474	otar variants	345	2.748	1286	[yo][fptk]e4o[dlrsmg]	924	7.359	13	5.641
11	496	[yo][fp][yoa]	339	2.700	1314	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	6.443	12	5.557
12	565	kc-initial	322	2.564	1351	[yo][fptk]e4o[lr]	449	3.576	9	5.424
13	622	[tk]e4dy	309	2.461	1435	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	17.888	23	5.112
14	642	ai4l	306	2.437						
15	771	o[fptk | dlrsmg][ao]m	280	2.230						
16	849	ceal variants	269	2.142						
17	1114	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	1.832						
18	1115	ceal verbs	230	1.832						
19	1134	[yo]d[ao]i0-4r	228	1.816						
20	1253	ke4dy	217	1.728						
21	1277	od[ao]i0-4r	215	1.712						
22	1391	yodai0-4r	205	1.633						
23	1464	[yo][fp]a	200	1.593						
24	1513	[fptk] + c | c[s | fptk] + e4dy	196	1.561						
25	1567	odai0-4r	193	1.537						
26	1600	eka	191	1.521						
27	1614	[fptk]ai4[lr]	190	1.513						
28	1642	okce0-4dy	188	1.497						
29	1671	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	1.481						
30	1672	et[yoa]	186	1.481						
31	1711	o[fptk]eda[lrsm | n]	184	1.465						
32	1838	cedar variants	176	1.402						
33	1895	otce0-4dy	172	1.370						
34	2090	[fptk]e0-4y	161	1.282						
35	2124	opce0-4dy	159	1.266						
36	2156	[fptk | dlrsmg] + c | c[s | fptk] + e4os	158	1.258						
37	2333	[yo]e0-4[fp]e0-4[yo]	149	1.187						
38	2510	[yo]pa	141	1.123						
39	2893	cedal variants	127	1.011						
40	2917	olai0-4n	126	1.003						
		ce4y (737)								
1	1	c | c[s | fptk] + e4dy	1395	26.413	46	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	59.984	127	67.016
2	5	ce4dy	755	14.295	122	[dlrsmg | fptk] + ai4n	1724	32.643	71	38.357
3	11	c[s | fptk]e4dy	622	11.777	139	[fptk]ai4[dlrsmg | n]	411	7.782	42	34.218
4	18	cse4dy	585	11.077	179	[dlrsmg | fptk] + ai4[dlrsmg]	1444	27.341	56	28.659
5	66	[yo][fp][yoa]	339	6.419	247	[tk]c-Initial	667	12.629	35	22.371
6	225	cse4o	205	3.882	282	[fptk]ai4n	191	3.616	24	20.384
7	236	[yo][fp]a	200	3.787	370	[dlrsmg | fptk]e0-4y	735	13.917	30	16.083
8	327	cedar variants	176	3.332	377	kc-initial	322	6.097	22	15.903
9	450	[yo]e0-4[fp]e0-4[yo]	149	2.821	392	[q | fptk | dlrsmg] + oi0-4[lr]	1819	34.442	50	15.558
10	518	[yo]pa	141	2.670	395	lk-initial	454	8.596	24	15.404
11	568	o[fptk]c + e0-4or	135	2.556	421	l[fptk] Prefixes	514	9.732	24	14.268
12	605	g	132	2.499	472	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	39.005	52	12.995
13	850	[yo][fptk | dlrsmg] + c | cs + e4o	113	2.140	474	[fptk]e0-4y	161	3.048	16	12.952
14	877	opce0-4y	111	2.102	501	[dlrsmg] + ai4[lr] + y-suffix	1035	19.597	32	12.403
15	878	[yo][fp]ai0-4[rn]	111	2.102	513	okai0-4n	994	18.821	31	12.179
16	1013	cse0-4s	102	1.931	554	dai4n	1140	21.585	33	11.415
17	1034	o[fptk]c + e0-4o	101	1.912	555	[fptk]ai4[lr]	190	3.598	15	11.402
18	1072	c[fptk]c polygraph	99	1.875	559	lc-initial	457	8.653	20	11.347
19	1073	[yo]te4ol	99	1.875	578	oke0-4y	1314	24.880	36	11.120
20	1159	[yo][fp]o	95	1.799	580	[tk]e4o	206	3.900	15	11.100
21	1294	edo	90	1.704	603	[yo]kai0-4n	1067	20.203	31	10.797
22	1315	c | cs + e0-4d	89	1.685	707	o[tk]e0-4y	2042	38.664	48	9.336
23	1345	o + c | cs + e4o[lr]	88	1.666	717	[tk]e4dy	309	5.851	15	9.149
24	1346	otam variants	88	1.666	754	ke4dy	217	4.109	13	8.891
25	1431	dcedy relatives	85	1.609	778	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	4.355	13	8.645
26	1466	[yo]e4 | c + [fp]	84	1.590	881	o[fptk]ai4n	1598	30.257	38	7.743
27	1645	e[fp][yoa]	79	1.496	926	ke4o	137	2.594	10	7.406
28	1646	dl Consonant clusters	79	1.496	928	[dlrsmg] + ai4r	190	3.598	11	7.402
29	1761	ceam variants	76	1.439	970	c[fptk]e4y	310	5.870	13	7.130
30	1804	ofc + e4 + y | dy | o + [lr] Superset	75	1.420	1044	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	15.318	22	6.682

31	1805	o[fptk]c + e4ody	75	1.420	1080	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	3.522	10	6.478
32	1867	ykai0-4n	73	1.382	1081	tc-initial	345	6.532	13	6.468
33	1942	oe0-4[fp]oe0-4[lr]	71	1.344	1093	[dlrsmg]ai4[lr]	875	16.568	23	6.432
34	1990	[yo]po	70	1.325	1299	ko	179	3.389	9	5.611
35	2077	yc + e4o[lr]	68	1.288						
36	2223	olt	65	1.231						
37	2224	ofc + e0-4 + y | dy | o[dlrs]y	65	1.231						
38	2364	[yo]c[fp]	62	1.174						
39	2410	ceam verbs	61	1.155						
40	2476	e[tk]o	60	1.136						
41	2528	[yo]fa	59	1.117						
42	2529	ytai0-4n	59	1.117						
43	2595	oi4n	58	1.098						
44	2596	otc + e4or	58	1.098						
45	2645	o[fptk]ce4[lrsmg]	57	1.079						
46	2646	[yo]cse4y	57	1.079						
47	2647	odo	57	1.079						
48	2708	a[lr]an	56	1.060						
49	2851	okc + e4or	54	1.022						
50	2916	Double c-Sequence Nouns	53	1.004						
		[fptk] + c | c[s | fptk] + e4dy (196)								
1	37	ai4[dlrsmg | n]	1519	7.649	141	edy	4981	25.082	59	33.918
2	144	ai4[dlrsmg]	930	4.683	143	ed[yoa]	5851	29.462	63	33.538
3	220	ai4[lr]	782	3.938	188	c + e4dy	3053	15.373	43	27.627
4	415	ai4n	589	2.966	458	o[fptk]c + e0-4dy	554	2.790	16	13.210
5	440	Single-Letter Words	566	2.850	480	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	7.155	20	12.845
6	646	ai4r	483	2.432	793	[yo][fptk][ao][lr]	2688	13.535	22	8.465
7	735	lk-initial	454	2.286	948	a-axis of [yo][fptk][ao][lr]	1731	8.716	16	7.284
8	918	cte4[yo]	406	2.044	1425	otce0-4dy	172	0.866	6	5.134
9	976	[yo]d[ao]i0-4[lr]	393	1.979						
10	1044	ceckey relatives	377	1.898						
11	1093	od[ao]i0-4[lr]	369	1.858						
12	1112	cear variants	365	1.838						
13	1177	[yo][fptk]e4od	355	1.788						
14	1220	yodai0-4[lr]	348	1.752						
15	1237	[yo]c + e4o Superclass	345	1.737						
16	1271	[yo]te4o[dlrsmg]	341	1.717						
17	1375	odai0-4[lr]	326	1.642						
18	1424	oa	321	1.616						
19	1458	oe sans oy + oe4y, oe0-4s	317	1.596						
20	1474	ol[ds]	315	1.586						
21	1514	c[fptk]e4y	310	1.561						
22	1562	ai4l	306	1.541						
23	1593	cear verbs	303	1.526						
24	1775	[yo][fptk]e4od + y	284	1.430						
25	1814	c | cs + e0-4[dlrsmg]	281	1.415						
26	1866	od endings + odcey relatives	275	1.385						
27	1905	ce4ai4n	271	1.365						
28	2039	sai4n	258	1.299						
29	2087	cean variants	255	1.284						
30	2240	od endings	243	1.224						
31	2404	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	1.158						
32	2437	[yo]d[ao]i0-4r	228	1.148						
33	2440	ola	228	1.148						
34	2482	old	225	1.133						
35	2567	cteo-initial	220	1.108						
36	2640	od[ao]i0-4r	215	1.083						
37	2670	cean verbs	213	1.073						
38	2775	[yo]ke4od	207	1.042						
39	2804	[tk]e4o	206	1.037						
40	2815	y + Non-[dlrs] Prefixes	205	1.032						
41	2816	yodai0-4r	205	1.032						
42	2817	cse4o	205	1.032						
43	2906	or[yo]	200	1.007						
		c | c[s | fptk] + e4dy (1395)								
1	21	cean variants	255	9.139	8	ed[yoa]	5851	209.694	383	173.306
2	36	cteo-initial	220	7.885	10	edy	4981	178.514	336	157.486
3	38	cean verbs	213	7.634	18	o[fptk]e4dy	1444	51.752	147	95.248
4	45	cse4o	205	7.347	39	o[fptk]ai4n	1598	57.271	130	72.729
5	50	om	203	7.275	41	oke4dy	933	33.438	104	70.562
6	73	cke4[yo]	172	6.164	62	okai0-4n	994	35.624	92	56.376
7	205	[yo][fptk | dlrsmg] + c | cs + e4o	113	4.050	65	[yo]kai0-4n	1067	38.240	94	55.760
8	261	cse0-4s	102	3.656	66	c + e4dy	3053	109.417	165	55.583
9	269	o[fptk]c + e0-4o	101	3.620	83	o[tk]e0-4y	2042	73.183	123	49.817
10	310	[yo][fp]o	95	3.405	95	oke0-4y	1314	47.093	94	46.907
11	325	ols	93	3.333	146	a-axis of [yo][fptk][ao][lr]	1731	62.037	95	32.963
12	326	cke4y	93	3.333	178	[yo][fptk][ao][lr]	2688	96.335	125	28.665
13	349	oce4y + s infixes	90	3.226	211	ote4dy	509	18.242	43	24.758
14	364	[yo][fptk]e4o	88	3.154	265	o[fptk]c + e0-4dy	554	19.855	41	21.145
15	396	c[fp]e4y + added c-sequences & cfeo-Initial	84	3.010	273	otai0-4n	430	15.411	36	20.589
16	446	ckeo-initial	79	2.831	318	[yo]tai0-4n	490	17.561	36	18.439
17	447	dl Consonant clusters	79	2.831	320	okar variants	493	17.669	36	18.331
18	578	oe0-4[fp]oe0-4[lr]	71	2.545	337	lc-initial	457	16.378	34	17.622
19	603	[yo]po	70	2.509	415	okal variants	544	19.496	34	14.504
20	618	c[fp]e4y + added c-sequences	69	2.473	430	eda	784	28.098	42	13.902
21	643	o[fptk][dlrsmg]	68	2.437	564	[dlrsmg] + c | c[s | fptk] + e4dy	327	11.719	23	11.281
22	686	otc + e4ol	66	2.365	567	okce0-4dy	188	6.738	18	11.262
23	687	osa	66	2.365	586	[fptk] + c | c[s | fptk] + e4dy	196	7.024	18	10.976
24	730	c | cs + e0-4l	64	2.294	629	o[fptk]eda[lrsm | n]	184	6.594	17	10.406
25	811	faceys relatives	61	2.186	983	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	50.927	58	7.073
26	842	oce4y	60	2.150	1016	okc + e0-4 + y | dy | o[dlrs]y	563	20.177	27	6.823
27	872	ytai0-4n	59	2.115	1036	te4dy	91	3.261	10	6.739
28	898	otc + e4or	58	2.079	1179	otal variants	333	11.934	18	6.066
29	899	oi4n	58	2.079	1208	ce4dy	755	27.059	33	5.942
30	919	[yo]cse4y	57	2.043	1254	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	8.243	14	5.757
31	949	a[lr]an	56	2.007	1353	o[fptk]edar	72	2.580	8	5.420
32	1006	[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	1.935	1470	c | c[s | fptk] + e4dy	1395	49.996	55	5.005
33	1007	okc + e4or	54	1.935						
34	1122	o[fptk]o	51	1.828						
35	1214	okc + e4o	49	1.756						
36	1266	[yo]c + e4ody	48	1.720						
37	1267	o + c | cs + e4ol	48	1.720						
38	1489	otc + e4o	44	1.577						
39	1490	[yo][fp]y	44	1.577						
40	1560	cean nouns	43	1.541						
41	1767	ydai0-4n	40	1.434						
42	1768	yd[ao]i0-4n	40	1.434						
43	1912	yc + e4o	38	1.362						
44	1913	o[fptk]d	38	1.362						
45	1914	od[fptk | dlrsmg]	38	1.362						
46	1915	ceal nouns	38	1.362						

47	1988	[yo]d[ao]i0-4m	37	1.326
48	2066	yodai0-4m	36	1.290
49	2169	a[lr]o Endings	35	1.254
50	2247	odcey relatives	34	1.219
51	2248	ope0-4y	34	1.219
52	2249	yc + e4ol	34	1.219
53	2251	osai0-4n	34	1.219
54	2252	ol + c | cs + e4o[lr]	34	1.219
55	2253	od[ao]i0-4m	34	1.219
56	2254	yc[s | fptk]e4y	34	1.219
57	2342	[yo]py	33	1.183
58	2340	odai0-4m	33	1.183
59	2553	c + e4 + [fptk] Nouns	31	1.111
60	2554	[yo]e0-4do + e4|i4 + [drn] & cedody	31	1.111
61	2555	opc + e4ol	31	1.111
62	2656	okc + e4ody	30	1.075
63	2657	ocse4y	30	1.075
64	2790	otc + e4ody	29	1.039
65	2791	opai0-4n	29	1.039
66	2792	ycse4y	29	1.039
67	2918	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	28	1.003
68	2919	o[tk][lr]	28	1.003
		c[fptk]e4dy (37)		
1	853	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	2.135
2	992	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	1.958
3	1366	a-axis of [yo][fptk][ao][lr]	1731	1.645
4	1487	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	1.577
5	1555	c + c[s | fptk]e4y	1624	1.544
6	1750	ai4[dlrsmg | n]	1519	1.444
7	1987	c | c[s | fptk] + e4dy	1395	1.326
8	2379	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	1.166
9	2477	ea	1195	1.136
		c + e4dy (3053)		
1	2	cean variants	255	20.001
2	3	cteo-initial	220	17.256
3	4	cean verbs	213	16.707
4	8	cke4[yo]	172	13.491
5	47	cke4y	93	7.294
6	64	c[fp]e4y + added c-sequences & cfeo-Initial	84	6.589
7	71	ckeo-initial	79	6.196
8	105	c[fp]e4y + added c-sequences	69	5.412
9	125	c | cs + e0-4l	64	5.020
10	136	faceys relatives	61	4.785
11	156	oi4n	58	4.549
12	157	otc + e4or	58	4.549
13	186	[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	4.235
14	187	okc + e4or	54	4.235
15	228	okc + e4o	49	3.843
16	313	cean nouns	43	3.373
17	408	ceal nouns	38	2.981
18	409	yc + e4o	38	2.981
19	433	[yo]d[ao]i0-4m	37	2.902
20	449	yodai0-4m	36	2.824
21	521	ol + c | cs + e4o[lr]	34	2.667
22	522	yc[s | fptk]e4y	34	2.667
23	523	od[ao]i0-4m	34	2.667
24	524	odcey relatives	34	2.667
25	525	yc + e4ol	34	2.667
26	552	odai0-4m	33	2.588
27	647	c + e4 + [fptk] Nouns	31	2.431
28	694	okc + e4ody	30	2.353
29	743	opai0-4n	29	2.275
30	744	ycse4y	29	2.275
31	804	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	28	2.196
32	866	cpe4y	27	2.118
33	922	cfe4[yo]	26	2.039
34	923	a[fptk]y	26	2.039
35	924	opai0-4n	26	2.039
36	990	b	25	1.961
37	1059	odl	24	1.882
38	1150	a[fptk]a	23	1.804
39	1259	eto	22	1.726
40	1361	o[fptk]c + e4od	21	1.647
41	1362	cecpey relatives	21	1.647
42	1500	ocees relatives	20	1.569
43	1654	o[fptk | dlrsmg]e4g	19	1.490
44	1821	c + e4 + [fptk]c Nouns	18	1.412
45	2164	otos variants	16	1.255
46	2858	or[fptk | dlrsmg]	13	1.020
47	2859	e4n	13	1.020
48	2860	okom variants	13	1.020
49	2861	okos variants	13	1.020
50	2862	[yo][fptk]e4om	13	1.020
51				
52				
53				
54				
55				
56				
		oy + oe4y (207)		
1	77	dai4n	1140	6.063
2	550	[yo]tai0-4n	490	2.606
3	736	otai0-4n	430	2.287
4	1005	cear variants	365	1.941
5	1154	[yo][fp][yoa]	339	1.803
6	1334	ol[ds]	315	1.675
7	1407	ai4l	306	1.627
8	1432	cear verbs	303	1.611
9	1728	o[lr]o	274	1.457
10	1761	ce4ai4n	271	1.441
11	1926	cean variants	255	1.356
12	2307	old	225	1.197
13	2345	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	1.181
14	2417	eky	217	1.154
15	2418	ke4dy	217	1.154
16	2472	ai0-4[dlrsmg][dlrsmg]	214	1.138
17	2487	cean verbs	213	1.133
18	2706	or[yo]	200	1.064
19	2707	[yo][fp]a	200	1.064
20	2754	cectey relatives	197	1.048
21	2880	[fptk]ai4n	191	1.016

1	ed[yoa]	5851	458.923	917	458.077
2	edy	4981	390.684	806	415.316
5	c + e4dy	3053	239.462	432	192.538
6	o[fptk]e4dy	1444	113.260	305	191.740
11	oke4dy	933	73.180	216	142.820
19	o[fptk]ai4n	1598	125.339	219	93.661
23	o[fptk]c + e0-4dy	554	43.453	131	87.547
24	[yo][fptk][ao][lr]	2688	210.833	298	87.167
28	okai0-4n	994	77.964	155	77.036
31	a-axis of [yo][fptk][ao][lr]	1731	135.771	211	75.229
36	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	111.456	185	73.544
37	[yo]kai0-4n	1067	83.690	157	73.310
64	o[tk]e0-4y	2042	160.164	216	55.836
78	oke0-4y	1314	103.063	155	51.937
90	ote4dy	509	39.923	88	48.077
117	eda	784	61.493	101	39.507
127	lc-initial	457	35.845	72	36.155
132	okce0-4dy	188	14.746	50	35.254
167	[dlrsmg] + c | c[s | fptk] + e4dy	327	25.648	55	29.352
168	okal variants	544	42.669	72	29.331
175	okc + e0-4 + y | dy | o[dlrs]y	563	44.159	73	28.841
198	[fptk] + c | c[s | fptk] + e4dy	196	15.373	42	26.627
199	okar variants	493	38.668	65	26.332
221	otai0-4n	430	33.727	58	24.273
232	opc + e0-4 + y | dy | o[dlrs]y	302	23.687	47	23.313
243	[yo]tai0-4n	490	38.433	61	22.567
277	opce0-4dy	159	12.471	33	20.529
279	otce0-4dy	172	13.491	34	20.509
335	cedai4[lrsm | n]	527	41.335	59	17.665
353	te4dy	91	7.138	24	16.862
382	[tk]e4dy	309	24.236	40	15.764
490	o[fptk]eda[lrsm | n]	184	14.432	27	12.568
535	otal variants	333	26.119	38	11.881
552	ofce0-4dy	32	2.510	14	11.490
579	ofc + e4 + y | dy | o + [lr] Superset	75	5.883	17	11.117
584	cedal variants	127	9.961	21	11.039
595	ofc + e0-4 + y | dy | o[dlrs]y	65	5.098	16	10.902
630	otc + e0-4 + y | dy | o[dlrs]y	493	38.668	49	10.332
633	olcey relative	277	21.726	32	10.274
674	[yo][fptk]ce4d	42	3.294	13	9.706
688	l[drs] Prefixes	95	7.451	17	9.549
748	pc-initial	307	24.080	33	8.920
777	[fp]c-Initial	387	30.354	39	8.646
811	olk	557	43.688	52	8.312
815	ol[tk]	621	48.708	57	8.292
869	ece polygraph	219	17.177	25	7.823
875	Prefixed Versions of c | c[s | fptk] + e4dy	41	3.216	11	7.784
945	[yo][fptk]e4d	60	4.706	12	7.294
982	o-axis of [yo][fptk][ao][lr]	764	59.924	67	7.076
984	okam variants	76	5.961	13	7.039
999	otar variants	345	27.060	34	6.940
1110	qo variants	59	4.628	11	6.372
1225	ece Noun	142	11.138	17	5.862
1243	ce4dy	755	59.218	65	5.782
1418	cedaiin variants	189	14.824	20	5.176
1459	rc-initial	76	5.961	11	5.039
662	[tk]e4o	206	1.096	11	9.904
820	ke4o	137	0.729	9	8.271
951	c[s | fptk]e4y	887	4.717	12	7.283
1084	[yo]dy endings	1228	6.531	13	6.469
1189	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	10.955	17	6.045
1370	c + c[s | fptk]e4y	1624	8.637	14	5.363

22	2881	eka	191	1.016						
23	2905	[fptk]ai4[lr]	190	1.010						
24	2919	cedaiin variants	189	1.005						
		oe0-4s (632)								
1	61	[fptk]ai4[dlrsmg | n]	411	6.673	27	ai4[dlrsmg | n]	1519	24.664	102	77.336
2	106	otal variants	333	5.407	85	ai4n	589	9.563	59	49.437
3	110	[dlrsmg] + c | c[s | fptk] + e4dy	327	5.309	187	ai4[dlrsmg]	930	15.100	43	27.900
4	126	[tk]e4dy	309	5.017	218	ai4[lr]	782	12.697	37	24.303
5	153	otce0-4y	281	4.563	368	ai4r	483	7.842	24	16.158
6	226	otol variants	239	3.881	439	oe0-4s	632	10.262	24	13.738
7	289	ke4dy	217	3.523	726	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	26.937	36	9.063
8	358	[fptk] + c | c[s | fptk] + e4dy	196	3.182	742	y[fptk]-initial	1295	21.027	30	8.973
9	377	[fptk]ai4n	191	3.101	812	oc[fptk]e4y	289	4.692	13	8.308
10	381	[fptk]ai4[lr]	190	3.085	819	[yo]c[s | fptk]e4y	353	5.732	14	8.268
11	430	ko	179	2.906	826	[yo]c[fptk]e4y	294	4.774	13	8.226
12	544	[fptk]e0-4y	161	2.614	850	ai4l	306	4.968	13	8.032
13	557	opce0-4dy	159	2.582	870	oc[s | fptk]e4y	319	5.180	13	7.820
14	661	[dlrsmg]ai4m	149	2.419	914	oe	463	7.518	15	7.482
15	908	cedal variants	127	2.062	921	[fptk | dlrsmg] + c | c[s | fptk] + e4os	158	2.565	10	7.435
16	1080	rai4n	115	1.867	942	[ao][lr][ao][lr] Pipe/Flow	843	13.688	21	7.312
17	1113	[yo]ce4y	113	1.835	1013	oce4y + infixed versions	379	6.154	13	6.846
18	1182	[yo]c + e4dy	110	1.786	1049	a[lr][ao][lr]	391	6.349	13	6.651
19	1559	l[drs] Prefixes	95	1.542	1057	c[s | fptk]e4y	887	14.402	21	6.598
20	1648	a[dlrsmg]am	92	1.494	1092	[yo]ce4y + infixed versions	466	7.566	14	6.434
21	1680	te4dy	91	1.478	1154	cke4[yo]	172	2.793	9	6.207
22	1720	oce4y + s infixes	90	1.461	1245	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	7.225	13	5.775
23	1778	otod variants	88	1.429	1259	oi4[dlrsmg | n]	1124	18.250	24	5.750
24	1872	dcedy relatives	85	1.380	1266	y-initial	1926	31.272	37	5.728
25	1934	a[lr][fptk]	83	1.348	1290	c + c[s | fptk]e4y	1624	26.369	32	5.631
26	1935	[fptk | dlrs] prefixes to dai4[lrsm | n]	83	1.348	1298	cse4y	578	9.385	15	5.615
27	2040	l-prefix + [fptk]e0-4y	80	1.299	1309	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	8.427	14	5.573
28	2089	dl Consonant clusters	79	1.283	1318	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	36.468	42	5.532
29	2256	ofc + e4 + y | dy | o + [lr] Superset	75	1.218	1447	oi	304	4.936	10	5.064
30	2421	oe0-4[fp]oe0-4[lr]	71	1.153	1450	[yo]dy endings	1228	19.939	25	5.061
31	2422	eta	71	1.153						
32	2475	[yo]po	70	1.137						
33	2514	ece Adjective	69	1.120						
34	2515	c[fp]e4y + added c-sequences	69	1.120						
35	2581	o[fptk][dlrsmg]	68	1.104						
36	2582	e-initial	68	1.104						
37	2623	yd[ao]i0-4[lrm | n]	67	1.088						
38	2681	otc + e4ol	66	1.072						
39	2682	o[fptk][ao]s	66	1.072						
40	2723	ofc + e0-4 + y | dy | o[dlrs]y	65	1.055						
41	2724	ydai0-4[lrm | n]	65	1.055						
42	2909	cear nouns	62	1.007						
		ol[ds] (315)								
1	255	lk-initial	454	3.674	860	o[fptk]c + e0-4or	135	1.093	9	7.907
2	332	cte4[yo]	406	3.286	923	o[lr]y	318	2.573	10	7.427
3	370	[fp]c-Initial	387	3.132	997	so	378	3.059	10	6.941
4	437	[yo][fptk]e4od	355	2.873	1019	o-axis of [yo][fptk][ao][lr]	764	6.183	13	6.817
5	616	pc-initial	307	2.484	1073	otc + e4or	58	0.469	7	6.531
6	639	opc + e0-4 + y | dy | o[dlrs]y	302	2.444	1100	y-initial	1926	15.587	22	6.413
7	726	[yo][fptk]e4od + y	284	2.298	1119	dc-initial	454	3.674	10	6.326
8	746	c | cs + e0-4[dlrsmg]	281	2.274	1141	[yo][fptk][ao][lr]	2688	21.753	28	6.247
9	786	o[lr]o	274	2.217	1153	[yo]c + e4o Superclass	345	2.792	9	6.208
10	906	ek[yo]	255	2.064	1315	o[lr][yoa]	1044	8.449	14	5.551
11	1196	cteo-initial	220	1.780	1365	[yo][fptk]e4o[lr]	449	3.634	9	5.366
12	1215	eky	217	1.756	1389	o[lr][yo]	583	4.718	10	5.282
13	1216	ke4dy	217	1.756	1410	oly	222	1.797	7	5.203
14	1248	ai0-4[dlrsmg][dlrsmg]	214	1.732	1465	ol[yoa]	614	4.969	10	5.031
15	1334	[yo]ke4od	207	1.675						
16	1343	[tk]e4o	206	1.667						
17	1372	om	203	1.643						
18	1460	cectey relatives	197	1.594						
19	1552	[fptk]ai4n	191	1.546						
20	1585	cedaiin variants	189	1.530						
21	1634	cte4y	186	1.505						
22	1635	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	1.505						
23	1746	ko	179	1.449						
24	1812	olo	175	1.416						
25	1857	otce0-4dy	172	1.392						
26	2026	[fptk]e0-4y	161	1.303						
27	2054	ce4o	160	1.295						
28	2080	opce0-4dy	159	1.287						
29	2280	[yo]te4od	149	1.206						
30	2281	[dlrsmg]ai4m	149	1.206						
31	2433	ece Noun	142	1.149						
32	2694	g	132	1.068						
33	2831	cedal variants	127	1.028						
		ol[dtk] (842)								
1	27	[fp]c-Initial	387	8.372	174	[yo][fptk][ao][lr]	2688	58.147	87	28.853
2	63	pc-initial	307	6.641	275	a-axis of [yo][fptk][ao][lr]	1731	37.445	58	20.555
3	175	om	203	4.391	306	ol[dtk]	842	18.214	37	18.786
4	305	ce4o	160	3.461	331	olk	557	12.049	30	17.951
5	351	[yo]te4od	149	3.223	339	ol[tk]	621	13.433	31	17.567
6	482	olai0-4n	126	2.726	623	o-axis of [yo][fptk][ao][lr]	764	16.527	27	10.473
7	637	[yo]ce4y	113	2.444	664	l[fptk] Prefixes	514	11.119	21	9.881
8	731	o[fptk]e4os	106	2.293	825	okal variants	544	11.768	20	8.232
9	798	cse0-4s	102	2.206	879	o[fptk]e4dy	1444	31.236	39	7.764
10	813	o[fptk]c + e0-4o	101	2.185	962	lk-initial	454	9.821	17	7.179
11	814	c-sequence + e4 + [fptk] + e4 + y	101	2.185	991	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	4.024	11	6.976
12	947	ols	93	2.012	1017	oke4dy	933	20.183	27	6.817
13	1061	yce4y + infixed versions	87	1.882	1048	[q | fptk | dlrsmg] + oi0-4[lr]	1819	39.348	46	6.652
14	1198	yce4y + s infixes	82	1.774	1168	[yo]ke4o[lr]	319	6.901	13	6.099
15	1252	fc-initial	80	1.731	1173	o[fptk]c + e0-4or	135	2.920	9	6.080
16	1286	ckeo-initial	79	1.709	1187	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	4.975	11	6.025
17	1416	o[fptk]c + e4ody	75	1.622	1230	okol variants	285	6.165	12	5.835
18	1417	te4o	75	1.622	1261	otc + e4or	58	1.255	7	5.745
19	1568	eta	71	1.536	1349	ed[yoa]	5851	126.568	132	5.432
20	1569	oe0-4[fp]oe0-4[lr]	71	1.536	1374	okar variants	493	10.665	16	5.335
21	1613	[yo]po	70	1.514	1417	[yo]ke4ol	223	4.824	10	5.176
22	1693	e-initial	68	1.471	1431	o[lr]y	318	6.879	12	5.121
23	1694	[fptk | dlrsmg] + c | c[s | fptk] + e4od	68	1.471						
24	1781	oe4y	66	1.428						
25	1952	oo	62	1.341						
26	1953	[yo]c[fp]	62	1.341						
27	2043	e[tk]o	60	1.298						

28	2044	oce4y	60	1.298						
29	2045	c + e4 + [fptk] Endings	60	1.298						
30	2046	[yo]te4os	60	1.298						
31	2047	[yo][fptk]e4d	60	1.298						
32	2107	[yo]fa	59	1.276						
33	2108	qo variants	59	1.276						
34	2109	ytai0-4n	59	1.276						
35	2165	oi4n	58	1.255						
36	2218	odo	57	1.233						
37	2268	a[lr]an	56	1.211						
38	2325	okc + e4ol	55	1.190						
39	2372	[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	1.168						
40	2446	yce4y	53	1.146						
41	2503	[tk]y	52	1.125						
42	2709	okc + e4o	49	1.060						
43	2710	[dlrsmg] + c | c[s | fptk] + e4o	49	1.060						
44	2799	[yo]doi0-4[lrm | n]	48	1.038						
45	2800	opar variants	48	1.038						
		et[yoa] (186)								
1	549	okal variants	544	2.600	1400	o[tk]e0-4y	2042	9.758	15	5.242
2	627	l[fptk] Prefixes	514	2.456	1458	ed[yoa]	5851	27.959	33	5.041
3	693	okar variants	493	2.356						
4	792	oe	463	2.212						
5	831	lk-initial	454	2.169						
6	828	dc-initial	454	2.169						
7	1028	ol[oa]	401	1.916						
8	1102	[fp]c-Initial	387	1.849						
9	1154	ceckey relatives	377	1.802						
10	1360	tc-initial	345	1.649						
11	1570	oa	321	1.534						
12	1611	oe sans oy + oe4y, oe0-4s	317	1.515						
13	1707	pc-initial	307	1.467						
14	1911	okol variants	285	1.362						
15	1944	c | cs + e0-4[dlrsmg]	281	1.343						
16	1956	o[fptk | dlrsmg][ao]m	280	1.338						
17	2007	od endings + odcey relatives	275	1.314						
18	2017	o[lr]o	274	1.309						
19	2396	od endings	243	1.161						
20	2615	ola	228	1.090						
21	2754	ece polygraph	219	1.047						
22	2849	ai0-4[dlrsmg][dlrsmg]	214	1.023						
		ek[yoa] (446)								
1	167	[fp]c-Initial	387	4.434	400	[yo][fptk][ao][lr]	2688	30.800	46	15.200
2	291	pc-initial	307	3.518	711	o-axis of [yo][fptk][ao][lr]	764	8.754	18	9.246
3	295	ai4l	306	3.506	965	a-axis of [yo][fptk][ao][lr]	1731	19.834	27	7.166
4	367	o[lr]o	274	3.140	1042	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	36.300	43	6.700
5	733	[yo][fp]a	200	2.292	1043	o[fptk]ai4n	1598	18.310	25	6.690
6	823	[dlrsmg] + ai4r	190	2.177	1247	[yo]kai0-4n	1067	12.226	18	5.774
7	954	olo	175	2.005	1300	okai0-4n	994	11.389	17	5.611
8	1095	ocke4y	162	1.856						
9	1104	[fptk]e0-4y	161	1.845						
10	1127	o[fptk]c + e0-4ol	159	1.822						
11	1289	[yo]te4od	149	1.707						
12	1426	[yo]pa	141	1.616						
13	1616	g	132	1.512						
14	1753	olai0-4n	126	1.444						
15	2055	[yo][fptk | dlrsmg] + c | cs + e4o	113	1.295						
16	2115	[yo][fp]ai0-4[rn]	111	1.272						
17	2116	opce0-4y	111	1.272						
18	2147	[yo]c + e4dy	110	1.260						
19	2287	aro[dlrsmg]	105	1.203						
20	2370	oro	102	1.169						
21	2406	o[fptk]c + e0-4o	101	1.157						
22	2621	l[drs] Prefixes	95	1.089						
23	2650	cpe4[yo]	94	1.077						
24	2772	te4dy	91	1.043						
25	2773	a[dlrsmg]c	91	1.043						
26	2903	otam variants	88	1.008						
		ef[yoa] (33)								
1	1706	a-axis of [yo][fptk][ao][lr]	1731	1.468						
2	1924	o[fptk]ai4n	1598	1.355						
3	2076	ai4[dlrsmg | n]	1519	1.288						
4	2886	ea	1195	1.013						
		ep[yoa] (46)								
1	665	o[tk]e0-4y	2042	2.413						
2	991	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	1.961						
3	1537	oke0-4y	1314	1.553						
4	1819	ea	1195	1.412						
5	2319	ce4a	1009	1.192						
6	2786	[yo]d[ao]i0-4[lrm | n]	880	1.040						
7	2934	oda	847	1.001						
		o[lr][yoa] (1044)								
1	72	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	6.169	261	y-initial	1926	51.658	73	21.342
2	128	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	4.989	631	o[lr][oa]	735	19.714	30	10.286
3	412	[yo][fp]ai0-4[rn]	111	2.977	637	y[fptk]-initial	1295	34.734	45	10.266
4	575	l[drs] Prefixes	95	2.548	702	[yo][fptk]e4ol	322	8.637	18	9.363
5	606	cke4y	93	2.494	741	o[lr][yoa]	1044	28.002	37	8.998
6	640	a[dlrsmg]c	91	2.441	745	[yo][fptk]e4o[lr]	449	12.043	21	8.957
7	663	oce4y + s infixes	90	2.414	1072	ol[yoa]	614	16.468	23	6.532
8	761	[yo]e4 | c + [fp]	84	2.253	1142	ol[oa]	401	10.755	17	6.245
9	776	a[lr][fptk]	83	2.226	1151	[yo][fptk]e4o[dlrsmg]	924	24.783	31	6.217
10	845	l-prefix + [fptk]e0-4y	80	2.146	1322	[yo]te4o[lr]	130	3.487	9	5.513
11	862	o[fptk] endings	79	2.119	1352	o[lr]a	469	12.579	18	5.421
12	863	dl Consonant clusters	79	2.119	1371	[yo]te4ol	99	2.655	8	5.345
13	925	okam variants	76	2.038						
14	926	rc-initial	76	2.038						
15	948	o[fptk]c + e4ody	75	2.012						
16	993	ykai0-4n	73	1.958						
17	1037	eta	71	1.904						
18	1204	osa	66	1.770						
19	1350	[yo]c[fp]	62	1.663						
20	1433	oce4y	60	1.609						
21	1483	[yo]fa	59	1.582						
22	1533	o[tk][ao]s	58	1.556						
23	1588	o[fptk]ce4[lrsmg]	57	1.529						
24	1586	odo	57	1.529						
25	1638	a[lr]an	56	1.502						
26	1639	d[fptk | drs]	56	1.502						
27	1747	okc + e4or	54	1.448						
28	1801	Double c-Sequence Nouns	53	1.422						
29	1799	[fptk][yo]lc	53	1.422						
30	1898	o[fptk]o	51	1.368						

31	2078	[yo]doi0-4[lrm | n]	48	1.287						
32	2079	opar variants	48	1.287						
33	2275	[yo]doi0-4[lr]	45	1.207						
34	2346	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	44	1.180						
35	2590	Prefixed Versions of c | c[s | fptk] + e4dy	41	1.100						
36	2667	o + c | cs + e4or	40	1.073						
37	2866	[yo]cp	38	1.019						
38	2867	od[fptk | dlrsmg]	38	1.019						
		[ao][lr][ao][lr] Pipe/Flow (843)								
1	117	otol variants	239	5.176	723	o[lr][oa]	735	15.918	25	9.082
2	208	cte4y	186	4.028	728	ola	228	4.938	14	9.062
3	298	[fptk]e0-4y	161	3.487	759	o[lr]a	469	10.157	19	8.843
4	634	[yo][fptk | dlrsmg] + c | cs + e4o	113	2.447	767	[ao][lr][ao][lr] Pipe/Flow	843	18.257	27	8.743
5	671	[yo][fp]ai0-4[rn]	111	2.404	786	c[s | fptk]e4dy	622	13.471	22	8.529
6	705	ory	108	2.339	807	cse4dy	585	12.670	21	8.330
7	810	o[fptk]c + e0-4o	101	2.187	809	ol[oa]	401	8.685	17	8.315
8	846	c[fptk]c polygraph	99	2.144	1041	ol[yoa]	614	13.298	20	6.702
9	910	l[drs] Prefixes	95	2.057	1361	o[lr][yoa]	1044	22.611	28	5.389
10	944	cke4y	93	2.014	1391	olai0-4n	126	2.729	8	5.271
11	1036	otam variants	88	1.906	1399	ai4n	589	12.756	18	5.244
12	1245	l-prefix + [fptk]e0-4y	80	1.733	1405	okal variants	544	11.782	17	5.218
13	1278	e[fp][yoa]	79	1.711	1438	ai4[dlrsmg | n]	1519	32.898	38	5.102
14	1279	o[fptk] endings	79	1.711	1453	oa	321	6.952	12	5.048
15	1364	rc-initial	76	1.646						
16	1365	okam variants	76	1.646						
17	1414	o[fptk]c + e4ody	75	1.624						
18	1689	o[fptk][dlrsmg]	68	1.473						
19	1736	yd[ao]i0-4[lrm | n]	67	1.451						
20	1776	otc + e4ol	66	1.429						
21	1831	ydai0-4[lrm | n]	65	1.408						
22	2035	[yo][fptk]e4d	60	1.299						
23	2036	[yo]te4os	60	1.299						
24	2037	oce4y	60	1.299						
25	2102	qo variants	59	1.278						
26	2103	o[fptk]edai4n	59	1.278						
27	2104	[yo]fa	59	1.278						
28	2213	o[fptk]ce4[lrsmg]	57	1.234						
29	2214	odo	57	1.234						
30	2264	a[lr]an	56	1.213						
31	2369	[fptk | dlrsmg] + c | c[s | fptk] + e4om	54	1.170						
32	2442	Double c-Sequence Nouns	53	1.148						
33	2444	[fptk][yo]lc	53	1.148						
34	2499	[tk]y	52	1.126						
35	2580	o[fptk]o	51	1.105						
36	2706	[dlrsmg] + c | c[s | fptk] + e4o	49	1.061						
37	2707	okc + e4o	49	1.061						
38	2787	[yo]doi0-4[lrm | n]	48	1.040						
39	2788	opar variants	48	1.040						
40	2789	[yo]c + e4ody	48	1.040						
		dairol/soral relatives (190)								
1	392	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	3.041	1270	o[lr]a	469	2.289	8	5.711
2	669	okar variants	493	2.406	1354	o[lr][oa]	735	3.588	9	5.412
3	678	[yo]tai0-4n	490	2.392						
4	822	ek[yoa]	446	2.177						
5	883	otai0-4n	430	2.099						
6	952	[fptk]ai4[dlrsmg | n]	411	2.006						
7	972	cte4[yo]	406	1.982						
8	1109	ceckey relatives	377	1.840						
9	1319	tc-initial	345	1.684						
10	1348	[yo]te4o[dlrsmg]	341	1.665						
11	1539	o[lr]y	318	1.552						
12	1666	oi	304	1.484						
13	1858	okol variants	285	1.391						
14	1899	o[fptk | dlrsmg][ao]m	280	1.367						
15	1947	od endings + odcey relatives	275	1.342						
16	2009	ceal variants	269	1.313						
17	2167	oi4n Superset	257	1.255						
18	2192	ek[yo]	255	1.245						
19	2334	od endings	243	1.186						
20	2376	otol variants	239	1.167						
21	2511	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	1.123						
22	2512	ceal verbs	230	1.123						
23	2538	c | c[fptk] + e4o	228	1.113						
24	2637	oly	222	1.084						
25	2662	cteo-initial	220	1.074						
26	2692	ece polygraph	219	1.069						
27	2714	eky	217	1.059						
28	2910	[tk]e4o	206	1.006						
29	2935	cse4o	205	1.001						
		ea (1195)								
1	350	aro[dlrsmg]	105	3.224	34	ea	1195	36.688	111	74.312
2	470	edo	90	2.763	48	ce4a	1009	30.977	97	66.023
3	559	c[fp]e4y + added c-sequences & cfeo-Initial	84	2.579	234	cean variants	255	7.829	31	23.171
4	652	dl Consonant clusters	79	2.425	242	ce4ai4n	271	8.320	31	22.680
5	653	e[fp][yoa]	79	2.425	248	ai4[dlrsmg | n]	1519	46.635	69	22.365
6	723	o[fptk]c + e4ody	75	2.303	281	ai4[dlrsmg]	930	28.552	49	20.448
7	843	[yo]po	70	2.149	297	cear variants	365	11.206	31	19.794
8	864	c[fp]e4y + added c-sequences	69	2.118	298	cean verbs	213	6.539	26	19.461
9	934	o[fptk][ao]s	66	2.026	371	ai4[lr]	782	24.008	40	15.992
10	1041	oo	62	1.903	386	cear verbs	303	9.302	25	15.698
11	1139	ytai0-4n	59	1.811	422	ai4r	483	14.829	29	14.171
12	1195	o[tk][ao]s	58	1.781	425	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	50.933	65	14.067
13	1221	odo	57	1.750	438	ceal variants	269	8.259	22	13.741
14	1268	d[fptk | drs]	56	1.719	540	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	97.260	109	11.740
15	1406	[fptk][yo]lc	53	1.627	592	ceal verbs	230	7.061	18	10.939
16	1457	[tk]y	52	1.596	618	cte4[yo]	406	12.465	23	10.535
17	1508	[fptk] + c | c[s | fptk] + e4o	51	1.566	712	cteo-initial	220	6.754	16	9.246
18	1686	[yo]doi0-4[lrm | n]	48	1.474	729	om + o[fptk | dlrsmg]am	454	13.938	23	9.062
19	1687	opar variants	48	1.474	801	o[fptk | dlrsmg][ao]m	280	8.596	17	8.404
20	1820	ep[yoa]	46	1.412	898	Single-Letter Words	566	17.377	25	7.623
21	1869	[yo]doi0-4[lr]	45	1.382	972	ceam verbs	61	1.873	9	7.127
22	1933	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	44	1.351	1047	ceam variants	76	2.333	9	6.667
23	2067	[yo][fptk]ce4d	42	1.289	1109	[fptk]ai4[dlrsmg | n]	411	12.618	19	6.382
24	2154	Prefixed Versions of c | c[s | fptk] + e4dy	41	1.259	1123	ek[yoa]	446	13.693	20	6.307
25	2229	o[fptk]edal	40	1.228	1177	[dlrsmg | fptk] + ai4n	1724	52.928	59	6.072
26	2377	[yo]cp	38	1.167	1280	[dlrsmg | fptk] + ai4[dlrsmg]	1444	44.332	50	5.668
27	2378	od[fptk | dlrsmg]	38	1.167	1328	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	22.504	28	5.496
28	2478	c[fptk]e4dy	37	1.136	1420	[fptk]ai4[lr]	190	5.833	11	5.167
29	2576	ady	36	1.105	1424	[dlrsmg]ai4[lr]	875	26.863	32	5.137
30	2660	a[lr]o Endings	35	1.075						
31	2763	ol + c | cs + e4o[lr]	34	1.044						

32	2764	odcey relatives	34	1.044						
33	2765	yc + e4or	34	1.044						
34	2888	ef[yoa]	33	1.013						
		cedai4[lrsm | n] (527)								
1	182	o[lr]y	318	4.305	26	ed[yoa]	5851	79.218	157	77.782
2	345	otol variants	239	3.236	57	edy	4981	67.439	128	60.561
3	398	oly	222	3.006	92	c + e4dy	3053	41.335	89	47.665
4	411	cteo-initial	220	2.979	289	c | c[s | fptk] + e4dy	1395	18.887	39	20.113
5	457	[yo]ke4od	207	2.803	341	o[fptk]c + e0-4dy	554	7.501	25	17.499
6	491	or[yo]	200	2.708	436	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	19.239	33	13.761
7	530	o[dlrs]ce4y Superset	196	2.654	452	o[fptk]e4dy	1444	19.551	33	13.449
8	554	[fptk]ai4n	191	2.586	454	eda	784	10.615	24	13.385
9	654	ko	179	2.424	482	ce4dy	755	10.222	23	12.778
10	711	[yo]ce4y + s infixes	172	2.329	533	opc + e0-4 + y | dy | o[dlrs]y	302	4.089	16	11.911
11	817	[fptk]e0-4y	161	2.180	537	cedai4[lrsm | n]	527	7.135	19	11.865
12	942	[dlrsmg]ai4m	149	2.017	599	opce0-4dy	159	2.153	13	10.847
13	1078	olcey relatives (non -edy)	138	1.868	804	oke4dy	933	12.632	21	8.368
14	1120	o[fptk]c + e0-4or	135	1.828	981	cse4dy	585	7.920	15	7.080
15	1211	dai4m	130	1.760	1061	c[s | fptk]e4dy	622	8.421	15	6.579
16	1356	okor variants	122	1.652	1242	oi4[dlrsmg | n]	1124	15.218	21	5.782
17	1530	rai4n	115	1.557	1345	cedaiin variants	189	2.559	8	5.441
18	1531	Consonant Clusters	115	1.557	1437	ote4dy	509	6.891	12	5.109
19	1584	[yo]ce4y	113	1.530	1441	[yo]d[ao]i0-4[lrm | n]	880	11.915	17	5.086
20	1718	ory	108	1.462						
21	1798	aro[dlrsmg]	105	1.422						
22	1871	oro	102	1.381						
23	1982	o[tk]e4s	98	1.327						
24	2034	[yo]ke4or	96	1.300						
25	2149	ols	93	1.259						
26	2250	oce4y + s infixes	90	1.219						
27	2320	o + c | cs + e4o[lr]	88	1.191						
28	2352	yce4y + infixed versions	87	1.178						
29	2426	o[fptk]ody	85	1.151						
30	2507	[fptk | dlrs] prefixes to dai4[lrsm | n]	83	1.124						
31	2556	yce4y + s infixes	82	1.110						
32	2638	l-prefix + [fptk]e0-4y	80	1.083						
33	2688	dl Consonant clusters	79	1.070						
34	2689	o[fptk] endings	79	1.070						
35	2690	ckeo-initial	79	1.070						
36	2825	rc-initial	76	1.029						
37	2876	te4o	75	1.015						
38	2877	ofc + e4 + y | dy | o + [lr] Superset	75	1.015						
39	2922	okod variants	74	1.002						
		oa (321)								
1	77	[dlrsmg | fptk]e0-4y	735	6.061	192	ai4[dlrsmg | n]	1519	12.527	40	27.473
2	238	lc-initial	457	3.769	346	ai4[dlrsmg]	930	7.670	25	17.330
3	244	om + o[fptk | dlrsmg]am	454	3.744	393	ai4[lr]	782	6.449	22	15.551
4	246	[dlrsmg]e0-4y	453	3.736	505	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	13.682	26	12.318
5	475	otal variants	333	2.746	522	ai4r	483	3.983	16	12.017
6	498	[dlrsmg] + c | c[s | fptk] + e4dy	327	2.697	645	ai4n	589	4.857	15	10.143
7	529	kc-initial	322	2.655	683	c + c[s | fptk]e4y	1624	13.393	23	9.607
8	573	[tk]e4dy	309	2.548	853	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	16.988	25	8.012
9	716	o[fptk | dlrsmg][ao]m	280	2.309	916	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	18.522	26	7.478
10	857	sai4n	258	2.128	932	[yo][fptk]e4o[dlrsmg]	924	7.620	15	7.380
11	956	od endings	243	2.004	995	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	6.045	13	6.955
12	982	otol variants	239	1.971	1025	oe0-4s	632	5.212	12	6.788
13	1047	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	1.897	1164	y-initial	1926	15.883	22	6.117
14	1062	[yo]d[ao]i0-4r	228	1.880						
15	1096	old	225	1.856						
16	1175	ke4dy	217	1.790						
17	1200	od[ao]i0-4r	215	1.773						
18	1207	ai0-4[dlrsmg][dlrsmg]	214	1.765						
19	1309	yodai0-4r	205	1.691						
20	1336	om	203	1.674						
21	1423	[fptk] + c | c[s | fptk] + e4dy	196	1.616						
22	1465	odai0-4r	193	1.592						
23	1492	[fptk]ai4n	191	1.575						
24	1503	[dlrsmg] + ai4r	190	1.567						
25	1504	dairol/soral relatives	190	1.567						
26	1528	cedaiin variants	189	1.559						
27	1571	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	1.534						
28	1607	o[fptk]eda[lrsm | n]	184	1.517						
29	1683	ko	179	1.476						
30	1684	[sr]c-Initial	179	1.476						
31	1809	otce0-4dy	172	1.418						
32	1976	[fptk]e0-4y	161	1.328						
33	2226	[dlrsmg]ai4m	149	1.229						
34	2536	o[fptk]c + e0-4or	135	1.113						
35	2537	orai0-4n	135	1.113						
36	2619	oc[fpt]e4y	132	1.089						
37	2752	cedal variants	127	1.047						
		oo + oe4o (133)								
1	513	eda	784	2.679	1	2246	7.674	16	8.326	1
2	547	o-axis of [yo][fptk][ao][lr]	764	2.611	2	733	2.505	8	5.495	2
3	601	[dlrsmg | fptk]e0-4y	735	2.511						
4	1155	cedai4[lrsm | n]	527	1.801						
5	1199	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	1.773						
6	1232	ote4dy	509	1.739						
7	1316	okar variants	493	1.685						
8	1335	[yo]tai0-4n	490	1.674						
9	1550	[dlrsmg]e0-4y	453	1.548						
10	1597	ek[yoa]	446	1.524						
11	1602	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	1.521						
12	1643	or[yoa]	438	1.497						
13	1699	otai0-4n	430	1.469						
14	1834	[fptk]ai4[dlrsmg | n]	411	1.404						
15	1994	[fp]c-Initial	387	1.322						
16	2018	do	383	1.309						
17	2072	ceckey relatives	377	1.288						
18	2350	tc-initial	345	1.179						
19	2351	[yo]c + e4o Superclass	345	1.179						
20	2395	or[oa]	340	1.162						
21	2472	otal variants	333	1.138						
22	2527	[dlrsmg] + c | c[s | fptk] + e4dy	327	1.117						
23	2614	[yo]ke4o[lr]	319	1.090						
24	2651	ol[ds]	315	1.076						
25	2721	[tk]e4dy	309	1.056						
26	2744	pc-initial	307	1.049						
		oi (304)								
1	84	ce4dy	755	5.897	362	[fptk | dlrsmg] + c | c[s | fptk] +	2246	17.541	34	16.459

2	209	l[fptk] Prefixes	514	4.014
3	258	o[lr]a	469	3.663
4	276	lc-initial	457	3.569
5	283	lk-initial	454	3.546
6	385	[yo]d[ao]i0-4[lr]	393	3.069
7	389	a[lr][ao][lr]	391	3.054
8	435	od[ao]i0-4[lr]	369	2.882
9	487	yodai0-4[lr]	348	2.718
10	499	tc-initial	345	2.694
11	500	otar variants	345	2.694
12	570	[dlrsmg] + c | c[s | fptk] + e4dy	327	2.554
13	576	odai0-4[lr]	326	2.546
14	604	oa	321	2.507
15	664	[tk]e4dy	309	2.413
16	880	ceal variants	269	2.101
17	1046	od endings	243	1.898
18	1060	ora	241	1.882
19	1166	ceal verbs	230	1.796
20	1167	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	1.796
21	1191	[yo]d[ao]i0-4r	228	1.781
22	1192	ola	228	1.781
23	1240	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	1.734
24	1305	ke4dy	217	1.695
25	1328	od[ao]i0-4r	215	1.679
26	1338	ai0-4[dlrsmg][dlrsmg]	214	1.671
27	1434	[tk]e4o	206	1.609
28	1446	yodai0-4r	205	1.601
29	1580	[fptk] + c | c[s | fptk] + e4dy	196	1.531
30	1627	odai0-4r	193	1.507
31	1652	[fptk]ai4n	191	1.492
32	1665	dairol/soral relatives	190	1.484
33	1702	okce0-4dy	188	1.468
34	1732	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	1.453
35	1847	ko	179	1.398
36	1885	cedar variants	176	1.375
37	2069	[yo]d[ao]i0-4l	165	1.289
38	2161	[fptk]e0-4y	161	1.257
39	2288	od[ao]i0-4l	154	1.203
40	2385	[yo]te4od	149	1.164
41	2530	yodai0-4l	143	1.117
42	2589	[yo]pa	141	1.101
43	2649	olcey relatives (non -edy)	138	1.078
44	2687	ke4o	137	1.070
45	2731	orai0-4n	135	1.054
46	2732	o[fptk]c + e0-4or	135	1.054
47	2796	odai0-4l	133	1.039
48	2821	g	132	1.031
		[dlrsmg | fptk] + ai4[dlrsmg | n] (3168)		
1	15	ke4o	137	11.150
2	181	[fptk][yo]lc	53	4.314
3	273	[yo][fp]y	44	3.581
4	322	Prefixed Versions of c | c[s | fptk] + e4dy	41	3.337
5	423	Suspected Errata/Difficult to Categorize	36	2.930
6	467	ope0-4y	34	2.767
7	506	[yo]py	33	2.686
8	593	opc + e4ol	31	2.523
9	737	o[tk][lr]	28	2.279
10	928	[yo]fo	25	2.035
11	929	b	25	2.035
12	1074	[yo]e4[fp]	23	1.872
13	1075	ofce0-4y	23	1.872
14	1285	o[fptk]c + e4od	21	1.709
15	1402	[fptk]ai4m	20	1.628
16	1403	ocees relatives	20	1.628
17	1713	q-prefix exceptions	18	1.465
18	1714	c + e4 + [fptk]c Nouns	18	1.465
19	2028	otos variants	16	1.302
20	2029	opc + e4or	16	1.302
21	2244	o[fptk]c + e4os	15	1.221
22	2465	opc + e4ody	14	1.139
23	2466	ll	14	1.139
24	2716	or[fptk | dlrsmg]	13	1.058
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		[fptk | dlrs] prefixes to dai4[lrsm | n] (83)		
1	1162	[ao][lr][ao][lr] Pipe/Flow	843	1.798
2	1261	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	1.725
3	1502	[dlrsmg | fptk]e0-4y	735	1.567

	e4o[dlrsmg]			
420	c + c[s | fptk]e4y	1624	12.684	27	14.316
565	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	5.725	17	11.275
594	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	16.089	27	10.911
640	oi4[dlrsmg | n]	1124	8.779	19	10.221
724	c[s | fptk]e4y	887	6.928	16	9.072
912	cse4y	578	4.514	12	7.486
1398	ce4y	737	5.756	11	5.244
1455	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	12.957	18	5.043
42	ai4[dlrsmg | n]	1519	123.630	194	70.370
56	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	135.025	196	60.975
58	ai4[dlrsmg]	930	75.692	136	60.308
59	c + c[s | fptk]e4y	1624	132.176	192	59.824
86	ai4[lr]	782	63.646	113	49.354
100	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	167.662	213	45.338
130	oi4[dlrsmg | n]	1124	91.482	127	35.518
153	c[s | fptk]e4y	887	72.192	104	31.808
155	c | c[s | fptk] + e4dy	1395	113.538	145	31.462
157	y-initial	1926	156.756	188	31.244
172	cte4[yo]	406	33.044	62	28.956
182	ai4l	306	24.905	53	28.095
183	ce4y	737	59.984	88	28.016
186	Single-Letter Words	566	46.066	74	27.934
203	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	50.706	76	25.294
240	ek[yoa]	446	36.300	59	22.700
241	ai4r	483	39.311	62	22.689
262	ceckey relatives	377	30.684	52	21.316
267	cteo-initial	220	17.906	39	21.094
288	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	182.801	203	20.199
305	ce4a	1009	82.122	101	18.878
319	c[s | fptk]e4dy	622	50.624	69	18.376
344	cse4dy	585	47.613	65	17.387
357	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	42.241	59	16.759
369	c | cs + e0-4[dlrsmg]	281	22.870	39	16.130
375	cse4y	578	47.043	63	15.957
380	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	36.218	52	15.782
381	c[fptk]e4y	310	25.231	41	15.769
449	ce4dy	755	61.449	75	13.551
475	ce4ai4n	271	22.057	35	12.943
498	eka	191	15.545	28	12.455
502	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	59.658	72	12.342
511	cean variants	255	20.754	33	12.246
519	om + o[fptk | dlrsmg]am	454	36.951	49	12.049
536	[dlrsmg]ai4m	149	12.127	24	11.873
566	Detached Class Modifiers	95	7.732	19	11.268
583	dc-initial	454	36.951	48	11.049
611	cean verbs	213	17.336	28	10.664
639	ek[yo]	255	20.754	31	10.246
650	ai4n	589	47.938	58	10.062
658	[q | fptk | dlrsmg] + oi0-4[lr]	1819	148.047	158	9.953
670	ea	1195	97.260	107	9.740
692	om	203	16.522	26	9.478
696	dai4m	130	10.581	20	9.419
718	[dlrsmg]e0-4y	453	36.869	46	9.131
739	cke4[yo]	172	13.999	23	9.001
781	y[fptk]-initial	1295	105.399	114	8.601
810	y + Non-[dlrs] Prefixes	205	16.685	25	8.315
867	cte4y	186	15.138	23	7.862
919	aro[dlrsmg]	105	8.546	16	7.454
922	cke4y	93	7.569	15	7.431
937	eky	217	17.661	25	7.339
1138	g	132	10.743	17	6.257
1255	c | cs + e0-4d	89	7.244	13	5.756
550	ed[yoa]	5851	12.476	24	11.524
699	edy	4981	10.621	20	9.379

4	1511	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	1.563						
5	1792	[tk]c-Initial	667	1.422						
6	1936	oe0-4s	632	1.348						
7	2600	l[fptk] Prefixes	514	1.096						
8	2668	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	1.073						
9	2758	[yo]tai0-4n	490	1.045						
		ai4[dlrsmg | n] (1519)								
1	173	otor variants	113	4.410	16	ai4[dlrsmg | n]	1519	59.279	158	98.721
2	251	l[drs] Prefixes	95	3.707	40	ai4[dlrsmg]	930	36.293	107	70.707
3	373	fc-initial	80	3.122	61	ai4[lr]	782	30.517	87	56.483
4	480	[yo]po	70	2.732	120	ai4l	306	11.942	51	39.058
5	561	otc + e4ol	66	2.576	176	y-initial	1926	75.162	104	28.838
6	659	cear nouns	62	2.420	184	ai4n	589	22.986	51	28.014
7	660	[yo]c[fp]	62	2.420	225	oi4[dlrsmg | n]	1124	43.864	68	24.136
8	703	oce4y	60	2.341	324	ai4r	483	18.849	37	18.151
9	724	qo variants	59	2.302	503	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	8.664	21	12.337
10	753	o[tk][ao]s	58	2.263	548	otar variants	345	13.464	25	11.536
11	780	o[fptk]ce4[lrsmg]	57	2.224	607	a[lr][fptk]	83	3.239	14	10.761
12	874	okc + e4or	54	2.107	649	[yo]dy endings	1228	47.922	58	10.078
13	1270	[fptk | dlrsmg] + c | c[s | fptk] + e4oly	44	1.717	694	a-axis of [yo][fptk][ao][lr]	1731	67.552	77	9.448
14	1382	[yo][fptk]ce4d	42	1.639	750	Single-Letter Words	566	22.088	31	8.912
15	1383	opal variants	42	1.639	883	a[lr][ao][lr]	391	15.259	23	7.741
16	1453	Prefixed Versions of c | c[s | fptk] + e4dy	41	1.600	1005	aro[dlrsmg]	105	4.098	11	6.902
17	1669	[yo]cp	38	1.483	1130	om + o[fptk | dlrsmg]am	454	17.717	24	6.283
18	1670	o[fptk]d	38	1.483	1167	[ao][lr][ao][lr] Pipe/Flow	843	32.898	39	6.102
19	1983	[fptk][dlrs] Prefixes	34	1.327	1190	[q | fptk | dlrsmg] + oi0-4[lr]	1819	70.986	77	6.014
20	1984	osai0-4n	34	1.327	1297	faceys relatives	61	2.381	8	5.619
21	1985	ol + c | cs + e4o[lr]	34	1.327	1316	eka	191	7.454	13	5.546
22	2181	c[fptk]e4o	32	1.249	1335	oa	321	12.527	18	5.473
23	2182	ofce0-4dy	32	1.249	1339	y[fptk]-initial	1295	50.537	56	5.463
24	2273	opc + e4ol	31	1.210	1462	c | cs + e0-4[dlrsmg]	281	10.966	16	5.034
25	2367	okc + e4ody	30	1.171						
26	2484	opai0-4n	29	1.132						
27	2485	otc + e4ody	29	1.132						
28	2609	[fptk | dlrsmg] + c | c[s | fptk] + e4ory	28	1.093						
29	2737	ce4g	27	1.054						
30	2879	o + c | cs + e4o	26	1.015						
31	2880	cfe4[yo]	26	1.015						
32	2881	opai0-4n	26	1.015						
		[dlrsmg | fptk] + ai4n (1724)								
1	6	pc-initial	307	13.597	29	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	73.480	150	76.521
2	20	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	10.187	63	c + c[s | fptk]e4y	1624	71.929	128	56.071
3	26	[fptk]ai4n	191	8.460	96	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	91.240	138	46.760
4	30	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	8.238	136	cte4[yo]	406	17.982	53	35.018
5	53	[fptk]e0-4y	161	7.131	154	c[s | fptk]e4y	887	39.287	71	31.713
6	69	yodai0-4l	143	6.334	181	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	27.594	56	28.406
7	76	ke4o	137	6.068	216	ce4y	737	32.643	57	24.357
8	85	odai0-4l	133	5.891	219	ceckey relatives	377	16.698	41	24.302
9	119	rai4n	115	5.094	222	cteo-initial	220	9.744	34	24.256
10	207	te4dy	91	4.031	233	ek[yoa]	446	19.754	43	23.246
11	239	dcedy relatives	85	3.765	263	ce4a	1009	44.690	66	21.310
12	284	l-prefix + [fptk]e0-4y	80	3.543	278	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	99.479	120	20.521
13	316	rc-initial	76	3.366	286	c[fptk]e4y	310	13.730	34	20.270
14	395	o[fptk][dlrsmg]	68	3.012	328	ea	1195	52.928	71	18.072
15	429	oe4y	66	2.923	387	y-initial	1926	85.305	101	15.695
16	495	faceys relatives	61	2.702	407	Single-Letter Words	566	25.069	40	14.931
17	545	qo variants	59	2.613	455	cke4[yo]	172	7.618	21	13.382
18	698	[fptk][yo]lc	53	2.347	471	ce4ai4n	271	12.003	25	12.997
19	721	[tk]y	52	2.303	486	cean variants	255	11.294	24	12.706
20	827	[yo]te4o	49	2.170	542	ek[yo]	255	11.294	23	11.706
21	1000	[yo][fp]y	44	1.949	547	eka	191	8.460	20	11.540
22	1133	Prefixed Versions of c | c[s | fptk] + e4dy	41	1.816	556	cse4y	578	25.600	37	11.400
23	1321	o[fptk]d	38	1.683	606	cte4y	186	8.238	19	10.762
24	1322	yc + e4o	38	1.683	615	cean verbs	213	9.434	20	10.566
25	1459	Suspected Errata/Difficult to Categorize	36	1.594	619	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	32.466	43	10.534
26	1631	odcey relatives	34	1.506	679	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	54.346	64	9.654
27	1632	ope0-4y	34	1.506	697	eky	217	9.611	19	9.389
28	1633	[fptk][dlrs] Prefixes	34	1.506	715	oi4[dlrsmg | n]	1124	49.784	59	9.216
29	1719	[yo]py	33	1.462	736	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	22.987	32	9.013
30	1887	opc + e4ol	31	1.373	755	cke4y	93	4.119	13	8.881
31	1975	ocse4y	30	1.329	762	Detached Class Modifiers	95	4.208	13	8.792
32	2201	o[tk][lr]	28	1.240	789	dai4n	1140	50.492	59	8.508
33	2425	orcey relatives	26	1.152	946	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	19.710	27	7.290
34	2568	olf	25	1.107	953	dai4m	130	5.758	13	7.242
35	2569	opor variants	25	1.107	1039	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	22.279	29	6.721
36	2570	[yo]fo	25	1.107	1068	c | cs + e0-4[dlrsmg]	281	12.446	19	6.554
37	2571	b	25	1.107	1219	dc-initial	454	20.108	26	5.892
38	2702	yd[ao]i0-4[lr]	24	1.063	1257	oy	141	6.245	12	5.755
39	2868	ofce0-4y	23	1.019	1307	cear verbs	303	13.420	19	5.580
40	2869	[yo]e4[fp]	23	1.019	1313	ce4dy	755	33.440	39	5.560
41	2870	[yo]doi0-4r	23	1.019	1342	ai4l	306	13.553	19	5.447
42					1358	[dlrsmg]ai4m	149	6.599	12	5.401
43					1373	c + e4 + [fptk] Endings	60	2.657	8	5.343
		dai4n (1140)								
1	23	[tk]e4dy	309	9.050	47	c[fptk]e4o-initial & c[fptk]e4y Superclass	1659	48.589	115	66.411
2	24	pc-initial	307	8.991	128	cte4[yo]	406	11.891	48	36.109
3	59	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	6.736	156	c + c[s | fptk]e4y	1624	47.563	79	31.437
4	68	ke4dy	217	6.355	197	[fptk | dlrsmg] + c | c[s | fptk] + e4y	2060	60.333	87	26.667
5	99	[fptk]ai4n	191	5.594	223	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	65.781	90	24.220
6	102	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	5.448	229	cteo-initial	220	6.443	30	23.557
7	139	[fptk]e0-4y	161	4.715	269	c[s | fptk]e4y	887	25.978	47	21.022
8	147	opce0-4dy	159	4.657	294	c[fptk]e4y	310	9.079	29	19.921
9	192	yodai0-4l	143	4.188	358	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	18.246	35	16.754
10	210	ke4o	137	4.012	391	y-initial	1926	56.408	72	15.592
11	224	odai0-4l	133	3.895	427	ceckey relatives	377	11.042	25	13.958
12	314	rai4n	115	3.368	467	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	35.936	49	13.064
13	362	ory	108	3.163	494	cte4y	186	5.448	18	12.552
14	384	aro[dlrsmg]	105	3.075	499	ce4a	1009	29.551	42	12.449
15	526	te4dy	91	2.665	500	Single-Letter Words	566	16.577	29	12.423
16	560	[yo][fptk]e4o	88	2.577	528	cke4[yo]	172	5.038	17	11.962
17	611	dcedy relatives	85	2.489	602	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	15.200	26	10.800
18	624	[yo]e4 | c + [fp]	84	2.460	620	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	21.468	32	10.532
19	702	l-prefix + [fptk]e0-4y	80	2.343	628	ce4y	737	21.585	32	10.415

20	778	rc-initial	76	2.226	682	dai4n	1140	33.388	43	9.612
21	969	o[fptk][dlrsmg]	68	1.992	727	ce4ai4n	271	7.937	17	9.063
22	1011	oe4y	66	1.933	740	ea	1195	34.999	44	9.001
23	1040	ofc + e0-4 + y | dy | o[dlrs]y	65	1.904	743	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	13.033	22	8.967
24	1135	oo	62	1.816	747	ek[yoa]	446	13.062	22	8.938
25	1136	[yo]c[fp]	62	1.816	770	dc-initial	454	13.297	22	8.703
26	1137	cear nouns	62	1.816	785	cean variants	255	7.468	16	8.532
27	1180	faceys relatives	61	1.787	820	[fptk | dlrsmg] + c | c[s | fptk] + e4o	503	14.732	23	8.268
28	1212	[yo][fptk]e4d	60	1.757	950	cke4y	93	2.724	10	7.276
29	1254	qo variants	59	1.728	958	Detached Class Modifiers	95	2.782	10	7.218
30	1380	a[lr]an	56	1.640	1030	cean verbs	213	6.238	13	6.762
31	1538	[fptk][yo]lc	53	1.552	1155	dai4m	130	3.807	10	6.193
32	1598	[tk]y	52	1.523	1176	y[fptk]-initial	1295	37.928	44	6.072
33	1765	[yo]te4o	49	1.435	1206	o[fptk]c + e0-4y	753	22.054	28	5.946
34	1938	[yo]ke4os	46	1.347	1236	o[fptk | dlrsmg][ao]m	280	8.201	14	5.799
35	1939	ep[yoa]	46	1.347	1271	[dlrsmg | fptk] + ai4[dlrsmg]	1444	42.292	48	5.708
36	2068	[yo][fp]y	44	1.289	1273	om + o[fptk | dlrsmg]am	454	13.297	19	5.703
37	2225	[yo][fptk]ce4d	42	1.230	1293	o-axis of [yo][fptk][ao][lr]	764	22.376	28	5.624
38	2293	Prefixed Versions of c | c[s | fptk] + e4dy	41	1.201	1355	eka	191	5.594	11	5.406
39	2539	o[fptk]d	38	1.113						
40	2540	yc + e4o	38	1.113						
41	2541	[yo]cp	38	1.113						
42	2733	Suspected Errata/Difficult to Categorize	36	1.054						
		[fptk]ai4[dlrsmg | n] (411)								
1	134	lc-initial	457	4.825	293	ai4[dlrsmg | n]	1519	16.039	36	19.961
2	199	ol[yo]	388	4.097	367	ai4[dlrsmg]	930	9.820	26	16.180
3	319	oe sans oy + oe4y, oe0-4s	317	3.347	485	ai4[lr]	782	8.257	21	12.743
4	483	sai4n	258	2.724	534	ai4r	483	5.100	17	11.900
5	592	otol variants	239	2.524	920	ol[tk]	621	6.557	14	7.443
6	683	old	225	2.376	975	olk	557	5.881	13	7.119
7	699	oly	222	2.344	1115	ce4a	1009	10.654	17	6.346
8	812	[yo]ke4od	207	2.186	1189	ceckey relatives	377	3.981	10	6.019
9	848	om	203	2.143	1348	cedai4[lrsm | n]	527	5.565	11	5.435
10	903	[fptk] + c | c[s | fptk] + e4dy	196	2.070	1427	oi4[dlrsmg | n]	1124	11.868	17	5.132
11	988	et[yoa]	186	1.964	1428	o[fptk]ai4n	1598	16.873	22	5.127
12	998	o[fptk][ao]d	185	1.953	1436	ol[dtk]	842	8.891	14	5.109
13	1052	[sr]c-Initial	179	1.890						
14	1053	ko	179	1.890						
15	1103	olo	175	1.848						
16	1132	[yo]ce4y + s infixes	172	1.816						
17	1228	[yo]d[ao]i0-4l	165	1.742						
18	1297	[fptk]e0-4y	161	1.700						
19	1329	opce0-4dy	159	1.679						
20	1330	o[fptk]c + e0-4ol	159	1.679						
21	1341	[fptk | dlrsmg] + c | c[s | fptk] + e4os	158	1.668						
22	1410	od[ao]i0-4l	154	1.626						
23	1497	[yo]e0-4[fp]e0-4[yo]	149	1.573						
24	1623	yodai0-4l	143	1.510						
25	1749	ke4o	137	1.447						
26	1787	o[fptk]c + e0-4or	135	1.425						
27	1835	odai0-4l	133	1.404						
28	1853	oc[fpt]e4y	132	1.394						
29	1888	[yo]te4o[lr]	130	1.373						
30	1954	[yo][fptk]e4or	127	1.341						
31	2261	et[yo]	115	1.214						
32	2314	otor variants	113	1.193						
33	2315	[yo]ce4y	113	1.193						
34	2520	o[fptk]e4os	106	1.119						
35	2625	sc-initial	103	1.088						
36	2756	[yo]te4ol	99	1.045						
37	2884	[yo]ke4or	96	1.014						
38	2920	l[drs] Prefixes	95	1.003						
39	2921	[yo][fp]o	95	1.003						
		c | cs + e0-4[dlrsmg] (281)								
1	162	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	4.498	432	[q | fptk | dlrsmg] + oi0-4[lr]	1819	13.132	27	13.868
2	317	[yo]ce4y + infixed versions	466	3.364	478	oi4[dlrsmg | n]	1124	8.114	21	12.886
3	352	ek[yoa]	446	3.220	651	ai4[dlrsmg | n]	1519	10.966	21	10.034
4	468	do	383	2.765	1003	Single-Letter Words	566	4.086	11	6.914
5	478	oce4y + infixed versions	379	2.736	1034	ai4n	589	4.252	11	6.748
6	484	ceckey relatives	377	2.722						
7	572	[yo]c[s | fptk]e4y	353	2.548						
8	722	oc[s | fptk]e4y	319	2.303						
9	859	[yo]c[fptk]e4y	294	2.122						
10	890	oc[fptk]e4y	289	2.086						
11	938	o[fptk | dlrsmg][ao]m	280	2.021						
12	1106	ek[yo]	255	1.841						
13	1363	ola	228	1.646						
14	1469	cteo-initial	220	1.588						
15	1507	eky	217	1.567						
16	1751	[yo][fp]a	200	1.444						
17	1752	or[yo]	200	1.444						
18	1794	cectey relatives	197	1.422						
19	1875	eka	191	1.379						
20	1876	[fptk]ai4n	191	1.379						
21	1893	[dlrsmg] + ai4r	190	1.372						
22	1943	et[yoa]	186	1.343						
23	2061	[sr]c-Initial	179	1.292						
24	2198	[yo]ce4y + s infixes	172	1.242						
25	2321	[yo]d[ao]i0-4l	165	1.191						
26	2368	ocke4y	162	1.170						
27	2391	[fptk]e0-4y	161	1.162						
28	2441	opce0-4dy	159	1.148						
29	2548	od[ao]i0-4l	154	1.112						
30	2655	[dlrsmg]ai4m	149	1.076						
31	2813	yodai0-4l	143	1.032						
32	2843	ece Noun	142	1.025						
33	2871	oy	141	1.018						
34	2872	[yo]pa	141	1.018						
		ce0-4s (165)								
1	355	ce4dy	755	3.200	259	ai4[dlrsmg | n]	1519	6.439	28	21.561
2	695	o[fptk]c + e0-4dy	554	2.348	450	ai4n	589	2.497	16	13.503
3	766	cedai4[lrsm | n]	527	2.234	714	oi4[dlrsmg | n]	1124	4.765	14	9.235
4	820	l[fptk] Prefixes	514	2.179	774	ai4[lr]	782	3.315	12	8.685
5	838	ote4dy	509	2.158	844	ai4[dlrsmg]	930	3.942	12	8.058
6	979	[yo]ce4y + infixed versions	466	1.975	1129	[q | fptk | dlrsmg] + oi0-4[lr]	1819	7.711	14	6.289
7	1017	om + o[fptk | dlrsmg]am	454	1.925	1205	ai4r	483	2.047	8	5.953
8	1019	lk-initial	454	1.925						
9	1227	[fptk]ai4[dlrsmg | n]	411	1.742						
10	1347	[yo]d[ao]i0-4[lr]	393	1.666						
11	1378	[fp]c-Initial	387	1.641						
12	1415	do	383	1.624						
13	1438	oce4y + infixed versions	379	1.607						

14	1454	ceckey relatives	377	1.598						
15	1509	od[ao]i0-4[lr]	369	1.564						
16	1644	[yo]c[s | fptk]e4y	353	1.496						
17	1685	yodai0-4[lr]	348	1.475						
18	1716	otar variants	345	1.462						
19	1862	[dlrsmg] + c | c[s | fptk] + e4dy	327	1.386						
20	1868	odai0-4[lr]	326	1.382						
21	1917	oa	321	1.361						
22	1928	oc[s | fptk]e4y	319	1.352						
23	2030	pc-initial	307	1.301						
24	2071	oi	304	1.289						
25	2189	[yo]c[fptk]e4y	294	1.246						
26	2233	oc[fptk]e4y	289	1.225						
27	2332	o[fptk | dlrsmg][ao]m	280	1.187						
28	2383	od endings + odcey relatives	275	1.166						
29	2464	ceal variants	269	1.140						
30	2616	oi4n Superset	257	1.089						
31	2642	ek[yo]	255	1.081						
32	2824	od endings	243	1.030						
33	2887	otol variants	239	1.013						
		Consonant Clusters (115)								
1	34	[yo][fptk][ao][lr]	2688	7.942	361	ai4[dlrsmg | n]	1519	4.488	21	16.512
2	118	a-axis of [yo][fptk][ao][lr]	1731	5.114	569	ai4[dlrsmg]	930	2.748	14	11.252
3	267	[yo]dy endings	1228	3.628	610	ai4[lr]	782	2.310	13	10.690
4	541	c[s | fptk]e4y	887	2.621	905	ai4r	483	1.427	9	7.573
5	608	[ao][lr][ao][lr] Pipe/Flow	843	2.491	1394	ai4n	589	1.740	7	5.260
6	757	o-axis of [yo][fptk][ao][lr]	764	2.257						
7	770	ce4dy	755	2.231						
8	832	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	2.166						
9	836	ote0-4y	731	2.160						
10	1138	ol[yoa]	614	1.814						
11	1263	o[lr][yo]	583	1.722						
12	1288	cse4y	578	1.708						
13	1388	o[fptk]c + e0-4dy	554	1.637						
14	1437	okal variants	544	1.607						
15	1576	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	519	1.533						
16	1727	okar variants	493	1.457						
17	1748	[yo]tai0-4n	490	1.448						
18	1972	[yo]d[ao]i0-4n	450	1.330						
19	1993	yodai0-4n	448	1.324						
20	2001	ek[yoa]	446	1.318						
21	2004	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	445	1.315						
22	2118	otai0-4n	430	1.270						
23	2269	od[ao]i0-4n	410	1.211						
24	2282	odai0-4n	408	1.205						
25	2297	cte4[yo]	406	1.200						
26	2337	ol[oa]	401	1.185						
27	2397	[yo]d[ao]i0-4[lr]	393	1.161						
28	2409	a[lr][ao][lr]	391	1.155						
29	2447	ol[yo]	388	1.146						
30	2451	[fp]c-Initial	387	1.143						
31	2486	do	383	1.132						
32	2516	oce4y + infixed versions	379	1.120						
33	2613	od[ao]i0-4[lr]	369	1.090						
34	2745	[yo][fptk]e4od	355	1.049						
35	2771	[yo]c[s | fptk]e4y	353	1.043						
36	2827	yodai0-4[lr]	348	1.028						
37	2863	[yo]c + e4o Superclass	345	1.019						
38	2865	otar variants	345	1.019						
39	2905	[yo]te4o[dlrsmg]	341	1.007						
40	2928	[yo][fp][yoa]	339	1.002						
		dl Consonant Clusters (79)								
1	101	[yo][fptk][ao][lr]	2688	5.456	1434	ai4[dlrsmg]	930	1.888	7	5.112
2	155	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	2246	4.558						
3	294	a-axis of [yo][fptk][ao][lr]	1731	3.513						
4	536	y[fptk]-initial	1295	2.628						
5	609	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	2.490						
6	1048	oke4dy	933	1.894						
7	1156	c[s | fptk]e4y	887	1.800						
8	1542	o-axis of [yo][fptk][ao][lr]	764	1.551						
9	1657	[fptk | dlrsmg] + c | c[s | fptk] + e4or	733	1.488						
10	2313	ai4n	589	1.195						
11	2336	[yo]ke4o[dlrsmg]	584	1.185						
12	2365	cse4y	578	1.173						
13	2434	Single-Letter Words	566	1.149						
14	2455	okc + e0-4 + y | dy | o[dlrs]y	563	1.143						
15	2505	o[fptk]c + e0-4dy	554	1.124						
16	2583	okal variants	544	1.104						
17	2936	okar variants	493	1.001						
		Detached Class Modifiers (95)								
1	288	o[fptk]e4dy	1444	3.524	1200	yodai0-4[lrm | n]	832	2.031	8	5.969
2	309	c | c[s | fptk] + e4dy	1395	3.405	1210	oda	847	2.067	8	5.933
3	574	o[lr][yoa]	1044	2.548	1229	[yo]d[ao]i0-4[lrm | n]	880	2.148	8	5.852
4	739	oke4dy	933	2.277	1382	y-initial	1926	4.701	10	5.299
5	748	ai4[dlrsmg]	930	2.270	1421	o[fptk]c + e0-4y	753	1.838	7	5.162
6	834	c[s | fptk]e4y	887	2.165						
7	909	[ao][lr][ao][lr] Pipe/Flow	843	2.057						
8	1032	eda	784	1.913						
9	1035	ai4[lr]	782	1.909						
10	1085	o-axis of [yo][fptk][ao][lr]	764	1.865						
11	1105	ce4dy	755	1.843						
12	1172	o[lr][oa]	735	1.794						
13	1605	c[s | fptk]e4dy	622	1.518						
14	1640	ol[yoa]	614	1.499						
15	1779	cse4dy	585	1.428						
16	1790	o[lr][yo]	583	1.423						
17	1823	cse4y	578	1.411						
18	1870	Single-Letter Words	566	1.381						
19	1930	o[fptk]c + e0-4dy	554	1.352						
20	1977	okal variants	544	1.328						
21	2082	cedai4[lrsm | n]	527	1.286						
22	2166	l[fptk] Prefixes	514	1.255						
23	2197	ote4dy	509	1.242						
24	2311	[yo]tai0-4n	490	1.196						
25	2349	ai4r	483	1.179						
26	2449	o[lr]a	469	1.145						
27	2566	dc-initial	454	1.108						
28	2563	lk-initial	454	1.108						
29	2620	ek[yoa]	446	1.089						
30	2691	or[yoa]	438	1.069						
31	2742	otai0-4n	430	1.049						
		odo (57)								

1	48	edy	4981	7.294
2	164	c + e4dy	3053	4.471
3	704	o[fptk]ai4n	1598	2.340
4	867	o[fptk]e4dy	1444	2.115
5	868	[dlrsmg | fptk] + ai4[dlrsmg]	1444	2.115
6	920	c | c[s | fptk] + e4dy	1395	2.043
7	1164	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1227	1.797
8	1512	[yo]kai0-4n	1067	1.563
9	1587	o[lr][yoa]	1044	1.529
10	1610	[dlrsmg] + ai4[lr] + y-suffix	1035	1.516
11	1729	okai0-4n	994	1.456
12	1900	oke4dy	933	1.366
13	2091	[dlrsmg]ai4[lr]	875	1.281
14	2212	[ao][lr][ao][lr] Pipe/Flow	843	1.234
15	2219	ol[dtk]	842	1.233
16	2523	o-axis of [yo][fptk][ao][lr]	764	1.119
17	2575	ce4dy	755	1.106
18	2644	ce4y	737	1.079
19	2652	o[lr][oa]	735	1.076
		o[tk]e0-4y (2042)		
1	88	opce0-4y	111	5.823
2	174	c[fp]e4y + added c-sequences & cfeo-Initial	84	4.407
3	229	ykai0-4n	73	3.830
4	268	c[fp]e4y + added c-sequences	69	3.620
5	292	yd[ao]i0-4[lrm | n]	67	3.515
6	308	ydai0-4[lrm | n]	65	3.410
7	404	o[fptk]ce4[lrsmg]	57	2.990
8	405	odo	57	2.990
9	445	okc + e4or	54	2.833
10	464	[fptk][yo]lc	53	2.780
11	515	[fptk] + c | c[s | fptk] + e4o	51	2.676
12	563	[dlrsmg] + c | c[s | fptk] + e4o	49	2.571
13	598	[yo]doi0-4[lrm | n]	48	2.518
14	666	ep[yoa]	46	2.413
15	688	[yo]doi0-4[lr]	45	2.361
16	758	cean nouns	43	2.256
17	802	[yo][fptk]ce4d	42	2.203
18	803	opal variants	42	2.203
19	884	o + c | cs + e4or	40	2.098
20	885	yd[ao]i0-4n	40	2.098
21	886	ydai0-4n	40	2.098
22	967	od[fptk | dlrsmg]	38	1.994
23	968	yc + e4o	38	1.994
24	1004	[yo]d[ao]i0-4m	37	1.941
25	1057	yodai0-4m	36	1.889
26	1184	[fptk][dlrs] Prefixes	34	1.784
27	1185	od[ao]i0-4m	34	1.784
28	1186	odcey relatives	34	1.784
29	1249	odai0-4m	33	1.731
30	1408	opc + e4ol	31	1.626
31	1409	[yo]e0-4do + e4|i4 + [drn] & cedody	31	1.626
32	1494	[rs][fptk | l]	30	1.574
33	1495	cedam variants	30	1.574
34	1496	okc + e4ody	30	1.574
35	1810	cpe4y	27	1.416
36	1907	cfe4[yo]	26	1.364
37	1908	o + c | cs + e4o	26	1.364
38	1909	a[fptk]y	26	1.364
39	1910	orcey relatives	26	1.364
40	2010	b	25	1.312
41	2011	ofar variants	25	1.312
42	2012	opor variants	25	1.312
43	2013	opol variants	25	1.312
44	2151	odl	24	1.259
45	2152	[yo]doi0-4[ln]	24	1.259
46	2153	yd[ao]i0-4[lr]	24	1.259
47	2277	a[fptk]a	23	1.207
48	2278	[yo]e4[fp]	23	1.207
49	2279	[yo]doi0-4r	23	1.207
50	2414	[yo]doi0-4l	22	1.154
51	2415	ydai0-4[lr]	22	1.154
52	2587	olp	21	1.102
53	2588	cecpey relatives	21	1.102

25	o[tk]e0-4y	2042	107.126	187	79.874
44	[dlrsmg | fptk] + ai4[dlrsmg | n]	3168	166.197	234	67.803
55	oke0-4y	1314	68.934	130	61.066
82	[dlrsmg | fptk] + ai4n	1724	90.443	141	50.557
102	[dlrsmg | fptk]e0-4y	735	38.559	83	44.441
129	l[fptk] Prefixes	514	26.965	63	36.035
135	lc-initial	457	23.975	59	35.025
145	lk-initial	454	23.817	57	33.183
150	dai4n	1140	59.806	92	32.194
214	[yo][fptk]e4o[dlrsmg]	924	48.474	73	24.526
237	[dlrsmg] + c | c[s | fptk] + e4dy	327	17.155	40	22.845
249	[yo]ke4o[dlrsmg]	584	30.637	53	22.363
309	ote0-4y	731	38.349	57	18.651
312	[fptk]e0-4y	161	8.446	27	18.554
347	[dlrsmg | fptk] + ai4[dlrsmg]	1444	75.754	93	17.246
365	[dlrsmg]e0-4y	453	23.765	40	16.235
374	rai4n	115	6.033	22	15.967
441	[dlrsmg] + ai4[lr] + y-suffix	1035	54.297	68	13.703
465	[dlrsmg]ai4[lr]	875	45.904	59	13.096
514	[yo]ke4od	207	10.859	23	12.141
518	oke4dy	933	48.946	61	12.054
546	[dlrsmg | fptk] + oi4[dlrsmg | n]	809	42.441	54	11.559
557	[yo][fptk]e4od	355	18.624	30	11.376
570	o[fptk]e4dy	1444	75.754	87	11.246
593	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	230	12.066	23	10.934
668	l-prefix + [fptk]e0-4y	80	4.197	14	9.803
713	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	186	9.758	19	9.242
796	[yo][fptk]e4o[lr]	449	23.555	32	8.445
821	[yo]ke4o[lr]	319	16.735	25	8.265
836	[yo][fptk]e4ol	322	16.893	25	8.107
943	[yo]ke4ol	223	11.699	19	7.301
1063	[yo]dy endings	1228	64.422	71	6.578
1124	Single-Letter Words	566	29.693	36	6.307
1127	[yo]tai0-4n	490	25.706	32	6.294
1134	[tk]y	52	2.728	9	6.272
1239	[tk]e4dy	309	16.211	22	5.789
1343	otai0-4n	430	22.558	28	5.442
1346	o[fptk]e4os	106	5.561	11	5.439
1397	y + Non-[dlrs] Prefixes	205	10.755	16	5.245
1413	[tk]e4o	206	10.807	16	5.193
1439	[yo][fptk]e4od + y	284	14.899	20	5.101

Table 25.12: Most Significant Order Mappings Keyed to Semantic Categories Relevant to Clause Boundaries[7]

	Initiators	Planets	Problem/Disorder	Color/Symptom	m	Remedy/Solution	Herbal	Liquid	Section 3	Anatomical	e[tk][yoa]	o[lr][yoa] Pipe/Flow/Queue	Treatment or Application Verbs	Pharmaceutical Double-Vowels	Primary Verbs	Connectives, Rare, Obscure	Other
Initiators																	
[tk]e0-4o	~~[fptk]ai4n~~ ~~[fptk]ai4[lr]~~	→ oda ~~r-axis~~	~~o[dlrs]ce4y~~		~~om~~	→ Baths	superset*	superset*	√	~~oy + oe4y~~ ~~ol[ds]~~				~~[dlrsmg	fptk] + oi4[dlrsmg	n]~~	→ Prefixed ai$^{0-4}$	~~Single-Letter Words~~	o[tk]e0-4y*
[fptk]e0-4y	→ [tk]e4o [dlrsmg	fptk]e0-4y*			~~[yo]c + e4o~~ ~~Superclass~~			~~ceckey~~ ~~relatives~~ superset*	~~c	c[s	fptk] + e4dy~~ edy*	~~ol[ds]~~		~~a[lr][ao][lr]~~	~~cedai4[lrsm	n]~~		~~ai4[lr] ai4n~~	~~c	cs + e0-4[dlrsmg]~~
[fp]c-Initial	→ [fptk]ai4n kc-initial*		o[fptk]c + e0-4 + y | dy	o[dlrs]y* o[fptk]c + e0-4dy* o[fptk]c + e0-4y* [yo]e0-4[fp]e0-4[yo]*													
[tk]c-Initial	→ [fptk]ai4n → [tk]y [tk]c-Initial* ~~te4o~~	-n*	o[fptk]c + e0-4 + y 	dy	o[dlrs]y* otce0-4dy* -y*		~~o[fptk]ody~~ ~~okod-variants~~ ~~[yo][fptk]e4d~~ ~~o[fptk]edar~~ ~~[yo]e0-4[fp]e0-4[yo]~~ ~~[yo][fp]ai0-4[nn]~~ ~~[yo]po~~ ~~[yo]fa~~	superset*			ol[tk]*								
[tk]e4dy	[tk]e4dy* lk-initial* lc-initial* rc-initial* → [fptk]ai4[dlrsmg	n] (te4dy)	~~[yo]d[ao]i0-4s~~	o[fptk]c + e0-4dy* ~~-[lr]~~	~~[yo]c + e4o~~ ~~Superclass~~		o[fptk]e4dy* ~~[yo][fptk]e4o[dlrsmg]~~ ~~o[fptk][ao]d~~	~~-y endings~~ ~~-s endings~~		edy*		~~or[yoa]~~ ~~o[lr]y~~ ~~olai0-4n~~			→ Prefixed ai$^{0-4}$	~~ce0-4s~~	o[tk]e0-4y*
dc-initial	→ [tk]e4dy [tk]c-Initial* dc-initial*	~~-l axis~~	olcey*	→ –y axis	~~om~~	→ [yo][fptk]e4o[dlrsmg] → o[fptk]ai4n o[fptk]e4dy* ~~[yo]e0-4[fp]e0-4[yo]~~ ~~[yo][fp]ai0-4[nn]~~ ~~[yo]po~~ ~~[yo]fa~~	→ superset l-axis*	→ c[fptk]e4y* superset* ~~ceckey~~	edy*		~~a[lr][ao][lr]~~ ~~dairol/soral~~ ~~relatives~~ ~~o[lr]o~~	~~ceal~~		Prefixed + ai4n* ~~l-prefix + [fptk	dlrsmg] + ai4[dlrsmg	n]~~	~~Consonant Clusters~~	→ [fptk]e0-4y ~~o[tk]e4s~~
l-prefixes	→ y-prefixes	→ oda	(very little)		→ om		(very little)		→ c	c[s	fptk] + e4dy, eda			→ o[lr][yoa]	→ ce4a → cedai4[lrsm	n]	oi	→ superset		
lc-initial	lc-initial* l[fptk] Prefixes* l-prefix + [fptk	dlrsmg] + ai4[dlrsmg	n]* ~~[fptk]ai4n~~	olcey*	~~o + c	cs + e4o[lr]~~	~~om~~	o[fptk]e4dy* a-axis of [yo][fptk][ao][lr]* ~~otor~~ ~~[yo][fptk]e4od~~ ~~[yo][fptk]e4od + y~~ ~~od endings + odcey~~ ~~relatives~~ ~~od endings~~ ~~o[fptk][ao]d~~ ~~[yo][fptk]e4o~~	~~-ody~~ ~~-os~~		edy*	ol[dtk]* ~~ols~~		ea* ~~cedar~~			~~cse0-4s~~ ~~Detached~~ ~~Class~~ ~~Modifiers~~	o[tk]e0-4y* ~~o[tk]e4s~~
l[fptk]-	l[fptk] Prefixes* l-prefix + [fptk	dlrsmg] + ai4[dlrsmg	n]* [tk]e4dy*					o[fptk]ai4n* a-axis of [yo][fptk][ao][lr]*		edy*					ea* ceal*				
y-prefixes	y-initial* [tk]y* ~~[fptk][yo]lc~~		→ o[dlrs]ce4y -y* olcey* ~~odcey~~ ~~orcey~~	→ –y axis ~~yce4y~~	om*	→ o[fptk]e4os	→ -o superset*		[fptk] + c	c[s	fptk] + e4dy	→ oy + oe4y		~~e[yo]~~			Prefixed + ai4n*	Single-Letter Words*	
[sr]c-Initial	→ y[fptk]-initial		~~od endings + odcey~~ ~~relatives~~			→ [yo][fptk]e4o[dlrsmg] o[fptk]e4dy* [yo][fptk][ao][lr]* (r-initial) ~~okar~~	→ superset r-axis*		edy*	~~olk~~ ~~old~~		~~o[lr][yo]~~	~~ceal~~ ~~cean~~	~~oi~~	→ Prefixed ai$^{0-4}$*		
do-	y-initial*	→ oda					superset*	superset*				→ o[lr][yoa]		oi	ai$^{0-4}$	**→ c	cs + e0-4[dlrsmg]**	
Color/Symptom	→ l[fptk] Prefixes*	oda*	→ weak –y axis only	~~[yo]ce4y + s infixes~~		[yo][fptk]e4o[dlrsmg]* ~~o[fptk]eda[lrsm	n]~~	→ superset	c[fptk]e4y*	~~ce4dy~~	→ ol[dtk] (weak)	~~ek[yoa]~~	~~dairol/soral~~ ~~relatives~~	~~cedar~~	→ oa Prefixes (some subsets)			

[7] See p. 152, Vol. II for how to interpret Tables 25.12-15.

	(some subsets)		~~olcey~~			~~otor~~ ~~-o axis~~	(strong)* [lr], ~~-o~~ esp.			ody endings*								
Trailing –y axis Colors						→ o[fptk]e4dy → o[fptk]ai4n												
[yo]c[fptk]e4y	**→ [tk]e4o** ~~[fptk]e0-4y~~			[yo]c[fptk]e4y* [yo]ce4y + infixed versions* ~~[yo]c + e4o~~ ~~Superclass~~	~~om~~	~~okar, otar~~	~~-o axis~~	~~ceccey~~ ~~cse4y~~		→ old			~~ceal~~		~~ai~~[0-4]		o[tk]e0-4y*
[yo]ce4y	[tk]c-Initial*	~~od[ao]i0-4[lrm | n]~~							~~c | c[s | fptk] + e4dy~~	**→ oe0-4s** ~~olk~~		~~o[lr][oa]~~ ~~or[yoa]~~	~~cedai4[lrsm | n]~~				
m	→ [tk]c-Initial tc-initial* → dc-initial* y-initial* so-* ~~l[fptk]~~ ~~[fp]c-Initial~~ ~~[fptk]e0-4y~~	oda esp. n-axis*	→ otc + e0-4 + y | dy | o[dlrs]y	→ most including [lr]*, -o axes superset*	→ om* (strong)	→ od endings + odcey relatives				→ ol[dtk]* → oe0-4s* ~~old~~ ~~oy~~ ~~ols~~		→ o[lr][yoa] → [ao][lr][ao][lr]	~~ccdar~~	**→ oa*** → oi	Prefixed + ai4n*	→ Single-Letter Words ~~ce0-4s~~	~~o[tk]e4o~~
Connectives, Rare, Obscure																		
c | cs + e0-4[dlrsmg]	~~[fptk]e0-4y~~ ~~[or]c-Initial~~	~~l-axis~~		~~-y axis~~	~~om~~	~~[yo][fp]o~~	√	~~c | c[s | fptk] + e4 + c[s | fptk]e4y~~ ~~Superset~~		~~oy~~	~~ek[yoa]~~	~~or[yo]~~ ~~ola~~		oi4[dlrsmg | n]	ai[0-4]	Single-Letter Words	
ce0-4s	~~[fptk]ai4[dlrsmg | n]~~ ~~l[fptk] Prefixes~~ ~~[fp]c-Initial~~	~~[lr] axis~~	~~o[fptk]c + e0-4dy~~	~~-y axis~~	~~om~~	~~otol~~ ~~otar~~					~~ek[yo]~~		→ ce4a ~~ceal~~ ~~cedai4[lrsm | n]~~	oi4[dlrsmg | n] ~~oi~~ ~~oi4n Superset~~ oa	ai[0-4]		
c | cs + e0-4l	→ l[fptk] Prefixes																	

Table 25.13: Most Significant Order Mappings for Main Noun Categories

	Initiators	Planets	Problem/ Disorder	Color/ Symptom	m	Remedy/ Solution	Ingredients Herbal	Liquid	Section 3	Anatomical	e[tk][yoa]	o[lr][yoa] Pipe/Flow/Queue	Treatment or Application Verbs	Pharmaceutical Double-Vowels	Primary Verbs	Connectives, Rare, Obscure	Other
Planet [yo]d[ao]i0-4[lrm | n]	y-initial* ~~[tk]e4dy~~ ~~[tk]e4o~~ ~~[tk]y~~ ~~[fptk]ai4n~~ ~~[fptk]e0-4y~~ ~~l-prefix +~~ ~~[fptk]e0-4y~~ ~~[fptk][yo]lc~~ ~~qo~~	oda* ~~y initial planets~~ ~~odo~~		-y axis * ~~l-axis~~	om*	~~osa~~	-o, -y , -dy endings *	c[fptk]e4o-initial & c[fptk]e4y Superclass* c + c[s | fptk]e4y*		[yo]dy endings* oe0-4s* ~~olt~~				~~oi4n~~			
Problem/ Disorder						**→most remedies especially baths**	**→esp. [lr]-axis**										
[yo][fptk | dlrsmg] + c | cs + e4o	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]* [tk]c-Initial* l[fptk] Prefixes* ~~oa~~ ~~[fptk]ai4[dlrsmg | n]~~	~~[lr]~~	~~o[fptk]c + e0-4dy~~ ~~otc + e0-4 + y | dy | o[dlrs]y~~			o[fptk]ai4n a-axis of [yo][fptk][ao][lr]		~~c | c[s | fptk] + e4 + c[s | fptk]e4y~~ ~~Superset~~ ~~ceckey~~				~~[ao][lr][ao][lr]~~ ~~ol[yo]~~	~~ccar~~	[dlrsmg | fptk] + oi4[dlrsmg | n]*	~~ai4n~~		
o[fptk]c + e0-4y	do-* [fptk]e0-4y* dc-initial* ~~te4dy~~		o[fptk]c + e0-4 + y | dy | o[dlrs]cey * o[fptk]c + e0-4o*	~~yc +~~ ~~e4o[lr]~~ ~~ycc4y +~~ ~~infixed versions~~	om*	o-axis of [yo][fptk][ao][lr]* ~~o[fptk]cdai4n~~ ~~[yo][fptk]e4o~~	~~-o axis~~ ~~-os~~	c[fptk]e4o-initial & c[fptk]e4y Superclass*	~~edo~~	[yo]dy endings* ~~ols~~ ~~olt~~ ~~oe4y~~				~~oi4n~~	Prefixed ai[0-4]* ~~ai4n~~	~~Consonant Clusters/dl~~ ~~c | cs + e0-4l~~	o[tk]e0-4y*
o[dlrs]ce4y	~~[tk]e4dy~~ ~~so-~~	~~[lr]~~	~~o[fptk]c + e0-4dy~~ ~~opc + e0-4 + y | dy | o[dlrs]y~~		~~om~~	~~otol~~ ~~[yo]te4o[dlrsmg]~~	~~-o axis~~			~~ol[dc]~~ ~~oy + oe4y~~		~~ora~~	~~ccan~~		~~ai4[dlrsmg]~~ ~~[fptk | dlrsmg] +~~ ~~ai4[dlrsmg | n] + y suffix~~		o[tk]e0-4y*
o[fptk]c + e0-4dy	~~[tk]e4o~~		o[fptk]c + e0-4 + y | dy | o[dlrs]y * ~~o[fptk]c + e0-4o~~ ~~o[fptk]c + e0-~~	~~[yo]c[fptk]e4y~~		[yo][fptk][ao][lr]* o[fptk]e4dy* [yo][fp][yoa]* ~~[yo][fptk]e4o~~ ~~[yo]te4o[lr]~~	superset esp. -l*	c[fptk]e4o-initial & c[fptk]e4y Superclass* ~~c[fp]e4y + added c sequences &~~ ~~cfeo-Initial~~	ed[yoa]	~~oy~~		~~olo~~	cedai4[lrsm | n]* ~~ceal~~ ~~ccan~~	~~oa~~ ~~oi~~ ~~oi4n Superset~~	~~ai4r~~ ~~rai4n~~	~~Detached Class Modifiers~~	~~a[dlrsmg]~~ ~~e~~

			~~4or~~		~~o[fptk]e4os~~ ~~o[fptk]edar~~ ~~okar~~ ~~ykai0-4n~~		~~c[s	fptk]e4y~~ ~~c[tk]e4[yo]~~ ~~cse4y~~								
o[fptk]c + e0-4ol	~~[tk]e4dy~~ ~~[fp]c-Initial~~ ~~lc-initial~~ ~~l[fptk] Prefixes~~ ~~so~~	~~[lr]~~	~~otc + e0-4 + y | dy | o[dlrs]y~~ ~~okcey~~			o-axis of [yo][fptk][ao][lr]* ~~[yo][fptk]e4od~~ ~~[yo][fptk]e4od~~ ~~+ y~~ ~~otar, otal, okar~~ ~~otai0-4n~~	superset *	c[fptk]e4o-initial & c[fptk]e4y Superclass*	~~[dlrsmg] + c | c[s | fptk] + e4dy~~	~~olk~~	~~ek[yo]~~	~~o[lr][ao][lr]~~ ~~o[lr]a~~ ~~ol[oa]~~		Prefixed ai$^{0-4}$* ~~ai4n~~ ~~ai4r~~ ~~oai4n~~	~~c | cs + e0-4[dlrsmg]~~	
o[fptk]c + e0-4or	~~lc-initial~~ ~~l[fptk] Prefixes~~ ~~[fptk]ai4[dlrsmg | n]~~ ~~[fp]c-Initial~~ ~~lc-initial~~ ~~[tk]e4dy~~	~~n-axis~~	~~o[fptk]c + e0-4dy~~	~~superset~~		~~[yo][fptk]e4o[dlrsmg]~~ ~~[yo]kai0-4n~~ ~~okar~~	superset esp. -r*	~~superset~~ ~~ceckey~~	~~c | c[s | fptk] + e4dy~~	oe0-4s		~~o[lr]a~~	~~eda~~ ~~cedai4[lrsm | n]~~ ~~cear~~		Prefixed ai$^{0-4}$*		
o[fptk]c + e4od						~~[yo][fptk][ao][lr]~~	~~superset~~	~~superset~~										~~o[tk]e0-4y~~
o[fptk]c + e4ody	~~[dlrsmg | fptk]e0-4y~~		o[fptk]c + e0-4 + y | dy | o[dlrs]y *			~~[yo]kai0-4n~~		~~superset~~	~~c | c[s | fptk] + e4dy~~ ~~ed[yoa]~~	~~ol[dtk]~~			~~cedai4[lrsm | n]~~		~~ai4[dlrsmg]~~		
o[fptk]c + e4os						~~[yo][fptk][ao][lr]~~									~~Prefixed ai$^{0-4}$*~~		
Remedy/Solution																	
o[fptk]eda[lrsm | n]	~~[fp]c-Initial~~ ~~[tk]c-Initial~~ ~~[tk]e4dy~~ ~~dc-initial~~ ~~do~~ ~~lc-initial~~		~~okcey~~ ~~o[fptk]c + e0-4dy~~ ~~okce0-4y~~			~~[yo]kai0-4n~~ ~~okol variants~~		~~c[s | fptk]e4y~~ ~~cte4[yo]~~	ed[yoa]* ~~[dlrsmg] + c | c[s | fptk] + e4dy~~	~~od~~ endings oe0-4s	~~ek[yo]~~	o[lr][oa]* [ao][lr][ao][lr] * ~~o[lr]y~~	~~cean~~ ~~cear~~	~~oa~~	→ai$^{0-4}$* but not n		
Baths	[sr]c-Initial* [tk]e4dy* lc-initial* ~~[fptk][dlrs]~~ ~~Prefixes~~ ~~[tk]y~~ ~~te4o~~ ~~y + Non-[dlrs]~~ ~~Prefixes~~	~~y-prefixes~~ ~~m-axis~~ ~~ado~~	o[fptk]c + e0-4dy* opc + e0-4 + y | dy | o[dlrs]y* ~~o-axis~~ ~~ol + c | cs + e4o[lr]~~ ~~o[fptk]ce4[lrsmg]~~ ~~odcey relatives~~ ~~oi4n~~ ~~o[tk]c + e4ody~~ ~~okc + e4or~~ ~~otc + e4ody~~ ~~otc + e4ol~~	→ Superset ~~[yo]cse4y~~ ~~o + c | cs + e4o[lr]~~ ~~ocke4y~~ ~~ocse4y~~ ~~yc + e4o~~ ~~yc + e4o[lr]~~ ~~yc + e4ol~~ ~~yc + e4or~~ ~~yc[s | fptk]e4y~~ ~~ycce4y~~ ~~ycce4y + infixed versions~~ ~~ycce4y + s infixes~~ ~~ycse4y~~	→ om	→most other remedies (less so on o[fptk]ai$^{0-4}$n) →o[fptk]eda[lrsm | n]* o[fptk]ai4n* o[fptk]e4dy* [yo][fptk][ao][lr]* esp. a-axis [yo][fptk]e4d* ~~[yo][fp]y, [yo]fn~~ ~~[yo]ke4os~~ ~~osa~~	~~-od, -oly, -ry, -o~~	~~c[fptk]e4[yo], cteo-initial~~		~~e[tk]o~~ ~~ef[yoa]~~	~~ory~~	cea[lrn] nouns/verbs	→oi ~~oi4n~~		→c | cs + e0-4s	o[tk]e0-4y* ~~ady~~ ~~c + e4 + [fptk]~~ ~~Nouns~~ ~~Double c-Sequence Nouns~~ o[fptk][dlrsmg]
o[fptk]ai4n	y[fptk]-initial* ~~[fptk | dlrs]~~ ~~prefixes to~~ ~~dar~~ ~~[fptk][dlrs]~~ ~~Prefixes~~ ~~[fptk][yo]lc[ro][fptk | l]~~ ~~lc-initial~~ ~~go variants~~ ~~rai4n~~ ~~rc-initial~~ ~~te4o, ko~~		~~otc + e4ody~~ ~~odcey~~	~~o + c | cs + e4o~~ ~~yc + e4o~~ ~~ol + c | cs + e4o[lr]~~	→a[dlrsmg] am*	→a-axis of [yo][fptk][ao][lr]* [yo][fptk][ao][lr]* o[fptk]ai4n* ote4dy* ~~o[fptk]e4os~~ ~~o[fptk]edal~~ ~~opol variants~~ ~~opar variants~~ ~~osa~~ ~~[yo]ke4os~~ ~~[yo]po~~ ~~[yo]ke4o[ro]~~	→trailing o-axis ~~-o, -om~~ ~~axes~~ conflict	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset* c + c[s | fptk]e4y* c[fptk]e4o-initial & c[fptk]e4y Superclass* ceckey* cectey* ~~cfe4[yo]~~	ed[yoa]* ~~c[fptk]e4dy~~ ~~Prefixed Versions of c | c[s | fptk] + e4dy~~	ol[dtk]* ol[tk]* olk* ~~olf~~ ~~olt~~ ~~oy + oe4y~~	→et[yoa]* ek[yoa]* ~~ef[yoa]~~ ~~eko~~	→or[yo]	cea, ea* ceal, cear*	→oi oi4[dlrsmg | n]*	→ai$^{0-4}$* but not n		~~Detached Class Modifiers~~	~~od[fptk | dlrsmg]~~ ~~*~~
[yo][fptk]e4o[dlrsmg]	do-* ~~[fptk][yo]lc[tk]y~~ ~~d[fptk | drs]~~ ~~pc-initial~~ ~~go variants~~ ~~y + Non-[dlrs]~~ ~~Prefixes~~	~~y-prefixed~~	~~o-axis~~ ~~o[fp]c + e0-4 + y | dy | o[dlrs]y~~ ~~otc + e4o[lr]~~ ~~o[tp]ce0-4dy~~	[yo]ce4y + infixed versions* ~~[yo][fp]y~~ ~~[yo]c[fp]~~ ~~[yo]cse4y~~ ~~yc + e4o[lr]~~ ~~ycc4y + infixed versions~~	~~okam~~ ~~o[dlrsmg]am~~	[yo][fptk]e4o[dlrsmg]* esp. –d/-dy o-axis of [yo][fptk][ao][lr]* esp.okol o[fptk]e4os* →[yo][fptk]e4o →o[fptk]ai4n ~~o[fptk][ao]s~~ ~~o[fptk]edai4n~~	superset* ~~-o axis~~	~~c[fp]e4y + added c-sequences & cfeo-Initial~~	~~dcedy relatives~~	[yo]dy endings* oe0-4s*	~~e[tk]o~~ ~~eka~~ ~~e[yoa]~~	o[lr][yoa]*	~~cedaiin~~ ~~cean~~ ~~cear~~	oa*	ai$^{0-4}$* ~~[dlrsmg] + ai4r~~		~~dl Consonant cluster s~~	o[tk]e0-4y* ~~Double c-Sequence Nouns~~ ~~o[fptk] endings~~ ~~a[lr][fptk]~~

o[fptk]o						~~o[tk][ao]~~ ~~[yo]po~~ →o-axis of [yo][fptk][ao][lr]* ~~[yo][fptk]e4o[dlrsmg]~~ ~~a-axis of [yo][fptk][ao][lr]~~ ~~o[fptk]ai4n~~ ~~o[fptk]e4dy~~			~~c	c[s	fptk] + e4dy~~	~~ol[dtk]~~			~~oi4[dlrsmg	n]~~	~~ai$^{\sim\sim}$* but not n, mostly [lr]~~		
[yo][fptk]e4o d + y	~~[fp]c-Initial~~ ~~[fptk]ai4[dlrsmg	n]~~ ~~[fptk]e0-4y~~ ~~ke4dy~~ ~~tc-initial~~ ~~y + Non-[dlrs] Prefixes~~ ~~[sr]c-Initial~~		~~o[dlrs]ce4y~~ ~~Superset~~ ~~o[fptk]c + e0-4dy~~ ~~o[fptk]c + e0-4el~~ ~~o[fptk]c + e0-4or~~ ~~opc + e0-4 + y	dy	ol~~ ~~o[dlrs]ly~~ ~~-o axis~~ ~~olcey~~		→[yo][fptk][ao][lr] →o[fptk]ai4n (weaker) [yo][fptk]e4o[dlrsmg]* [yo]ke4o*		~~cectey~~ ~~cteo-initial~~		→ol[ds], →ol[dtk] (weaker) [yo]dy endings*	~~e[tk][yoa]~~		~~cean~~ ~~cear~~ ~~cedal~~ ~~cedaiin~~		~~dlrsmg] + ai4r~~ ~~ai4l~~		o[tk]e0-4y*
o[fptk]ody	~~[dlrsmg	fptk]e0-4y~~ ~~[tk]c-Initial~~						~~r-axis~~	~~ce4y~~	~~c[s	fptk]e4dy~~	[yo]dy endings*		~~o[lr][yoa]~~ ~~[ao][lr][ao][lr]~~	~~ce4a~~	~~oi~~ ~~superset~~	~~ai$^{\sim\sim}$~~	~~Single-Letter Words~~	
[yo][fptk]e4o d	y[fptk]-initial* ~~[fp]c-Initial~~ ~~[fptk]ai4[dlrsmg	n]~~ ~~[fptk]e0-4y~~ ~~ke4dy~~ ~~tc-initial~~ ~~y + Non-[dlrs] Prefixes~~		~~o[dlrs]ce4y~~ ~~Superset~~ ~~o[fptk]c + e0-4dy~~ ~~o[fptk]c + e0-4el~~ ~~o[fptk]c + e0-4or~~ ~~opc + e0-4 + y	dy	ol~~ ~~o[dlrs]ly~~ ~~-o axis~~	[yo]ce4y + infixed versions*	[yo][fptk]e4o[dlrsmg]* esp. –od/-ody/-ol/[yo]ke4o ~~otor~~		~~cectey~~ ~~cteo-initial~~		[yo]dy endings*	~~e[tk][yoa]~~	→o[lr][oa] ~~or[yo]~~	~~cean~~ ~~cear~~ ~~cedal~~ ~~cedaiin~~	~~oi~~ ~~oi4n~~ ~~Superset~~	~~[dlrsmg] + ai4r~~ ~~ai4l~~	~~Consonant Clusters~~	o[tk]e0-4y*
o[fptk][ao]d	~~[dlrsmg]e0-4y~~ ~~[fp]c-Initial~~ ~~[fptk]ai4[dlrsmg	n]~~ ~~[tk]c-Initial~~ ~~dc-initial~~ ~~ke4dy~~ ~~lc-initial~~ ~~l-prefix + [fptk	dlrsmg] + ai4[dlrsmg	n]~~	→most oda*		o[fptk][ao]d*		~~c[fptk]e4y~~	~~[dlrsmg] + c	c[s	fptk] + e4dy~~	[yo]dy endings*		~~[ao][lr][ao][lr]~~ ~~o[lr]y~~ ~~or[yoa]~~	~~ce4a~~		ai4r ~~y-suffixed~~	~~c	cs + e0-4[dlrsmg]~~	
[yo][fptk][ao][lr]	~~[fptk	dlrs] prefixes to daiin, dal~~ ~~[fptk][dlrs] Prefixes~~ ~~[fptk][yo]c~~ ~~[fptk]e0-4y~~ ~~[sr][fptk	l]~~ ~~[tk]y~~ ~~b~~ ~~l-prefix + [fptk]e0-4y~~ ~~rc-initial~~	→oda	~~ofce0-4y~~ ~~opc + e4or~~ ~~otc + e4o~~	~~[yo]c + e4ody~~ ~~[yo]c[fp]~~ ~~o + c	cs + e4o~~	om*	[yo][fptk][ao][lr]* esp. a-axis [yo]pa* ~~ofar~~	→some ~~-o, -om axes~~	→(very little) ce4y, cse4y* cectey* ~~ccepey~~	ed[yoa]*	ol[dtk]* ol[tk]* olk*		→some a[lr][ao][lr]*		→oo + oe4o* oi4[dlrsmg	n]*	superset but not n, mostly [lr]	→Consonant Clusters/dl * c	cs + e0-4[dlrsmg]* esp. d ~~c	cs + e0-4r~~	~~ady~~ ~~c + e4 + [fptk]c~~ ~~Nouns~~ ~~q-prefix~~ ~~exceptions~~
o-axis of [yo][fptk][ao][lr]	dp-* ~~[fptk	dlrs] prefixes to dai4[lrsm	n]~~ ~~[fptk][yo]c~~ ~~[fptk]ai4[dlrsmg	n]~~ ~~[fptk]e0-4y~~ ~~[sr]c-Initial~~ ~~[tk]y~~ ~~rc-initial~~ ~~sc-initial~~ ~~te4dy~~ ~~ke4o~~	superset* esp. [lr]	~~-o axis~~ ~~o[fptk]ce4[lrsmg]~~ ~~ofc + e0-4 + y	dy	ol~~ ~~o[dlrs]ly~~	~~[yo]c[fp]~~ ~~[yo]cse4y~~ ~~[yo]e4	c + [fp]~~ ~~o + c	cs + e4o[lr]~~	~~a[dlrsmg]am~~	→o[fptk]ai4n →otar variants* o-axis of [yo][fptk][ao][lr]* okol* ~~[yo][fp]o, [yo]fo~~ ~~[yo]e0-4[fp]e0-4[yo], oe0-4[fp]oe0-4[lr]~~ ~~[yo][fptk]e4o,~~ ~~o[fptk]o~~ ~~o[fptk][ao]s~~ ~~o[fptk]e4os~~	superset* esp. [lr] –y ~~-o, -om axes~~ ~~ckeo-initial~~	c + c[s	fptk]e4y* ~~c-sequence + e4 + [fptk] + c-sequence + e4 + y~~ ~~c-sequence + e4 + [fptk] + e4 + y~~	c	c[s	fptk] + e4dy*	ol[dtk]* ol[tk]* olk* ~~oe4y~~	~~e[fp][yoa]~~			oi*	[dlrsmg	fptk] + ai4n*	~~c	cs + e0-4l~~ ~~dl~~ ~~Consonant clusters~~	~~a[lr][fptk]~~ ~~a[lr]an~~ ~~c + e4 + [fptk]~~ ~~Endings~~ ~~faceys-relatives~~

	~~l-prefix + [fptk]e0-4y~~					~~okod~~											
a-axis of [yo][fptk][ao][lr]	~~m-axis~~		~~ofce0-4y~~ ~~oke + e4ody~~ ~~oke + e4or~~ ~~ote + e4o~~ ~~ote + e4ol~~	~~o + c	cs + e4o~~ ~~oce4y~~ ~~[yo]c + e4ody~~ ~~[yo]c[fp]~~	om*	[yo][fptk][ao][lr]* esp. a-axis ~~[yo][fp]y, [yo]fo~~ ~~[yo][fptk]e4o~~ ~~[yo]te4or~~ ~~olar variants~~	~~-o, -om, -ory axes~~	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset* c | c[s | fptk] + e4 + c[s | fptk]e4y Superset* cectey* ~~c[fp]e4y + added c-sequences~~ ~~cpe4[yo]~~ ~~cte4y~~	ed[yoa]* ~~Prefixed Versions of c | c[s | fptk] + e4dy~~	~~olf~~	eky* ~~eko~~		cear* ce4a* ~~ceal nouns~~	oi4[dlrs mg | n]* ~~oi4n~~	superset* esp. [lr]	c | cs + e0-4[dlrs mg] esp. d*	~~ady~~ ~~c + e4 + [fptk] Nouns~~
o[fptk][ao]s, o[fptk]e4os	~~[dlrsmg | fptk]e0-4y~~ ~~[tk]c-Initial~~ ~~[fp]c-Initial~~ (eo) ~~[fptk]ai4[dlrsmg | n]~~ (eo) ~~dc-initial~~ (eo) ~~lc-initial~~ (eo)	~~oda~~	o[fptk]c + e0-4dy (eo) otc + e0-4 + y | dy | o[dlrs]y (eo)	~~om~~ (ao)	~~[yo]kai0-4n~~ ~~o-axis of [yo][fptk][ao][lr]~~ (ao) ~~okar variants~~ (eo) ~~o[tk]e4dy~~ (eo)	→superset ~~l-axis~~ (ao)	~~c | c[s | fptk] + e4 + c[s | fptk]e4y Superset c[fptk]e4o-initial & c[fptk]e4y Superclass~~ (ao) ~~ce4y~~ (ao) ~~ceckey~~(eo) ~~cte4[yo]~~ (eo)	~~c[s | fptk]e4dy~~	oe0-4s* ~~[yo]dy endings~~	~~ok[yoa]~~ (eo)	~~[ao][lr][ao][lr]~~ (ao) ~~o[lr][yoa]~~ (ao) ~~o[lr][yo]~~ (eo) ~~or[yoa]~~ (eo)	~~ea, ce4a~~ (eo)	→oi ~~[dlrsmg | fptk] + oi4[dlrsmg | n]~~ (ao)	→ai$^{0-4}$* * (both) ~~n-aixs~~		~~o[tk]e0-4y~~ (oa)
osa	→y-initial ~~[dlrsmg | fptk]e0-4y~~								~~c | c[s | fptk] + e4dy~~	~~oe0-4s~~		→o[lr][yoa]			~~superset~~	~~superset~~	~~oke0-4y~~
[yo][fp][yoa]	y-initial* ~~[fptk]ai4[lr]~~ ~~[fptk]e0-4y~~ ~~[sr]c-Initial~~ ~~[tk]c-Initial~~ ~~[tk]e4dy~~ ~~[tk]e4o~~ ~~pc-initial~~ ~~tc-initial~~ ~~do~~ ~~so~~ ~~l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]~~		opc + e0-4 + y | dy | o[dlrs]y* ~~o[dlrs]ce4y~~ ~~Superset o[fptk]c + e0-4or~~ ~~olcey~~ ~~okce0-4dy~~	~~oc[fptk]e4y~~	~~om~~	[yo][fp][yoa]* [yo][fp]ai0-4[rn] * ~~[yo][fptk]e4or~~ ~~[yo]ke4o[lr]~~ ~~okal~~ ~~okol~~	~~-os~~	~~c | c[s | fptk] + e4 + c[s | fptk]e4y Superset cec[tk]ey relatives c[tk]e4[yo]~~		~~oy + oe4y~~	~~eka~~ ~~e[yo]~~	→o[lr][yoa], →[ao][lr][ao][lr] o[lr][yoa]* ~~dairol/soral relatives~~	~~cean~~ ~~cear~~		superset*		
Anatomical																	
oy+ oe4y	[tk]e4o* ~~[fptk]ai4[lrm]~~ ~~& -y suffix~~ ~~ke4dy~~		→o[dlrs]ce4y →okce0-4y			**→o[fptk]ai4n** ~~[yo]kai0-4n~~ ~~[yo][fp][yoa]~~	**→ superset**	superset* ~~cectey~~		[yo]dy endings* ~~o[dr]~~	~~eka, eky~~	→a[lr][ao][lr] ~~o[lr]o~~ ~~or[yo]~~	~~cean~~ ~~cear~~ ~~cedaiin~~		→ai$^{0-4}$ ~~ai4l~~ ~~dai4n~~		~~ai0-4[dlrsmg][dlrsmg]~~
oe0-4s	y-initial* ~~[fptk | dlrs] prefixes to dai4[lrsm | n]~~ ~~[fptk]ai4[dlrsmg | n]~~ ~~[fptk]e0-4y~~ ~~[tk]e4dy~~ ko l[drs] Prefixes l-prefix + [fptk]e0-4y	~~y-prefixed~~	~~otc + e4ol~~ ~~otce0-4y~~ ~~ofc + e0-4 + y | dy | o[dlrs]y~~ ~~opce0-4dy~~	-y axis* ~~[yo]c + e4dy~~ ~~[yo]ce4y~~ ~~oce4y + s-infixes~~	~~[dlrsmg]ai4m~~ ~~n~~ ~~o[dlrsmg]am~~	~~otal, otol, otod~~ ~~oe0-4[fp]oe0-4[lr]~~	superset* esp. –dy, -s	c + c[s | fptk]e4y* c[fptk]e4o-initial & c[fptk]e4y Superclass* c[s | fptk]e4y* ~~c[fp]e4y + added c-sequences~~	~~ceedy superset~~	→ol[tk] [yo]dy endings* oe0-4s*	~~e-initial~~ ~~eta~~	[ao][lr][ao][lr] *	~~cear nouns~~ ~~cedal~~	oi* oi4[dlrs mg | n]*	ai$^{0-4}$* ~~rai4n*~~	~~dl Consonant clusters~~	~~a[lr][fptk]~~ ~~o[fptk][dlrsmg]~~
ol[ds]	dc-initial* y-initial* so* ~~[fp]c-Initial~~ ~~[fptk]ai4n~~ ~~[fptk]e0-4y~~ ~~[tk]e4o~~ ~~ke4dy~~ ~~tk-initial~~ ~~l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]~~		o[fptk]c + e0-4or* ~~opc + e0-4 + y | dy | o[dlrs]y~~ ~~opce0-4dy~~ ~~otce0-4dy~~	superclass*	~~[dlrsmg]ai4m~~ ~~n~~ ~~o~~ ~~am~~	[yo][fptk][ao][lr]* [yo][fptk]e4o[lr] * ~~[yo][fptk]e4od~~ ~~[yo][fptk]e4od + y~~	~~ce4o~~	~~cectey relatives cte4[yo]~~		→ol[tk]	~~ok[yo]~~	o[lr][yoa]*	~~cedaiin~~ ~~cedal~~			~~c | cs + e0-4[dlrsmg]~~	
ol[dtk]	→l-prefixes l[fptk] Prefixes* l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]*	~~ode~~	o[fptk]c + e0-4or* ~~o[fptk]c + e0-4o~~ ~~o[fptk]c + e4ody~~	~~[yo]c[fp]~~ ~~[yo]ce4y~~ ~~yce4y + infixed~~	~~om~~	→**[yo][fptk]e4o[lr]** [yo][fptk][ao][lr]* o[fptk]e4dy* [yo]ke4o[lr]*		~~ce4o~~ ~~cke0-initial~~ ~~-o~~	~~c-sequence + e4 + [fptk] +~~	ed[yoa]*		ol[dtk]* olk* ol[tk]* ~~ols~~	~~c[tk]o~~ ~~e-initial~~ ~~eta~~	o[lr]y*		→oa [q | fptk | dlrsmg] + oi0-4[lr]*		~~cse0-4s~~	

	~~[fp]c Initial~~ ~~[tk]y~~ ~~te4o~~ ~~go variants~~		~~okc + e4ol~~	~~versions~~		~~[yo][fptk]e4d~~ ~~[yo]fa, [yo]pa~~ ~~oe0-4[fp]oe0-4[lr]~~ ~~[yo]te4od~~ ~~[yo]te4os~~ ~~o[fptk]e4os~~ ~~opar~~	~~-od~~ ~~-om~~	~~e4 + y~~		~~oe4y~~			~~oi4n~~ ~~oo~~			
e[tk][yoa] vs. o[lr][yoa]															
o[lr][yoa]	→[fptk]-initiators →dc-initial y-initial* ~~l[dks] Prefixes~~ ~~l-prefix + [fptk-|dlrsmg]ai4[dlrsmg|n]~~ ~~l-prefix + [fptk]e0-4y~~ ~~re-initial~~ ~~[fptk][yo]lc~~	~~odo~~ → l-axis (o[lr]a)	→-y/-dy axes but only t-axis ~~o[fptk]e + e4ody~~ ~~o[fptk]ce4[lrsmg]~~ ~~okc + e4or~~	~~oce4y + s infixes~~ ~~[yo]c[fp]~~ ~~[yo]cp~~ ~~[yo]e4 | c +~~ ~~[fp]~~ ~~o + c | cs +~~ ~~e4or~~	~~okam~~	**→[yo][fp]y** [yo][fptk]e4o[dlrsmg]* esp. internally ~~o[fptk]o~~ ~~o[tk][ao]o~~ ~~osa~~ ~~opar~~ ~~[yo][fp]ai0-4[rn]~~ ~~[yo]fa~~	~~-oly~~	~~cke4y~~	~~Prefixed Versions of c | c[s | fptk] + e4dy~~	oe4y* some o[dtk]	~~eta~~ →ek[yoa] (on o[lr][oa], or[yoa])	r → l internally o[lr][yoa]*			→ce0-4s relatives ~~dt~~ ~~Consonant clusters~~	~~a[dlrsmg]e~~ ~~a[lr][fptk]~~ ~~a[lr]an~~ ~~d[fptk|dks]~~ ~~Double c Sequence Nouns o[fptk] endings~~ ~~od[fptk|dlrsmg]~~
[ao][lr][ao][lr]	~~[fptk][yo]lc~~ ~~[fptk]e0-4y~~ ~~[tk]y~~ ~~l[dks] Prefixes~~ ~~l-prefix + [fptk]e0-4y~~ ~~go variants~~ ~~re-initial~~	odo y-prefixed	~~-o axis~~ ~~-ody axis~~ ~~o[fptk]ce4[lrsmg]~~ ~~otc + e4ol~~	~~[yo]c +~~ ~~e4ody~~ ~~oce4y~~	~~okam~~	okal* ~~o[fptk]edai4n~~ ~~o[fptk]o~~ ~~opar~~ ~~otol~~ ~~[yo][fp]ai0-4[rn]~~ ~~[yo][fptk]e4d~~ ~~[yo]fa~~ ~~[yo]te4os~~	~~prefixed-o~~ ~~-om~~	~~c[fptk]c polygraph~~ ~~c[tk]c4y~~	→c[s | fptk]e4dy*		~~c[fp][yoa]~~	[ao][lr][ao][lr]* o[lr][yoa]* →dairol/soral relatives (on a[lr][ao][lr]) ~~ory~~		oa*	ai$^{0-4}$*		~~o[fptk]~~ ~~endings~~ ~~o[fptk][dlrsmg]~~ ~~Double c Sequence Nouns a[lr]an~~
dairol/soral relatives	~~[fptk]ai4[dlrsmg|n]~~ ~~[tk]e4o~~ ~~l-prefix + [fptk|dlrsmg] + ai4[dlrsmg|n]~~ ~~te-initial~~		~~odcey~~			~~[yo]ai0-4n~~ ~~[yo]te4o[dlrsmg]~~ ~~okar~~ ~~okol~~ ~~otol~~	~~-o axis~~	~~c | c[s | fptk] + e4 + c[s | fptk]e4y~~ ~~Superset~~ ~~cte4[yo]~~	→c[s | fptk]e4dy	~~od endings~~	~~ok[yoa]~~	→o[lr][yoa] o[lr][oa]* ~~o[lr]y~~	~~ceal~~	~~oi~~ ~~oi4n Superset~~			
e[tk]yoa]						→[yo][fptk]e4o[dlrsmg] →[yo][fptk][ao][lr]						→ol[yoa]					
et[yoa]	~~[fp]c Initial~~ ~~tc-initial~~ ~~dc-initial~~ ~~l[fptk] Prefixes~~		~~odcey~~		~~om~~	~~okal, okar, okol~~		~~cockey~~	ed[yoa]*	~~od endings~~		~~o[lr]o~~ ~~ol[oa]~~		~~oa~~		~~c | cs + e0-4[dlrsmg]~~	o[tk]e0-4y*
ek[yoa]	~~[fp]c Initial~~ ~~[fptk]e0-4y~~ ~~l[dks] Prefixes~~ ~~te4dy~~		~~-o axis~~ ~~-ol axis~~ ~~opce0-4y~~	~~[yo]c + e4dy~~ ~~ocke4y~~	~~g~~ ~~otam~~ ~~[yo][fp]ai0-4[rn]~~	[yo][fptk][ao][lr]* o[fptk]ai4n* ~~[yo][fp]a~~		~~cpe4[yo]~~				~~o[lr]o~~ ~~olai0-4n~~ ~~aro[dlrsmg]~~			Prefixed ai$^{0-4}$* ~~[dlrsmg] + ai4n~~ ~~ai4l~~		
ef[yoa]						~~a-axis of [yo][fptk][ao][lr]~~ ~~o[fptk]ai4n~~							~~ea~~		~~ai$^{0-4}$~~		
ep[yoa]		~~oda~~						~~c[fptk]e4o-initial & c[fptk]e4y Superclass~~					~~ea~~				~~o[tk]e0-4y~~

Table 25.14: Most Significant Order Mappings for Suspected Ingredients

	Initiators	Planets	Problem/ Disorder	Color/ Symptom	m	Remedy/ Solution	Ingredients Herbal	Liquid	Section 3	Anatomical	e[tk][yoa]	o[lr][yoa] Pipe/Flow/ Queue	Treatment or Application Verbs	Pharmaceutical Double-Vowels	Primary Verbs	Connectives, Rare, Obscure	Other
Herbal																	
[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]	→some [tk]-initiators →l-prefixes →y-initial [dlrsmg]e0-4y* [fptk]ai4[dlrsmg | n]* do* ko* ~~[fptk | dlrs] prefixes to daiin~~ ~~[fptk][dlrs] Prefixes~~	~~m-axis~~	→o[dlrs]ce4y * →o[fptk]c + e0-4y ~~[yo][fptk]ce4d ofce0-4y~~	~~ace4y yce4y~~ oc[fptk]e4y* [yo]c[fptk]e4y* [yo]e4 | c + [fp]*	~~cedam~~ om* dai4m*	[yo][fptk]e4o[lr]* [yo]ke4o[dlrsmg]* o-axis of [yo][fptk][ao][lr] esp. otol* ~~[yo]te4os~~ ~~o[fptk]edai4n~~ ~~o[fptk]edal~~ ~~o[fptk]o~~ ~~opor~~	whole superset*	c + c[s | fptk]e4y* c[fptk]e4o-initial & c[fptk]e4y Superclass* c[ptk]e4[yo]*	~~deedy relatives~~	ol[ds]* [yo]dy endings* ~~ee4y~~ ~~olp~~	ek[yo]* ~~eto~~	o[lr][yoa]* ~~dairol/soral relatives~~	→most ea* ce4a + [lrn]*	→oo + oe4o dlrsmg | fptk] + oi4[dlrsmg | n]*	Prefixed ai^{0-4}* ~~a~~	~~ccees~~	~~a[dlrsmg]e~~ ~~a[fptk]a~~ ~~o[fptk]d~~
-o	[tk]c-Initial* [tk]e4o* l[fptk] Prefixes* lc-initial* rc-initial* ~~sc-initial~~ ~~te4dy~~		~~o[fptk]c + e0-4or~~ ~~o[tk]ce0-4dy~~	~~[yo]c + e4dy~~ ~~[yo]e4 | c + [fp]~~ ~~o + c | cs + e4o[lr]~~ ~~yce4y + infixed versions~~ ~~yce4y + s infixes~~	~~a[dlrsmg]a m~~	~~[yo][fptk]e4o~~ ~~[yo][ptk]e4or~~ ~~[yo]pa~~ ~~[yo]te4o[lr]~~ ~~o[ptk]e4os~~	whole superset*	superset* c[fptk]e4o-initial & c[fptk]e4y Superclass* c[tk]e4[yo]*	~~edo~~ ~~deedy~~ ~~ese4dy~~	[yo]dy endings* oe0-4s* ~~ols~~	~~e[fp][yoa]~~ ~~et[yoa]~~	~~olai0-4n~~ ~~oro~~ ~~oro[dlrsmg]~~	~~ceda[lr]~~	[dlrsmg | fptk] + oi4[dlrsmg | n]*	Prefixed ai^{0-4}*	Single-Letter Words*	~~o[tk]e4s~~ ~~o[ptk] endings~~ ~~a[dlrsmg]e~~
-ody	~~[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix~~ ~~[fptk]e0-4y~~ ~~lc-initial~~	superset*	o[fptk]c + e0-4 + y | dy | o[dlrs]y *	[yo]ce4y + infixed versions* ~~[yo]ce4y~~	~~g~~	[yo][fptk][ao][lr]* esp. o-axis, okol [yo][fptk]e4o[dlrsmg]* [yo][fptk]e4od* [yo][fptk]e4od + y* ~~o[fptk]eda[lrsm | n]~~ ~~otor variants~~ ~~[yo]pa~~ ~~oke4dy~~	-dy, -y endings*	c[fptk]e4o-initial & c[fptk]e4y Superclass* ~~ceetey~~	~~[dlrsmg] + c | c[s | fptk] + e4dy~~ ~~edo~~	[yo]dy endings*	~~o[lr][yoa]~~ ~~olai0-4n~~	~~cedal~~ ~~cear~~		~~ai4l~~ ~~rai4n~~	~~c | cs + e0-4d~~ ~~Consonant Clusters~~	
-od							~~r-axis~~	~~c[s | fptk]e4y~~				ol[yoa]* o[lr][yoa]*	~~eda~~	~~[dlrsmg | fptk] + oi4[dlrsmg | n]~~	~~ai4[dlrsmg]~~		
-ol	[dlrsmg | fptk]e0-4y* [fptk]ai4[dlrsmg | n]* [tk]c-Initial* [tk]e4dy* do* ko* ~~[fptk | dlrs] prefixes to daiin~~ ~~[fptk][dlrs] Prefixes~~ ~~rc-initial~~	~~m-axis~~ ~~y-prefixed~~	~~[yo][fptk]ce4d odcey~~	~~[yo]c + e4ody~~ ~~[yo]ce4y + s infixes~~ ~~o + c | cs + e4or~~ ~~yc + e4o~~ ~~yc + e4ol~~	dai4m*	[yo]ke4o[dlrsmg] esp. [lr], r* o-axis of [yo][fptk][ao][lr]* ~~[yo]fo~~ ~~[yo]ke4os~~ ~~[yo]py~~ ~~[yo]te4o~~ ~~o[fptk][ao]s~~ ~~o[fptk]e4os~~ ~~o[fptk]edai4n~~ ~~o[fptk]edal~~ ~~o[fptk]o~~ ~~o[tk][ao]s~~ ~~oss~~	superset* esp. –[lr], -y, -dy ~~c[fptk]e4o~~	superset* c[fptk]e4o-initial & c[fptk]e4y Superclass* c[s | fptk]e4y* c[pt]e4[yo]*	[fptk] + c | c[s | fptk] + e4dy* ~~c[fptk]e4dy~~ ~~deedy~~ ~~edo~~	[yo]dy endings* ~~ee4y~~	~~ep[yoa]~~	~~dairol/soral~~	cean* ~~cear-nouns~~ ~~cedal~~	[dlrsmg | fptk] + oi4[dlrsmg | n]*	*Prefixed ai0-4**	~~Detached Class Modifiers~~	~~o[fptk][dlrsmg]~~ ~~od[fptk | dlrsmg]~~ ~~a[dlrsmg]e~~ ~~faceys relatives~~
-or	~~[fptk]ai4n~~ ~~[tk]e4dy~~ ~~l-prefix +~~ ~~[fptk]e0-4y~~ ~~rc-initial~~ ~~te4o~~		~~o[fptk]c + e4ody~~ ~~ofc + e0-4 + y | dy | o[dlrs]y~~ ~~ofc + e4 + y | dy | o + [lr]~~ ~~Superset~~ ~~okc + e4or~~ ~~otce0-4dy~~	~~[yo]c + e4dy~~ ~~[yo]e[fp]~~ ~~[yo]ece4y~~ ~~ece4y + s infixes~~ ~~yc + e4o[lr]~~	~~a[dlrsmg]o m~~ ~~okam~~	o-axis of [yo][fptk][ao][lr] esp. otol* ~~[yo][fptk]e4d~~ ~~[yo]e0-4[fp]e0-4[yo]~~ ~~oe0-4[fp]oe0-4[lr]~~ ~~[yo]te4os~~ ~~o[fptk]e4os~~ ~~o[fptk]eda[lrsm | n]~~ ~~otod variants~~	superset* esp. –[lr], -y	superset* c[fptk]e4o-initial & c[fptk]e4y Superclass* c[s | fptk]e4y* c[tk]e4[yo]*	~~[dlrsmg] + c | c[s | fptk] + e4dy~~ ~~edo~~ ~~deedy~~	~~ee4y~~ ~~elt~~		~~are[dlrsmg]~~ ~~dairol/soral relatives~~ ~~olai0-4n~~	ea, ce4a esp. –n*	~~oo~~		~~c | cs + e0-4[dl]~~ ~~Consonant Clusters/dl~~	ote0-4y* ~~a[dlrsmg]e~~ ~~a[ls]an~~ ~~faceys relatives~~ ~~o[fptk] endings~~
-os	~~[fptk]ai4[dlrsmg | n]~~ ~~[tk]c-Initial~~ ~~[tk]e4dy~~	superset*	~~opc + e0-4 + y | dy | o[dlrs]y~~ ~~otce0-4y~~			~~oke4dy~~ ~~o-axis of~~ ~~[yo][fptk][ao][lr]~~ ~~ota[lr]~~		superset* c[fptk]e4o-initial & c[fptk]e4y Superclass* ~~c | c[s | fptk] + e4 + c[s | fptk]e4y Superset~~	~~[dlrsmg] + c | c[s | fptk] + e4dy~~	oe0-4s*		o[lr][yoa]*	~~eda~~	oi4[dlrsmg | n]*	ai0-4* esp. n ~~but not prefixed sai4n~~	~~c | cs + e0-4[dlrsmg]~~	

-om			superset	o[fptk]c + e0-4 + y | dy | o[dlrs]y			[yo]kai0-4n o[fptk]e4dy	superset*	ceckey ce4y	ce4dy					ea, ce4a ceda		oi4[dlrsmg | n]		ai4[lr]			ote0-4y
Liquid																								
[fptk | dlrsmg] + c | c[s | fptk] + e4y					→–y axis	→ om	→o[fptk]eda[lrsm | n]			→[dlrsmg] + c | c[s | fptk] + e4dy													
up to & including cec[fptk]e4y				→o[fptk]c + e0-4dy	[yo]c[fp] [yo]cse4y ocse4y	cedam			-ory axis														
c + c[s | fptk]e4y	[dlrsmg | fptk]e0-4y* [fptk]ai4[dlrsmg | n]* [tk]c-Initial* [tk]e4dy* [tk]e4o, ko* l[fptk] Prefixes* lc-initial* l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]* qo variants* b [fptk | dlrs] prefixes to dar			o[fptk]c + e0-4y* [yo][fptk]ce4d olc + e4o olc + e4ody ofce0-4dy	ye[s | fptk]e4y	cedam otam	o[fptk]ai4n* [yo][fptk]e4o[lr]* [yo]te4o[dlrsmg]* ofar, opar, opor [yo]fa [yo]ke4os		[fptk | dlrsmg] + c | c[s | fptk] + e4y* c[fptk]e4o-initial & c[fptk]e4y Superclass* c[fptk]e4y c[tk]e4[yo]*	Prefixed Versions of c | c[s | fptk] + e4dy	→old				[dlrsmg | fptk] + oi4[dlrsmg | n]* [q | fptk | dlrsmg] + oi0-4[lr]* oi* oi4n Superset* oi4n	Prefixed ai0-4*		ao[tk]e0-4y* [fptk]y a[lr]an a[lr]o Endings o[fptk]d od[fptk | dlrsmg] odl *
c[fptk]e4y	ko-* [fptk]ai4[lr] [fptk]e0-4y [tk]e4dy l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] lc-initial	r axis	o[fptk]c + e0-4y* o[fptk]c + e0-4dy		om	o-axis of [yo][fptk][ao][lr]* [yo][fptk]e4o[dlrsmg]* [yo][fp][yoa] [yo]e0-4[fp]e0-4[yo] o[fptk]eda[lrsm | n] oke4dy otar	superset* -os axis	c[fptk]e4o-initial & c[fptk]e4y Superclass*	[fptk] + c | c[s | fptk] + e4dy		eka ce[yoa]	→o[lr][yoa] olai0-4n	cedal ceal	[dlrsmg | fptk] + oi4[dlrsmg | n]*	Prefixed ai0-4* ai4[dlrsmg]		
ce4y	[dlrsmg | fptk]e0-4y* [fptk]ai4[dlrsmg | n]* [fptk]e0-4y* [tk]c-Initial* [tk]e4dy* [tk]e4o, ko* l[fptk] Prefixes* lc-initial* l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]*	edo	o-axis o[fptk]c + e0-4or o[fptk]c + e4ody o[fptk]ce4[lrsmg] ofc + e0-4 + y | dy | o[dlrs]y opce0-4y	[yo]c[fp] [yo]cse4y [yo]e4 | c + [fp] o + c | cs + e4o[lr] ye + e4o[lr]	ceam otam g	o[fptk]ai4n* but not y-prefixed [yo][fp][yoa] [yo]e0-4[fp]e0-4[yo] oe0-4[fp]oe0-4[lr] [yo]te4ol	cse4o	→larger/more complex liquid sets superset* c[fptk]e4y*	c | c[s | fptk] + e4dy #1 c[s | fptk]e4dy ce4dy cse4dy edo deedy	olt	e[fp][yoa] e[tk]o		ceam cedar	[dlrsmg | fptk] + oi4[dlrsmg | n]* [q | fptk | dlrsmg] + oi0-4[lr]* oi4n	Prefixed ai0-4*	c | cs + e0-4d cse0-4y dl Consonant clusters	o[tk]e0-4y* a[lr]an c[fptk]e polygraph Double c Sequence Nouns
cectey	[dlrsmg]e0-4y [fptk | dlrsmg] + ai4[dlrsmg | n] + y suffix [tk]e4o	[lr axis	o[fptk]c + e0-4y	[yo]ce4y + infixed versions		o[fptk]e4dy* o[fptk]ai4n* [yo][fptk][ao][lr] esp. a-axis* [yo][fp][yoa] [yo]ke4od okol	c | c[s | fptk] + e4o	cse4y	ed[yoa]*	ol[ds]	ek[yoa]	ola		cean cear	oa oi i4n Superset oe		ai4[lra]	c | cs + e0-4[dlrsmg]	o[tk]e0-4y*
ceckey	lc-initial* l[fptk] Prefixes* [tk]e4dy* [fptk]e0-4y ke4o, ko y + Non-[dlrs] Prefixes [fp]c-Initial lc-Initial y-initial	l-axis	[yo][fptk] [dlrsmg] + c | cs + e4o o[fptk]c + e0-4or opce0-4dy opce0-4y	[yo]c + e4dy ocke4y	dai4ng	o[fptk]ai4n* [yo][fptk][ao][lr] esp. a-axis* o[fptk][ao]d o[fptk]eda[lrsm | n] okor, otor [yo][fp][yoa] [yo]e0-4[fp]e0-4[yo]	-o axis	ceckey* cte4y c[fptk]e4y		edy* [fptk] + c | c[s | fptk] + e4dy			ole ory	cean verbs cedaiin	oo + oe4o	[dlrsmg | fptk] + ai4n* [dlrsmg] + ai4[rm] ai4[rm]	
cecpey							[yo][fptk][ao][lr]		[fptk | dlrsmg] + c | c[s | fptk] + e4y													
cecfey											ed[yoa]											
Section 3 Ingredients																								
[fptk] + c | c[s | fptk] + e4dy	[tk]e4o lk-initial l-prefix + [fptk |	[lr]	o[fptk]c + e0-4dy* o[fptk]c + e0-4 + y | dy |	superclass		→[yo][fptk][ao][lr]* esp. a-axis →o[fptk]ai4n →[yo][fp][yoa]	cse4o	c[fptk]e4y ceckey cte4[yo]		ed[yoa]*		→ol[dk] ol[ds] od	cear cean	ola or[yo]		oa	→Prefixed ai$^{0-4}$ ai0-4* sai4n	c | cs + e0-4[dlrsmg]

	~~dlrsmg] + ai4[dlrsmg | n] y + Non-[dlrs] Prefixes~~		o[dlrs]y * ~~odcey~~			[yo][fptk]e4od* [yo][fptk]e4od + y* [yo]te4o[dlrsmg]*					~~endings~~				~~Single-Letter Words~~	
c | c[s | fptk] + e4dy	lc-initial* l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]* te4dy*	~~m-axis yd[ao]i0-4n~~	→o[fptk]c + e0-4dy →olcey o[fptk]c + e0-4 + y | dy | o[dlrs]y * o[fptk]c + e0-4dy* ~~odcey~~ ~~o-axis~~	~~o + c | cs + e4ol~~ ~~oce4y + s infixes~~ ~~[yo]c + e4ody~~ ~~[yo]cse4y~~ ~~yc + e4o~~ ~~yc + e4ol~~ ~~yc[s+]~~ ~~[fptk]e4y~~ ~~ycse4y~~	~~om~~	[yo][fptk][ao][lr] esp. a-axis* o[fptk]ai4n* o[fptk]e4dy* o[fptk]eda[lrsm | n]* ~~[yo][fptk]e4om~~ ~~[yo][fp][yo]~~ ~~oe0-4[fp]oe0-4[lr]~~ ~~[yo][fptk]e4o,~~ ~~o[fptk]o~~ ~~o[tk]c + e4ody~~ ~~o[tk]c + e4or~~ ~~ol + c | cs +~~ ~~e4o[lr]~~ ~~opai0-4n,ytai0-4n~~ ~~o[pt]c + e4ol~~ ~~oso~~	~~-om, -ory~~	→c[fptk]e4y ce4y ~~c[fp]e4y + added c-sequences~~ ~~c[fp]e4y + added c-sequences & cfeo-Initial~~ ~~cke4[yo]~~ ~~cteo-initial~~ ~~cse4o~~	c | c[s | fptk] + e4dy* superclass*	~~ols~~	eda*	~~cean~~ ~~ceal~~		~~oi4n~~		~~cse0-4s~~ ~~dl~~ ~~c | cs +~~ ~~e0-4lConsonant clusters~~	o[tk]e0-4y* ~~faceys~~ ~~relatives~~ ~~od[fptk | dlrsmg]~~ ~~o[fptk][dlrsmg]~~ ~~a[lr]an~~ ~~a[lr]o~~ ~~Endings~~
c[fptk]e4dy						~~a-axis of~~ [yo][fptk][ao][lr]	~~superset~~	~~superset~~ ~~c[fptk]e4o-initial &~~ ~~c[fptk]e4y Superclass~~	~~c + c[s | fptk] + e4dy~~			→o[lr][yoa]	~~ea~~		~~ai0-4~~			
c + e4dy	[fp]c-Initial* [tk]e4dy* l[drs] Prefixes* lc-initial* qo variants* rc-initial* ~~b~~	~~m-axis~~	o[fptk]c + e0-4 + y | dy | o[dlrs]y * o[fptk]c + e0-4dy* [yo][fptk]ce4d* olcey* ~~o[fptk]c +~~ ~~e4od~~ ~~odcey~~ ~~olc + e4o~~ ~~olc + e4ody~~ ~~o[tk]c + e4or~~ ~~ol + c | cs +~~ ~~e4o[lr]~~	~~yc + e4o~~ ~~yc + e4ol~~ ~~yc[s+]~~ ~~[fptk]e4y~~	okam* ~~okam~~ ~~m-axis planets~~ ~~[yo][fptk]c4om~~ ~~-om herbal~~ ~~o[fptk | dlrsmg]e4g~~	→o[fptk]e4os →o[fptk][ao]s o[fptk]ai4n* o[fptk]e4dy* o[fptk]eda[lrsm | n]* [yo][fptk][ao][lr]* [yo][fptk]e4d* ~~[yo][fptk]e4om~~ ~~oteos variants~~ ~~okos variants~~ ~~opai0-4n~~	~~-om, -ory~~	~~superset~~ ~~c[fptk]e4o-initial &~~ ~~c[fptk]e4y Superclass~~ ~~c[fp]e4y + added c-sequences~~ ~~c[fp]e4y + added c-sequences & cfeo-Initial~~ ~~ceepey~~ ~~c[fk]e4[yo], cpe4y, cteo-initial~~	ed[yoa]* c + e4dy* ce4dy* most other subsets	~~ols~~	~~eto~~	eda* cedaiin* cedal* ~~cean~~ ~~ceal~~		~~oi4n~~		~~c | cs +~~ ~~e0-4l~~ ~~oceos~~	o[tk]e0-4y* ~~odl~~ ~~a[fptk]a~~ ~~a[fptk]y~~ ~~c + e4 +~~ ~~[fptk]~~ ~~Nouns~~ ~~c + e4 +~~ ~~[fptk]c~~ ~~Nouns~~ ~~e4n~~ ~~faceys~~ ~~relatives~~ ~~or[fptk | dlrsmg]~~

Table 25.15: Most Significant Order Mappings for Suspected Verbs and Other Backloaded Categories

	Initiators	Planets	Problem/Disorder	Color/Symptom	m	Remedy/Solution	Ingredients Herbal	Liquid	Section 3	Anatomical	e[tk][yoa]	o[lr][yoa] Pipe/Flow/Queue	Treatment or Application Verbs	Pharmaceutical Double-Vowels	Primary Verbs	Connectives, Rare, Obscure	Other
Treatment/Application Verbs																	
ea	[fptk] + ai0-4* ~~[tk]y~~ ~~[fptk][yo]lc~~		→(very little) ~~o[fptk]c + e4ody~~ ~~[yo][fptk]ce4d~~ ~~odcey~~ ~~ol + c | cs + e4o[lr]~~	→–y axis ~~yc + e4or~~	→om* ceam*	→(very little) ~~o[tk][ao]s~~ ~~o[fptk]edal~~ ~~[yo]po~~	→(very little) r-axis* ~~o, -ly-axis~~	c[fptk]e4o-initial & c[fptk]e4y Superclass* cte4[yo]* cteo-initial* ~~c[fp]e4y + added c-sequences~~	~~Prefixed Versions of c | c[s | fptk] + e4dy~~ ~~c[fptk]e4dy~~		→(very little) ek[yoa]* ~~e[fp][yoa]~~	~~aro[dlrsmg]~~	ea* ce4a* ceam*	oo*	→(very little) ai^{0-4}*		~~odo~~
cedai4[lrsm | n]	~~[fptk]ai4n~~ ~~[fptk | dlrs] prefixes~~ ~~to dai4[lrsm | n]~~ ~~[fptk]e0-4y~~ ~~l-prefix + [fptk]e0-4y~~ ~~lco-~~ ~~rc-initial~~ ~~te4o~~	→oda*	o[fptk]c + e0-4dy* o[fptk]c + e0-4 + y | dy | o[dlrs]ly * ~~o[dlrs]ce4y~~ ~~o[fptk]c + e0-4or~~	→–y axis ~~[yo]ce4y + s infixes~~	→om only on cedar ~~[dlrsmg]ai4n~~	o[fptk]e4dy* ~~o[fptk]ody~~		→c[s | fptk]e4y	c[s | fptk]e4dy*	~~ols~~		~~o[lr]y~~ ~~o[yo]~~ ~~aro[dlrsmg]~~	cedaiin variants*	oi4[dlrsmg | n]*	~~[dlrsmg]ai4n~~	~~Consonant Clusters~~ ~~dl Consonant clusters~~	~~o[tk]e4s~~ ~~o[fptk] endings~~
Pharmaceutical Double-Vowels																	
oa	y-initial* ~~[dlrsmg | fptk]e0-4y~~ ~~lc-initial~~ ~~lc-initial~~	~~r-axis~~	~~o[fptk]c + e0-4or~~		~~om~~	[yo][fptk]e4o[dlrsmg]* ~~otol~~ ~~otal~~ ~~o[fptk]eda[lrsm | n]~~	superset* esp. -r	superset* c[fptk]e4o-initial & c[fptk]e4y	~~[fptk] + c | c[s | fptk] + e4dy~~	oe0-4s* ~~od endings~~ ~~old~~		~~daiiol/seral relatives~~	~~cedaiin~~ ~~cedal~~		ai^{0-4}*		

	~~[fptk]ai4n~~ ~~l-prefix + [fptk	dlrsmg]ai4[dlrsmg	n]~~ ~~[tk]e4dy~~ ~~ke~~ ~~[sr]c-Initial~~					Superclass*								
oo + oe4o	~~[dlrsmg	fptk]e0-4y~~ ~~[fptk]ai4[dlrsmg	n]~~ ~~[fp]c-Initial~~ ~~tc-initial~~ ~~[tk]e4dy~~ ~~do~~			~~superset~~		~~o-axis of [yo][fptk][ao][lr]~~ ~~ote4dy~~ ~~okar~~ ~~otal~~ ~~[yo]ai0-4n~~	superset* esp. -r ~~-ady~~ ~~-y~~		~~ol[do]~~		~~or[yoa]~~	~~cedai4[lrsm	n]~~ ~~eda~~		
oi	~~![fptk] Prefixes~~ ~~lc-initial~~ ~~tc-initial~~ ~~l-prefix + [fptk	dlrsmg] + ai4[dlrsmg	n]~~ ~~[tk]e4dy~~ ~~[tk]e4o~~	~~[lr]~~	~~o[fptk]c + e0-4or~~			superset* esp. -r	c + c[s	fptk]e4y*	~~ce4dy~~ ~~[dlrsmg] + c	c[s	fptk] + e4dy~~	~~od endings~~		~~a[lr][ao][lr]~~ ~~o[lr]a~~	~~ceal~~ ~~cedar~~	oi4[dlrsmg	n]* ~~oa~~		
Primary Verbs																
[dlrsmg	fptk] + ai4[dlrsmg	n]	dc-initial* [dlrsmg]e0-4y* y[fptk]-initial* y + Non-[dlrs] Prefixes* ~~[fptk][yo]lc~~ ~~ke4o~~ ~~b~~ ~~q-prefix exceptions~~ [dlrsmg	fptk] + ai4n ~~[tk]y~~ ~~pc-initial~~ ~~qo~~ ~~r-initial~~ [dai4n ~~[tk]e4dy~~	[dlrsmg	fptk] + ai4n → r-axis	~~o[fptk]c + e4os~~ ~~opc + e4or~~ ~~opc + e4ody~~ [dlrsmg	fptk] + ai4n ~~odcey~~ ~~orcey~~ ~~ofce0-4y~~	→[yo]c + e4dy (dai4n) [dlrsmg	fptk] + ai4n ~~yc + e4o~~	om* g*	~~ope0-4y~~ ~~[yo]py~~	superset* →s-axis	c[fptk]e4o-initial & c[fptk]e4ys* c + c[s	fptk]e4y* ceckey*	→c[s	fptk]e4dy ed[yoa]* [dlrsmg	fptk] + ai4n Prefixed Versions of c	c[s	fptk] + e4dy	→oe0-4s → ols, oy + oe4y ([dlrsmg | fptk] + ai4n)	→e[tk][yoa]*	→aro[dlrsmg]* - sans –n axis: →a[lr][ao][lr] →dairol/soral relatives	→cedai4[lrsm	n] (weak) ce4ai4n* ea*	oi4[dlrsmg	n]* [dai4n ~~oo~~	ai0-4*	→c	cs + e0-4[dlrsmg]* Single-Letter Words* Detached Class Modifiers* ~~oceos~~	~~faceys relatives~~ ([dlrsmg | fptk] + ai4n)
[fptk	dlrs] prefixes to dai4[lrsm	n]	~~[tk]c-Initial~~ ~~[dlrsmg	fptk]e0-4y~~ ~~![fptk] Prefixes~~ →dc-Initial (on –y suffix axis)					~~-o axis~~		→c[s	fptk]e4dy ed[yoa]*	~~oe0-4s~~		~~[ao][lr][ao][lr]~~ →o[lr][yoa] (on –y suffix axis)		~~[dlrsmg	fptk] + oi4[dlrsmg	n]~~			
[fptk]ai4[dlrsmg	n]	~~lc-initial~~ ~~[sr]c-Initial~~ ~~ke4o~~ ~~ko~~ ~~![dlrs] Prefixes~~		→**n-Axis** ~~l-axis~~	~~o[fptk]c + e0-4ol~~	~~[yo]ce4y + s infixes~~		**→o-axis of [yo][fptk][ao][lr]** o[fptk]ai4n* ~~o[fptk][ao]d~~ ~~[yo][fp]o~~	~~s-axis~~	ceckey*		**→oe0-4s** ol[tk]* ol[dtk]* olk*	~~e[yo]~~	~~ol[yo]~~	ce4a* cedai4[lrsm	n]*	oi4[dlrsmg	n]*	ai0-4*		
ai4[dlrsmg	n]			→**l-Axis**	→o[fptk]c + e0-4dy →o[fptk]c + e0-4y →o[dlrs]ce4y	→–y axis →-o axis	→om	→o[fptk]e4dy →o[fptk]ai4n →[yo][fptk]e4od + y		→superset	→edy									
Connectives, Rare, Obscure																
Consonant Clusters	→y-initial		~~[lrn] axis~~	→o[fptk]c + e0-4y ~~o[fptk]c + e0-4dy~~	~~superset~~			~~[yo][fptk][ao][lr]~~ ~~[yo][fp][yoa]~~	~~-y/-dy~~	~~c[s	fptk]e4y~~	~~ce4dy~~	~~[yo]dy endings~~		~~o[yoa]~~ ~~o[lr][yo]~~ ~~[ao][lr][ao][lr]~~			→ai$^{0-4}$*	→c	cs + e0-4s	
dl Consonant Clusters	~~y[fptk]-initial~~			~~okc + e0-4 + y	dy~~ ~~	o[dlrs]y~~ ~~o[fptk]c + e0-4dy~~			~~yo][fptk][ao][lr]~~	~~superset~~	~~c[s	fptk]e4y~~	→c	c[s	fptk] + e4dy		→o[lr][yoa]	→ea		ai$^{0-4}$* (but not ~~ai4n~~)	~~Single-Letter Words~~	
Detached Class Modifiers	→y-initial* ~~![fptk] Prefixes~~ ~~dc-initial~~	oda*		→o[fptk]c + e0-4dy o[fptk]c + e0-4y*				~~o[fptk]e4dy~~ ~~o-axis of [yo][fptk][ao][lr]~~		~~c[s	fptk]e4y~~	~~c	c[s	fptk] + e4dy~~		~~ol[yoa]~~	~~o[lr][yoa]~~ ~~[ao][lr][ao][lr]~~	~~eda~~		~~ai$^{0-4}$~~	~~Single-Letter Words~~	
Other																
odo								~~o[fptk]ai4n~~ ~~o[fptk]e4dy~~ ~~o-axis of [yo][fptk][ao][lr]~~		~~ce4y~~	~~edy~~	~~ol[dtk]~~		~~o[lr][yoa]~~	→ea	→[q	fptk	dlrsmg] + oi0-4[lr]*			
o[tk]e0-4y	lc-initial* lk-initial* →![fptk] Prefixes →l-prefix + [fptk]e0-4y →l-prefix + Prefixed ai0-4* [fptk]e0-4y* [dlrsmg]e0-4y*	~~superset~~		~~orcey~~ ~~odcey~~ ~~opc + e4ol~~ ~~okc + e4ody~~ ~~okc + e4or~~ ~~opce0-4y~~ ~~o[fptk]ce4[lrsmg]~~ ~~[yo][fptk]ce4d~~	~~o + c	cs + e4o~~ ~~o + c	cs + e4or~~ ~~yc + e4o~~	~~cedam~~ ~~odaim~~	→[yo][fp]y o[fptk]e4dy* otai0-4n* o[fptk]e4os* [yo][fptk]e4od* [yo][fptk]e4od + y* [yo][fptk]e4o[lr]* ~~o[fp][ao][lr]~~ ~~ykai0-4n~~	→-o axis vs. ~~prefixed -o axis~~	~~c[fp]e4y + added c-sequences & cfce-Initial~~ ~~c[fp]e4y + added c-sequences~~ ~~cpe4y~~	[dlrsmg] + c	c[s	fptk] + e4dy*	olp	ep[yoa]		→cedai4[lrsm	n] ~~cean nouns~~ ~~cedam~~ ~~variants~~	[dlrsmg	fptk] + oi4[dlrsmg	n]*	Prefixed ai0-4* →fptk	dlrsmg] + ai4[dlrsmg	n] + y-suffix	Single-Letter Words*	o[tk]e0-4y* ~~odo~~ ~~odl~~ ~~od[fptk	dlrsmg]~~ ~~b~~ ~~a[fptk]y~~ ~~a[fptk]a~~

	[tk]y*	~~[yo]e4[fp]~~	~~cfe4[yo]~~
	[tk]e4dy*		~~ceepey~~
	[tk]e4o*		
	y + Non-[dlrs]		
	Prefixes*		
	~~[fptk][yo]lc~~		
	~~[fptk][dlrs] Prefixes~~		
	~~[co][fptk,]~~		

Table 25.16: Top 130 Mean Distances from the Midpoints of Paragraphs by Word Category

Rank	Category	Qualifying Count	Mean Distance from Midpoint
1	[yo]e4 | c + [fp]	67	0.35122
2	[yo]c[fp]	49	0.34692
3	oro	87	0.33586
4	opce0-4y	94	0.33126
5	[yo]e0-4[fp]e0-4[yo]	113	0.32934
6	ofc + e0-4 + y | dy | o[dlrs]y	56	0.32810
7	e[fp][yoa]	58	0.32523
8	ofc + e4 + y | dy | o + [lr] Superset	65	0.32300
9	c[fp]e4y + added c-sequences	62	0.32176
10	osa	43	0.32157
11	[yo][fp][yoa]	229	0.31945
12	c[fp]e4y + added c-sequences & cfeo-Initial	77	0.31938
13	cpe4[yo]	87	0.31658
14	[yo][fp]ai0-4[rn]	68	0.31541
15	cpeo-initial	63	0.31517
16	[yo][fp]o	69	0.31288
17	[yo][fp]a	124	0.31162
18	oe0-4[fp]oe0-4[lr]	54	0.31089
19	opc + e0-4 + y | dy | o[dlrs]y	267	0.31049
20	o[lr]o	238	0.30552
21	or[oa]	269	0.30549
22	[yo]pa	95	0.30329
23	[yo]cse4y	49	0.30298
24	edo	75	0.30182
25	aro[dlrsmg]	77	0.30065
26	orai0-4n	115	0.30046
27	cedar variants	145	0.29960
28	or[yo]	165	0.29908
29	opce0-4dy	149	0.29710
30	or[yoa]	347	0.29483
31	o[lr][oa]	581	0.29374
32	odai0-4l	94	0.29360
33	yodai0-4l	101	0.29280
34	ora	184	0.29260
35	**ols**	**69**	**0.29246**
36	ydai0-4[lrm | n]	54	0.29119
37	olo	154	0.29115
38	yd[ao]i0-4[lrm | n]	55	0.29095
39	oa	253	0.29078
40	odai0-4[lr]	227	0.29007
41	yodai0-4[lr]	242	0.28964
42	od[ao]i0-4l	114	0.28912
43	[yo]d[ao]i0-4l	121	0.28871
44	[yo]po	49	0.28819
45	[ao][lr][ao][lr] Pipe/Flow	631	0.28813
46	o[lr]a	347	0.28761
47	odai0-4r	133	0.28758
48	ytai0-4n	51	0.28744
49	yodai0-4r	141	0.28737
50	**ol[ds]**	**259**	**0.28658**
51	ol[oa]	317	0.28644
52	cedai4[lrsm | n]	451	0.28643
53	dairol/soral relatives	130	0.28541
54	o[lr][yoa]	816	0.28528
55	o[lr][yo]	473	0.28508
56	od[ao]i0-4[lr]	264	0.28507
57	[yo]d[ao]i0-4[lr]	280	0.28493
58	cedal variants	110	0.28444
59	**old**	**192**	**0.28434**
60	a[dlrsmg]c	75	0.28219
61	[yo]d[ao]i0-4r	159	0.28206
62	od[ao]i0-4r	150	0.28199
63	ola	163	0.28198
64	oo + oe4o	107	0.28125
65	ol[yoa]	476	0.28026
66	o[fptk] endings	66	0.27970
67	a[lr][fptk]	76	0.27951
68	ol[yo]	313	0.27937
69	ceal verbs	203	0.27914
70	oo	55	0.27856
71	a[lr][ao][lr]	278	0.27855
72	cedaiin variants	165	0.27854
73	c[fptk]c polygraph	74	0.27817
74	oc[fpt]e4y	115	0.27809
75	**ol[dtk]**	**758**	**0.27800**
76	eda	656	0.27779
77	oda	677	0.27770
78	**olk**	**512**	**0.27725**
79	yodai0-4[lrm | n]	671	0.27719
80	ceal variants	238	0.27688
81	**ol[tk]**	**570**	**0.27637**
82	[yo]d[ao]i0-4[lrm | n]	712	0.27622
83	odai0-4[lrm | n]	617	0.27597
84	**o[dlrs]ce4y Superset**	**180**	**0.27592**
85	o[fptk]edai4n	50	0.27535
86	ai0-4[dlrsmg][dlrsmg]	154	0.27508
87	od[ao]i0-4[lrm | n]	657	0.27499
88	a[lr]an	49	0.27482
89	dl Consonant clusters	66	0.27475
90	[fptk | dlrs] prefixes to dai4[lrsm | n]	76	0.27452
91	**olcey relatives (non -edy)**	**132**	**0.27438**
92	Detached Class Modifiers	81	0.27429
93	yodai0-4n	397	0.27299
94	[yo]d[ao]i0-4n	399	0.27294
95	olai0-4n	97	0.27273
96	[dlrsmg]ai4m	129	0.27236
97	te4o	61	0.27218
98	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	149	0.27186
99	cear verbs	280	0.27136
100	[yo]c[s | fptk]e4y	303	0.27079
101	dai4m	114	0.27066
102	o + c | cs + e4o[lr]	76	0.27045
103	oc[s | fptk]e4y	273	0.27030
104	odai0-4n	360	0.27020
105	od[ao]i0-4n	362	0.27015
106	o[fptk]ce4[lrsmg]	45	0.26976
107	l[drs] Prefixes	88	0.26939
108	oly	165	0.26799
109	[yo]c + e4o Superclass	308	0.26797
110	ory	85	0.26795
111	cke4y	92	0.26698
112	o[lr]y	242	0.26670
113	okor variants	101	0.26658
114	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	406	0.26651
115	oe sans oy + oe4y, oe0-4s	226	0.26626
116	**olt**	**59**	**0.26559**
117	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	472	0.26529
118	oc[fptk]e4y	249	0.26482
119	**oe0-4s**	**430**	**0.26464**
120	oi	273	0.26455
121	otc + e4or	55	0.26447
122	o[fptk]eda[lrsm | n]	145	0.26440
123	[yo]c[fptk]e4y	252	0.26430
124	cear variants	332	0.26370
125	oce4y + infixed versions	320	0.26355
126	o[fptk]c + e0-4dy	499	0.26296
127	eta	63	0.26253
128	[yo]te4ol	74	0.26211
129	o[fptk][dlrsmg]	54	0.26209
130	**olcey relative**	**267**	**0.26145**

Table 25.17: Top 130 Mean Distances from the Midpoints of Clauses by Word Category

Rank	Category	Qualifying Count	Mean Distance from Midpoint
1	oro	87	0.31272
2	o[lr]o	238	0.30086
3	ece Adjective	60	0.29887
4	yce4y	48	0.29864
5	or[yo]	165	0.29856
6	olo	154	0.29659
7	osa	43	0.29371
8	edo	75	0.29165
9	c | cs + e0-4[dlrsmg]	231	0.29152
10	ke4dy	214	0.29123
11	oy	121	0.29088
12	ory	85	0.28974
13	[yo]ce4y	95	0.28922
14	aro[dlrsmg]	77	0.28901
15	o[lr][yo]	473	0.28743
16	or[oa]	269	0.28618
17	or[yoa]	347	0.28541
18	oy + oe4y	171	0.28516
19	oce4y + s infixes	71	0.28513
20	ol[yo]	313	0.28341
21	o[fptk] endings	66	0.28210
22	o[lr][oa]	581	0.28074
23	[yo]ce4y + s infixes	146	0.27977
24	[ao][lr][ao][lr] Pipe/Flow	631	0.27964
25	oce4y	47	0.27960
26	dl Consonant clusters	66	0.27947
27	yce4y + infixed versions	78	0.27934
28	[fptk | dlrsmg] + c | c[s | fptk] + e4om	53	0.27894
29	o[lr][yoa]	816	0.27875
30	ol[oa]	317	0.27849
31	[yo]d[ao]i0-4r	159	0.27806
32	yodai0-4r	141	0.27771
33	ce4y	666	0.27754
34	a[dlrsmg]c	75	0.27741
35	od[ao]i0-4r	150	0.27621
36	o[lr]y	242	0.27610
37	odai0-4l	94	0.27605
38	ol[yoa]	476	0.27587
39	odai0-4[lr]	227	0.27566
40	yodai0-4[lr]	242	0.27558
41	odai0-4r	133	0.27539
42	yce4y + s infixes	75	0.27470
43	ce4o	141	0.27459
44	od[ao]i0-4[lr]	264	0.27411
45	[yo]d[ao]i0-4[lr]	280	0.27403
46	ora	184	0.27364
47	orai0-4n	115	0.27306
48	yodai0-4l	101	0.27261
49	[fptk | dlrsmg] + c | c[s | fptk] + e4o	462	0.27252
50	Detached Class Modifiers	81	0.27247
51	[fptk | dlrsmg] + c | c[s | fptk] + e4ody	406	0.27195
52	y + Non-[dlrs] Prefixes	184	0.27178
53	oo	55	0.27153
54	cedar variants	145	0.27147
55	od[ao]i0-4l	114	0.27134
56	oe4y	50	0.27131
57	ai0-4[dlrsmg][dlrsmg]	154	0.27111
58	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg]y	472	0.27103
59	**old**	**192**	**0.27041**
60	ceam variants	70	0.27030
61	oly	165	0.26998
62	c | c[fptk] + e4o	201	0.26979
63	oo + oe4o	107	0.26924
64	ceal verbs	203	0.26908
65	[yo]d[ao]i0-4l	121	0.26874
66	cse4o	187	0.26848
67	odai0-4[lrm | n]	617	0.26816
68	o[lr]a	347	0.26789
69	od[ao]i0-4[lrm | n]	657	0.26738
70	[fptk | dlrsmg] + c | c[s | fptk] + e4od	62	0.26726
71	ceam verbs	57	0.26713
72	[fptk | dlrsmg] + c | c[s | fptk] + e4y	1893	0.26712
73	**ol[ds]**	**259**	**0.26705**
74	yodai0-4[lrm | n]	671	0.26692
75	[dlrsmg]ai4m	129	0.26688
76	oda	677	0.26668
77	[yo]d[ao]i0-4[lrm | n]	712	0.26624
78	c + c[s | fptk]e4y	1486	0.26558
79	ece polygraph	175	0.26545
80	yc + e4o[lr]	66	0.26499
81	yt ai0-4n	51	0.26484
82	c + e4 + [fptk] Endings	50	0.26419
83	[yo]cse4y	49	0.26415
84	**[yo]dy endings**	**989**	**0.26408**
85	**o[dlrs]ce4y Superset**	**180**	**0.26379**
86	c-sequence + e4 + [fptk] + e4 + y	72	0.26357
87	rc-initial	75	0.26330
88	[dlrsmg | fptk]e0-4y	637	0.26295
89	odai0-4n	360	0.26274
90	a[lr]an	49	0.26209
91	[dlrsmg | fptk] + oi4[dlrsmg | n]	761	0.26173
92	od[ao]i0-4n	362	0.26163
93	yodai0-4n	397	0.26161
94	cedai4[lrsm | n]	451	0.26143
95	ola	163	0.26140
96	cke4y	92	0.26114
97	cear verbs	280	0.26094
98	cedal variants	110	0.26076
99	cear variants	332	0.26071
100	[yo]e4 | c + [fp]	67	0.26064
101	[yo]d[ao]i0-4n	399	0.26060
102	dai4m	114	0.26029
103	ceal variants	238	0.25989
104	**ol[dtk]**	**758**	**0.25961**
105	cear nouns	52	0.25946
106	opce0-4y	94	0.25938
107	**ols**	**69**	**0.25918**
108	[yo]ce4y + infixed versions	398	0.25888
109	ai4l	232	0.25855
110	a[lr][fptk]	76	0.25847
111	a[lr][ao][lr]	278	0.25843
112	eda	656	0.25804
113	e[tk]o	49	0.25798
114	dairol/soral relatives	130	0.25775
115	**olcey relatives (non -edy)**	**132**	**0.25718**
116	o[fptk]c + e4ody	57	0.25712
117	**olk**	**512**	**0.25694**
118	o[fptk]e4os	45	0.25679
119	[yo]c[fp]	49	0.25675
120	ce4a	923	0.25649
121	ea	1077	0.25649
122	**ol[tk]**	**570**	**0.25624**
123	cse4y	527	0.25623
124	om + o[fptk | dlrsmg]am	401	0.25605
125	c[s | fptk]e4y	820	0.25586
126	[fptk | dlrsmg] + c | c[s | fptk] + e4ol	1148	0.25580
127	okc + e4ol	51	0.25575
128	e[fp][yoa]	58	0.25561
129	oa	253	0.25542
130	[yo]doi0-4[lrm | n]	41	0.25515

Table 25.18: Pure Phrases by Length for All Major Category Superset Types

Category Superset Type	Document Word		All Pure Phrases	Phrase Counts by Length									
	Raw Count	%		2	3	4	5	6	7	8	9	10	11
Planet Hierarchy	895	2.299	29	28	1								
Problem/Disease Hierarchy	2356	6.053	223	184	33	4	2						
Remedy/Solution Hierarchy	7958	20.444	1287	914	260	82	19	8	3		1		
Ingredient Superset	8091	20.786	1228	973	192	52	10	1					
Herbal	2498	6.417	273	230	33	9	1						
Liquid	3171	8.146	228	203	21	4							
Balneological	2685	6.898	236	202	29	5							
Color/Symptom Hierarchy	970	2.492	28	28									
Anatomical Target/Cause	4063	10.438	416	349	59	5	2	1					
Pipe/Flow/Queue	1540	3.956	68	63	5								
Sensory Hierarchy	717	1.842	18	16	2								
Pharmacological	2798	7.188	201	182	16	3							
Time Period	2311	5.937	181	155	20	4	1	1					
Temperature	314	0.807	8	7		1							
Verb	7906	20.311	1329	995	246	61	22	1	1	1	1	1	
Other Connectives	1236	3.175	47	43	1	1	1						1
Sub-Clause	405	1.040	6	6									

Table 25.19: Elongation of Viewing Windows for Combinations of the Major Category Supersets

Category Superset Combination	Not Augmented by Verbs and Connectives Appearing 1st Raw Count	%	All Pure Phrases	Phrase Counts by Length 2	3	4	5	6	7	8	9	10	11
Front-Loading of Ingredients													
Pharmacological-Ingredient	622	60.388	1030	588	291	98	42	5	5	1			
Planet-Ingredient	138	53.282	259	181	51	22	5						
Problem-Ingredient	276	37.297	740	439	199	60	27	11	4				
Remedy-Ingredient	1050	46.174	2274	1030	624	319	161	76	29	25	2	3	5
Anatomical-Ingredient	457	43.154	1059	640	274	104	26	11	4				
Ingredient-Pipe/Flow/Queue	220	51.887	424	284	100	30	10						
Ingredient-Time Period	501	64.562	776	471	202	72	22	7	1				
Temperature Front-Loading													
Temperature-Planet	0	0	3	3									
Temperature-Problem	16	64	25	20	5								
Temperature-Remedy	70	64.815	108	66	22	11	5	3	1				
Temperature-Anatomical	21	75	28	23	5								
Temperature-Ingredient	48	47.525	101	73	20	6	2						
Temperature-Pharmacological	14	53.846	26	21	4		1						
Temperature-Time Period	28	70	40	34	3	3							
Weak Planet Front-Loading													
Planet-Problem	57	60.638	94	74	17	2	1						
Planet-Remedy	130	50.388	258	156	72	23	5	2					
Anatomical-Planet	102	50.746	201	143	44	10	4						
Planet-Time Period	49	54.444	90	72	14	3	1						
Planet-Pharmacological	50	52.632	95	79	16								
Problem Front-Loading													
Problem-Remedy	373	54.612	683	391	173	80	22	9	5	3			
Problem-Anatomical	230	50.998	451	314	104	25	5	3					
Problem-Pharmacological	107	53.5	200	154	35	10	1						
Problem-Time Period	134	62.911	213	163	38	9	3						
Remedy Front-Loading													
Remedy-Anatomical	708	61.14	1158	697	268	122	39	21	6	2	1	1	1
Remedy-Pharmacological	458	68.769	666	409	149	71	21	7	6	1	1		1
Remedy-Time Period	378	54.624	692	389	186	69	27	11	6	4			
Other													
Anatomical-Pharmacological	253	60.671	417	303	87	17	7	2	1				
Time Period-Pharmacological	130	62.5	208	162	40	5	1						
Anatomical-Time Period	209	58.056	360	255	78	18	6	3					
Pipe/Flow/Queue													
Pipe/Flow/Queue-Anatomical	113	52.315	216	171	40	5							
Pipe/Flow/Queue-Temperature	5	55.556	9	9									
Planet-Pipe/Flow/Queue	23	48.936	47	44	2	1							
Problem-Pipe/Flow/Queue	68	50.746	134	109	22	3							
Remedy-Pipe/Flow/Queue	278	63.326	439	275	105	39	15	2	1	1	1		
Pharmacological-Pipe/Flow/Queue	108	61.364	176	147	22	4	2	0	1				
Time Period-Pipe/Flow/Queue	62	49.6	125	95	24	5	0	1					
Sensory Backloading													
Sensory-Color/Symptom	14	63.636	22	19	3								
Planet-Sensory	23	63.889	36	31	5								
Problem-Sensory	40	54.795	73	58	12	2	1						
Remedy-Sensory	162	59.779	271	187	56	20	3	2	2	1			
Anatomical-Sensory	54	51.923	104	88	13	2	1						
Pharmacological-Sensory	48	52.174	92	74	16	2							
Ingredient-Sensory	129	58.371	221	140	55	17	8	1					
Temperature-Sensory	9	64.286	14	12	2								
Time Period-Sensory	43	62.319	69	58	7	3	1						
Color/Symptom Backloading													
Planet-Color/Symptom	32	57.143	56	48	6	2							
Problem-Color/Symptom	53	43.089	123	96	22	3	2						
Remedy-Color/Symptom	165	56.122	294	178	74	34	3	4			1		
Color/Symptom-Ingredient	124	51.029	243	161	59	17	4		1	1			
Anatomical-Color/Symptom	157	66.245	237	178	45	9	2	2					1 (12)
Pipe/Flow/Queue-Color/Symptom	32	56.14	57	51	6								
Pharmacological-Color/Symptom	61	53.043	115	95	17	2	1						
Color/Symptom-Time Period	52	57.778	90	73	11	3	1	1	1				
Temperature-Color/Symptom			2	2									

Category Superset Combination	Augmented by Verbs and Connectives Appearing 1st Raw Count	%	All	Phrase Counts by Length 2	3	4	5	6	7	8	9	10	11	12	13	14	15
Front-Loading of Ingredients																	
Pharmacological-Ingredient	525	56.512	929	285	252	171	95	52	31	19	6	8	3	6			1
Planet-Ingredient	113	47.28	239	86	63	46	21	9	7	2	3			1	1		
Problem-Ingredient	249	36.192	688	228	173	128	60	41	31	10	6	7	1	1	1		1
Remedy-Ingredient	850	46.271	1837	443	426	320	240	143	99	62	35	26	13	9	5	8	3
Anatomical-Ingredient	442	43.164	1024	354	269	176	110	50	25	13	12	7	3	4		1	
Ingredient-Pipe/Flow/Queue	203	61.329	331	135	99	47	30	12	4	2		2					
Ingredient-Time Period	476	64.674	736	241	190	125	80	43	29	9	8	5	2	2	1		
Temperature Front-Loading																	
Temperature-Planet	1	20	5	2	1	1		1									
Temperature-Problem	14	58.333	24	13	9	1	1										
Temperature-Remedy	68	65.385	104	42	19	26	9	4			1	2			1		
Temperature-Anatomical	24	80	30	14	7	5	2	2									
Temperature-Ingredient	86	66.667	129	68	30	11	12	4	1	2		1					
Temperature-Pharmacological	19	65.517	29	14	9	4	2										
Temperature-Time Period	35	75.61	41	21	14	4	2										
Weak Planet Front-Loading																	
Planet-Problem	57	61.29	93	47	28	12	3	2		1							
Planet-Remedy	124	53.913	230	96	72	29	17	10	5		1						
Anatomical-Planet	104	50.98	204	104	53	29	10	6	1	1							
Planet-Time Period	47	55.294	85	44	28	9	4										
Planet-Pharmacological	54	52.427	103	46	31	12	9	4	1								
Problem Front-Loading																	
Problem-Remedy	337	53.323	632	218	170	110	58	33	21	7	5	5	4	1			
Problem-Anatomical	233	52.715	442	196	120	67	35	16	5	1	1	1					
Problem-Pharmacological	124	54.148	229	88	71	46	13	8	1	1	1						
Problem-Time Period	129	59.722	216	97	65	32	13	4	4	1							
Remedy Front-Loading																	
Remedy-Anatomical	688	64.419	1068	438	261	148	94	48	32	20	9	8	4	1	3	1	1
Remedy-Pharmacological	481	67.461	713	255	197	107	67	38	25	8	7	1	7			1	
Remedy-Time Period	373	54.853	680	218	192	112	67	44	22	9	9	3		2		1	1 (16)
Other																	
Anatomical-Pharmacological	278	61.641	451	180	141	71	29	18	8	2		1			1		
Time Period-Pharmacological	136	65.072	209	91	56	28	14	9	10	1							
Anatomical-Time Period	200	55.249	362	130	113	46	37	24	5	3	2	2					
Pipe/Flow/Queue																	
Pipe/Flow/Queue-Anatomical	125	55.31	226	122	67	19	10	4	2	1		1					
Pipe/Flow/Queue-Temperature	3	33.333	9	7	1	1											
Planet-Pipe/Flow/Queue	29	58	50	20	17	5	4	3	0	1							
Problem-Pipe/Flow/Queue	64	54.237	118	65	34	11	6	2									
Remedy-Pipe/Flow/Queue	258	68.8	375	148	116	38	42	13	7	4	2	1	3				1 (16)
Pharmacological-Pipe/Flow/Queue	99	66	150	78	47	13	3	4	4			1					
Time Period-Pipe/Flow/Queue	78	63.415	123	47	43	17	9	6	1								
Sensory Backloading																	
Sensory-Color/Symptom	16	61.538	26	13	6	2	3	2									
Planet-Sensory	14	56	25	14	7	3	1										
Problem-Sensory	40	52.632	76	39	23	7	6	1									
Remedy-Sensory	148	68.696	230	88	51	41	24	13	4	3	3	2			1		
Anatomical-Sensory	46	51.685	89	47	27	5	5	3	1		1						
Pharmacological-Sensory	54	56.25	96	43	35	12	4	1				1					
Ingredient-Sensory	133	60.731	219	76	53	36	29	12	5	4	2			1		1	
Temperature-Sensory	11	78.571	14	6	3	4	1										
Time Period-Sensory	31	46.269	67	28	13	15	8	2		1							
Color/Symptom Backloading																	
Planet-Color/Symptom	32	54.237	59	32	21	6											
Problem-Color/Symptom	60	51.282	117	57	30	16	8	1	2	3							
Remedy-Color/Symptom	171	61.957	276	104	63	53	22	17	6	4	3	4					
Color/Symptom-Ingredient	103	42.917	240	85	66	44	23	11	6	1	1	1	1				
Anatomical-Color/Symptom	159	69.737	228	116	54	28	12	6	4	6	1				1		
Pipe/Flow/Queue-Color/Symptom	25	50	50	29	12	4	3	2									
Pharmacological-Color/Symptom	68	60.177	113	65	29	11	4	3	1								
Color/Symptom-Time Period	52	52.475	101	49	24	14	5	7	0	0	0	1	0	1			
Temperature-Color/Symptom	5	83.333	6	1	2	2		1									

Table 26.1: Instances of Specific Semantic Hierarchies in Single-Word Cosmological Section Nymph Labels

Semantic Hierarchy	Instance Count	Share
Remedy/Solution Hierarchy	123	58.571
Pipe/Flow/Queue	45	21.429
Time Period	10	4.762
Problem/Disease Hierarchy	8	3.810
Color/Symptom Hierarchy	8	3.810
Pharmacological	8	3.810
Anatomical	8	3.810
Sensory Hierarchy	7	3.333
Verb	6	2.857
Planet Hierarchy	5	2.381
Herbal Ingredient	2	0.952
Liquid Ingredient	1	0.476
Balneological Ingredient	1	0.476
Temperature	1	0.476

Table 26.2: Word Categories with Positive Cosmological Affinity Scores and $w_N > 50$

#	Category	Count	Section Affinity Scores						
			0	1	2	3	4	5	6
1	[yo]te4os	60	0.01104	-0.19421	0.54590	-0.18726	-0.00131	-0.12884	-0.04532
2	o[fptk]e4os	106	0.00381	-0.14326	0.46194	-0.17782	0.02636	-0.11847	-0.05256
3	[yo][fptk]e4o	88	-0.00563	-0.16921	0.35045	-0.18726	-0.01116	0.02797	-0.00517
4	[yo]te4od	149	-0.00563	-0.15327	0.32543	-0.16712	0.01256	-0.03052	0.01855
5	[yo]te4o[dlrsmg]	341	0.00024	-0.11532	0.28886	-0.15500	0.04639	-0.05304	-0.01214
6	o[tk]e4s	98	0.00458	-0.10033	0.25305	-0.02399	-0.03736	-0.14619	0.05025
7	[yo][fptk]e4od	355	-0.00563	-0.10266	0.24802	-0.15064	0.08414	-0.06476	-0.00847
8	[yo][fptk]e4od + y	284	-0.00563	-0.09702	0.20576	-0.14148	0.10104	-0.05701	-0.00565
9	a[lr][ao][lr]	391	-0.00563	-0.20469	0.20537	-0.02869	-0.01171	0.02039	0.02497
10	[yo]ke4od	207	-0.00563	-0.06715	0.19542	-0.13895	0.13492	-0.09044	-0.02817
11	o[fptk]o	51	0.01398	0.05873	0.19002	-0.18726	0.01045	-0.12198	0.03605
12	[yo][fptk]e4o[dlrsmg]	924	-0.00346	-0.09940	0.18919	-0.14721	0.15821	-0.06456	-0.03277
13	o[tk][ao]s	58	-0.00563	-0.12179	0.18901	-0.08381	0.05271	-0.10643	0.07594
14	[yo]fa	59	-0.00563	-0.09082	0.18404	-0.11946	0.03372	-0.16020	0.15835
15	o[fptk][ao]s	66	-0.00563	-0.11239	0.18378	-0.09635	0.03808	-0.11218	0.10468
16	yodai0-4l	143	0.00836	0.13936	0.18262	-0.17327	0.00195	-0.13898	-0.02003
17	odai0-4l	133	0.00941	0.12685	0.18162	-0.17222	-0.00031	-0.12847	-0.01688
18	ola	228	-0.00563	-0.18456	0.18099	-0.02059	0.05044	-0.02007	-0.00059
19	cse0-4s	102	0.00418	-0.01970	0.18022	-0.01079	-0.01896	-0.15139	0.01644
20	[yo]ke4o	89	-0.00563	-0.14814	0.17680	-0.17602	0.07809	0.09194	-0.01705
21	c-sequence + e4 + [fptk] + e4 + y	101	-0.00563	-0.05658	0.16323	-0.02884	0.04093	-0.08082	-0.03229
22	[yo]d[ao]i0-4l	165	0.00650	0.16640	0.16257	-0.16908	0.01687	-0.15763	-0.02563
23	ai0-4[dlrsmg][dlrsmg]	214	-0.00095	0.02355	0.16226	-0.06109	0.04417	-0.15268	-0.01526
24	[yo][fp]a	200	-0.00563	-0.16921	0.16090	-0.12226	-0.00798	0.01116	0.13301
25	od[ao]i0-4l	154	0.00736	0.16034	0.15564	-0.16778	0.01644	-0.14897	-0.02303
26	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	222	0.00789	-0.09601	0.15266	0.02896	-0.00041	-0.07614	-0.01695
27	[yo]pa	141	-0.00563	-0.20201	0.15122	-0.12343	-0.02542	0.08286	0.12241
28	[yo][fp]ai0-4[rn]	111	-0.00563	-0.15006	0.14815	-0.15122	-0.03194	0.00944	0.18125
29	a[dlrsmg]am	92	-0.00563	-0.17464	0.14590	-0.14378	-0.02450	0.21029	-0.00764
30	oe0-4s	632	0.00387	0.03491	0.14432	-0.16669	0.05069	-0.06998	0.00288
31	oly	222	-0.00563	-0.05997	0.14365	0.10554	0.04464	-0.19776	-0.03046
32	ai4r	483	0.00058	-0.12650	0.14228	-0.12929	-0.05141	0.11246	0.05188
33	otal variants	333	-0.00563	-0.15607	0.14215	0.01695	-0.02593	0.01545	0.01308
34	g	132	-0.00563	0.06185	0.13833	-0.12665	0.04566	-0.18793	0.07437
35	ai4[dlrsmg]	930	-0.00240	-0.15335	0.13676	-0.12919	-0.03679	0.14589	0.03908
36	ai4[lr]	782	-0.00179	-0.15610	0.13375	-0.12204	-0.04752	0.15722	0.03647
37	dairol/soral relatives	190	-0.00563	-0.13631	0.13274	0.02853	0.05308	-0.08937	0.01696
38	[yo]ke4o[dlrsmg]	584	-0.00563	-0.09044	0.13220	-0.14274	0.22312	-0.07165	-0.04487
39	o[fptk]c + e4ody	75	-0.00563	0.22579	0.12257	-0.18726	-0.01464	-0.10551	-0.03532
40	okal variants	544	-0.00379	-0.13428	0.12201	0.12892	-0.04959	-0.06377	0.00051
41	oe sans oy + oe4y, oe0-4s	317	-0.00563	-0.11124	0.11988	-0.11155	0.06452	0.03346	0.01056
42	[yo]te4o[lr]	130	0.00207	-0.03267	0.11898	-0.12572	0.10895	-0.04038	-0.03122
43	[ao][lr][ao][lr] Pipe/Flow	843	-0.00444	-0.11627	0.11892	0.00966	0.01031	-0.02499	0.00681
44	ai4l	306	-0.00563	-0.20597	0.11812	-0.11209	-0.04183	0.23750	0.00990
45	odai0-4[lr]	326	0.00358	0.06162	0.11676	-0.16885	-0.00969	-0.05799	0.05457
46	a[dlrsmg]c	91	-0.00563	-0.04146	0.11568	0.01054	-0.02402	-0.02610	-0.02902
47	oce4y	60	-0.00563	0.05579	0.11257	-0.12059	-0.00131	-0.02884	-0.01199
48	yodai0-4[lr]	348	0.00587	0.06786	0.11142	-0.16427	0.00099	-0.07195	0.05008
49	olai0-4n	126	-0.00563	-0.17516	0.11019	-0.00472	0.09075	-0.01694	0.00150
50	oe	463	-0.00563	-0.06958	0.10973	-0.12462	0.05729	0.01489	0.01792
51	ol[yoa]	614	-0.00563	-0.06619	0.10926	0.06681	0.03137	-0.11109	-0.02453
52	c | cs + e0-4s	188	-0.00031	-0.02825	0.10335	-0.01704	0.00117	-0.06076	0.00184
53	[yo][fp][yoa]	339	-0.00563	-0.08772	0.10239	-0.11056	0.02642	-0.05466	0.12975
54	e-initial	68	-0.00563	0.02932	0.10178	-0.09902	0.04967	-0.04355	-0.03258
55	o[lr]y	318	0.00066	-0.00804	0.10030	0.07375	0.06410	-0.19394	-0.03683
56	od[ao]i0-4[lr]	369	0.00250	0.08520	0.09915	-0.16829	0.01332	-0.07830	0.04641
57	c[fptk]c polygraph	99	-0.00563	0.07953	0.09792	-0.08625	-0.00737	-0.08692	0.00872
58	[yo]d[ao]i0-4[lr]	393	0.00455	0.09002	0.09692	-0.16436	0.02108	-0.09055	0.04233
59	oce4y + s infixes	90	0.01660	0.07246	0.09590	-0.10948	-0.01242	-0.05662	-0.00644
60	ceal variants	269	0.00181	-0.07488	0.09293	-0.03484	-0.04939	0.10777	-0.04340
61	ol[oa]	401	-0.00563	-0.06977	0.09291	0.03968	0.02180	-0.05939	-0.01960
62	osa	66	-0.00563	-0.05178	0.09287	-0.15695	0.11384	-0.03642	0.04407
63	d[fptk | drs]	56	0.01223	0.11651	0.09233	-0.06226	-0.05012	-0.15384	0.04515
64	o[lr]a	469	-0.00563	-0.14069	0.09206	-0.04653	0.07488	-0.00166	0.02756
65	ceal verbs	230	0.00307	-0.12029	0.09155	-0.01769	-0.05059	0.13855	-0.04460
66	o[fptk][ao]d	185	-0.00563	0.03552	0.09050	-0.17645	0.01851	-0.14911	0.18666
67	ols	93	0.01588	0.02837	0.08945	-0.04747	0.14708	-0.18207	-0.05124
68	[yo]c[fp]	62	-0.00563	0.09289	0.08945	-0.13887	0.01267	-0.10142	0.05091
69	oa	321	0.00060	-0.00760	0.08905	-0.17168	0.01925	0.06384	0.00654
70	[yo]te4ol	99	0.00447	-0.01138	0.08782	-0.11655	0.11384	-0.04652	-0.03169
71	ai4[dlrsmg | n]	1519	-0.00168	-0.13884	0.08748	-0.11945	-0.02650	0.14380	0.05519
72	c-sequence + e4 + [fptk] + c-sequence + e4 + y	84	-0.00563	0.17008	0.08638	-0.10392	-0.03226	-0.12408	0.00944
73	ece Noun	142	-0.00563	-0.15336	0.08604	-0.08867	-0.01868	0.18594	-0.00565
74	e[fp][yoa]	79	-0.00563	0.06022	0.08578	-0.11131	-0.00469	-0.07631	0.05193
75	okod variants	74	-0.00563	0.07066	0.08509	-0.17374	0.04013	-0.13020	0.11368
76	[yo][fptk]e4or	127	-0.00563	-0.08161	0.08488	-0.12427	0.22336	-0.04262	-0.05412
77	o[fptk]ody	85	-0.00563	0.07050	0.08414	-0.18726	0.02614	-0.12590	0.13801
78	a-axis of [yo][fptk][ao][lr]	1731	-0.00274	-0.11801	0.08308	0.03400	-0.03909	0.01289	0.02986
79	[yo][fptk]e4o[lr]	449	-0.00340	-0.09376	0.08298	-0.13603	0.24605	-0.04945	-0.04640

80	[yo][fptk]e4ol	322	-0.00252	-0.09855	0.08224	-0.14067	0.25500	-0.05214	-0.04336
81	[yo]ke4ol	223	-0.00563	-0.13726	0.07976	-0.15138	0.31767	-0.05463	-0.04854
82	[yo]e4 | c + [fp]	84	-0.00563	0.07484	0.07447	-0.13964	0.05107	-0.08837	0.03325
83	ote0-4y	731	-0.00015	-0.00009	0.07374	-0.03131	-0.04062	0.00433	-0.00590
84	odai0-4r	193	-0.00044	0.01667	0.07207	-0.16653	-0.01616	-0.00941	0.10381
85	[yo][fptk][ao][lr]	2688	-0.00228	-0.05537	0.06927	-0.00050	0.00680	-0.04186	0.02395
86	ocke4y	162	-0.00563	-0.03495	0.06874	-0.11318	0.23449	-0.10600	-0.04347
87	[yo]ke4o[lr]	319	-0.00563	-0.11866	0.06832	-0.14024	0.30193	-0.05314	-0.05259
88	y[fptk]-initial	1295	-0.00022	0.13128	0.06733	-0.11776	-0.00234	-0.14062	0.06233
89	ol[yo]	388	-0.00563	0.00218	0.06601	0.12202	0.01965	-0.16544	-0.03880
90	ce0-4s	165	0.00043	-0.02148	0.06560	-0.02362	0.02293	-0.04854	0.00468
91	ece polygraph	219	-0.00563	-0.11612	0.06485	-0.09137	-0.02231	0.18234	-0.01176
92	o[lr][yoa]	1044	-0.00275	-0.05474	0.06257	0.03113	0.05271	-0.08344	-0.00548
93	oe4y	66	-0.00563	-0.14269	0.06257	-0.12665	0.09869	0.06964	0.04407
94	yodai0-4r	205	0.00413	0.01799	0.06176	-0.15799	0.00032	-0.02519	0.09898
95	o[fptk] endings	79	0.01969	0.18681	0.06046	-0.09865	-0.03000	-0.07631	-0.06199
96	[dlrsmg] + ai4r	190	-0.00563	-0.04158	0.05906	-0.10831	0.01623	0.05274	0.02748
97	od[ao]i0-4r	215	-0.00098	0.03137	0.05869	-0.16865	0.01109	-0.02768	0.09615
98	[dlrsmg] + ai4[lr] + y-suffix	1035	0.00404	-0.02657	0.05726	0.03690	0.01608	-0.09913	0.01144
99	otod variants	88	-0.00563	0.03534	0.05499	-0.18726	0.00020	-0.15384	0.25619
100	oo + oe4o	133	-0.00563	0.02910	0.05380	-0.15718	0.15007	-0.04576	-0.02440
101	[dlrsmg]ai4[lr]	875	0.00466	-0.02449	0.05362	0.06417	0.01202	-0.11884	0.00887
102	[yo]dy endings	1228	-0.00237	0.06166	0.05144	-0.15143	0.05906	-0.04350	0.02514
103	[yo]d[ao]i0-4r	228	0.00315	0.03474	0.04941	-0.16094	0.02413	-0.04200	0.09152
104	oce4y + infixed versions	379	0.00493	0.06991	0.04894	-0.12129	0.10617	-0.09151	-0.01714
105	otar variants	345	-0.00273	-0.13189	0.04663	-0.04813	-0.05348	0.12695	0.06265
106	o[lr][oa]	735	-0.00427	-0.07108	0.04420	0.01410	0.04767	-0.03803	0.00740
107	[dlrsmg | fptk] + ai4[dlrsmg]	1444	0.00130	-0.00335	0.04410	0.01150	0.00751	-0.07801	0.01696
108	[dlrsmg]e0-4y	453	0.00100	0.16937	0.04381	0.00700	-0.01058	-0.19717	-0.01343
109	y-initial	1926	0.00112	0.11182	0.04284	-0.09899	-0.00152	-0.09141	0.03614
110	te4o	75	-0.00563	-0.08087	0.04257	-0.06726	0.01202	0.06782	0.03134
111	otol variants	239	0.00274	0.14931	0.04235	-0.06592	0.03663	-0.16169	-0.00341
112	c | cs + e0-4[dlrsmg]	281	-0.00207	-0.04154	0.04181	0.00847	-0.03595	0.03788	-0.00861
113	[yo]ke4or	96	-0.00563	-0.07546	0.04174	-0.11434	0.26536	-0.04968	-0.06199
114	ceam variants	76	-0.00563	0.12685	0.04064	-0.10831	-0.04166	0.03695	-0.04883
115	[yo]c[fptk]e4y	294	0.00118	0.06634	0.03876	-0.12263	0.14291	-0.10537	-0.02117
116	[yo]po	70	-0.00563	-0.12278	0.03876	-0.07297	0.10345	-0.06456	0.12372
117	[yo]ce4y	113	0.00322	0.06863	0.03750	-0.10761	-0.00603	0.01319	-0.00889
118	oc[s | fptk]e4y	319	0.00691	0.07256	0.03697	-0.12143	0.12638	-0.10330	-0.01810
119	eta	71	0.00846	-0.09702	0.03675	-0.03233	-0.03981	0.17186	-0.04791
120	oe0-4[fp]oe0-4[lr]	71	-0.00563	-0.09702	0.03675	-0.04641	0.15738	-0.12391	0.07885
121	o[lr][yo]	583	-0.00048	0.01283	0.03655	0.09576	0.03322	-0.14677	-0.03112
122	o[fptk]ce4[lrsmg]	57	-0.00563	-0.01351	0.03625	-0.11708	-0.01535	0.01940	0.09590
123	Single-Letter Words	566	-0.00386	0.23760	0.03548	-0.09538	0.00269	-0.13927	-0.03726
124	ory	108	0.01289	0.06690	0.03479	-0.02059	0.10795	-0.16773	-0.03421
125	ofc + e0-4 + y | dy | o[dlrs]y	65	-0.00563	0.09041	0.03436	0.02813	-0.06798	-0.09423	0.01493
126	oc[fptk]e4y	289	0.00129	0.06911	0.03431	-0.12497	0.14310	-0.10237	-0.02047
127	[yo]ce4y + infixed versions	466	0.00725	0.05987	0.03324	-0.10142	0.08224	-0.06854	-0.01263
128	oda	847	0.00854	0.11075	0.03286	-0.16601	0.00404	-0.03209	0.04191
129	okol variants	285	-0.00212	0.01807	0.03274	-0.01182	0.18465	-0.18411	-0.03743
130	o-axis of [yo][fptk][ao][lr]	764	-0.00039	0.10501	0.03203	-0.05768	0.09956	-0.16104	-0.01749
131	[yo]c[s | fptk]e4y	353	0.00854	0.05707	0.03188	-0.09944	0.11049	-0.09471	-0.01383
132	ea	1195	0.00776	0.09659	0.03063	-0.11111	-0.03199	0.04668	-0.03856
133	yd[ao]i0-4[lrm | n]	67	0.03915	0.24311	0.03023	-0.11263	0.03650	-0.21914	-0.01721
134	odai0-4[lrm | n]	767	0.00611	0.10345	0.03019	-0.17161	-0.00018	-0.01287	0.04492
135	yodai0-4[lrm | n]	832	0.00880	0.11445	0.02932	-0.16682	0.00294	-0.02884	0.04017
136	e[tk]o	60	0.01104	0.20579	0.02924	-0.08726	0.04869	-0.17884	-0.02866
137	c + e4 + [fptk] Endings	60	-0.00563	0.12246	0.02924	-0.05392	-0.06798	0.00449	-0.02866
138	ofc + e4 + y | dy | o + [lr] Superset	75	-0.00563	0.06579	0.02924	0.01274	-0.02798	-0.07884	0.00468
139	o[tk]e0-4y	2042	-0.00318	-0.05180	0.02813	0.01059	0.00254	0.03800	-0.02428
140	okar variants	493	0.00046	-0.06094	0.02775	-0.00267	-0.02538	0.00919	0.05160
141	eka	191	-0.00563	0.04087	0.02679	-0.05637	-0.04180	0.05623	-0.02011
142	[yo]d[ao]i0-4[lrm | n]	880	0.00801	0.12284	0.02658	-0.16680	0.01270	-0.04021	0.03687
143	Consonant Clusters	115	0.00307	-0.05073	0.02634	0.01274	-0.05928	0.05159	0.01627
144	od[ao]i0-4[lrm | n]	813	0.00544	0.11293	0.02628	-0.17127	0.01074	-0.02546	0.04133
145	cear nouns	62	-0.00563	0.15741	0.02493	-0.15500	-0.00346	-0.00465	-0.01360
146	[yo]ce4y + s infixes	172	0.01763	0.04882	0.02381	-0.06516	-0.02147	-0.00559	0.00196
147	[yo][fp]o	95	-0.00563	-0.05210	0.02222	-0.08199	0.11097	-0.11042	0.11696
148	opce0-4y	111	-0.00563	0.03012	0.02203	-0.11519	-0.03194	0.03647	0.06414
149	oy + oe4y	207	0.02336	0.06811	0.02151	-0.14861	0.08178	-0.03247	-0.01368
150	otam variants	88	-0.00563	-0.01012	0.02090	-0.13044	-0.03389	0.06207	0.09710

Table 26.3: Commonly Held Astrological Property Assignments for Each Zodiac Sign[47]

												Decanate		
Sign	Date Begin	Date End	Domicile	Detriment	Exaltation	Fall	Triplicity	Triplicity Day Ruler	Triplicity Night Ruler	Triplicity Participating Ruler	Quadruplicity	#1	#2	#3
Pisces	02-19	03-21	Jupiter	Mercury	Venus	Mercury	Water	Venus	Mars	The Moon	Mutable	Saturn	Jupiter	Mars
Aries Dark	03-21	04-05	Mars	Venus	The Sun	Saturn	Fire	The Sun	Jupiter	Saturn	Cardinal	Mars	The Sun	Venus
Aries Light	04-05	04-20												
Taurus Light	04-20	05-05	Venus	Mars	The Moon	None	Earth	Venus	The Moon	Mars	Fixed	Mercury	The Moon	Saturn
Taurus Dark	05-06	05-21												
Gemini	05-21	06-21	Mercury	Jupiter	None	None	Air	Saturn	Mercury	Jupiter	Mutable	Jupiter	Mars	The Sun
Cancer	06-21	07-23	The Moon	Saturn	Jupiter	Mars	Water	Venus	Mars	The Moon	Cardinal	Venus	Mercury	The Moon
Leo	07-23	08-23	The Sun	Saturn	None	None	Fire	The Sun	Jupiter	Saturn	Fixed	Saturn	Jupiter	Mars
Virgo	08-23	09-23	Mercury	Jupiter	Mercury	Venus	Earth	Venus	The Moon	Mars	Mutable	The Sun	Venus	Mercury
Libra	09-23	10-23	Venus	Mars	Saturn	The Sun	Air	Saturn	Mercury	Jupiter	Cardinal	The Moon	Saturn	Jupiter
Scorpio	10-23	11-22	Mars	Venus	None	The Moon	Water	Venus	Mars	The Moon	Fixed	Mars	The Sun	Venus
Sagittarius	11-22	12-22	Jupiter	Mercury	None	None	Fire	The Sun	Jupiter	Saturn	Mutable	Mercury	The Moon	Saturn
Capricorn	12-22	01-20	Saturn	The Moon	Mars	Jupiter	Earth	Venus	The Moon	Mars	Cardinal	Jupiter	Mars	The Sun
Aquarius	01-20	02-19	Saturn	The Sun	None	None	Air	Saturn	Mercury	Jupiter	Fixed	Venus	Mercury	The Moon

Table 26.4: Date Ranges for the Zodiac Nymph Labels

Winter → Spring			**Spring**			**Summer**			**Fall**		
Pisces Outer			**Taurus Light Outer**			**Cancer Outer**			**Libra Outer**		
#1 (oky ody)	2-19	2-23	#1 (okolar)	4-20	4-22	#1 (oraiin am)	6-21	6-24	#1 (ocfcsey)	9-23	9-28
#2 (oty ar)	2-20	2-24	#2 (otceody)	4-21	4-23	#2 (os ar cseeeen)	6-22	6-25	#2 (oees)	9-24	9-29
#3 (okaly)	2-21	2-25	#3 (al cpey)	4-22	4-24	#3 (oto *aiin)	6-23	6-26	#3 (okeeoly)	9-25	9-30
#4 (otody)	2-22	2-26	#4 (otaiiin)	4-23	4-25	#4 (opoiiin oin al aes)	6-24	6-27	#4 (odal)	9-26	10-01
#5 (otald)	2-23	2-27	#5 (okaraiin)	4-24	4-26	#5 (ypaiiin aloly)	6-25	6-28	#5 (aiin od)	9-27	10-02
#6 (otal dar)	2-24	2-28	#6 (okar ar aly)	4-25	4-27	#6 (oteey daiiin)	6-26	6-29	#6 (odady)	9-28	10-03
#7 (okody)	2-25	3-01	#7 (opalar am dan)	4-26	4-28	#7 (oeeeodaiin)	6-27	6-30	#7 (oteod)	9-29	10-04
#8 (opys am)	2-26	3-02	#8 (opalor ar)	4-27	4-29	#8 (ofcseoldy)	6-28	7-01	#8 (yteod)	9-30	10-05
#9 (ceckcey)	2-27	3-03	#9 (cear orom)	4-28 (or 4-20)	4-30	#9 (opoeey okaiiin)	6-29	7-02	#9 (okeeody)	10-01	10-06
#10 (otaly)	2-28	3-04	#10 (cefaly)	4-29 (or 4-20-21)	4-29	#10 (ykal air ol)	6-30 (or 6-21)	7-03	#10 (okal)	10-02	10-07
#11 (otal arar)	3-01	3-05	**Taurus Light Interior**			#11 (olkal aiin)	7-01 (or 6-21-22)	7-04	#11 (ytaly)	10-03	10-08
#12 (otal dy)	3-02	3-06	#1 (otalody)	4-30	5-01	#12 (olalsy)	7-02 (or 6-21-23)	7-05	#12 (oeeeos)	10-04	10-09
#13 (okeoly)	3-03	3-07	#2 (otalaiin)	5-01	5-02	**Cancer Intermediate**			#13 (oteofy)	10-05	10-10
#14 (oky dy)	3-04	3-08	#3 (otar csear)	5-02	5-03	#1 (ytairal)	7-03	7-05	#14 (ceeoepy)	10-06	10-11
#15 (okees)	3-05	3-09	#4 (cseol csedy)	5-03	5-04	#2 (oeees aiin)	7-04	7-06	#15 (ykeedy)	10-07	10-12
#16 (otalalg)	3-06 (or 2-19)	3-10	#5 (ofacfom)	5-04 (or 4-20)	5-05	#3 (ory)	7-05	7-07	#16 (oeeoty)	10-08 (or 9-23)	10-13
#17 (okady)	3-07 (or 2-19-20)	3-11	**Taurus Dark Outer**			#4 (oceey fydy)	7-06	7-08	#17 (octey)	10-09 (or 9-23-24)	10-19
#18 (otar)	3-08 (or 2-19-21)	3-12	#1 (oaiin ar ary)	5-06	5-08	#5 (ofais oeees aly)	7-07	7-09	#18 (oteoly)	10-10 (or 9-23-25)	10-19
#19 (oty)	3-09 (or 2-19-22)	3-13	#2 (okalam)	5-07	5-09	#6 (ykairaiin oiral)	7-08	7-10	#19 (okeoly)	10-11 (or 9-23-26)	10-19
Pisces Interior			#3 (ytal csedy)	5-08	5-10	#7 (okalar)	7-09	7-11	#20 (oeees)	10-12 (or 9-23-27)	10-19
#1 (otalar)	3-10	3-12	#4 (cear alef)	5-09	5-11	#8 (orary)	7-10	7-12	**Libra Interior**		
#2 (otalam)	3-11	3-13	#5 (otaraldy)	5-10	5-12	#9 (olaiin olackey)	7-11	7-13	#1 (okeey)	10-13	10-15
#3 (dolar am)	3-12	3-14	#6 (otaiiin otain)	5-11	5-13	#10 (olf cseeor al)	7-12 (or 6-21)	7-14	#2 (oiiny)	10-14	10-16
#4 (okaram)	3-13	3-15	#7 (otalef ys ain am)	5-12	5-14	#11 (ar alkam)	7-13 (or 6-21-22)	7-15	#3 (oeey)	10-15	10-17
#5 (oteosal)	3-14	3-16	#8 (oceol cear am)	5-13	5-15	**Cancer Interior**			#4 (okogy)	10-16	10-18
#6 (salols)	3-15	3-17	#9 (ocseodody)	5-14 (or 5-06)	5-16	#1 (yfary)	7-14	7-15	#5 (ypaim)	10-17	10-19
#7 (okal dal)	3-16	3-18	#10 (cedaiir sain y)	5-15 (or 5-06-07)	5-17	#2 (os ais al)	7-15	7-16	#6 (okalair)	10-18	10-20
#8 (ykolaiin)	3-17	3-19	**Taurus Dark Interior**			#3 (ytoar cseor)	7-16	7-17	#7 (oeeody)	10-19	10-21
#9 (okar am)	3-18 (or 2-19)	3-20	#1 (otceo csey)	5-16	5-17	#4 (octeo)	7-17	7-18	#8 (okeol)	10-20	10-22
#10 (otaral)	3-19 (or 2-19-20)	3-21	#2 (otcedal)	5-17	5-18	#5 (aral)	7-18	7-19	#9 (oeeoly)	10-21 (or 9-23)	10-23
Aries Dark Outer			#3 (okeey ary)	5-18	5-19	#6 (oletal)	7-19	7-20	#10 (okydy)	10-22 (or 9-23-24)	10-24
#1 (opceey sal)	3-21	3-23	#4 (otainy)	5-19	5-20	#7 (opalal)	7-20 (or 6-21)	7-21	**Scorpio Top**		
#2 (otokaim an)	3-22	3-24	#5 (ofaralar)	5-20	5-21	**Leo Outer**			#1 (otaly)	10-23	10-27
#3 (okalal)	3-23	3-25	**Gemini Top**			#1 (okey)	7-23	7-27	#2 (ceockey)	10-24	10-28
#4 (otaly)	3-24	3-26	#1 (ofcedady)	5-21	5-25	#2 (otceeody)	7-24	7-28	#3 (okedy)	10-25	10-29
#5 (oal ceeg)	3-25	3-27	#2 (oklair dy)	5-22	5-26	#3 (okyeecsey)	7-25	7-29	#4 (yteeody)	10-26	10-30
#6 (oteeodals)	3-26	3-28	#3 (okar am)	5-23	5-27	#4 (***ofaiin)	7-26	7-30	**Scorpio Outer**		
#7 (okol csey)	3-27	3-29	#4 (okairy)	5-24	5-28	#5 (okoly)	7-27	7-31	#1 (oteedy l)	10-27	10-31
#8 (otcsecsedy)	3-28	3-30	#5 (okeolar)	5-25	5-29	#6 (otoly)	7-28	8-01	#2 (okeedy)	10-28	11-01
#9 (otol ypcsearal)	3-29 (or 3-21)	3-31	**Gemini Outer**			#7 (ofal als)	7-29	8-02	#3 (okeey)	10-29	11-02
#10 (otal cey tar am dy)	3-30 (or 3-22)	3-30	#1 (okal)	5-26	5-30	#8 (cseeeod ocfeey)	7-30	8-03	#4 (okeedy)	10-30	11-03
Aries Dark Interior			#2 (okaly)	5-27	5-31	#9 (daiiin cecpy)	7-31	8-04	#5 (ykeeory)	10-31	11-04
#1 (otolaiin)	3-31	4-01	#3 (okal)	5-28	6-01	#10 (oteey dceal)	8-01	8-05	#6 (oteeosy)	11-01	11-05
#2 (oteo alols araly)	4-01	4-02	#4 (okeey ary)	5-29	6-02	#11 (ceeolpy)	8-02	8-06	#7 (cseekal)	11-02	11-06
#3 (oteoeey otal okeal ar)	4-02	4-03	#5 (oteeary)	5-30	6-03	#12 (okeeol)	8-03	8-07	#8 (oteedy g)	11-03	11-07
#4 (otear araydy)	4-03	4-04	#6 (otair dy)	5-31	6-04	#13 (okaly)	8-04	8-08	#9 (okedal)	11-04	11-08
#5 (okoly)	4-04 (or 3-21)	4-05	#7 (okair ceam)	6-01	6-05	#14 (okaldy)	8-05	8-09	#10 (cedy)	11-05	11-09

Aries Light Outer		
#1 (oteoaldy)	4-05	4-07
#2 (oteolar)	4-06	4-08
#3 (okeoaly)	4-07	4-09
#4 (otaleky)	4-08	4-10
#5 (otal dar)	4-09	4-11
#6 (ceeary)	4-10	4-12
#7 (oteotey sary)	4-11	4-13
#8 (otal aly)	4-12	4-14
#9 (oteos arar)	4-13 (or 4-05)	4-15
#10 (okldam)	4-14 (or 4-05-6)	4-14
Aries Light Interior		
#1 (otol cedy)	4-15	4-16
#2 (otol oar am)	4-16	4-17
#3 (oteeol)	4-17	4-18
#4 (otolced)	4-18	4-19
#5 (otal dar)	4-19 (or 4-05)	4-20

#8 (okeal)	6-02	6-06
#9 (otarar)	6-03	6-07
#10 (okaly)	6-04	6-08
#11 (orary)	6-05	6-09
#12	6-06	6-10
#13 (okyd)	6-07 (or 5-21)	6-11
#14 (otolam)	6-08 (or 5-21-22)	6-12
#15 (otar al dy)	6-09 (or 5-21-23)	6-13
#16 (okalar)	6-10 (or 5-21-24)	6-14
Gemini Interior		
#1 (salal)	6-11	6-13
#2 (okam)	6-12	6-14
#3 (otal csey)	6-13	6-15
#4 (okaldy)	6-14	6-16
#5 (ceosar)	6-15	6-17
#6 (otam)	6-16	6-18
#7 (air aly)	6-17	6-19
#8 (okar ceam)	6-18 (or 5-21)	6-20
#9 (otal)	6-19 (or 5-21-22)	6-21

#15 (okeolo)	8-06 (or 7-23)	8-10
#16 (ogeom)	8-07 (or 7-23-24)	8-16
#17 (oreeey)	8-08 (or 7-23-25)	8-16
#18 (okam)	8-09 (or 7-23-26)	8-16
Leo Interior		
#1 (oky)	8-10	8-13
#2 (cectcey)	8-11	8-14
#3 (laly)	8-12	8-15
#4 (oeedy)	8-13	8-16
#5 (odair an)	8-14	8-17
#6 (okary)	8-15	8-18
#7 (oees aiin)	8-16	8-19
#8 (oteeded)	8-17	8-20
#9 (opal)	8-18	8-21
#10 (otaly)	8-19 (or 7-23)	8-22
#11 (otoly yty)	8-20 (or 7-23-24)	8-23
#12 (cseoleey)	8-21 (or 7-23-25)	8-24
Virgo Outer		
#1 (okeo ram)	8-23	8-27
#2 (airor m)	8-24	8-28
#3 (ocseesy)	8-25	8-29
#4 (okeory)	8-26	8-30
#5 (ceeoekey)	8-27	8-31
#6 (ceeoloy)	8-28	9-01
#7 (cseeoeky)	8-29	9-02
#8 (oteodar)	8-30	9-03
#9 (ofcedy sd)	8-31	9-04
#10 (oteeod)	9-01	9-05
#11 (yteody)	9-02	9-06
#12 (okeody)	9-03	9-07
#13 (okeoldy)	9-04	9-08
#14 (ykeeor)	9-05	9-09
#15 (opaiin ar)	9-06 (or 8-23)	9-10
#16 (ceeoldy)	9-07 (or 8-23-24)	9-15
#17 (oeedey)	9-08 (or 8-23-25)	9-15
#18 (oeeo daiin)	9-09 (or 8-23-26)	9-15
Virgo Interior		
#1 (oekeol)	9-10	9-13
#2 (oeedy)	9-11	9-14
#3 (opal g)	9-12	9-15
#4 (okeeom)	9-13	9-16
#5 (olkar)	9-14	9-17
#6 (oeedaly)	9-15	9-18
#7 (ceeosy)	9-16	9-19
#8 (ofceeey)	9-17	9-20
#9 (yteedy)	9-18	9-21
#10 (oraiin)	9-19 (or 8-23)	9-22
#11 (okeo rar)	9-20 (or 8-23-24)	9-23
#12 (okaiiiny)	9-21 (or 8-23-25)	9-24

#11 (dal cseey)	11-06	11-10
#12 (opaiin)	11-07	11-11
#13 (okeos)	11-08 (or 10-23)	11-12
#14 (otey)	11-09 (or 10-23-24)	11-13
#15 (otaly)	11-10 (or 10-23-25)	11-14
#16 (okeody)	11-11 (or 10-23-26)	11-15
Scorpio Interior		
#1 (okary)	11-12	11-14
#2 (okeeody)	11-13	11-15
#3 (oyteedy)	11-14	11-16
#4 (oky)	11-15	11-17
#5 (ceefy)	11-16	11-18
#6 (otal)	11-17	11-19
#7 (cseek)	11-18	11-20
#8 (ar)	11-19	11-21
#9 (kar)	11-20	11-22
#10 (okeos)	11-21	11-23
Sagittarius Top		
#1 (okol)	11-22	11-26
#2 (oteody)	11-23	11-27
#3 (oteody)	11-24	11-28
#4 (ceeody)	11-25	11-29
Sagittarius Outer		
#1 (odees)	11-26	11-30
#2 (cecsey)	11-27	12-01
#3 (ykeor)	11-28	12-02
#4 (opals)	11-29	12-03
#5 (ykeody)	11-30	12-04
#6 (okeody)	12-01	12-05
#7 (ypaiiin)	12-02	12-06
#8 (yfaiiin y)	12-03	12-07
#9 (ofceeesy)	12-04	12-08
#10 (oraiiny)	12-05	12-09
#11 (ykeeody)	12-06	12-10
#12 (okeos)	12-07	12-11
#13 (ykeear)	12-08 (or 11-22)	12-12
#14 (qokeoly)	12-09 (or 11-22-23)	12-13
#15 (okeody)	12-10 (or 11-22-24)	12-14
#16 (cseeol)	12-11 (or 11-22-25)	12-15
Sagittarius Interior		
#1 (ceeg)	12-12	12-14
#2 (oky)	12-13	12-15
#3 (arair)	12-14	12-16
#4 (okal)	12-15	12-17
#5 (ykey)	12-16	12-18
#6 (ykeeo)	12-17	12-19
#7 (okeod)	12-18	12-20
#8 (ykey)	12-19	12-21
#9 (ypal)	12-20	12-22
#10 (otedy)	12-21	12-23

Table 26.5 Candidates to Directly Represent Planet Names, Based on PPV Scoring

Usage Properties	Identification Index	Share of the Manuscript-Wide Identification Index	Best Voynich Categories	Distinct Word Count	Document Word Count	True Positive vs. False Positive Ratio	PPV Probability Difference Score
Saturn	24.2	0.25501	#55 od[ao]i0-4m	23	34	4.4:6.7	0.14139
			#56 odai0-4m	22	33	4.4:6.7	0.14139
			#61 [yo]d[ao]i0-4m	25	37	4.4:6.9	0.13437
			#62 yodai0-4m	24	36	4.4:6.9	0.13437
			#7 okom variants	6	13	2.6:1.4	0.39499
			#12 [yo][fptk]e4om	4	13	1.8:1.4	0.30749
			#48 ceam variants	32	76	5.6:8.2	0.15079
			#79 [fptk | dlrsmg] + c | c[s | fptk] + e4om	12	54	5.4:9.8	0.10025
			#36 oce4y	32	60	5.6:7.2	0.18249
			#63 [yo]ce4y	41	113	9:14.2	0.13292
			#69 yce4y	9	53	4.2:7	0.11999
Mars	21.9	0.23077	#1 ydai0-4r	6	12	2:0	0.76923
			#10 yd[ao]i0-4r	7	13	2:1	0.43590
			#73 odai0-4r	82	193	10.7:18.4	0.13693
			#74 yodai0-4r	88	205	10.7:18.4	0.13693
			#89 od[ao]i0-4r	94	215	10.7:20.2	0.11551
			#44 oce4y	32	60	5.2:7.6	0.17548
			#58 [yo]ce4y	41	113	9:14.2	0.15716
Venus	21.4	0.22550	#165 odai0-4n	110	410	14:37.3	0.04740
			#183 yodai0-4n	119	448	15:41.9	0.03812
Jupiter	18.4	0.19389	#49 od[ao]i0-4l	82	154	8.6:21.7	0.08994
			#70 odai0-4l	67	133	6.6:19.3	0.06094
			#99 yodai0-4l	75	143	6.6:20.9	0.04611
			#39 [yo]doi0-4l	16	22	3:6.8	0.11223
			#42 [yo]doi0-4[lr]	29	45	4.6:10.8	0.10481
Mercury	15.5	0.16333	ode0-4d	10	14	0.4:0.5	0.23667
			cseodody in f43 #1				
Moon	14.0	0.14752	#26 od[fptk | dlrsmg]	1.600	5.200	0.23529	0.08777
Sun	12.6	0.13277	#2 odees variants	9	9	1.2:1.4	0.32877
			cteodais in f52v Heliotrope #1				

Table 26.6: Approximate Mappings of the 28 Lunar Mansions to f69v[48]

Mansion #	Zodiac Angle	Mansion Names	Indicator Stars	Sign	Label
#1	0° Aries 00' - 12° Aries 51'	Al Nath (The Butting)	"Probably Sheratan and Mesarthim which mark the horns of Aries, hence the name of the mansion."[49]	Mars	okceey s
#2	12° Aries 51' - 25° Aries 42'	Al Butayn (The Little Belly)	Botein	Mars	okeody
#3	25° Aries 42' - 8° Taurus 34'	Al Thurayya (The Pleiades)	Alcyone	Mars → Venus	okodcey
#4	8° Taurus 35' - 21° Taurus 25'	Aldebaran (The Follower)	Aldebaran	Venus	okeod
#5	21° Taurus 26' - 4° Gemini 17'	Al Haq'ah	Meissa	Venus →Mercury	okey d
#6	4° Gemini 18' - 17° Gemini 08'	Al Hanah (or Al Tahayi/Al Maisan)	Alhena	Mercury	okeey dy
#7	4° Gemini 18' - 17° Gemini 08'	Al Dhira	Castor and Pollux	Mercury → Moon	oteey
#8	0° Cancer 00' - 12° Cancer 51'	Al Nathra	Praesape	Moon	sary dy
#9	12° Cancer 51' - 25° Cancer 42'	Al Tarf	Alterf	Moon → Sun	ykeody
#10	25° Cancer 42' - 8° Leo 34'	Al Jabba	Regulus	Sun	okolar
#11	8° Leo 35' - 21° Leo 25'	Al Zubra	Zosma	Sun → Mercury	saiir
#12	21° Leo 26' - 04° Virgo 17'	Al Sarfah	Denebola		saral
#13	4° Virgo 18' - 17° Virgo 08'	Al Awwa	Zavijava	Mercury → Venus	okeod
#14	17° Virgo 08' - 00° Libra 00'	Al Simak	Spica		ykey dy
#15	00° Libra 00' - 12° Libra 51'	Al Ghaft	Syrma	Venus	oteol
#16	12° Libra 51' - 25° Libra 42'	Al Zubana	Zuben Elgenubi and Zuben Eschalami	Venus	oteey s
#17	25° Libra 42' - 08° Scorpio 34'	Al-Iklil	Acrab and Deschubba	Venus → Mars	okeod
#18	08° Scorpio 34' - 21° Scorpio 25'	Al Qalb	Antares	Mars	okeol
#19	21° Scorpio 25' - 04° Sagittarius 17'	Al Ibrah	Shaula or Lesath	Mars → Jupiter	otody
#20	04° Sagittarius 17' - 17° Sagittarius 08'	Al Naaim	Ascella	Jupiter	ytody
#21	17° Sagittarius 08' - 00° Capricorn 00'	Al Balda	Albaldah	Jupiter → Saturn	oeedy
#22	00° Capricorn 00' - 12° Capricorn 51'	Sa'd al-Dhabih	Prima Giegi	Saturn	okody
#23	12° Capricorn 51' - 25° Capricorn 42'	Sa'd Bula	Al Bali	Saturn	ytary
#24	25° Capricorn 42' - 8° Aquarius 34'	Sa'd al Su'ud	Sadalsuud	Saturn	ykeey
#25	8° Aquarius 34' - 21° Aquarius 25'	Sa'd al-Akhbiyah	Sadalbachia	Saturn → Jupiter	oceo yk
#26	21° Aquarius 25' - 04° Pisces 17'	Al-Fargh al-Muqaddam	Markab	Jupiter	okeo dy
#27	04° Pisces 17' - 17° Pisces 08'	Al-Fargh al-Muakhkhar	Algenib and Alpheratz	Jupiter	okeey sar
#28	17° Pisces 08' - 00° Aries 00'	Batn al-Hut	Mirach	Jupiter → Mars	oar alys

Table 26.7: Internal Concept Mappings of the Lunaria on f67r2

Hypothetical Zodiac Mapping	Figure #	Star Divider (Roughly)	Faces	Inner Quadrants and Their Planet Mappings		Outer Quadrants	Outer Ring	28 Lunar Mansion Labels on f69v	Approximation Locations of 22 of 45 Angles on f69r	Approximation Locations of 16 Outer Quadrants on f69r
Pisces	#10	sair	okadar			todaiin dain dy os ceoar aiin ceoeey sar dodaii*	ykces ykceos	#28 oar alys #27 okeey sar #26 okeo dy (& Aquarius)	#13 dkocey cteody dy at 0° separating Pisces from Aries #14 ceodcey ceotal	#13 ytceeo dy tor #14 yteos ceoep otaky
Aquarius	#11		qotoear	dal csesody	Saturn	opodceol dain aldy socey doiin oldy	ykceyr aram	#25 oceo yk #24 ykeey (& Capricorn)	#15 okeo cseo qotam Green Marker at 315° #16 okeodar oteody	#15 ar odair cetaly
Capricorn	#12	soeor	dceodar			odaiin otois oekain y otceoy sorais dy qofcey daiin dal	ykeceo ols eesydy	#23 ytary #22 okody #21 oeedy (& Sagittarius)	#17 ykeeos al dair dar #18 ykeey dal oky	#16 oto dar ar ceol
Sagittarius	#1		ysaldal	okal	Jupiter	ydceos ain ar amy ceocfey saral rain am or	soy cses okar	#20 ytody #19 otody (& Scorpio)	#19 doly dal dar ceyky winter solstice at 270° #20 okceol qokol daly	#1 okeeo ceey dy
Scorpio	#2	cpeeey	ytodal			opor cey sal saiin sodar ofor as ydam	cseekcey *ykor	#18 okeol #17 okeod (& Libra)	#21 ykeceody otar Green Marker at 225° #22 dary dar aloly	#2 dceo cear ar
Libra	#3	okodas	tol daiin	okain am	Venus	yteoor yto ykor okeor aiin am	ykeody okcey	#16 oteey s #15 oteol #14 ykey dy (& Virgo)	Demarcation #1 okeeo ctey okar ar	#3 ytal air al #4 csey cetairy
Virgo	#4		otardy	opceoldy	Mercury	ytody saiin oceol olol	dceetdy	#13 okeod #12 saral (& Leo)	#2 ceey ar cteor ary at 180° fall solstice #3 sair ceekey dair am	#5 ytoetear #6 ytey ceolam
Leo	#5	oepceol	ceodalg	dfar oeoldan	Sun	dorar odar ais aloiin dokan oear odal	rfceykceey ykceys	#11 saiir #10 okolar (& Cancer)	#4 okeeo dal okas as Green Marker at 135°	#7 dair ar yteey cedy #8 okair os air
Cancer	#6	sactcey	ytceodly	ytoaiin	Moon	ceol daiin okol ytor daiin or	cekcedar	#9 ykeody #8 sary dy	#5 sol aiir okey tam #6 okeos ar alg	# 9 cey to s aly
Gemini	#7		octeys			otoldos octeoly sor ceedaiin dy yteos oiin om	ykar ykaly	#7 oteey #6 okeey dy #5 okey d (& Taurus)	#7 doceeeo kody sar at 90° #8 dceokey csekceody al	#10 ceetar ar aly
Taurus	#8	osar	ytokar			ytoeopceey ceekody socseo ceos ockey daiin aiin os ys m	lkcseykcey okar	#4 okeod #3 okodcey (& Aries)	#9 ceor al ylcey ral Green Marker at 45° #10 soir al okody otedy	#11 dalr al ody
Aries	#9	oran	otolor	yfain	Mars	ofydy cseeody aiin yceeody cse odaiiin yekees oraly	ceky ceykcer cey	#2 okeody #1 okceey s	#11 okody ceeody sar #12 ceokeod okeey	#12 dal daiin otolam
		Corresponding Labels								
	#1	dar aldaiin ydaiin qkoy ydaiin qofair ypair ykoaiin ydoly ytal ceos oly okey					#2 scseey sy cseees qeykeey ykceey ykceey qokeocey oaiin okal ar ol**			
	#3	ycseey qokeeody ceeos oeeos qockey ceos aiin okeeody qokoaiin odaiin ar oir oy								

Table 27.1: Top-Ranked Word Categories for Section 6, on the Rosette Foldout

			Section Affinity							
#	Category	Distinct Word Count	Word Count	0	1	2	3	4	5	6
1	ytai0-4n	4	59	0.02827	-0.03997	-0.10410	-0.10251	-0.06798	-0.02461	0.31089
2	o[fptk][ao]d	81	185	-0.00563	0.03552	0.09050	-0.17645	0.01851	-0.14911	0.18666
3	[yo][fp]ai0-4[rn]	47	111	-0.00563	-0.15006	0.14815	-0.15122	-0.03194	0.00944	0.18125
4	ykai0-4n	14	73	0.00807	0.11675	-0.04930	-0.06397	-0.06798	-0.11446	0.17089
5	o[fptk]edai4n	36	59	-0.00563	-0.19251	-0.10410	-0.15336	-0.06798	0.38217	0.14140
6	o[fptk]ody	17	85	-0.00563	0.07050	0.08414	-0.18726	0.02614	-0.12590	0.13801
7	[yo][fp][yoa]	181	339	-0.00563	-0.08772	0.10239	-0.11056	0.02642	-0.05466	0.12975
8	[yo]e0-4[fp]e0-4[yo]	97	149	-0.00563	0.00781	0.01671	-0.10001	0.09310	-0.13119	0.11922
9	o[fptk]edar	30	72	-0.00563	-0.18310	-0.02076	-0.02059	-0.06798	0.17949	0.11856
10	o[fptk][dlrsmg]	49	68	-0.00563	-0.11774	-0.05998	0.00392	-0.03857	0.10351	0.11448
11	cedar variants	65	176	-0.00563	-0.18057	-0.03023	-0.03953	-0.06230	0.20979	0.10846
12	o[fptk]eda[lrsm | n]	87	184	-0.00563	-0.19095	-0.03888	-0.04052	-0.06798	0.23746	0.10649
13	edo	64	90	-0.00563	-0.08310	-0.08188	-0.00948	-0.04575	0.12116	0.10468
14	o[fptk][ao]s	32	66	-0.00563	-0.11239	0.18378	-0.09635	0.03808	-0.11218	0.10468
15	yodai0-4r	88	205	0.00413	0.01799	0.06176	-0.15799	0.00032	-0.02519	0.09898
16	otam variants	13	88	-0.00563	-0.01012	0.02090	-0.13044	-0.03389	0.06207	0.09710
17	o[fptk]ce4[lrsmg]	50	57	-0.00563	-0.01351	0.03625	-0.11708	-0.01535	0.01940	0.09590
18	otce0-4dy	19	172	-0.00563	-0.09072	-0.08084	-0.01865	-0.06798	0.16883	0.09499
19	[yo]d[ao]i0-4r	101	228	0.00315	0.03474	0.04941	-0.16094	0.02413	-0.04200	0.09152
20	oe0-4[fp]oe0-4[lr]	42	71	-0.00563	-0.09702	0.03675	-0.04641	0.15738	-0.12391	0.07885
21	olt	48	65	-0.00563	-0.06344	0.01898	0.15120	-0.06798	-0.10961	0.07647
22	o[tk][ao]s	28	58	-0.00563	-0.12179	0.18901	-0.08381	0.05271	-0.10643	0.07594
23	g	87	132	-0.00563	0.06185	0.13833	-0.12665	0.04566	-0.18793	0.07437
24	[yo]c + e4dy	45	110	-0.00563	-0.13057	-0.04955	0.04911	-0.04070	0.10297	0.07437
25	ol[tk]	234	621	-0.00563	-0.17665	-0.05579	0.17989	-0.04543	0.03033	0.07327
26	olk	187	557	-0.00563	-0.19008	-0.06460	0.18438	-0.04284	0.04611	0.07266
27	orai0-4n	40	135	-0.00563	-0.07939	-0.05225	-0.06133	0.07276	0.05449	0.07134
28	cedai4[lrsm | n]	200	527	-0.00563	-0.13292	-0.04717	-0.06582	-0.06418	0.24488	0.07084
29	a[lr][fptk]	54	83	-0.00563	-0.20987	-0.00771	-0.09087	-0.06798	0.31152	0.07054
30	o[fptk]c + e0-4dy	66	554	-0.00563	-0.11912	-0.07883	0.02935	-0.06076	0.16700	0.06797
31	opce0-4y	25	111	-0.00563	0.03012	0.02203	-0.11519	-0.03194	0.03647	0.06414
32	eda	341	784	-0.00563	-0.15007	-0.03522	-0.06098	-0.06415	0.25304	0.06301
33	otar variants	44	345	-0.00273	-0.13189	0.04663	-0.04813	-0.05348	0.12695	0.06265
34	y[fptk]-initial	361	1295	-0.00022	0.13128	0.06733	-0.11776	-0.00234	-0.14062	0.06233
35	okce0-4dy	15	188	-0.00563	-0.11336	-0.06686	0.05742	-0.05202	0.12009	0.06035
36	opc + e0-4 + y | dy | o[dlrs]y	69	302	-0.00563	-0.07235	-0.04118	-0.03825	-0.03818	0.13837	0.05721
37	oi4[dlrsmg | n]	13	1124	-0.00029	-0.05488	-0.04360	0.10100	0.02010	-0.07778	0.05545
38	ai4[dlrsmg | n]	21	1519	-0.00168	-0.13884	0.08748	-0.11945	-0.02650	0.14380	0.05519
39	odai0-4[lr]	149	326	0.00358	0.06162	0.11676	-0.16885	-0.00969	-0.05799	0.05457
40	cedaiin variants	64	189	-0.00563	-0.10902	-0.07235	-0.11318	-0.06269	0.30846	0.05441
41	ora	98	241	-0.00563	-0.09919	0.00794	-0.07107	0.09800	0.01576	0.05419
42	e[fp][yoa]	64	79	-0.00563	0.06022	0.08578	-0.11131	-0.00469	-0.07631	0.05193
43	ai4r	4	483	0.00058	-0.12650	0.14228	-0.12929	-0.05141	0.11246	0.05188
44	opce0-4dy	17	159	-0.00563	-0.16213	-0.09781	0.03287	-0.06169	0.24317	0.05122
45	[yo]c[fp]	50	62	-0.00563	0.09289	0.08945	-0.13887	0.01267	-0.10142	0.05091
46	o[tk]e4s	33	98	0.00458	-0.10033	0.25305	-0.02399	-0.03736	-0.14619	0.05025
47	[yo]tai0-4n	26	490	0.00050	-0.11257	-0.05716	-0.01175	-0.05777	0.19054	0.04821
48	d[fptk | drs]	42	56	0.01223	0.11651	0.09233	-0.06226	-0.05012	-0.15384	0.04515
49	oe4y	27	66	-0.00563	-0.14269	0.06257	-0.12665	0.09869	0.06964	0.04407
50	osa	42	66	-0.00563	-0.05178	0.09287	-0.15695	0.11384	-0.03642	0.04407
51	ol[dtk]	340	842	-0.00325	-0.08756	-0.04947	0.12984	0.01160	-0.04369	0.04252
52	oda	320	847	0.00854	0.11075	0.03286	-0.16601	0.00404	-0.03209	0.04191
53	odai0-4n	108	408	0.00908	0.11756	-0.03302	-0.17255	0.00800	0.02998	0.04095
54	or[oa]	156	340	-0.00269	-0.07362	-0.01586	-0.01667	0.07614	-0.00826	0.04095
55	cedal variants	54	127	-0.00563	-0.11310	-0.01748	-0.02190	-0.06798	0.18572	0.04037
56	otc + e0-4 + y | dy | o[dlrs]y	91	493	-0.00563	0.17638	-0.02905	-0.08989	-0.06189	-0.02935	0.03943
57	ai4[dlrsmg]	14	930	-0.00240	-0.15335	0.13676	-0.12919	-0.03679	0.14589	0.03908
58	ai4[lr]	6	782	-0.00179	-0.15610	0.13375	-0.12204	-0.04752	0.15722	0.03647
59	y-initial	569	1926	0.00112	0.11182	0.04284	-0.09899	-0.00152	-0.09141	0.03614
60	o[fptk]o	18	51	0.01398	0.05873	0.19002	-0.18726	0.01045	-0.12198	0.03605
61	[fptk] + c | c[s | fptk] + e4dy	19	196	-0.00563	-0.04421	-0.09389	0.09846	-0.06798	0.07830	0.03495
62	[fptk | dlrs] prefixes to dai4[lrsm | n]	51	83	-0.00563	-0.12553	-0.03181	-0.06678	-0.03183	0.22718	0.03439
63	[yo]e4 | c + [fp]	72	84	-0.00563	0.07484	0.07447	-0.13964	0.05107	-0.08837	0.03325
64	[fptk]ai4[lr]	14	190	-0.00036	-0.05736	0.00117	-0.00305	-0.06798	0.09484	0.03275
65	o[fptk]c + e0-4 + y | dy | o[dlrs]y	290	1421	-0.00281	0.09355	-0.03443	-0.05777	-0.04757	0.01672	0.03231
66	[dlrsmg]ai4m	7	149	-0.00563	0.13532	0.01671	-0.10001	0.02598	-0.10435	0.03197
67	te4o	32	75	-0.00563	-0.08087	0.04257	-0.06726	0.01202	0.06782	0.03134
68	o[fptk | dlrsmg][ao]m	87	280	-0.00563	0.07365	0.01376	-0.13011	-0.01798	0.03544	0.03087
69	a-axis of [yo][fptk][ao][lr]	218	1731	-0.00274	-0.11801	0.08308	0.03400	-0.03909	0.01289	0.02986
70	c | cs + e0-4d	26	89	-0.00563	-0.08072	-0.09286	0.00375	-0.06798	0.21554	0.02790
71	o[lr]a	190	469	-0.00563	-0.14069	0.09206	-0.04653	0.07488	-0.00166	0.02756
72	[dlrsmg] + ai4r	10	190	-0.00563	-0.04158	0.05906	-0.10831	0.01623	0.05274	0.02748
73	a[lr]an	25	56	-0.00563	-0.06206	-0.01481	-0.15154	0.00345	0.20330	0.02729
74	ote4dy	19	509	-0.00563	-0.16847	-0.06873	0.17620	-0.06798	0.10819	0.02642
75	[yo]cse4y	24	57	0.04701	0.02158	0.00117	0.00572	-0.05043	-0.05077	0.02573
76	[yo]dy endings	282	1228	-0.00237	0.06166	0.05144	-0.15143	0.05906	-0.04350	0.02514
77	a[lr][ao][lr]	199	391	-0.00563	-0.20469	0.20537	-0.02869	-0.01171	0.02039	0.02497
78	[yo][fptk][ao][lr]	445	2688	-0.00228	-0.05537	0.06927	-0.00050	0.00680	-0.04186	0.02395
79	dai4m	4	130	-0.00563	0.22887	0.01898	-0.12572	0.03972	-0.17884	0.02262
80	or[yoa]	198	438	0.00122	-0.04078	-0.00592	-0.01602	0.08042	-0.04140	0.02248
81	l[drs] Prefixes	27	95	-0.00563	-0.14684	-0.06199	0.14958	-0.04692	0.08958	0.02222
82	om + o[fptk | dlrsmg]am	157	454	-0.00342	0.10888	0.00163	-0.12999	0.01572	-0.01453	0.02171
83	[fptk]ai4[dlrsmg | n]	33	411	-0.00076	-0.02413	-0.03354	-0.01208	-0.06311	0.11288	0.02073

84	faceys relatives	54	61	0.04355	-0.06470	-0.00574	-0.12168	0.01399	0.11460	0.01998
85	oo	44	62	-0.00563	0.07676	-0.03958	-0.17113	0.15783	-0.03691	0.01865
86	[yo]te4od	41	149	-0.00563	-0.15327	0.32543	-0.16712	0.01256	-0.03052	0.01855
87	oe	304	463	-0.00563	-0.06958	0.10973	-0.12462	0.05729	0.01489	0.01792
88	dairol/soral relatives	113	190	-0.00563	-0.13631	0.13274	0.02853	0.05308	-0.08937	0.01696
89	[dlrsmg | fptk] + ai4[dlrsmg]	63	1444	0.00130	-0.00335	0.04410	0.01150	0.00751	-0.07801	0.01696
90	cse0-4s	43	102	0.00418	-0.01970	0.18022	-0.01079	-0.01896	-0.15139	0.01644
91	otce0-4y	47	281	-0.00563	0.35348	-0.04360	-0.12676	-0.05730	-0.13650	0.01630
92	Consonant Clusters	35	115	0.00307	-0.05073	0.02634	0.01274	-0.05928	0.05159	0.01627
93	ofc + e0-4 + y | dy | o[dlrs]y	35	65	-0.00563	0.09041	0.03436	0.02813	-0.06798	-0.09423	0.01493
94	okc + e0-4 + y | dy | o[dlrs]y	97	563	0.00148	0.11077	-0.04193	-0.05049	-0.03778	0.00357	0.01439
95	ed[yoa]	940	5851	-0.00546	-0.14962	-0.07385	0.16943	-0.06302	0.10861	0.01389
96	l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n]	38	186	-0.00563	-0.27808	-0.09872	-0.03134	-0.05722	0.45772	0.01328
97	otal variants	43	333	-0.00563	-0.15607	0.14215	0.01695	-0.02593	0.01545	0.01308
98	od endings	122	243	0.00672	0.20374	-0.00122	-0.17080	0.01433	-0.06485	0.01208
99	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n]	46	230	-0.00563	-0.27247	-0.09105	-0.02204	-0.05928	0.43855	0.01192
100	o[fptk]ai4n	91	1598	0.00063	-0.13150	-0.06154	0.08684	-0.05609	0.14982	0.01185
101	c + e4dy	387	3053	-0.00530	-0.13764	-0.07888	0.19335	-0.06208	0.07884	0.01171
102	[fptk | dlrsmg] + c | c[s | fptk] + e4od	21	68	0.00908	0.17638	-0.03057	-0.17255	-0.02386	0.02998	0.01154
103	[dlrsmg] + ai4[lr] + y-suffix	20	1035	0.00404	-0.02657	0.05726	0.03690	0.01608	-0.09913	0.01144
104	[fptk]ai4n	9	191	-0.00039	-0.01148	-0.07792	-0.01448	-0.06274	0.15571	0.01131
105	yce4y + s infixes	17	82	0.01876	0.02287	-0.05532	-0.01653	-0.03139	0.05042	0.01118
106	o[fptk]c + e0-4y	144	753	-0.00164	0.24630	-0.02707	-0.10758	-0.04407	-0.07698	0.01105
107	[tk]e4o	66	206	-0.00077	0.01162	0.01726	-0.10959	0.06309	0.00756	0.01082
108	[q | fptk | dlrsmg] + oi0-4[lr]	29	1819	-0.00178	-0.04022	-0.06177	0.16678	0.02163	-0.09523	0.01058
109	oe sans oy + oe4y, oe0-4s	231	317	-0.00563	-0.11124	0.11988	-0.11155	0.06452	0.03346	0.01056
110	c[fp]e4y + added c-sequences	21	69	0.02336	0.14058	-0.01714	-0.07132	0.01898	-0.10493	0.01047

Table 27.2: Traditional Mappings of the 4 Elements and 4 Humors to Other Key Object Hierarchies[50]

Lunar Phases	Rosette #	4 Elements	4 Humors	Weather	Complexion	Temperament via Phases	Temperament via Humors	Temperament → Planets & Conjunctions	Organs
New Moon 0°	#8	Water (alt. Air)	Phlegm	Cold/Moist	Pale	Sanguine	Phlegmatic	Venus, Moon (esp. conjunct at 270° Nadir)	Lungs, Brain
Waxing Moon 90°	#6	Air (alt. Water)	Blood	Warm/Moist	Reddish	Choleric (2nd-3rd Quarter)	Sanguine	Jupiter, Mercury (esp. conjunct at 0° Ascendant)	Liver
Full Moon 180°	#4	Fire	Yellow Bile (alt. black for Fire)	Warm/Dry	Jaundice	Melancholic	Choleric	Mars, Sun (esp. conjunct at 90° Midheaven)	Spleen
Waning Moon 270°	#2	Earth	Black Bile (alt. yellow for Earth)	Cold/Dry	Dark	Phlegmatic (3rd-4th Quarter)	Melancholic	Saturn (esp. at 180° Descendant)	Gall Bladder

Table 27.3: Traditional Mappings of the 4 Seasons to Other Key Object Hierarchies[51]

Zodiac Triplicity	4 Seasons	Weather	Planetary Governance for that Season
Aries-Gemini 0°-90°	Spring	Hot/Wet	Jupiter
Cancer-Virgo 90°-180°	Summer	Hot/Dry	Mars/Sun
Libra-Sagittarius 180°-270°	Fall	Cold/Dry	Saturn/Mercury
Capricorn-Pisces 270°-360°	Winter	Cold/Wet	Moon/Venus

Table 27.4: Traditional Mappings of the 7 Planets to Other Key Object Hierarchies[52]

Planet	Organ	Metal
Sun	Heart	Gold
Moon	Brain	Silver
Mercury	Lungs	Quicksilver
Venus	Kidneys	Copper
Mars	Gall bladder	Iron
Jupiter	Liver	Tin
Saturn	Spleen	Lead

Table 27.5: Traditional Mappings of Anatomical Parts to the 12 Zodiacs[53]

Zodiac	Governing Planet	General Body Part	Specific Body Parts
Aries	Mars	Head	Eyes, Adrenals, Blood Pressure
Taurus	Venus	Neck	Throat, Shoulders, Ears
Gemini	Mercury	Shoulders	**Lungs**, Nerves, Arms, Fingers
Cancer	Sun	Chest	Breasts, Sides, Some Bodily Fluids And Organs
Leo	Moon	Sides	Stomach, Heart, Spine, Upper Back, Spleen
Virgo	Jupiter	Belly	Abdomen, Intestines, Gallbladder, Pancreas, Liver
Libra	Venus	Buttocks	Hips, Lower Back, Kidneys, Endocrines
Scorpio	Mars	Genitalia	Pelvis, Urinary Bladder, Rectum
Sagittarius	Mercury	Thighs	Legs, Hips, Groin
Capricorn	Saturn	Knees	Shin, **Bones**, Skin, Sinew, Nerve
Aquarius	Saturn	Lower Leg	Ankle, Calf, Some Blood Vessels
Pisces	Jupiter	Feet	Sole, Extremity

Table 28.1: Clustering of Zodiac Date Labels by Critical Slot-and-Filler Definitions

[yo]ta[lr]		**[yo]ka[lr]**		**[yo][fp]a[lr]**		**ote$^{0-4}$ol**	
Pisces Outer #5	otald	Pisces Outer #3	okaly	Taurus Light Outer #7	opalar am dan	Aries Dark Outer #9	otol ypcsearal
Pisces Outer #6	otal dar	Pisces Interior #4	okaram	Taurus Light Outer #8	opalor ar	Aries Dark Interior #1	otolaiin
Pisces Outer #10	otaly	Pisces Interior #7	okal dal	Taurus Dark Interior #5	ofaralar	Aries Light Outer #2	oteolar
Pisces Outer #11	otal arar	Pisces Interior #9	okar am	Cancer Interior #1	yfary	Aries Light Interior #1	otol cedy
Pisces Outer #12	otal dy	Aries Dark Outer #3	okalal	Cancer Interior #7	opalal	Aries Light Interior #2	otol oar am
Pisces Outer #16	otalalg	Taurus Light Outer #5	okaraiin	Leo Outer #7	ofal als	Aries Light Interior #3	oteeol
Pisces Outer #18	otar	Taurus Light Outer #6	okar ar aly	Leo Interior #9	opal	Aries Light Interior #4	otolced
Pisces Interior #1	otalar	Taurus Dark Outer #2	okalam	Sagittarius Outer #4	opals	Gemini Outer #14	otolam
Pisces Interior #2	otalam	Gemini Top #3	okar am	Sagittarius Interior #9	ypal	Leo Outer #6	otoly
Pisces Interior #10	otaral	Gemini Top #4	okairy	**o[fptk]am**		Leo Interior #11	otoly yty
Aries Dark Outer #4	otaly	Gemini Outer #1	okal	Aries Dark Outer #2	otokaim an	Libra Outer #18	oteoly
Aries Dark Outer #10	otal cey tar am dy	Gemini Outer #2	okaly	Gemini Interior #2	okam	**okol**	
Aries Dark Interior #3	oteoeey otal okeal ar	Gemini Outer #3	okal	Gemini Interior #6	otam	Pisces Interior #8	ykolaiin
Aries Dark Interior #4	otear araydy	Gemini Outer #7	okair ceam	Leo Outer #18	okam	Aries Dark Outer #7	okol csey
Aries Light Outer #4	otaleky	Gemini Outer #8	okeal	Libra Interior #5	ypaim	Aries Dark Interior #5	okoly
Aries Light Outer #5	otal dar	Gemini Outer #10	okaly	**o[dlrs | fptk]o[mg]**		Taurus Light Outer #1	okolar
Aries Light Outer #8	otal aly	Gemini Outer #16	okalar	Taurus Light Outer #9	cear orom	Leo Outer #5	okoly
Aries Light Interior #5	otal dar	Gemini Interior #4	okaldy	Taurus Light Interior #5	ofacfom	Sagittarius Top #1	okol
Taurus Light Interior #1	otalody	Gemini Interior #8	okar ceam	Leo Outer #16	ogeom	**oke$^{1-3}$ol**	
Taurus Light Interior #2	otalaiin	Cancer Outer #10	ykal air ol	Virgo Interior #4	okeeom	Pisces Outer #13	okeoly
Taurus Light Interior #3	otar csear	Cancer Intermediate #6	ykairaiin oiral	Libra Interior #4	okogy	Gemini Top #5	okeolar
Taurus Dark Outer #3	ytal csedy	Cancer Intermediate #7	okalar	**oke$^{1-4}$od + y**		Leo Outer #12	okeeol
Taurus Dark Outer #5	otaraldy	Leo Outer #13	okaly	Virgo Outer #10	oteeod	Leo Outer #15	okeolo
Taurus Dark Outer #7	otalef ys ain am	Leo Outer #14	okaldy	Virgo Outer #11	yteody	Virgo Outer #13	okeoldy
Gemini Outer #5	oteeary	Leo Interior #6	okary	Virgo Outer #12	okeody	Virgo Interior #1	oekeol
Gemini Outer #6	otair dy	Libra Outer #10	okal	Libra Outer #7	oteod	Libra Outer #3	okeeoly
Gemini Outer #9	otarar	Libra Interior #6	okalair	Libra Outer #8	yteod	Libra Outer #19	okeoly
Gemini Outer #15	otar al dy	Scorpio Interior #1	okary	Libra Outer #9	okeeody	Libra Interior #8	okeol
Gemini Interior #3	otal csey	Sagittarius Outer #13	ykeear	Scorpio Top #4	yteeody	Sagittarius Outer #14	qokeoly
Gemini Interior #9	otal	Sagittarius Interior #4	okal	Scorpio Outer #16	okeody	**oke$^{1-3}$or**	
Cancer Intermediate #1	ytairal	**ok[ao]dy**		Scorpio Interior #2	okeeody	Virgo Outer #4	okeory
Leo Interior #10	otaly	Pisces Outer #4	otody	Sagittarius Top #2	oteody	Virgo Outer #14	ykeeor
Libra Outer #11	ytaly	Pisces Outer #7	okody	Sagittarius Top #3	oteody	Scorpio Outer #5	ykeeory
Scorpio Top #1	otaly	Pisces Outer #17	okady	Sagittarius Outer #5	ykeody	Sagittarius Outer #3	ykeor
Scorpio Outer #15	otaly	Aries Dark Outer #6	oteeodals	Sagittarius Outer #6	okeody	**os/osai$^{0-4}$**	
[yo][fptk]ai$^{0-4}$n		**oe$^{1-3}$dy**		Sagittarius Outer #11	ykeeody	Taurus Dark Outer #7	otalef ys ain am
Taurus Light Outer #4	otaiiin	Leo Interior #4	oeedy	Sagittarius Outer #15	okeody	Gemini Interior #5	ceosar
Taurus Dark Outer #6	otaiiin otain	Virgo Outer #17	oeedey	Sagittarius Interior #7	okeod	Cancer Outer #2	os ar cseeeen
Taurus Dark Interior #4	otainy	Virgo Interior #2	oeedy	**o[fptk]e0-4dy etc.**		Cancer Interior #2	os ais al
Cancer Outer #4	opoiiin oin al aes	Virgo Interior #6	oeedaly	Leo Interior #8	oteeded	**oe$^{1-4}$s**	
Cancer Outer #5	ypaiiin aloly	**Other od**		Virgo Interior #9	yteedy	Cancer Intermediate #2	oeees aiin
Cancer Outer #9	opoeey okaiiin	Sagittarius Outer #1	odees	Libra Outer #15	ykeedy	Cancer Intermediate #5	ofais oeees aly
Leo Outer #4	***ofaiin	**odai$^{0-4}$[dlrsmg | n]**		Scorpio Top #3	okedy	Leo Interior #7	oees aiin
Virgo Outer #15	opaiin ar	Aries Dark Outer #6	oteeodals	Scorpio Outer #2	okeedy	Libra Outer #2	oees
Virgo Interior #12	okaiiiny	Cancer Outer #7	oeeeodaiin	Scorpio Outer #4	okeedy	Libra Outer #12	oeeeos
Scorpio Outer #12	opaiin	Leo Interior #5	odair an	Scorpio Outer #9	okedal	Libra Outer #20	oeees
Sagittarius Outer #7	ypaiiin	Virgo Outer #8	oteodar	Scorpio Interior #3	oyteedy	**o[fptk]e$^{1-4}$os**	
oi		Libra Outer #4	odal	Sagittarius Interior #10	otedy	Pisces Outer #8	opys am
Cancer Outer #4	opoiiin oin al aes	Libra Outer #5	aiin od	**o[fptk][dlrsmg]**		Pisces Interior #5	oteosal
Cancer Intermediate #6	ykairaiin oiral	Libra Outer #6	odady	Aries Light Outer #10	okldam	Aries Light Outer #9	oteos arar
Libra Interior #2	oiiny	**oa**		Gemini Top #2	oklair dy	Scorpio Outer #6	oteeosy
oe$^{0-4}$o		Aries Dark Outer #5	oal ceeg	**ol[fptk] + old**		Scorpio Outer #13	okeos
Cancer Outer #7	oeeeodaiin	Aries Light Outer #1	oteoaldy	Cancer Interior #6	oletal	Scorpio Interior #10	okeos
Virgo Outer #18	oeeo daiin	Aries Light Outer #3	okeoaly	Cancer Outer #8	ofcseoldy	Sagittarius Outer #12	okeos
Libra Outer #12	oeeeos	Aries Light Interior #2	otol oar am	Cancer Outer #11	olkal aiin	**Other os**	
Libra Outer #16	oeeoty	Taurus Dark Outer #1	oaiin ar ary	Cancer Intermediate #10	olf cseeor al	Virgo Interior #7	ceeosy
Libra Interior #7	oeeody	Cancer Interior #3	ytoar cseor	Leo Outer #11	ceeolpy	**ols**	
[ao][lr][ao][lr] Pipe/Flow		**ory**		Virgo Outer #13	okeoldy	Pisces Interior #6	salols
Pisces Outer #11	otal arar	Cancer Intermediate #3	ory	Virgo Outer #16	ceeoldy	Aries Dark Interior #2	oteo alols araly
Pisces Outer #16	otalalg	Leo Outer #17	oreeey	Virgo Interior #5	olkar	**oe$^{0-4}$y**	
Pisces Interior #1	otalar	Virgo Outer #4	okeory	**-oly**		Aries Dark Interior #3	oteoeey otal okeal ar
Pisces Interior #3	dolar am	Scorpio Outer #5	ykeeory	Pisces Outer #13	okeoly	Cancer Outer #9	opoeey okaiiin
Pisces Interior #6	salols	**o[lr]ai$^{0-4}$n**		Aries Dark Interior #5	okoly	Virgo Outer #6	ceeoloy
Pisces Interior #10	otaral	Pisces Interior #8	ykolaiin	Cancer Outer #5	ypaiiin aloly	Libra Interior #3	oeey
Aries Dark Outer #3	okalal	Aries Dark Interior #1	otolaiin	Leo Outer #5	okoly	**Herbal/Liquid Ingredients**	
Aries Dark Outer #9	otol ypcsearal	Cancer Outer #1	oraiin am	Leo Outer #6	otoly	Aries Light Interior #1	otol cedy
Aries Dark Interior #2	oteo alols araly	Cancer Intermediate #9	olaiin olackey	Leo Interior #11	otoly yty	Taurus Light Interior #4	cseol csedy
Aries Light Outer #2	oteolar	Virgo Interior #10	oraiin	Leo Interior #12	cseoleey	Leo Outer #8	cseeeod ocfeey
Aries Light Outer #9	oteos arar	Sagittarius Outer #10	oraiiny	Libra Outer #3	okeeoly	Scorpio Outer #10	cedy
Taurus Light Outer #1	okolar	**o[tk]e$^{0-4}$y**		Libra Outer #18	oteoly	Scorpio Outer #11	dal cseey
Taurus Light Outer #7	opalar am dan	Pisces Outer #1	oky ody	Libra Outer #19	okeoly	Sagittarius Top #4	ceeody
Taurus Light Outer #8	opalor ar	Pisces Outer #2	oty ar	Libra Interior #9	oeeoly	Sagittarius Outer #2	cecsey
Taurus Light Outer #9	cear orom	Pisces Outer #14	oky dy	Sagittarius Outer #14	qokeoly	Sagittarius Outer #16	cseeol
Taurus Dark Outer #5	otaraldy	Pisces Outer #19	oty	**o[fptk]e0-4o**		**Complex Liquids/Modifiers**	
Taurus Dark Interior #5	ofaralar	Aries Light Outer #7	oteotey sary	Cancer Outer #3	oto *aiin	Pisces Outer #9	ceckcey
Gemini Top #5	okeolar	Taurus Dark Interior #3	okeey ary	Virgo Outer #1	okeo ram	Taurus Light Outer #3	al cpey
Gemini Outer #9	otarar	Gemini Outer #4	okeey ary	Virgo Outer #5	ceeoekey	Leo Outer #9	daiiin cecpy
Gemini Outer #11	orary	Gemini Outer #13	okyd	Virgo Outer #7	cseeoeky	Leo Interior #2	cectcey
Gemini Outer #14	otolam	Cancer Outer #6	oteey daiiin	Virgo Interior #11	okeo rar	**Balneological/Herbal Verbs**	
Gemini Outer #16	okalar	Leo Outer #1	okey	Libra Outer #13	oteofy	Aries Light Outer #6	ceeary
Gemini Interior #1	salal	Leo Outer #3	okyeecsey	Sagittarius Interior #6	ykeeo	Taurus Dark Outer #4	cear alef
Cancer Outer #5	ypaiiin aloly	Leo Outer #10	oteey dceal	**Other Verbs etc**		Taurus Dark Outer #10	cedaiir sain y
Cancer Outer #12	olalsy	Leo Interior #1	oky	Aries Dark Interior #4	otear araydy	**ai$^{0-4}$m Polygraphs**	
Cancer Intermediate #1	ytairal	Leo Interior #11	otoly yty	Taurus Light Outer #7	opalar am dan	Pisces Interior #2	otalam
Cancer Intermediate #7	okalar	Libra Outer #16	oeeoty	Gemini Interior #7	air aly	Pisces Interior #3	dolar am
Cancer Intermediate #8	orary	Libra Interior #1	okeey	Cancer Outer #5	ypaiiin aloly	Pisces Interior #4	okaram
Cancer Intermediate #9	olaiin olackey	Libra Interior #10	okydy	Cancer Intermediate #11	ar alkam	Pisces Interior #9	okar am
Cancer Interior #5	aral	Scorpio Outer #3	okeey	Leo Interior #3	laly	Pisces Outer #8	opys am
Cancer Interior #7	opalal	Scorpio Outer #14	otey	Leo Outer #7	ofal als	Aries Dark Outer #2	otokaim an
Libra Interior #6	okalair	Scorpio Interior #4	oky	Libra Outer #5	aiin od	Aries Dark Outer #10	otal cey tar am dy
Sagittarius Interior #3	arair	Sagittarius Interior #2	oky	Scorpio Interior #8	ar	Aries Light Interior #2	otol oar am
o[tk]e$^{1-4}$s		Sagittarius Interior #5	ykey	Scorpio Interior #9	kar	Aries Light Outer #10	okldam
Pisces Outer #15	okees	Sagittarius Interior #8	ykey	Sagittarius Interior #1	ceeg	Taurus Light Outer #7	opalar am dan
Color/Symptom		**Problem/Disease**		**Sensory Hierarchy?**		Taurus Dark Outer #2	okalam
Taurus Dark Outer #8	oceol cear am	Aries Dark Outer #1	opceey sal	Taurus Light Outer #10	cefaly	Taurus Dark Outer #7	otalef ys ain am
Taurus Dark Outer #9	ocseodody	Aries Dark Outer #8	otcsecsedy	Scorpio Outer #7	cseekal	Taurus Dark Outer #8	oceol cear am
Cancer Outer #4	opoiiin oin al aes	Taurus Light Outer #2	otceody	Scorpio Interior #5	ceefy	Gemini Interior #2	okam
Cancer Intermediate #4	oceey fydy	Taurus Dark Interior #1	otceo csey	Scorpio Interior #7	cseek	Gemini Interior #6	otam
Cancer Interior #4	octeo	Taurus Dark Interior #2	otcedal			Gemini Interior #8	okar ceam
Leo Outer #4	***ofaiin – remove this?	Gemini Top #1	ofcedady			Gemini Outer #7	okair ceam
Leo Outer #8	cseeeod ocfeey	Cancer Outer #8	ofcseoldy			Gemini Outer #14	otolam

Virgo Outer #3	ocseesy	Leo Outer #2	otceeody			Gemini Top #3	okar am
Libra Outer #17	octey	Virgo Outer #9	ofcedy sd			Cancer Intermediate #11	ar alkam
Scorpio Top #2	ceockey	Virgo Interior #8	ofceeey			Cancer Outer #1	oraiin am
		Libra Outer #1	ocfcsey			Leo Outer #18	okam
		Libra Outer #14	ceeoepy			Virgo Outer #1	okeo ram
		Sagittarius Outer #9	ofceeesy			Libra Interior #5	ypaim

Table 28.2: Cosmological Diagram Mappings to the T-Squares and Outer Protrusions of the Rosette Folio

Rosette #2 Protrusion	**Rosette #3 Diagram Interiors**	**Rosette #4**	**Rosette #6**	**Rosette #8**	**f68v3 Diagram Centers**
Protrusion Exterior (kecey qol ceedar ar otedy cedaiin oty)		Exterior Sun (opar odam)	Attachment (opacseeefcedy rar odair or odar air d oteoly)		
Bottom-Right (okor)	#1 (ofairy)				#1 otodol
Bottom-Left (opcey)	#2 (okalain)				#2 opceol dg
Top (osal)	#3 (okcedy kary oraiiin cey)				#3 doar ykeol darol **daly solaiin** ckcey olekeey dy ykeol cteeepcey dar
Interior Ring					**Inner Ring**
o*oar octcey odas aram ar keeody ocedor al oekairy ytodaro opal csey orar odar yky dar ykodar ykary opal ly					okosy okcey okol ceoekey okeoeeey ol ykor otair or orol or keeey olkeeoly ykeeol
Outer Ring	**Outer Ring Sentences**				
okos opair air an oteoteedy otod ykodar cees okodain ol ykody cedas tcedaiin sy sarald todar cekar odair or **oal** okcedy dcedy okeedy ykceda ceeky oaiin okees olar or ykeedy okeo **lodaiin** or taiin olar	#1 olkar ceey kar cseal qokal okar okar otody otody otody otar cefol okcsey okom okar as okody okody okceegy ceekceedy ofcedor qotcedy kor cedar ceek olkocpe #2 ykd okees olceedy okal ykol otodar cseekal	okar ar okary otodeed odar ceekaiiin or** *** ** aiiin ***** aiiin okees oiiin **odaiin** okalol aiin **otalol otar** cecedam ceetey otodcees otecseey ceckey otedy **otal** ceedal opal olkar **okedaiin** oror	otcedaiiin otodar otegar **otar odaiiin olkaiin** otl xasacsee ol as ackey ceedaiiin ockceedy cseedy otedy okedol d or aiiin otody toor ceepar ol ceckey opcedar or ar al xar opor olceedy okal m or afal air* dy	oto tosain odar **otar** otad okaiin dar al cedar otdar cecpces **okos** ol om olkeeodaiin cseol okal or cseees qoeey okalol otodr **oas** ar ol oqotam oteed oteedy okedy lsaiin or aiin **okor** okeedy	
f67v2					
Multi-Face Diagram #1 (otararain) Grand Cross Exterior #1 (tol or oir om otoly san m daiin **taedaiin** or okor)		Multi-Face Diagram #2 (okceos am) Exterior #2 (okeey keoy **osalal** ykaral am oralady odam)	Multi-Face Diagram #3 Grand Square Exterior #3 (**toal** daim sakar dam **solair** cfeey **solal daly**)?	Multi-Face Diagram #4 (otoedy) Exterior #4 (**okeol** ceol ar **okol** dam **koaiin** ofal ol ofalaiin **oar**)	

Table 28.3: Cosmological Diagram Mappings to the Inner Protrusions of the Rosette Folio

Rosette #2	**Rosette #4**	**Rosette #6**	**Rosette #8**
Inner Protrusions			
Volcano-Like Protrusion (oda cseg asain)	Rosette #4 Volcano-Shaped Protrusion (orar m)	#6 Upper-Right Attachment (csedain otegy)	Rosette #8 Smokestack (orarol)
Protrusion #2 (oeolales airar)	Protrusion #3 (**oar** ykaly cear)	Protrusion #4 (**okar** alot **olka***)	Protrusion #1 (okeeey oekcedy)
f57v			
Diagram Center #1 (oralaror)	Diagram Center #2 (okaly) Hand-Raiser #2 (oparair dly)	Diagram Center #3 (ocfeor **okear**) Hand-Raiser #3 (olkcedal)	**dairol** Diagram Center #4 (askaldy) Hand-Raiser #4 (**otar daly**)
f85r2			
Hand-Raiser #1 (sosees) #1 sain or or aiin **opcedy qotor** cseeedy **cseodaiin** olfar ary dair cseeo **oraiin** ceol daiin ockedor olkor **cseoral**	Hand-Raiser #2 pceedeey olkey qokedy cseeos fceeey otceedy ceotey qocteey oteey ol oloeorain daiin qotaiin tceedy **otedy** qotcedy ceckeey ytceedy **qodar qotedar qokar** qotced qotom sois aiin cseedaiin ceokceod	Hand-Raiser #3 (orar oldar ain) #3 otees cseedor ceey sorain or cseedy tedy **sodaiiin** cey **ytedar** ceeds aiin arody ypcseedy dar ceedy or am oteey **qodain odain** an ceey	Hand-Raiser #4 (ol lceeol ceol ol cseeoly) #4 okees **olaiin qokal** cedy sary qokcseedy **qodain** ceckey ykeedy ceedy ar aiin ckeedy orain olceey **qokal** cseedy qokeody qoekedy dody csedy **qodaiin** los ar cseedy qokcseey qoseey or aiin od
f86v3			
#1 (tceedy qokeedy qoedy qopcey raiin olpceey qokaiin sain yceedy qoeeey **otair** ceeody ytain qokaiin taiin ytaiin ytaiin ytaiin or ar **ytar** am ykaiin qoeedy qor aiin ytecey ar aiin aram ycseeey qotaiin cedy ypcseeor ytain otain ytam daiin ls aiin cectey ykaiin ykaiin cedar araiin sain ytaiin ytapy odeeey dal dair ytam sar aiin otey **otais**)	#2 (tcseedal ypceey csedy qopceeeody opcedy olfceey ypceey qotaiin dcseedy qokeey qotcey cseedy qokaiin cedy **otor** otaiin ykaiin qodaiin y oceedy qotceey qoky daiin cedy oteedy qoty daiin om cseor ytey oteedy cseedaiin cseeey otaiin ytaiin **otodar** aiin teeos aiin ytey qoteey otceey qoteeody ceeeor ceeedaiin yceeeody dais oteey qoedy oteey olteey)	#3 (toeeedcey okceey qokceedy cseedy **ytceeodar** ytceey yteey cedal or ceeey daiin ceeokaiim tceedy cey tceey otceedy **qokal** oeedy lkam oees aiiin yteeedy ceedy qotaiin ceeody ytceey otaiin kcsed **qotar** ceear or am yteeo dy ceedy **qokal** yteey **qotar** am dceeey teeody oty otceedy daiir aiim ykeeedy qoteey **qodaiin** okeeey)	#4 (tceol olkey cfeyaiin opceedy **okceedy** or aceeody cseol cseedy yteey daiin dady yceey ol keeey qotceedy qokeey qotceedar cseeedy qokaiin qokedy ykaiin qotaiior am tceeod oteey yteeody cedy ceedos cseedy ceeos ds aiir cseeey ytcecseey oteeodam yteedy ykeey daim ceoaiin ceeckey cseykeeeocey tceeey **otodaiin opaiin** otceey otam **ocseeey** or cseeey tceeody qokain **qodaiin olkar** ceedaiin yceedy qokody ceolkain ar aiin cseodain cseor cealkar cseekcseol okceor)
f67v2 Diagram Centers			
#2 (dalam)	#3 (sory)	#4 (okoral)	#1 (soaiin)

Table 28.4: Exterior Remedy Distribution

Rosette #2	Rosette #4	Rosette #6	Rosette #8
Top Exterior Label (okody) Bottom Exterior Label (okar oedody)	Exterior Sun (opar odam) Exterior Fish-Tail (opaldar) #4-5 Bridge #1 (okar)?	Rosette #6 Exterior Labels #1-4 (ofodydy, opdady, otodey, otodedy)	Rosette #8 (okcedarar)? (if it's actually okoedarar)

Table 28.5: The Rosette "Bridge" Distribution

Exterior Protrusion Area	Bridge Interiors	Interior Protrusion Area
#8-1 Bridge Top (daldal)		#8-1 Bridge Bottom (daraldy)
#7-8 Bridge #1 (soiiin dy)	#7-8 Bridge Interior #1 (ytedar) #7-8 Bridge Interior #2 (ddsscsex) #7-8 Bridge Interior #3 (daldar)	#7-8 Bridge #2 (ofardy)
	#1-2 Bridge Interior (ofair ofalctey)	#1-2 Bridge #2 (opotceos ody)
#2-3 Bridge Label #1 (sar cecfedy)	#2 Castle #4 On Bridge to #3 (otcedy otoldy)	#2-3 Bridge Label #2 (opcseedaiin)
#3-4 Bridge #1 (opodcedal)		#3-4 Bridge #2 (dar cedy)
#4-5 Bridge #1 (okar)		#4-5 Bridge #2 (ly cseeal g)
	#5-6 Bridge Interior (opcedain)	#5-6 Bridge #1 (otdar cseed)
	#6-7 Bridge Interior North (otce) #6-7 Bridge Interior East (odl) #6-7 Bridge Interior South (ddy) #6-7 Bridge Interior West (osy)	
#6-7 Bridge #1 (depceeky)		#6-7 Bridge #2 (oteey)

Table 28.6: Mapping of Rosettes #1-8 to the f68r3-f68v3 Figures with Minimal Textual Misalignments

Rosette & Lunar Phase Beginnings	f68v1 Amalgam	f68v3 by Rosette	f68r3 Star Quadrant	f68v2 Star Divider
#8 New Moon 0° Rosette #8 Outer Ring (…cecpces…qoeey…) #8.6 (sceedoy olal)	Rosette #8-1 → #1 sair arolsar	Rosette #8-1 → Sides #1 oceeol qoeey keody ceeoky okcey ceody dy oteem	Quadrant #8 Star #1 dceol day Wand/Branch oal ceeol Wand/Branch Head doary	Stars #8 ykeeepol ypcey
#7 Waxing Crescent Outer Ringer (…oteedaiin odal ceoky…) West-Oriented Text (qokoais ocfcey)	Rosette #7-8 → #8 dair cpceety dy	Rosette #7-8 → Stars #4 ydaiil ol ceok okceyd)	#7 dceey qokeey dceeey daiir otceal #6 kceoty oteey daiin dceeeody oteey	#7 dceedal daiin #6 odair cedy aiin
#6 First Quarter 90°	Rosette #6-7 → #7 oteodain sar	Rosette #6-7 → Sides #4 oceey ceekcey dkeeeg ceeekey teolkeceey saiir	Quadrant #6 Stars #1 okceody #2 daral l #3 oty dg #4 octey d	Stars #6 otcedy ceetal
#5 Waxing Gibbous South-Oriented Text (ceekais okolarm)	Rosette #5-6 → #6 dar csees cseokey	Rosette #5-6 → Stars #3 yceeeo keey qokal okeeg	#5 pceody qokcey dcseol dcsey otgoldl #4 dceokcey cseey okey oteos okol csey	#5 otceos alag cey #4 yteody ceetey
#4 Full Moon 180° Outer Ring (…otalol…otal…)	Rosette #4-5 →#5 okeey ceek ceekeys	Rosette #4-5 →Sides #3 qokeody okeey ceekcey ceckey okal ody ceedy	Quadrant #4 Stars #1 okol cey #2 ceockey #3 cedy yky	Stars #4 oteoys orasaly
#3 Waning Gibbous Diagram Interior #3 (okcedy kary oraiiin cey) and Outer Ring (...okceegy...) East-Oriented Text (oky dcseog oafoaly)		Rosettes #3-4 → Stars #2 cseoekeary cseeky okol ceey okol dom	#3 qokol cedceol qoteey ceo kecey okcedy #2 dcey kcey daiir ceok ockey dar	#3 soctes ceety #2 ycseesos ar csey
#2 Last Quarter 270° Exterior #1 (…otoly…) Hand-Raiser #1 (otodarag)	Rosettes #2-3 → #3 okecedaral	Rosettes #2-3 → Sides #2 okeol ceeody qo oleey oceeky eeody okcedy oko okos	Quadrant #2 Stars #1 okos #2 okory	Stars #2 otosey sary
#1 Waning Crescent Quadrants #1-10 (oko, daiiny, docfcey, okedy, ofary, ofair, ofas, adairy, dxar, okory) #1-2 Bridge Interior (ofair ofalctey) #1-2 Bridge #2 (opotceos ody) **Outer Ring (sair od sar os** okal okal os al al ykal ol al ol al ol al lar okair okod okod okeo ldy opy cses otedy ceedces cseeekedy odal csed olkcedy yky kaiir okcedy otol ary aiin aiir oral okcegy oly okain olkaiin ody) North-Oriented Text (dceeeor oceepalain)	Rosettes #1-2 → #2 oteeos araly	Rosettes #1-2 → Stars #1 * al cedail sceekol okeody	#1 toceedy ceocpey qokcedy dol okald #8 toees ykeo csee* qokol ceey qokcedy	#1 otey dalar #8 ceoteey dary

Table 28.7: Mapping of 45° Angle Marker Groups on f69r to Rosettes #1-8 and Related Figure Types

Seasons	Rosette Mappings		Table 28.Rosette Zones	Table 28.6 Mappings	f69r Labeled Interior Bars
Spring	#8 New Moon 0°	Outer Ring (…otar…cseol…oqotam…) Jet Figure #4 (…otam…)	#8-1 #7-8		#15 okeo cseo qotam
					#14 ceodcey ceotal
	#7 Waxing Crescent	Outer Ring (…otedy qotedy…ceoky…oiin...) f67v2 West-Oriented Text (qokoais ocfcey) #7-8 Bridge #1 (soiiin dy) Left Label #8 (okydy)	#7-8 #6-7	f68r3 Star Divider #6 (kceoty oteey daiin dceeeody oteey) f68v3 Sides #4 (oceey ceekcey dkeeeg ceeekey teolkeceey saiir)	#13 dkocey cteody dy
				f68r3 #7 (dceey qokeey dceeey daiir otceal) f68v3 Stars #4 (ydaiil ol ceok okceyd)	#12 ceokeod okeey
				f68r3 Star Divider #6 (kceoty oteey daiin dceeeody oteey)	#11 okody ceeody sar
					#10 soir al okody otedy
Summer	#6 First Quarter 90°	#6-7 Bridge #1 (depceeky) Outer Ring (…olceedy…)	#6-7 #5-6	f68r3 Sides #4 (oceey ceekcey dkeeeg ceeekey teolkeceey saiir)	#9 ceor al ylcey ral
				Exterior Stars #6 (dar csees cseokey) f68r3 #5 (pceody qokcey dcseol dcsey otgoldl) f68r3 #4 (dceokcey csey okey oteos okol csey)	#8 dceokey csekceody al
	#5 Waxing Gibbous	Outer Ring (…keeody sarol…ody…ol ar…yky…) #4-5 Bridge #1-2 (okar, ly cseeal g) Compartment #8- (otos aiiin, otcedam)	#5-6 #4-5	f68v3 Stars #3 (yceeeo keey qokal okeeg) Sides #3 (qokeody okeey ceekcey ceckey okal ody ceedy)	#7 doceeeo kody sar
				f68r3 #4 (dceokcey csey okey oteos okol csey) f68v2 #5 (otceos alag cey) Exterior Stars #5 (okeey ceek ceekeys)	#6 okeos ar alg #5 sol aiir okey tam
Fall	#4 Full Moon 180°	#4-5 Bridge #1 (okar ol ceeky…) Compartment #1 (okar…) Outer Ring (okar ar okary…ceekaiiin…ceedam) Exterior #2 (…ykaral am…) Multi-Face Diagram #2 (okceos am)	#4-5 #3-4	Exterior Stars #5 (okeey ceek ceekeys) f68v3 Stars #2 (cseoekeary cseeky okol ceey okol dom)	#4 okeeo dal okas as #3 sair ceekey dair am
	#3 Waning Gibbous	Outer Ring #1 (...ceey…okar okar...okar…) Diagram Interior #3 (okcedy kary oraiiin cey) East-Oriented Text (oky dcseog oafoaly)	#3-4 #2-3	f68r3 Star Quadrant #3 (qokol cedceol qoteey ceo kecey okcedy) f68v2 Star Divider #2 (ycseesos ar csey) f68v3 Stars #2 (cseoekeary cseeky okol ceey okol dom)	#2 ceey ar cteor ary #1 okeeo ctey okar ar
					Separator
				f68v3 Sides #2 (okeol ceeody qo oleey oceeky eeody okcedy oko okos)	#22 dary dar aloly
Winter	#2 Last Quarter 270°	Outer Ring (…okeo lodaiin…) Multi-Face Diagram #1 (otararain) Grand Cross Jet Figure #1 (…ytar…)	#2-3 #1-2		#21 ykeceody otar
				Exterior Stars #2 (oteeos araly) f68r3 #8 (toees ykeo csee* qokol ceey qokcedy)	#20 okceol qokol daly
	#1 Waning Crescent	Outer Ring (…sar os…os al…okod okod okeo…yky…oly…) Bridge Top (daldal)	#1-2 #8-1	f68v3 Sides #1 (oceeol qoeey keody ceeoky okcey ceody dy oteem)	#19 doly dal dar ceyky
					#18 ykeey dal oky
				Exterior Stars #2 (oteeos araly) f68r3 #8 (toees ykeo csee* qokol ceey qokcedy)	#17 ykeeos al dair dar
				f68v3 Stars #1 (* al cedail sceekol okeody)	#16 okeodar oteody

Table 28.8: Remapping of the T-Squares

Position	f68v3	Rosette #2	Rosette #3 (Speculative)	f86v3	Pharmacological Section Figures	Time Period	Alternate #1	Alternate #2
#1 Left Side	otodol	okor	ofairy	Unlabeled	f99r #6 (okor) f102v2 #10 (okoroeey)	Capricorn-Pisces	Aries-Gemini	Taurus-Cancer
#2 Right Side	opceol dg	opcey	okalain	Unlabeled	f102v2 #11 Pine? (opcey) f102v1 #5 (opceytoy) – opcey toy? f102v1 #6 (ypceoldy) – ypceol dy?	Libra-Sagittarius	Cancer-Virgo	Leo-Libra
#3 Bottom Side	doar ykeol darol daly solaiin ckcey olekeey dy ykeol cteeepcey dar	osal	okcedy kary oraiiin cey	Unlabeled	f99r #4 (daly) Canister #25 f99v(darol aly) f102v1#7 Valerian Composite (losalody) f102v2 #12 (darol) f102v2 #15 (osair) f88r Line 1 #1 (osal)	Aries-Virgo	Libra-Pisces	Scorpio-Aries
Relevant Text Rings	okosy okcey okol ceoekey okeoeeey ol ykor otair or orol or keeey olkeeoly ykeeol	o*oar octcey odas aram ar keeody ocedor al oekairy ytodaro opal csey orar odar yky dar ykodar ykary opal ly	#1 olkar ceey kar cseal qokal okar okar otody otody otody otar cefol okcsey okom okar as okody okody okceegy ceekceedy ofcedor qotcedy kor cedar ceek olkocpe #2 ykd okees olceedy okal ykol otodar cseekal		f99r #10 (okolo) f99r #13 (oaso) f102v2 #10 (okoroeey)	Full Year?		
Other		Protrusion Exterior (kecey qol ceedar ar otedy cedaiin oty) Rosette #2 Bottom Exterior Label (okar oedody) Rosette #2 Castle #3 Lighthouse-Like (opoor daly)						
		Opposite to Rosette #6 Attachment (opacseeefcedy rar odair or oteoly) vs. (opacseeefcedy odar air d oteoly) Martian conjunctions						

Table 29.1: Top-Ranked Word Categories for the Balneological Section (f66r and f75r-f85v) of $w_N > 50$

				Section Affinity						
#	Category	Distinct Word Count	Word Count	0	1	2	3	4	5	6
	ceedy Relatives									
2	[dlrsmg] + c | c[s | fptk] + e4dy	20	327	-0.00563	-0.21470	-0.09187	0.34179	-0.06186	0.06366	-0.03141
3	c[s | fptk]e4dy	9	622	-0.00563	-0.16559	-0.08159	0.33847	-0.06315	-0.01196	-0.01054
7	c | c[s | fptk] + e4dy	35	1395	-0.00491	-0.13578	-0.07399	0.24428	-0.06009	0.03800	-0.00751
9	edy	538	4981	-0.00543	-0.15046	-0.07960	0.20865	-0.06316	0.08554	0.00446
12	c + e4dy	387	3053	-0.00530	-0.13764	-0.07888	0.19335	-0.06208	0.07884	0.01171
16	ce4dy	8	755	-0.00430	-0.10878	-0.07099	0.17433	-0.06003	0.07877	-0.00901
17	ed[yoa]	940	5851	-0.00546	-0.14962	-0.07385	0.16943	-0.06302	0.10861	0.01389
36	[fptk] + c | c[s | fptk] + e4dy	19	196	-0.00563	-0.04421	-0.09389	0.09846	-0.06798	0.07830	0.03495
80	c | cs + e0-4d	26	89	-0.00563	-0.08072	-0.09286	0.00375	-0.06798	0.21554	0.02790
	Baths									
5	o[fptk]e4dy	56	1444	-0.00563	-0.16609	-0.08055	0.24903	-0.06590	0.08057	-0.01144
	Temperature/Moisture?									
23	[tk]e4dy	43	309	-0.00563	-0.11298	-0.10086	0.14284	-0.06474	0.18070	-0.03934
	Problem/Disease Hierarchy									
20	o[dlrs]ce4y Superset	90	196	0.00458	-0.05441	-0.03777	0.16478	0.00855	-0.06456	-0.02117
47	okce0-4dy	15	188	-0.00563	-0.11336	-0.06686	0.05742	-0.05202	0.12009	0.06035
56	opce0-4dy	17	159	-0.00563	-0.16213	-0.09781	0.03287	-0.06169	0.24317	0.05122
59	o[fptk]c + e0-4dy	66	554	-0.00563	-0.11912	-0.07883	0.02935	-0.06076	0.16700	0.06797
62	ofc + e0-4 + y | dy | o[dlrs]y	35	65	-0.00563	0.09041	0.03436	0.02813	-0.06798	-0.09423	0.01493
68	ofc + e4 + y | dy | o + [lr] Superset	39	75	-0.00563	0.06579	0.02924	0.01274	-0.02798	-0.07884	0.00468
	Small Unassigned Section 3 Categories									
31	[yo][fptk]e4d	21	60	-0.00563	-0.19421	-0.05410	0.11274	-0.06798	0.22116	-0.01199
73	a[dlrsmg]c	66	91	-0.00563	-0.04146	0.11568	0.01054	-0.02402	-0.02610	-0.02902
79	o[fptk][dlrsmg]	49	68	-0.00563	-0.11774	-0.05998	0.00392	-0.03857	0.10351	0.11448
	Anatomical Target/Cause									
1	olcey relative	84	277	-0.00563	-0.17146	-0.09688	0.35787	-0.02105	-0.04058	-0.02228
4	olcey relatives (non -edy)	47	138	-0.00563	-0.12754	-0.08960	0.27651	0.00449	-0.02522	-0.03301
14	olk	187	557	-0.00563	-0.19008	-0.06460	0.18438	-0.04284	0.04611	0.07266
15	ol[tk]	234	621	-0.00563	-0.17665	-0.05579	0.17989	-0.04543	0.03033	0.07327
21	olt	48	65	-0.00563	-0.06344	0.01898	0.15120	-0.06798	-0.10961	0.07647
26	ol[dtk]	340	842	-0.00325	-0.08756	-0.04947	0.12984	0.01160	-0.04369	0.04252
30	[fptk][yo]lc	42	53	-0.00563	-0.14326	-0.06636	0.11463	0.06410	0.09851	-0.06199
	Other Suspected Liquid Ingredients									
8	cectey relatives	24	197	-0.00563	-0.03532	-0.06349	0.23406	-0.05782	-0.03011	-0.04169
10	ceckey relatives	32	377	-0.00297	-0.05017	-0.09349	0.20797	-0.04145	0.01824	-0.03812
11	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	83	623	-0.00402	-0.04060	-0.07842	0.19798	-0.04390	0.00045	-0.03149
41	cse4y	9	578	0.00129	-0.04680	-0.02105	0.08091	0.00815	-0.00549	-0.01701
63	ce4y	5	737	-0.00020	-0.01062	-0.01590	0.02034	0.00122	0.03323	-0.02807
71	[fptk | dlrsmg] + c | c[s | fptk] + e4y	87	2060	0.00505	0.07181	-0.02983	0.01080	0.00484	-0.03613	-0.02655
76	c + c[s | fptk]e4y	26	1624	0.00484	0.04939	-0.02220	0.00794	0.02008	-0.03131	-0.02874
	Sensory Hierarchy?									
25	ety	30	93	-0.00563	0.02837	0.00343	0.13532	-0.01421	-0.11755	-0.02973
33	et[yo]	45	115	0.00307	0.07101	0.00895	0.09970	-0.01580	-0.13971	-0.02721
39	eky	40	217	-0.00102	0.03759	0.01111	0.09385	-0.02189	-0.07147	-0.04817
46	ek[yo]	65	255	-0.00170	0.05873	0.01355	0.06372	-0.00523	-0.08277	-0.04630
51	et[yoa]	90	186	0.00513	0.00687	0.01956	0.04930	-0.02497	-0.02078	-0.03511
69	ek[yoa]	137	446	-0.00338	0.05108	0.01922	0.01229	-0.02089	-0.02324	-0.03509
	Color/Diagnostic Criteria									
52	[yo]c + e4dy	45	110	-0.00563	-0.13057	-0.04955	0.04911	-0.04070	0.10297	0.07437
78	[yo]cse4y	24	57	0.04701	0.02158	0.00117	0.00572	-0.05043	-0.05077	0.02573
	Remedy/Solution Hierarchy									
27	okal variants	54	544	-0.00379	-0.13428	0.12201	0.12892	-0.04959	-0.06377	0.00051
40	o[fptk]ai4n	91	1598	0.00063	-0.13150	-0.06154	0.08684	-0.05609	0.14982	0.01185
55	a-axis of [yo][fptk][ao][lr]	218	1731	-0.00274	-0.11801	0.08308	0.03400	-0.03909	0.01289	0.02986
65	otal variants	43	333	-0.00563	-0.15607	0.14215	0.01695	-0.02593	0.01545	0.01308
	Pipe/Flow/Queue									
28	o[lr]o	155	274	-0.00198	0.04521	-0.04205	0.12296	-0.00228	-0.09636	-0.02549
29	ol[yo]	169	388	-0.00563	0.00218	0.06601	0.12202	0.01965	-0.16544	-0.03880
37	o[lr][yo]	268	583	-0.00048	0.01283	0.03655	0.09576	0.03322	-0.14677	-0.03112
42	aro[dlrsmg]	56	105	-0.00563	-0.16087	0.01971	0.07941	0.02726	0.03544	0.00468
43	o[lr]y	121	318	0.00066	-0.00804	0.10030	0.07375	0.06410	-0.19394	-0.03683
44	ol[yoa]	259	614	-0.00563	-0.06619	0.10926	0.06681	0.03137	-0.11109	-0.02453
50	or[yo]	103	200	0.00937	0.03079	-0.02410	0.05274	0.05702	-0.10884	-0.01699
53	ol[oa]	187	401	-0.00563	-0.06977	0.09291	0.03968	0.02180	-0.05939	-0.01960
58	o[lr][yoa]	450	1044	-0.00275	-0.05474	0.06257	0.03113	0.05271	-0.08344	-0.00548
61	dairol/soral relatives	113	190	-0.00563	-0.13631	0.13274	0.02853	0.05308	-0.08937	0.01696
66	o[lr][oa]	337	735	-0.00427	-0.07108	0.04420	0.01410	0.04767	-0.03803	0.00740
74	[ao][lr][ao][lr] Pipe/Flow	440	843	-0.00444	-0.11627	0.11892	0.00966	0.01031	-0.02499	0.00681
	Temporal Concepts?									
57	oke0-4y	102	1314	-0.00487	-0.08036	0.00473	0.03268	0.02639	0.05601	-0.03459
72	o[tk]e0-4y	172	2042	-0.00318	-0.05180	0.02813	0.01059	0.00254	0.03800	-0.02428
	Double-Vowel Pharmacologicals									
19	[q | fptk | dlrsmg] + oi0-4[lr]	29	1819	-0.00178	-0.04022	-0.06177	0.16678	0.02163	-0.09523	0.01058
32	oi4[dlrsmg | n]	13	1124	-0.00029	-0.05488	-0.04360	0.10100	0.02010	-0.07778	0.05545
35	[dlrsmg | fptk] + oi4[dlrsmg | n]	55	809	0.00303	0.05437	-0.06207	0.09952	0.05687	-0.11568	-0.03603
64	oi4n	4	58	0.01162	-0.13903	-0.00065	0.01964	0.08720	0.01426	0.00697
	Prefixes									
6	lc-initial	100	457	-0.00563	-0.23075	-0.09972	0.24819	-0.05485	0.18505	-0.04230
13	[sr]c-Initial	94	179	0.01113	0.02982	-0.05940	0.18704	-0.02328	-0.12801	-0.01730
18	qo variants	5	59	-0.00563	0.01088	-0.07020	0.16867	-0.01713	-0.02461	-0.06199
22	l[drs] Prefixes	27	95	-0.00563	-0.14684	-0.06199	0.14958	-0.04692	0.08958	0.02222
24	so	132	378	-0.00298	-0.00585	-0.00621	0.14078	0.05636	-0.15186	-0.03024
49	sc-initial	57	103	0.01379	0.18152	-0.02643	0.05546	-0.01943	-0.20117	-0.00374
	Suspected Verbs									
34	sai4n	6	258	0.00213	-0.04227	-0.04983	0.09956	0.01729	0.00023	-0.02711
45	[dlrsmg]ai4[lr]	18	875	0.00466	-0.02449	0.05362	0.06417	0.01202	-0.11884	0.00887
48	rai4n	3	115	-0.00563	-0.20725	-0.07801	0.05622	-0.03319	0.31246	-0.04460
54	[dlrsmg] + ai4[lr] + y-suffix	20	1035	0.00404	-0.02657	0.05726	0.03690	0.01608	-0.09913	0.01144
60	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	40	222	0.00789	-0.09601	0.15266	0.02896	-0.00041	-0.07614	-0.01695
70	[dlrsmg | fptk] + ai4[dlrsmg]	63	1444	0.00130	-0.00335	0.04410	0.01150	0.00751	-0.07801	0.01696
	Other Connectives									
38	c | cs + e0-4l	21	64	-0.00563	-0.07546	-0.04160	0.09399	-0.05235	0.14303	-0.06199
67	Consonant Clusters	35	115	0.00307	-0.05073	0.02634	0.01274	-0.05928	0.05159	0.01627
75	c | cs + e0-4[dlrsmg]	91	281	-0.00207	-0.04154	0.04181	0.00847	-0.03595	0.03788	-0.00861
77	[dlrsmg]e0-4y	10	453	0.00100	0.16937	0.04381	0.00700	-0.01058	-0.19717	-0.01343

Table 29.2: Distribution of o[fptk]c + e^{0-4}dy Members within Section 3, Ordered by Individual Page Word Shares

Rank	Folio	Local Count	Page Word Count	Page Word Share	Words
1	f83r	18	346	0.05202	opcsedy, qopceedy, qokcseedy, qokcedy, qofcsedy, qopceedy, qokceedy, qokcseedy, qotceedy, qokcedy, opcseedy, otcsedy, qokceedy, otceedy, qotceedy, qokceedy, otcedy, qokcedy
2	f79r	12	388	0.03093	otceedy, ykceedy, qokcseedy, qotcsedy, opceedy, otceedy, otcseedy, qokcseedy, qokcedy, opceedy, qotcseedy, otcsedy
3	f66r	7	323	0.02167	opceedy, ykcseedy, qokceedy, otceedy, otcedy, ykcedy, qotceedy
4	f79v	7	354	0.01977	qokcseedy, opceedy, ofcedy, otcsedy, ofceedy, opceedy, okceedy
5	f75v	7	360	0.01944	opceedy, opceedy, qokcedy, cseokcsedy, qotcedy, otcedy, qokcedy
6	f81r	4	207	0.01932	opceedy, ofcsedy, qopceedy, qokceedy
7	f84r	7	367	0.01907	ykcsedy, otcseedy, qokceedy, qotceedy, oqofceedy, otcedy, otceedy
8	f78v	5	288	0.01736	ofceedy, qokcedy, opceedy, opceedy, opceedy
9	f78r	5	297	0.01684	qopceedy, qokcedy, ofceedy, qopceedy, qotceedy
10	f75r	7	420	0.01667	qokcedy, qokcedy, qokcsedy, qokcedy, okcedy, otcseedy, qokcseedy
11	f76r	9	558	0.01613	opcsedy, opcedy, qokcedy, qopceedy, otcseedy, opceedy, qokcedy, opcedy, qopceedy
12	f81v	4	261	0.01533	okcseedy, qofceedy, qokcedy, okceedy
13	f83v	4	266	0.01504	opceedy, qotcedy, okcedy, okcedy
14	f84v	4	344	0.01163	qokcseedy, ofceedy, yfceedy, okcedy
15	f80v	4	388	0.01031	qokcedy, qokcedy, qopcseedy, qopcseedy
16	f76v	4	396	0.01010	qopcedy, otceedy, qokcseedy, opceedy
17	f82v	3	328	0.00915	qotcseedy, otcseedy, opceedy
18	f82r	2	289	0.00692	ceopceedy, qokcedy
19	f80r	3	449	0.00668	okcedy, otceedy, opceedy
20	f77r	2	325	0.00615	qopceedy, qopceedy
21	f77v	2	335	0.00597	qopcseedy, qokceedy

Table 29.3: Distribution of [yo]c + e4o Superclass and [yo]c + e4dy Members within Section 3, Ordered by Individual Page Word Shares

Rank	Folio	Local Count	Page Word Count	Page Word Share	Words
1	f82r	4	289	0.01384	qocseedy, octeeol, qocsedy, loceedy
2	f81r	2	207	0.00966	yceedy, ocseeedy
3	f66r	3	323	0.00929	tocseeo, ycseeeod, qocteedy
4	f77v	3	335	0.00896	yceeedy, yceedy, dyceedy
5	f83r	3	346	0.00867	qockeol, cseocpeedy, oceeol
6	f80v	3	388	0.00773	yceeol, yceedy, ycseedy
7	f76v	3	396	0.00758	opakor, oceedy, qockeedy
8	f75r	3	420	0.00714	ycseedy, ycseedy, ycseeor
9	f78v	2	288	0.00694	ycseedy, yceeolk
10	f79v	2	354	0.00565	yceedy, ycseedy
11	f80r	2	449	0.00445	octeor, ofaloir
12	f81v	1	261	0.00383	ocseedy
13	f82v	1	328	0.00305	ycseedy
14	f84v	1	344	0.00291	oceedy
15	f75v	1	360	0.00278	yceeedy
16	f84r	1	367	0.00272	ycseedy
17	f79r	1	388	0.00258	ycseedy
18	f76r	1	558	0.00179	ycseeedy

Table 29.4: Distribution of ol[fptk] Members within Section 3, Ordered by Individual Page Word Shares

Rank	Folio	Local Count	Page Word Count	Page Word Share	Words
1	f80v	30	388	0.07732	dolfceedy, olkain, olkeedy, tolpcey, olteedy, olky, olkain, olkal, olkedy, olpockey, olty, poltecseol, olkar, oltaiin, olkain, olkain, olkeeol, olkain, qolky, olkain, solkain, olky, qolkain, olkain, olkain, oltain, olkar, olky, olkcey, olkal
2	f81r	12	207	0.05797	olpceedy, olkal, olkedy, oltedy, olpceedy, olkeey, olkedy, olkaiin, olkar, olkaiin, olkcsedy, olkedy
3	f82v	19	328	0.05793	olkeedy, olfceedy, ceolkaiin, olkeedy, qolkedy, olkain, qolkcseey, olkeedy, olkaiin, olkair, olkeedy, qolkain, olkain, qolkeey, olkain, olkol, olkain, olkeey, olkol
4	f80r	26	449	0.05791	qopolkain, oltoiin, solkain, ceeoltain, solky, olkar, olkam, oltain, olkain, olkeey, olky, olkaiin, olkain, pceeolkal, olkol, olkeey, olkeey, olkeeey, olky, tolkain, olkain, olkain, olkeey, olky, soltlcseey, olky
5	f79v	20	354	0.05650	olkory, qolkeedy, olky, qolkeedy, olkam, qoltedy, olkeey, olkcseey, olkeedy, olkeedy, olkain, olkey, tolkey, olkain, olkey, olkair, olkeey, oltcsesey, olkeeey, olkeey
6	f83v	12	266	0.04511	olkedy, olkcseedy, rolkeedy, olkar, qolky, olkeedy, solkeedy, qolkeedy, qolteedy, cseeolkain, olkeedy, ceeolkain
7	f78v	12	288	0.04167	olfceedy, lolkedy, olkeey, olkain, yceeolk, olkeedy, qolkecsedy, olkedy, olkecseey, oltarolkaiin, olkain, oltal
8	f81v	9	261	0.03448	olkain, olkeedy, solkeey, qolky, olkain, olkeol, olkeedy, olkeedy, olkal
9	f84v	11	344	0.03198	olkeey, olkeedy, olkcey, dolkedy, solkes, oltaiin, olkain, qolkeedy, olkal, olkeey, olkedy
10	f79r	12	388	0.03093	olkl, qolkeey, qolkeedy, olteedy, olkaiin, oltcseedy, olkeeey, polkeey, olky, olkal, oltcseey, olkeey
11	f75v	11	360	0.03056	olkcey, olkey, olked, olkain, olkedy, kolkedy, qolkcey, solkedy, olkol, olkedy, olkedy
12	f84r	11	367	0.02997	olkedy, qolkeey, olkey, olky, qsolkeedy, olkedy, olkedy, olkedy, olkeedal, olky, olkeedy
13	f78r	8	297	0.02694	olkedy, olkedy, olkain, tcedoltdy, olkeey, olkee, olkain, solkeedy
14	f76v	9	396	0.02273	ceolkeeey, olkedy, solkeey, olkeey, qolkeeey, olkeey, qolkeedy, olkedy, qolkey
15	f77v	7	335	0.02090	qolky, qolkaiin, olky, olkaiin, oltedy, solkceedy, olkeedal
16	f83r	7	346	0.02023	olkeedy, olkeey, solkeedy, solkeedy, solkey, qolkain, solkeey
17	f75r	7	420	0.01667	olky, olkeey, qolkary, olkar, solkedy, olkedy, olkeedy
18	f77r	5	325	0.01538	olkedy, solteedy, qolkain, solkeey, olkoes
19	f66r	4	323	0.01238	ceolpced, cseolfos, solf, olkeol
20	f76r	6	558	0.01075	qolp, olkeey, olky, olkal, kolpy, olkedy
21	f82r	2	289	0.00692	solkaiin, olkoky

Table 29.5: Rosette #1-2 and #8 Zone Mappings to f75r Figures

f75r Pool #1 Nymphs	Rosette #8 Line	Rosette #1 Compartments	Rosette #2 Line	Other Rosettes
#1 (sal okeedy)	#8 Outer Ring (…okedy…okeedy)	#4 (okedy)	#2 Outer Ring (…okeedy…ykeedy…)	#4 Compartment #1 (…daiiin okeedy…), #2 (…qokedy qokedy…) #5 Compartment #5 (okedy) #6 Compartment #8 Label #5 (okedy)
#2 (daly yoeey)	Exterior Label #2 (yoe *as) Exterior Label #6 (sceedoy olal) Outer Ring (…qoeey…) f57v Hand-Raiser #4 (otar daly)	#3 (docfcey) – originally docfoey	#2 Castle #3 Lighthouse-Like (opoor daly)	
#3 (sols daro)	Smokestack (orarol) f57v dairol		Interior Ring (…ytodaro…) f68v3 (#3 doar ykeol darol daly solaiin ckcey olekeey dy ykeol cteeepcey dar)	#9 Center #16 (ddaro)
#4 (yoety)	Exterior Label #2 (yoe *as) Outer Ring (…oto…)		Protrusion Exterior (…oty)	#7 Outer Ring (…oty daiiin…)
#5 (saiino)		#2 (daiiny)		
#6 (saldy)	#7-8 Bridge Interior #3 (daldar) f67v2 Diagram Center #4 (askaldy)	#8-1 Bridge Bottom (daraldy) #8-1 Bridge Top (daldal)	Outer Ring (…sarald…)	#5 Outer Ring (…alo saldan…)
#7 (dainy)		#2 (daiiny)		

Table 29.6: Rosette Zone Mappings to f75v Figures

f75v Pool #3 Nymph	Rosette #8	Rosette #1	Rosette #2	Rosettes #7 and #3	Rosettes #4-6
#1 (okcsey saral)	#8-1 Bridge Bottom (daraldy)		Outer Ring (…sarald…) f68v1 Exterior Stars #2-3 (oteeos araly, okecedaral) in line with Rosettes #1-2 and #2-3	#7 Left Label #4 (okcey) #7 Outer Ring (…olkoaiiin okal…) #3 Outer Ring #1 (olkar…qokal…okcsey…olkocpe) and #2 (…okal…) f67v2 Diagram Interior #2 (okalain)	f68r3 Star Quadrant #6 Star #2 (daral l) in line with #6 weak though; not an exact match, unlike sarald #4 Compartment #1 (…qokcey…)
#2 (dokal darol) #4 (dalkar qokal)	#8 Outer Ring (…okalol…) f57v dairol	#1 Outer Ring (…okal okal…ykal…) f68r3 #1 (…okald…)	#2 Interior Ring (...ytodaro...) f68v3 Diagram Center #3 (...darol...) f67v2 Diagram Center #1 (oralaror)		*** #4-6 only on the okal, not the aro #6 Outer Ring (… otedy…olceedy okal m…) #5-6 → Stars #3 yceeeo keey qokal okeeg Rosette #4-5 → Sides #3 qokeody okeey ceekcey ceckey okal ody ceedy #5 Compartment #2 (okalar) #5 Outer Ring (…otedy…okal okalar) #4 Compartment #7 (opced opcedy qokal) #4 Outer Ring (…okalol…) Diagram Center #2 (okaly) Protrusion #3 (oar ykaly cear)
#3 (daldy dalcsed)	#7-8 Bridge Interior #3 (daldar) f67v2 Diagram Center #4 (askaldy)	#8-1 Bridge Bottom (daraldy) #8-1 Bridge Top (daldal)	#2 Outer Ring (…sarald…)		#5 Outer Ring (…alo saldan…)
#5 (dly ory)		#1 Quadrant #10 (okory) - weak			#6-7 Bridge Interior East (odl) #4 Compartment #1 (… qokcey cefcedy ory…)
#6 (oty loey)	Exterior Labels #2 (yoe *as) and #6 (sceedoy olal) Outer Ring (…oto…qoeey…) f57v Hand-Raiser #4 (otar daly)	#1.3 (docfcey) – originally docfoey	Protrusion Exterior (…oty)	#7 Outer Ring (…oty daiiin…) see loly, loety on f84r	#6 Compartment #8 Label #2 (lokedcses) weak, only on *lo*
#7 (dary dal)	f68v3 Stars #4 (ydaiil ol ceok okceyd) in line with #7-8? vs. f57 dairol	odal in the Outer Ring?	#2 Interior Ring (...ytodaro...), Diagram Center #1 (oralaror) f68v3 Diagram Center #3 (...darol...)	#7 Outer Ring (...odal…olkoaiiin okal…)?	
#8 (daldy qoted)	Outer Ring (…otdar…oteed oteedy…) #7-8 Bridge Interior #3 (daldar) f67v2 Diagram Center #4 (askaldy)	otedy in #1 Outer Ring, #8-1 Bridge Bottom (daraldy) #8-1 Bridge Top (daldal)	Outer Ring (…oteoteedy otod…sarald…) otedy in #2 Protrusion Exterior	Outer Ring (…otedy qotedy…)	#6 Outer Ring (…otedy…) #6 Compartment #7 (otedy oparom) #5 Outer Ring (…olky…alo saldan…otedy…okal okalar) and Compartments #7, #10 (oteedy, otedy) #4 Compartment #4 (…oteedy…) #4 Outer Ring (…otedy…)
#9 (rkal ykedy)	Outer Ring (…okedy…okeedy)	Quadrant #4 (okedy)	Outer Ring (…okeedy…ykeedy…)		okedy in #6 Compartment #8 Label #5 and #5 Compartment #5 okeedy and qokedy qokedy in #4 Compartment #1-2
#10 (olkcey otoly)	#8 Outer Ring (…olkeeodaiin…)	Outer Ring (…okal okal…ykal…otedy …odal…**olkcedy**…otol …oly …olkaiin…)	#2 Castle #4 On Bridge to #3 (otcedy otoldy)	#7 Outer Ring (…ceeolky…olkoaiiin…) #3 Outer Ring Sentence #1 (olkar…olkocpe)	Exterior Attachment (…oteoly) closest to otoly #6 Outer Ring (…olkaiin…) #4 Compartment #5 (otol ar das l cedy) #4 Outer Ring (… olkar…) #5 Outer Ring (…olky…)

Table 29.7: Rosette #4-6 Zone Mappings to f84r Figures

f84r Pool #17 Nymphs	f84r Paragraphs	Rosette #6 Line	Rosette #5	Rosette #4	Other
#1 (ololal)	#1 olar, #3 olor, #5 alol	to oloeedy in Outer Ring in Version #29	Outer Ring (…ol ar…)	Compartment #4 (…oteedy olaiiin…)	#7 Outer Ring (…olor …oiin…okal…) #8 Exterior Label 6 (sceedoy olal) #2 Outer Ring (…olar…ykeedy…olar) Protrusion #2 (oeolales airar) in line with #2
#2 (or cseekar)	#5 cseekar, #4 cseekam		South-Oriented Text (ceekais okolarm)	Outer Ring (…ceekaiiin or…)	#3 Outer Ring Sentence #2 (…cseekal) #2 Outer Ring (…cekar…) #7 Outer Ring (…ceekaj…)
#3 (ydy)	no [yo]dy	Exterior Label #1 (ofodydy)			#7 Left Label #8 (okydy)
#4 (okedy)	32 [yo]ke$^{1-4}$dy relatives across all 5 paragraphs	#8 Label #5 (okedy)	Compartment #5 (okedy)	Compartment #1 (…okeedy…okol cseeey…), #2 (…qokedy qokedy…)	#1 Quadrant #4 (okedy) #2 Outer Ring (…okeedy…ykeedy…) #8 Outer Ring(…okedy…okeedy)
#5 (loly)	#5 alol, #2 oly, #4 oly, also lkol	Compartment #8 Label #6 (loltody) originally Attachment (…oteoly)			#1 Outer Ring (…otol …oral…oly…) f69r #19 (doly dal dar ceyky) in line with #1-2 f69r #22 (dary dar aloly) in line with #3
#6 (doiin)	none			Outer Ring (…okees oiiin…)	#7 Outer Ring (…oiin…) #7-8 Bridge #1 (soiiin dy)
#7 (olcsey)	#1 olcseed, #2 olceey, #3qolceey, #4 (…olceedy…olceetey…ol ceckey olcedy…), #5 (…olcedy…olcsedy…olcectey…)	Outer Ring (…olceedy okal m…) f69r #9 (ceor al ylcey ral)			#3 Outer Ring Sentence #2 (ykd okees olceedy okal ykol otodar cseekal)
#8 (otedy)	19 [yo]te$^{1-4}$dy relatives across all 5	Compartment #7 (otedy	Compartment #7 (oteedy)	Compartment #4	#7 Outer Ring (…otedy qotedy…)

	paragraphs	oparom) Outer Ring (…otedy…)	Compartment #10 (otedy) Outer Ring (…otedy…)	(…oteedy…) Outer Ring (…otedy…)	f69r #10 (soir al okody otedy) in line with #7 otedy in #1 Outer Ring, #2 Protrusion Exterior #2 Outer Ring (…oteoteedy otod…) #8 Outer Ring (…oteed oteedy…)
#9 (lkol)	none except loly above	Compartment #8 Label #6 (loltody) originally			
#10 (okolcsey)	#4 qokol ceedy, #5 qokol	f68r3 #4 (dceokcey cseey okey oteos **okol csey**) in line with #5-6	#5 Waxing Gibbous South-Oriented Text (ceekais okolarm) f68r3 #4 dceokcey cseey okey oteos (**okol csey**) in line with #5	Compartment #1 (…**okol cseeey…**) f68r3 Quadrant #4 Stars #1 (**okol cey**) Rosettes #3-4 → Stars #2 (cseoekeary cseeky **okol ceey** okol dom)	#3 Outer Ring #2 (...okal ykol...) f68r3 #3 (qokol cedceol qoteey ceo kecey okcedy) in line with #3 #7 Outer Ring (… qokeol…) Exterior #4 (okeol...okol dam...) in line with #8 ------ #1 Outer Ring (... okeo ldy...) f68r3 #8 (toees ykeo csee* **qokol ceey** qokcedy) in line with #1 ------Rosette #2 and f68v3 f69r #20 (okceol qokol daly) in line with #2 Rosettes #2-3 → Sides #2 (okeol...) f68v3 Diagram Center #3 (#3 doar ykeol darol daly solaiin ckcey olekeey dy ykeol cteeepcey dar) f68v3 Inner Ring (okosy okcey okol ceoekey okeoeeey ol ykor otair or orol or keeey olkeeoly ykeeol)
#11 (otoly)	#3 qotol	Exterior Attachment (…oteoly)		#4 Compartment #5 (**otol** ar **das l cedy**)	#1 Outer Ring (… **otol**…) #2 Castle #4 On Bridge to #3 (otcedy otoldy) Exterior #1 (…otoly…) in line with #2
#12 (dcseedy)	#5 dcseedy (2x)				#2 Outer Ring (…dceedy okeedy…)
Pool #17-18 Stream #1-2 (okaly cseey)	8 qokal or okal relatives across all 5 paragraphs, including #3 (…okaly ceey okal ceedy…okal cseey…)	Outer Ring (… otedy…olceedy okal m…) #5-6 → Stars #3 yceeeo keey qokal okeeg #4-5 → Sides #3 qokeody okeey ceekcey ceckey okal ody ceedy	#5 Compartment #2 (okalar) Rosette #5 Outer Ring (…otedy…okal okalar)	#4 Compartment #7 (opced opcedy qokal) #4 Outer Ring (…okalol…) Diagram Center #2 (okaly) Protrusion #3 (oar ykaly cear)	#3 Diagram Interior #2 (okalain) #1 Outer Ring (…okal okal…ykal…) f68r3 #1 toceedy ceocpey qokcedy dol okald in line with Rosette #1 qokal and okal in #3 Outer Ring Sentences #1-2 #7 Outer Ring (…olkoaiiin okal…) #8 Outer Ring (…okalol…)

Table 29.8: Rosette Zone Mappings to f82r Figures

f82r Pool #15 Nymph	Rosette #6	Rosette #5	Rosette #4	
#1 (okar) #4 (okairajy)	Compartment #3 (okar am al)	Outer Ring (…okair …)	Compartment #1 (okar…) #4 Outer Ring (okar ar okary…) #4-5 Bridge #1 (okar)	#1 Outer Ring (…okair…) #2 Bottom Exterior Label (okar oedody) #2 Interior Ring (…oekairy…ykary…) #3 Outer Ring Sentence #1 (…qokal okar okar…okar…)
#2 (okal) #3 (okaldy)	Outer Ring (… okal m…)	Outer Ring (…otedy…okal okalar) Compartment #2 (okalar) #5-6 → Stars #3 yceeeo keey qokal okeeg #4-5 → Sides #3 (…okal…)	Compartment #7 (opced opcedy qokal) Outer Ring (…okalol…) Diagram Center #2 (okaly) Protrusion #3 (oar ykaly cear)	#1 Outer Ring (…okal okal…ykal…) f68r3 #1 toceedy ceocpey qokcedy dol okald in line with Rosette #1 #3 Diagram Interior #2 (okalain) qokal and okal in #3 Outer Ring Sentences #1-2 #7 Outer Ring (…olkoaiiin okal…) #8 Outer Ring (…okalol…)
#5 (sorosl)			#4 Outer Ring (…oror)	f68v3 Inner Ring (…okol…orol …ykeeol) in line with #2
#6 (olkoky)	Outer Ring (…olkaiin…)	Outer Ring (…olky…)	Outer Ring (… olkar…) #4 Compartment #3 (dor oky soa)	#1 Outer Ring (…olkcedy…olkaiin…) f85r2 Quadrant #1 (...ockedor olkor cseoral) in line with #2 #3 Outer Ring Sentence #1 (olkar…olkocpe) #8 Outer Ring (…olkeeodaiin…) ---------- #7 Outer Ring (…ceeolky…olkoaiiin…) #7 Left Label #8 (okydy) #7 Outer Ring (… ceoky…)
#8 (sokoly)		#5 Waxing Gibbous South-Oriented Text (ceekais okolarm) f68r3 #4 dceokcey cseey okey oteos okol csey in line with #5	#4 Compartment #1 (…okol cseeey…) f68r3 Quadrant #4 Stars #1 (okol cey) in line with #4 Rosettes #3-4 → Stars #2 (cseoekeary cseeky okol ceey okol dom) and f68r3 #3 (qokol cedceol qoteey ceo kecey okcedy) in line with #3	#3 Outer Ring #2 (...okal ykol...) #7 Outer Ring (… qokeol…) Exterior #4 (okeol...okol dam...) in line with #8 ------ #1 Outer Ring (... okeo ldy...) f68r3 #8 toees ykeo csee* qokol ceey qokcedy in line with #1 ------Rosette #2 and f68v3 f69r #20 okceol qokol daly in line with #2 f68v3 Diagram Center #3 (#3 doar ykeol darol daly solaiin ckcey olekeey dy ykeol cteeepcey dar) f68v3 Inner Ring (…okol…orol …ykeeol) Rosettes #2-3 Sides #2 (okeol...)
#9-10 (dolol, olaiiin)			#4 Compartment #4 (…olaiiin…)	#7 Outer Ring (…olor…olaiiin)
#11 (okeeos)		f69r #6 (okeos ar alg) in line with #5		f69r #17 (ykeeos al dair dar) in line with #1 ---------- Rosette #2 Outer Ring (okos…) f68v3 Inner Ring (okosy...) Quadrant #2 Stars #1 okos #2 okory in line with Rosette #2 f68v3 Sides #2 (okeol ceeody qo oleey oceeky eeody okcedy oko okos) Rosettes #2-3 → Sides #2 okeol ceeody qo oleey oceeky eeody okcedy oko okos ---------- #8 Outer Ring (…okos ol om…okor…)
f82r Shower #1-2 (daror, darory)				Diagram Center #1 (oralaror) in line with #2 ---------- Rosette #2 Interior Ring (...ytodaro...) f68v3 Diagram Center #3 (...darol...) f57v dairol in line with Rosette #8
f82r Tube #1 (orol daiin)		#4 Outer Ring (…oror)		f68v3 Inner Ring (…okol…orol …ykeeol) in line with #2

Table 29.9: Rosette Zone Mappings to f82v Figures

f82v Nymph	Rosette #7	Rosette #6	Rosette #5	Rosette #4	Rosettes #8 and #1-3
#1 (otecedy)	Left Label #3 (otcedy) Outer Ring (…otcedor…)	Compartment #6 (otcedy otody) Outer Ring (otcedaiiin…)	Compartment #9 (otcedam) Outer Ring (…otcedy otcegaiiin otedy…)		#2 Castle #4 On Bridge to #3 (otcedy otoldy) #3 Outer Ring Sentence #1 (…qotcedy…)
#2 (otedy)	Outer Ring (…otedy qotedy…)	Compartment #7 (otedy oparom) #6 Outer Ring (…otedy…)	Compartment #7 (oteedy) Compartment #10 (otedy) Outer Ring (…otedy…)	Compartment #4 (…oteedy…) Outer Ring (…otedy…)	otedy in #1 Outer Ring, #2 Protrusion Exterior #2 Outer Ring (…oteoteedy otod…) #8 Outer Ring (…oteed oteedy…)
#3 (otedal)	Outer Ring (…okedal…oteedaiiin…otcedor…) Left Label #1 (otedal) #7-8 Bridge Interior #1 (ytedar)	Compartment #8 Label #4 (ytedaiiin) Outer Ring (…otodar otegar…okedol…) f85r2 Quadrant #3 (…ytedar…) in line with #6	Outer Ring (okedair…okedaiiin…okedal…otc egaiiin…)	Outer Ring (…okedaiin…) f85r2 Quadrant #2 (…qotedar…) in line with #4	
#4 (okal cey)	Outer Ring (…olkoaiiin okal…)	Outer Ring (… otedy…olceedy okal m…) Rosette #5-6 → Stars #3 (…qokal…) Rosette #4-5 →Sides #3 (…okal…)	Compartment #2 (okalar) Outer Ring (…otedy…okal okalar)	Compartment #7 (opced opcedy qokal) Outer Ring (…okalol…) Diagram Center #2 (okaly) Protrusion #3 (oar ykaly cear)	#3 Diagram Interior #2 (okalain) #1 Outer Ring (…okal okal…ykal…) f68r3 #1 (toceedy ceocpey qokcedy dol okald) in line with Rosette #1 qokal and okal in Rosette #3 Outer Ring Sentences #1-2 #8 Outer Ring (…okalol…)
#5 (olkeedy)	Outer Ring (…ceeolky…olkoaiiin…)	Outer Ring (…olkaiin…)	Outer Ring (…olky…)	Outer Ring (… olkar…)	#1 Outer Ring (…olkcedy…olkaiin…) #3 Outer Ring Sentence #1 (olkar…olkocpe) #8 Outer Ring (…olkeeodaiin…)
f82v Pool #16 (oteedy)	#7 Outer Ring (…otedy qotedy…)	Compartment #7 (otedy oparom) #6 Outer Ring (…otedy…)	Compartment #7 (oteedy) Compartment #10 (otedy) Outer Ring (…otedy…)	Compartment #4 (…oteedy…) Outer Ring (…otedy…)	otedy in #1 Outer Ring, #2 Protrusion Exterior #2 Outer Ring (…oteoteedy otod…) #8 Outer Ring (…otdar…oteed oteedy…)
Nymph #1 (okair)		Compartment #3 (okar am al) -- definitely not #7-8-1 at least	#5 Outer Ring (…okair …)	Compartment #1 (okar…) #4 Outer Ring (okar ar okary…) #4-5 Bridge #1 (okar)	#1 Outer Ring (…okair…) #2 Bottom Exterior Label (okar oedody) #2 Interior Ring (…oekairy…ykary…) #3 Outer Ring Sentence #1 (…qokal okar okar…okar…)
Nymph #2 (olkol)	Outer Ring (…ceeolky…olkoaiiin…)	Outer Ring (…olkaiin…)	Outer Ring (…olky…)	Outer Ring (… olkar…)	#1 Outer Ring (…olkcedy…olkaiin…) #3 Outer Ring Sentence #1 (olkar…olkocpe) #8 Outer Ring (…olkeeodaiin…)
Nymph #3 (okol) + Shower f82v #1 (okoldy)	Outer Ring (… qokeol…)		South-Oriented Text (ceekais okolarm) f68r3 #4 (dceokcey cseey okey oteos okol csey)	Compartment #1 (…**okol cseeey…**) f68r3 Quadrant #4 Stars #1 **okol cey** in line with #4 Rosettes #3-4 → Stars #2 (cseoekeary cseeky okol ceey okol dom) and f68r3 #3 (qokol…)	#3 Outer Ring #2 (...okal ykol...) Exterior #4 (okeol...okol dam...) in line with #8 ------ #1 Outer Ring (... okeo ldy...) and f68r3 #8 (…okol ceey qokcedy) in line with it ------Rosette #2 and f68v3 Rosettes #2-3 → Sides #2 (okeol...) f69r #20 (okceol qokol daly) f68v3 Diagram Center #3 (…ykeol … ykeol…) f68v3 Inner Ring (…okol …ykeeol)
f82v Rainbow #					
#1 (daiiin oty)	Outer Ring (…**oty daiiin…**)				#8 Exterior Label #2 (yoe *as) #8 Outer Ring (…oto…) #2 Protrusion Exterior (…oty)
#2 (okeoky okedar) #3 (otedol)	Outer Ring (…okedal…oteedaiiin…ceoky otcedor…) Left Label #1 (otedal) Left Label #8 (okydy) #7-8 Bridge Interior #1 (ytedar)	Compartment #8 Label #4 (ytedaiiin) Outer Ring (…otodar otegar…okedol…), f85r2 Quadrant #3 (…ytedar…) in line with #6	Outer Ring (okedair…okedaiiin…okedal…otc egaiiin…)	Outer Ring (…okedaiin…) f85r2 Quadrant #2 (…qotedar…) in line with #4 Compartment #3 (dor oky soa)	

Table 29.10: Rosette Zone Mappings to f80r Figures

f80r Queue Nymph	#8	#7	#6	#5	#4	#3	#2	#1
#1 Last but Facing Rightward (oraly)					f67v2 Diagram Exterior #2 (…ykaral am oralady…) in line with Rosette #4		f57v Diagram Center #1 (oralaror) f85r2 Quadrant 1 (…olkor cseoral)	Outer Ring (...oral okcegy oly okain olkaiin…)
#2 "Squeegee" Holder (oloedy)	f67v2 Multi-Face Diagram #4 (otoedy)	Outer Ring (.. olor...)						
#3 Right Hand Up (okaly)	#8 Outer Ring (…okalol…)	Outer Ring (…olkoaiiin okal…)	Outer Ring (…okal m…) Rosette #5-6 → Stars #3 (yceeeo keey qokal okeeg)	Compartment #2 (okalar) Outer Ring (…otedy…okal okalar)	Compartment #7 (opced opcedy qokal) Outer Ring (…okalol…) Rosette #4-5 → Sides #3 (…okal…) Diagram Center #2 **(okaly)** Protrusion #3 **(oar ykaly** cear)	Diagram Interior #2 (okalain) Outer Ring Sentences #1 (…qokal okar okar …okar…) and #2 (...okal ykol...)		Outer Ring (…okal okal…ykal…) f68r3 #1 (toceedy ceocpey qokcedy dol okald)
#4 Crown with a Cross (okolo)	Exterior #4 (okeol...**okol** dam...)	Outer Ring (… qokeol…)		#5 Waxing Gibbous South-Oriented Text (ceekais okolarm) f68r3 #4 dceokcey cseey okey oteos **okol** csey)	Compartment #1 (…**okol cseeey…**) f68r3 Quadrant #4 Stars #1 **okol cey** in line with #4 Rosettes #3-4 □ Stars #2 cseoekeary cseeky okol ceey okol dom and f68r3		Rosettes #2-3 → Sides #2 (okeol...) f69r #20 (okceol qokol daly) ---------- f68v3 Diagram Center #3 (...ykeol...) fInner Ring (okosy …okol…ykor	Outer Ring (... okeo ldy...) f68r3 #8 (toees ykeo csee* qokol ceey qokcedy)

					#3 qokol cedceol qoteey ceo kecey okcedy in line with #3		otair…orol…ykeeol)	
#5 2 Arms Thrust Backwards (okory)	Outer Ring (…okos ol om…okor…)						Outer Ring (okos opair…) Protrusion Bottom-Right (okor) f68v3 Inner Ring (okosy okcey okol…ykor…ykeeol)	Quadrant #10 **(okory)**
#6 Blonde Red Headband Facing Rightward (opor)			Outer Ring (…**opor**…)					#2 Castle #3 Lighthouse-Like (**opoor** daly) #7 Outer Ring (…**opoeesal ceeolk**y…olkoaiiin…)
#7 Red Towel (olky)				#5 Outer Ring (…**olky**…)				
#8 (otal cseedy)	f69r #14 (ceodcey ceotal)				#4 Outer Ring (…otalol otar…**otal**…) Rosettes #3-4 → Exterior Stars #4 (otol cees otaly)			
#9 Long Blonde Hair Removing Waist Towel (okar) #10 Waist Towel (Possibly Male) (okair)			#6 Compartment #3 (**okar** am al)	#5 Outer Ring (…**okair** …)	Compartment #1 (**okar**…) Outer Ring (okar ar okary…) #4-5 Bridge #1 (**okar**)		Bottom Exterior Label (**okar** oedody) Interior Ring (…oekairy…ykary…) #3 Outer Ring Sentence #1 (…qokal **okar okar**…**okar**…)	Outer Ring **(…okair…)**

Table 29.11: Rosette Zone Mappings to f77r Figures

Nymph	**#8**	**#7**	**#6**	**#5**	**#4**	**#3**	**#2**	**#1**
#1 (daroedar)	Outer Ring (…odar …) f57v dairol		Attachment (opacseeefcedy rar odair or odar air d oteoly) Compartment #8 Label #3 (otodar) Outer Ring (…otodar otegar…) f86v3 Jet Figure #3 (...ytceeodar...)		Outer Ring (okar ar okary…odar…olkar okedaiin oror) f86v3 Jet Figure #2 (...otodar...) f85r2 Quadrant #2 (...olkey...qodar qotedar qokar qotced...)	Outer Ring Sentence #2 (…otodar …)	Outer Ring (...ykodar cees okodain...sarald todar cekar odair...) f57v Hand-Raiser #1 (otodarag) in line with #2 f68v3 Outer Ring (...kodar...) ---------- #2 Interior Ring (...ytodaro...) Diagram Center #1 (oralaror), f68v3 Center #3 (...darol...)	f69r Labeled Interior Bar #16 (okeodar oteody)
#2 (dotedy) & f77r Tube #2 (otedy)	Outer Ring (…otdar…oteed oteedy…)	Outer Ring (…otedy qotedy…)	Compartment #7 (otedy oparom) Outer Ring (…otedy…)	Compartments #7 (oteedy) & #10 (otedy), Outer Ring (…otedy…)	Compartment #4 (…oteedy…) Outer Ring (…otedy…)		Outer Ring (…oteoteedy otod…) Protrusion Exterior (..otedy…)	Outer Ring (…otedy…)
#3 (otoedy)	f67v2 Multi-Face #4 (**otoedy**)							
#4 (otolaiino) & f77r Tube #4 (otol)		Outer Ring (…olaiiin)	Exterior Attachment (…oteoly) ---------- f68v3 Center #3 (...solaiin...) → Exterior #3 (...solair cfeey solal…)		Compartment #4 (…**olaiiin**…) Compartment #5 (**otol** ar das l cedy)		Castle #4 On Bridge to #3 (otcedy otoldy)	Outer Ring (… **otol**…)
f77r Tube #								
#1 (olkoes)			Outer Ring (…olkaiin…)	Outer Ring (…olky…)	Outer Ring (… olkar…)	Outer Ring Sentence #1 (olkar…olkocpe)	f85r2 Quadrant #1 (...**qotor**...ockedor **olkor cseoral**) f68v3 Outer Ring (…ykeoees…) f57v Diagram Center #1 (oralaror)	Outer Ring (…olkcedy…olkaiin…) f68r3 Star Quadrant #8 (toees ykeo csee* qokol ceey qokcedy)
#3 (otork)		Outer Ring (…otosaiiin …)		Compartment #8 (otos aiiin)	Jet Figure #2 (...otor...oteedy...)			
#6 (soral)					f67v2 Exterior #2 (…ykaral am oralady…)			Outer Ring (...oral…)
#5 (dcedy)							Outer Ring (…dcedy okeedy…)	

Table 30.1: Pharmacological Rosette Mappings

Canister	Ingredients	Primary Matches	Secondary Correlations	Section 3
f88r				
#1 (otor ceety)	Line 1 #1-5 (osal, orald, oldar, ototy, otaly)	**Rosette #4** Outer Ring (…otalol …otedy otal …) f67v2 Diagram Exterior 2 (...osalal...oralady...) f68v1 Exterior Stars #4 (otol cees otaly) f86v3 Jet Figure #2 (...otor...) ---------- Rosette #4 Exterior Fish-Tail (opaldar) ---------- Rosette #4 Compartment #5 (otol ar das l cedy) f68v1 Exterior Stars #4 (otol cees otaly) **Rosette #2** Protrusion Top (osal) f57v Diagram Center #1 (oralaror) f85r2 Quadrant 1 (sain or or aiin opcedy qotor cseeedy cseodaiin olfar ary dair cseeo oraiin ceol daiin ockedor olkor cseoral) f85r2 Quadrant 1 (...*olkor* cseoral) ---------- Outer Ring (…sarald…*dcedy*…) f68r3 Star Quadrant #1 (…okald) ---------- Rosette #2 Castle #4 On Bridge to #3 (otcedy otoldy) f67v2 Diagram Exterior #1 (…otoly…)	**Rosette #8** f68v1 Exterior Stars #8 (dair cpceety dy) → #7-8 f57v Diagram Center #4 (askaldy) #8-1 Bridge Bottom (daraldy) #8-1 Bridge Top (daldal) #7-8 Bridge Interior #3 (daldar) f69r #14 (ceodcey ceotal)	ototy like okeoky before etc. f80r Queue Nymph #1 (oraly) f80r Queue Nymph #8 (otal cseedy) f77r Tube #3, #6 (otork, soral) possibly to #1 (olkoes) and #5 (dcedy) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) f77v Nymph #4 (sororal) Poisoned Nymph (otceeo daiin cety ykees ceeg) f75r Pool #1 Nymph #4 (ycety) f75v Pool #3 Nymph #6 (oty lcey) f83r Nymph #4 (cetorol) f83r Bottom Shower #1 (sasoldal) f82v Rainbow #1 (daiiin oty) f84v Pool #21 (..oldy...)
#2 (otaldy)	Line 2 #1-5 (orag, dary, okol, sorory, otydy)	**Rosette #4** Outer Ring (…otalol...otal...**oror**) Rosette #4 Compartment #1 (…okol…) f68v1 Exterior Stars #4 (otol cees otaly) ---------- f67v2 Diagram Exterior #2 (…oralady…) f68v2 Stars #4 (…orasaly) f68r3 Star Quadrant #4 Star #1 (okol cey)	**Rosette #2 okol concentration** f69r #20 (okceol qokol daly) f68r3 Star Quadrant #8 (…qokol...y) f68r3 Star Quadrant #3 (qokol...) f68v3 Inner Ring (…okol…orol…ykeeol) f68v3 Diagram Center #3 (…ykeo...ykeol...) f68v3 Sides #2 (okeol…)	f80r Queue Nymph #4 (okolo) f80r Queue Nymph #8 (otal cseedy) f82r Pool #15 Nymph #5 (sorosl) f82r Pool #15 Nymph #8 (sokoly) f82v Pool #16 Nymph #3 (okol) Shower f82v #1 (okoldy) f75v Pool #3 Nymph #7 (dary dal) f77v Nymph #4 (sororal) f78r Pool #5 (otas odl ary orory) f84r Pool #17 Nymph #10 (okol csey) ---------- less likely ora-polygraphs f77r Tube #6 (soral) f77v Nymph #4 (sororal) f80r Queue Nymph #1 Last but Facing Rightward (oraly)
#3 (ofyskydal)	Line 3 #1, #2 Lupine? (otosag, ofaldo)	**Rosette #1** Quadrant #5-7 (ofary, ofair, ofas) #1-2 Bridge Interior (ofair ofalctey) f68v1 Exterior Stars #2 (oteeos araly) Rosette #1 Outer Ring (…odal…) **Rosette #9** Center #5, 15 (odal, ofdag) Outer Ring Sentence #2 (…ofair oly olkair odal…)	**Rosette #5** Compartment #1, #8 (ofas aiiin, otos aiiin) f68v2 Star Divider #5 (otceos alag cey) f68r3 Star Quadrant #4 (… oteos…) **Rosette #7** Outer Ring (…otosaiiin…odal …)	None
f88v				
#4 (okolyd)	Line 1 #1-4 (ceeoctey, cpeeor, otar arody, otokol)	**Rosette #4** Compartment #1 (…okol…) Compartment #6 (oparod csecfedy tcsedy) f85r2 Quadrant 2 (… qocteey…) f68r3 Star Quadrant #4 Star #1 (okol cey) f68v3 Stars #2 (…okol ceey okol dom) Outer Ring (…otar…) **Rosette #6** f57v Diagram Center #3 (ocfeor okear) f68r3 Star Quadrant #6 Star #4 (octey d) f68r3 Star Quadrant #4 (dceokcey cseey okey oteos okol csey) f85r2 Quadrant #3 (…arody…) Outer Ring (…otar…) **Rosette #2** okol concentration f68v3 Inner Ring (…okol…otair… ykeeol) ---------- f86v3 Jet Figure #1 (…otair…otais) f67v2 Multi-Face Diagram #1 (otararain) f69r #21 (ykeceody otar) f86v3 Jet Figure #1 (…otair...ytar...otais)		f80r Queue Nymph #4 (okolo) f82r Pool #15 Nymph #8 (sokoly) f82v Pool #16 Nymph #3 (okol) Shower f82v #1 (okoldy) f84r Pool #17 Nymph #10 (okol csey) f78r Pool #5 (otas odl ary orory)
#5 (otor am)	Line 2 #1-3 (otory, ceeos dy, okaiin)	**Rosette #8** Outer Ring (…okaiin…) Exterior Label 7 (dceos osasy) f86v3 Jet Figure #4 (…ceeos…)	**Rosette #2** f85r2 Quadrant #1 (…qotor…) **Rosette #4**	f77r Tube #3 (otork) f83v Tube #1 (okaiin)

		Rosette #1 Outer Ring (…okain olkaiin ody) Rosette #1-2 Bridge #2 (opotceos ody)	f86v3 Jet Figure #2 (… otor…) f85r2 Quadrant #2 (…cseeos…)	
#6 (daram dal)	Line 3 #1-3 (otydary, otdory, darar g am)	**Rosette #6** Compartment #4 (opdaram) Compartment #8 Label #3 (otodar) Outer Ring (…otodar otegar…otl xasacsee…otedy okedol…xar…) Rosette #5-6 Bridge #1 (otdar cseed) the o[fptk]e^{0-4}dai$^{0-4}$[dlrsmg | n] "rainbow" words on #5-6 **Rosette #9** Canister #1 (otdodar oegy) Canister #2 (socsexor arar) the o[fptk]e^{0-4}dai$^{0-4}$[dlrsmg | n] "rainbow" words on #9 **Rosette #8** (okcedarar) Outer Ring (…odar…otdar…otodr …)	**Rosette #2** Interior Ring (…odas aram…ytodaro…odar…ykodar…) f57v Hand-Raiser #1 (otodarag) and f68v3 Diagram Center #1 (otodol) f67v2 Protrusion #2 (oeolales airar) f67v2 Multi-Face Diagram #1 (otararain) **other odar model** 6 for Rosette #2 5 for #6 3 for #4 2 for #9 1-3 for #8 1 apiece for #1, #3	Shower f84v1 (otdy dar…dar orog…)
f89r1				
#7 (okcecsey)	Line 1 #1-4 (qkol, oldag, otoldy, arar ceodaiin)	**Rosette #9** Center #8 (old) Center #15 (ofdag) Canister #2 (socsexor arar) Outer Ring Sentence #2 (…odaiiin…) **Rosette #6** Exterior Attachment (…oteoly) f85r2 Hand-Raisers #3 (orar oldar ain) f68r3 Star Quadrant #5 (…otgoldl) ---------- Outer Ring (…odaiiin…) f68v1 Exterior Stars #7 (oteodain sar) f85r2 Quadrant #3 (…sodaiiin…qodain odain…) f86v3 Jet Figure #3 (…qodaiin…) ---------- 5-6 f68v2 Star Divider #5 (otceos alag cey) Rosette #5 Outer Ring (…odaiiin…) **Rosette #8** (okcedarar) Outer Ring (…olkeeodaiin…) f85r2 Quadrant #4 (…qodain…qodaiin...aiin od) f86v3 Jet Figure #4 (…otodaiin…cseodain…) **Rosette #4** Compartment #1 (…cseodaiiin) Compartment #5 (otol ar das l cedy) Outer Ring (…odaiin …) f86v3 Jet Figure #2 (…qodaiin…) f68v1 Exterior Stars #4 (otol cees otaly) **Rosette #2** Outer Ring (…okodain…lodaiin…) f85r2 Quadrant #1 (…qotor…cseodaiin…) f67v2 Protrusion #2 (oeolales airar) for #2 f57v Hand-Raiser 1 (otodarag) Castle #4 On Bridge to #3 (otcedy **otoldy**) f67v2 Diagram Exterior #1 (…otoly…) ~~f67v2 Multi-Face Diagram #1 (otararain) for #2~~		f83r Bottom Shower #1 (sasoldal) f84v Pool #21 (…oldy…) f75v Pool #3 Nymph #10 (olkcey otoly) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) f84r Pool #17 Nymph #11 (otoly)
#8 (ykyd)	Line 2 #1-3 (ceol cees, otorain, okaiin dan)	**Rosette #1** Outer Ring (… yky…okain olkaiin ody) f69r #19 (doly dal dar ceyky) **Rosette #5** Outer Ring (…saldan…yky…) **Rosette #7** Left Label #8 (okydy) **Rosette #3** Diagram Interior #3 (okcedy kary oraiiin cey)?	**Rosette #2** f85r2 Quadrant #1 (…qotor…) Interior Ring (…yky…) **Rosette #4** Compartment #8 (…ceeyky) f68r3 Star Quadrant #4 Star #3 (cedy yky) f86v3 Jet Figure #2 (… otor…)	f77r Tube #3 (otork) f83v Tube #1 (okaiin)
#9 (yko cfey)	Line 3 #1-3 (saldam, sydarary, ydcpody)	**Rosette #1** Quadrant #1 (oko) Rosette #1 Outer Ring (…okain olkaiin ody) Rosette #1-2 Bridge #2 (opotceos ody) **Rosette #5** Outer Ring (...keeody...ody...saldan…) f69r Labeled Interior Bar #7 (doceeeo kody sar) f68v3 Sides #3 (…ody…) in line with #4-5.	**Rosettes #2-3** yko-initial nouns f68v3 Sides #2 (…oko…) Rosette #2 Outer Ring (…sarald...) f67v2 Protrusion #2 (oeolales airar) f67v2 Multi-Face Diagram #1 (otararain) Interior Ring (...keeody...) **odar model** 6 for Rosette #2	f78r Tube Section #3 (daral ocfey) f75r Pool #1 Nymph #6 (saldy) f75v Pool #3 Nymph #3 (daldy dalcsed) f75v Pool #3 Nymph #8 (daldy qoted)

		Rosette #9 Canister #2 (socsexor arar) Center #19 (sody) **Rosette #8** (okcedarar) f68v3 Sides #1 (…keody…)	5 for #6 3 for #4 2 for #9 1-3 for #8 1 apiece for #1, #3	
f89r2				
#10 (odory)	Line 1 #1-4 (doly, ofceor am, sal oiin cseol, ofceeor)	**Rosette #7** Outer Ring (… oiin…) Rosette #7-8 Bridge #1 (soiiin dy) f69r Labeled Interior Bar #10 (soir al okody otedy) **Rosette #6** Compartment #5 (ofcedar) f68r3 Star Quadrant #5 (pceody qokcey dcseol dcsey otgoldl)		f84r Pool #17 Nymph #6 (doiir) Shower f84v1 (… orog roiin…)
#11 (otoldy)	Line 2 #1-2 (otol cseol dy, ofcear oiin)	**Rosette #6** Exterior Attachment (…oteoly) Rosette #6 Compartment #5 (ofcedar) f68r3 Star Quadrant #5 (pceody qokcey dcseol dcsey otgoldl) **Rosette #4** Compartment #5 (otol ar das l cedy) f68v1 Exterior Stars #4 (otol cees otaly) Outer Ring (…oiiin…) f85r2 Quadrant 2 (…sois…)	**Rosette #7** Outer Ring (… oiin…) Rosette #7-8 Bridge #1 (soiiin dy) f69r Labeled Interior Bar #10 (soir al okody otedy) **Rosette #2** Castle #4 On Bridge to #3 (otcedy otoldy) f67v2 Diagram Exterior 1 (…oir…otoly…)	f84r Pool #17 Nymph #6 (doiir) Shower f84v1 (… orog roiin…) f75v Pool #3 Nymph #10 (olkcey otoly) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) f84r Pool #17 Nymph #11 (otoly)
#12 (korain y)	Line 3 #1-5 (sodar, ceey s, ceeody, ofor ain, okcsed ceos)	**Rosette #8** (okcedarar) Exterior Label #1 (ofain ain) Exterior Label #7 (dceos osasy) Rosette #7-8 Bridge #2 (ofardy) f67v2 Diagram Exterior 4 (okeol ceol ar okol dam koaiin ofal ol ofalaiin oar) Jet Figure #4 (…kceedy…ceeos…tceeody) f68r3 Star Quadrant #6 (kceoty oteey daiin dceeeody oteey) for #7-8 f85r2 Quadrant #4 (…qokcseedy…) **Rosette #1** Quadrant #5-7 (ofary, ofair, ofas) #1-2 Bridge Interior (ofair ofalctey) #1-2 Bridge #2 (opotceos ody) f68v3 Sides #1 (…ceody.) for #8/#1 qokcedy (2x) in f68r3 Star Quadrant #1, #8 in line with #1/#2 Outer Ring (…okcedy…)	**Rosette #3** Diagram Interior #1 (ofairy) Diagram Interior #3 (okcedy kary oraiiin cey) f68v3 Sides #2 (…ceeody…) for #2-3 okcedy (2x) in f68r3 Star Quadrant #3, f68v3 Sides #2 in line with #2/#3 **odar model** 6 for Rosette #2 5 for #6 3 for #4 2 for #9 1-3 for #8 1 apiece for #1, #3	f83r Rainbow #1 (otcedy qokcedy cseedal dal ceeol lol cedal aiin sol daiin ceedy) f83v Nymph #4 (okcedy) f84v Pool #21 (okar ydaiirol y ceckey dcseedy okcedy solceey daiin oldy dar cey y csekey oceedy)
#13 (okain y orain)	Line 4 #1-4 (ofakal, otal sy, ytas am, otolarol)	**Rosette #8** Outer Ring (…okaiin…) Smokestack (orarol) Exterior Label 1 (ofain ain) Rosette #7-8 Bridge #2 (ofardy) f67v2 Diagram Exterior 4 (okeol ceol ar okol dam koaiin ofal ol ofalaiin oar) f57v dairol f69r Labeled Interior Bar #14 (ceodcey ceotal) f68v1 Exterior Stars #1 (sair arolsar) for #1/#8 **Rosette #1** Quadrant #5-7 (ofary, ofair, ofas) #1-2 Bridge Interior (ofair ofalctey) Outer Ring (… okain olkaiin…)	**Rosette #4** Outer Ring (...otalol otar…otal…) Compartment #2 (…ofas…) Compartment #5 (otol ar das l cedy) f68v1 Exterior Stars #4 (otol cees otaly) **Rosette #3** Diagram Interior #1 (ofairy) Diagram Interior #3 (okcedy kary oraiiin cey) Outer Ring Sentence #1 (…otar…) **Rosette #9 Outer Ring Sentence #**2 (…okaiiin daiiin ofair…) **Rosette #2** Castle #4 On Bridge to #3 (otcedy otoldy) f57v Diagram Center #1 (oralarol) f68v3 Inner Ring (…otair…) f68v3 Diagram Center #3 (…darol…) f67v2 Multi-Face Diagram #1 (otararain) f69r #21 (ykeceody otar) f86v3 Jet Figure #1 (…otair...ytar...otais) f85r2 Quadrant #1 (…oraiin ceol ...cseoral) f86v3 Jet Figure #1 (…otair…otais)	f78r Pool #5 (otas odl ary orory) f83v Tube #1 (okaiin) f75v Pool #3 Nymph #10 (olkcey otoly) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) f84r Pool #17 Nymph #11 (otoly) f80r Queue Nymph #8 (otal cseedy) f77r Tube #6 (soral) f77v Nymph #4 (sororal) f80r Queue Nymph #1 Last but Facing Rightward (oraly) f83r Bottom Shower #2 (darolsy) f75v Pool #3 Nymph #2 (dokal darol)
f89v2				
#14 (ceocedy)	Line 1 #1-5 (okaiil, dar ceeos, ceokaro, cseeol, ceokam)	**Rosette #3** Diagram Interior #2 (okalain) Outer Ring Sentence #1 (…qokal okar okar…okar…) Outer Ring Sentence #2 (…olceedy okal…) f69r Labeled Interior Bar #1 (okeeo ctey okar ar) **Rosette #4** Outer Ring (okar ar okary…okalol…) Rosette #4 Compartment #7 (…qokal) Rosette #4 Compartment #1 (okar…) Rosette #4-5 Bridge #1 (okar) f57v Diagram Center #2 (okaly) f67v2 Protrusion #3 (oar ykaly cear) f68v3 Sides #3 (…okal…)	**Rosette #2** Interior Ring (…ocedor al oekairy…ykary…) Bottom Exterior Label (okar oedody) f68r3 Star Quadrant #1 (toceedy ceocpey qokcedy dol okald) f85r2 Quadrant #1 (...ockedor...) **Rosette #8** Exterior Label #5 (otoceedy sy) Exterior Label #7 (dceos osasy) f85r2 Hand-Raisers #4 (ol lceeol ceol ol cseeoly)	f84r Pool #17-18 Stream #1-2 (okaly) f84v Pool #21 (okar…oceedy) Shower f84v1 (…okaly) f75v Pool #3 Nymph #2 (dokal darol) f75v Pool #3 Nymph #4 (dalkar qokal) **f77v Nymph #1 (okair ykal)** f77v Nymph #5 (okalo) f78r Pool #6 (okaral) f80r Queue Nymph #3 (okaly) f80r Queue Nymph #9 (okar) f80r Queue Nymph #10 (okair) f82r Pool #15 Nymph #1-4 (okar, okal, okaldy, okairajy) f82v Pool #16 Nymph #1 (okair)

		f85r2 Quadrant #2 (…qokar…) f67v2 Diagram Exterior 2 (…ykaral…)		f82v Nymph #4 (okal cey)
#15 (okory)	Line 2 #1-3 (otair ceody, dykaran, opceedey)	**Rosette #2** Rosette #2 Bottom Exterior Label (okar oedody) Rosette #2 Protrusion Bottom-Right (okor) Rosette #2 Interior Ring (…oekairy…ykary…) f68r3 Star Quadrant #2 Star #2 (okory) f68v3 Inner Ring (okosy…ykor otair…) f68v3 Sides #2 (…ceeody…) for #2-3 f67v2 Multi-Face Diagram #1 (otararain) f67v2 Diagram Exterior #1 (…okor) f69r #21 (ykeceody otar) f85r2 Quadrant 1 (...opcedy...) f86v3 Jet Figure #1 (…otair…ytar…otais) **Rosette #6** Outer Ring (…otar…) Compartment #1 (opcedy) Compartment #3 (okar am al) f67v2 Protrusion #4 (okar alot olka*) f69r #8 (dceokey csekceody al) for #6, f68r3 Star Quadrant #5 (pceody…) for #5-6 **Rosette #4** Outer Ring (okar ar okary…otar…) Rosette #4 Compartment #1 (okar…) Rosette #4-5 Bridge #1 (okar) f85r2 Quadrant #2 (…qokar…) f67v2 Diagram Exterior 2 (…ykaral…) ---------- f86v3 Jet Figure #2 (… opcedy…oceedy…) Rosette #4 Compartment #8 (cseety opceedy ceeyky) Rosette #4 Compartment #7 (opced opcedy qokal)		f78r Pool #5 (otas odl ary orory) f84v Pool #21 (okar…) f77v Nymph #1 (okair ykal) f78r Pool #6 (okaral) f80r Queue Nymph #9 (okar) f80r Queue Nymph #10 (okair) f82r Pool #15 Nymph #1, #4 (okar, okairajy) f82v Pool #16 Nymph #1 (okair)
#16 (opal oiiir y)	Line 3 #1-4 (otor am, cetcey, odg oky sad oy, dair okoy)	**Rosette #4** Outer Ring (…oiiin…opal…) Rosette #4 Compartment #4 (opam opceody opceey ê opar ceepceey oteedy olaiiin orcsey) Rosette #4 Compartment #6 (oparod csecfedy tcsedy) Rosette #4 Exterior Fish-Tail (opaldar) Rosette #4 Exterior Sun (opar odam) f67v2 Diagram Exterior #2 (okeey keoy osalal ykaral am oralady odam) f68v2 Stars #4 (oteoys orasaly) f85r2 Quadrant 2 (…sois…) f86v3 Jet Figure #2 (…otor…) **Rosette #2** Interior Ring (…opal…yky…opal ly) Outer Ring (… opair…) f67v2 Diagram Exterior 1 (…oir…) f85r2 Quadrant #1 (…qotor…) f68v3 Diagram Center# 2 (opceol dg)	**Rosette #7** Outer Ring (… oiin…) Left Label #2, #6 (opaiiino, opair ain) f69r Labeled Interior Bar #10 (soir al okody otedy) **Rosette #8** Exterior Label 6 (sceedoy olal) Outer Ring (…qoeey…) f68v3 Sides #1 (…qoeey…) for #8/#1 Rosette #7-8 Bridge #1 (soiiin dy) **Rosette #9** Outer Ring Sentence #1 (…oir…) Rosette #9 Centers #2, #9, #12-13 (opar, ypal, dgl, dtedg)	f84r Pool #17 Nymph #6 (doiir) Shower f84v1 (… orog roiin…) f82r Pool #15 Nymph #6 (olkoky) f82v Rainbow #2 (okeoky okedar) f77r Tube #3 (otork)
f89v1				
#17 (okor aldy)	Line 1 #1-3 (otockey, otceair, dar cseody)	**f68r3 Star Quadrants → Rosettes #2-8** f68r3 Star Quadrant #1 (toceedy ceocpey qokcedy dol okald) for #1-2 f68r3 Star Quadrant #2 Stars #1-2 (okos, okory) for #2 f68r3 Star Quadrant #2 (dcey kcey daiir ceok ockey dar) #3-4 f68r3 Star Quadrant #4 Star #2 (ceockey) for #4 f68r3 Star Quadrant #5 (pceody…) for #5-6 f68r3 Star Quadrant #6 (kceoty oteey daiin dceeeody oteey) for #7-8 f68r3 Star Quadrant #7 (dceey qokeey dceeey daiir otceal) for #8	**Rosette #2** f67v2 Diagram Exterior 1 (tol or oir om otoly san m daiin taedaiin or okor) f68r3 Star Quadrant #2 Star #2 (okory) f68v3 Inner Ring (okosy…ykor…) Rosette #2 Protrusion Bottom-Right (okor) f68v3 Sides #2 (…ceeody…)	f80r Queue Nymph #5 2 Arms Thrust Backwards (okory) f83v Nymph #3 (okor cey) f75r Pool #1 Nymph #6 (saldy) f75v Pool #3 Nymph #3 (daldy dalcsed) f75v Pool #3 Nymph #8 (daldy qoted)
#18 (koeeorair)	#4-6 (otos cseos, opol olaiin, opal daiin)	**Rosette #7** Outer Ring (orar...otosaiiin…ol aiin…olaiiin) Left Label #2, #6 (opaiiino, opair ain)	**Rosette #2** Interior Ring (…opal…orar…opal ly) Castle #3 Lighthouse-Like (opoor daly) #1-2 Bridge #2 (opotceos ody) f68v1 Exterior Stars #2 (oteeos araly) f68v2 Stars #2 (otosey sary) f68v3 Diagram Center #3 (… solaiin...) **Rosette #4** Compartment #4 (opam…opar…olaiiin…) Compartment #6 (oparod csecfedy tcsedy) Outer Ring (…opal…) Exterior Fish-Tail (opaldar) Exterior Sun (opar odam) Volcano-Shaped Protrusion (orar m) f85r2 Quadrant #2 (…oloeorain…) f85r2 Quadrant #2 (…cseeos…)	f82r Pool #15 Nymph #10 (olaiiin) f77r Nymph #4 (otolaiino) f80r Queue Nymph #6 (opor)

			Rosette #6 Outer Ring (…toor…or ar…opor…)6 f68r3 Star Quadrant #4 (…oteos…) #5-6 f85r2 Hand-Raisers #3 (orar oldar ain) **Rosette #8** Smokestack (orarol) Exterior Label 7 (dceos osasy) f85r2 Quadrant 4 (…olaiin…) f86v3 Jet Figure #4 (…ceeos…)	
f99r				
#19 (okar am og)	#1-12 (okary, darar, oky, daly, oroair, okor, salol, skeeal, okary, okolo, otalag, otaldy)	**Rosette #4** okar cluster → okar, okary (2x) particularly Outer Ring (okar ar okary…okalol…otalol ...otal...oror) Compartment #1 (okar...okol cseeey tolfceg …) Compartment #5 (otol ar das l cedy) Rosette #4-5 Bridge #1 (okar) f68v1 Exterior Stars #4 (otol cees otaly) f67v2 Diagram Exterior 2 (okeey…ykaral…) f67v2 Protrusion #3 (oar ykaly cear) f85r2 Quadrant #2 (...qokar...) ---------- f80r/f82r augmentations Rosette #3-4 Bridge #1 (opodcedal) f67v2 Diagram Exterior 2 (...ykaral...oralady...) f85r2 Quadrant 2 (pceedeey olkey …) Compartment #4 (opam…opar …olaiiin…) **Rosette #2** f67v2 Diagram Exterior #1 (tol…okor) f68r3 Star Quadrant #2 Star #2 (okory) Rosette #2 Protrusion Bottom-Right (okor) Rosette #2 Bottom Exterior Label (okar oedody) Rosette #2 Interior Ring (o*oar…oekair…ykary…) + known okos variants + okol relative peaks f68v3 Diagram Center #3 (doar…daly...ykeol...) f69r#20 (...qokol daly) Rosette #2 Castle #3 Lighthouse-Like (opoor daly) ---------- f80r/f82r augmentations Castle #3 Lighthouse-Like (opoor daly) Rosette #1-2 Bridge #2 (opotceos ody) f68v3 Diagram Center #3 (doar ykeol…daly solaiin…olekeey…ykeol…) f57v Diagram Center #31 (oralaror) f85r2 Quadrant #1 (…cseoral) f68r3 Star Quadrant #2 Star #1 (okos) f68v3 Inner Ring (okosy…okol…ol ykor…ykeeol) Outer Ring (okos opair …okeo lodaiin…) f68v3 Sides #2 (okeol…okos)	**Rosette #8** (okcedarar) f67v2 Diagram Exterior 4 (okeol…okol dam koaiin...oar) f68r3 Star Quadrant #8 Wand/Branch Head (doary) Rosette #8 Outer Ring (…okos… okalol…oas …okor…) f57v Hand-Raiser 4 (otar daly) f69r Labeled Interior Bar #14 (ceodcey ceotal) **f80r/f82r augmentations** Rosette #1 Outer Ring (…okal okal…ykal…okair…okeo ldy opy…yky…oral…) Rosette #3 Diagram Interior #2 (okalain) Outer Ring Sentences #1 (…qokal okar okar …okar…) and #2 (…olceedy okal ykol…)	**f80r Queue Nymph #4 (okolo)** **f80r Queue Nymph #5 (okory)** **f80r Queue Nymph #8-10 (otal cseedy, okar, okair)** **f82r Pool #15 Nymph #1 (okar)** **f82r Pool #15 Nymph #4 (okairajy)** **f82r Pool #15 Nymph #5 (sorosl)** **f82r Pool #15 Nymph #6 (olkoky)** **f82r Pool #15 Nymph #8 (sokoly)** **f82r Tube #1 (orol daiin)** ---------- **f82v Pool #16 Nymph #1 (okair)** **f82v Pool #16 Nymph #3 (okol)** Shower f82v #1 (okoldy) f82v Rainbow #2 (okeoky okedar) -- possibly not connected, except via tubes? f77v Nymph #1 (okair ykal) f77v Nymph #3-5 (oroeedal, sororal) f78r Tube Section #4 (dceedaly) f78r Pool #5 (otas odl ary orory) f78r Pool #6 (okaral) ---------- f84r Pool #17 Nymph #10 (okol csey) f84v Pool #21 (okar…) f83r Nymph #4 (cetorol) f83r Contraption Label (…qokey…raly …ldalol… rkaiin…) f83v Nymph #3 (okor cey) f75r Pool #1 Nymph #2 (daly yceey) Shower f84v1 (…roiin okeeey…)
#20 (opasal)	#13-19 (oaso, aloly, oarar, oeoky, oky, okeoly yteold, oeeotoey)	**Rosette #2** okol relative peaks Ouoter Ring (…opair…okeo ldy…) Interior Ring (o*oar…) f68v3 Diagram Center #3 (doar...ykeol...) f69r#20 (...qokol daly) f68v3 Inner Ring (…okol ceoekey okeoeeey…ykeeol) f86v3 Jet Figure #1 (…qoeeey …) **Rosette #4** f57v Hand-Raiser 2 (oparair dly) Compartment #4 (opam…opar….) Compartment #6 (oparod…) Exterior Sun (opar odam) Compartment #1 (...okol …) Compartment #5 (otol ar das l cedy) f68v1 Exterior Stars #4 (otol cees otaly) f67v2 Protrusion #3 (oar ykaly cear) f67v2 Diagram Exterior #2 (okeey keoy…) f68v2 Stars #4 (oteoys…)	**Rosette #8** f67v2 Diagram Exterior 4 (okeol…okol dam koaiin...oar) f68r3 Star Quadrant #8 Wand/Branch Head (doary) Outer Ring (…qoeey…oas …) Exterior Label 6 (sceedoy olal) f68v3 Sides #1 (…qoeey…)	f80r Queue Nymph #4 (okolo) f82r Pool #15 Nymph #8 (sokoly) f82v Pool #16 Nymph #3 (okol) Shower f82v #1 (okoldy) f84r Pool #17 Nymph #10 (okol csey) f75v Pool #3 Nymph #10 (olkcey otoly) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) f84r Pool #17 Nymph #11 (otoly) -------- unlikely oekey variants f82r Pool #15 Nymph #6 (olkoky) Shower f84v1 (…okeeey…) f83r Contraption Label (… qokey…) f82r Pool #15 Nymph #6 (olkoky) f82v Rainbow #2 (okeoky okedar)
#21 (toseoldy)	#20-26 (okos, oekey, dar, oeockeey, sceey et saiiiny, sary, dag)	**Rosette #2** Outer Ring (okos…) f68v3 Sides #2 (…okos) f68r3 Star Quadrant #2 Star #1 (okos) f68v3 Inner Ring (okosy…ceoekey…ykor…) f57v Hand-Raiser 1 (otodarag) for #2 Rosette #2 Castle #4 On Bridge to #3 (otcedy otoldy) ---------- f67v2 Diagram Exterior #1 (tol…okor) f68r3 Star Quadrant #2 Star #2 (okory) Rosette #2 Protrusion Bottom-Right (okor)	**Rosette #9** Center #11, #15 (rcsey, ofdag) Outer Ring Sentence #2 (okos…okar…okas…) **Rosette #4** f68r3 Star Quadrant #4 Star #2 (ceockey) f68r3 Star Quadrant #2 (dcey kcey daiir ceok ockey dar) **Rosette #8** Outer Ring (…okos…okor…)	Shower f82v #1 (okoldy) f84v Pool #21 (okar…oldy dar…) ---------- f75v Pool #3 Nymph #7 (dary dal) f78r Pool #5 (otas odl ary orory) f83v Nymph #2 (ololary) ---------- f75r Pool #1 Nymph #5 (saiino) f75r Pool #1 Nymph #7 (dainy) f82v Rainbow #1 (daiiin oty) -------- unlikely oekey variants

		Rosette #1 Quadrant #2 (daiiny) Quadrant #10 (okory) f69r Labeled Interior Bar #17 (ykeeos al dair dar)		Shower f84v1 (…okeeey…) f83r Contraption Label (… qokey…) f82r Pool #15 Nymph #6 (olkoky) f82v Rainbow #2 (okeoky okedar)
#22 (yteoldy)	#27 Black Bryony #2 (tols asy)	**Rosette #4** Compartment #1 (okar…tolfceg...) Compartment #2 (tol…tol…) Compartment #5 (otol ar das l cedy) f68v1 Exterior Stars #4 (otol cees otaly)	**Rosette #2** Castle #4 On Bridge to #3 (otcedy otoldy) f67v2 Diagram Exterior #1 (tol…otoly...okor)	**f75r Pool #1 Nymph #3 (sols)** f83r Bottom Shower #2 (darolsy) f83r Nymph #5 (olsaiin) f75v Pool #3 Nymph #10 (olkcey otoly) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) f84r Pool #17 Nymph #11 (otoly) Shower f82v #1 (okoldy) f84v Pool #21 (okar…oldy dar…) f75v Pool #3 Nymph #7 (dary dal) f78r Pool #5 (otas odl ary orory) f83v Nymph #2 (ololary)
f99v				
#23 (okaragy)	#1 Lupinus Albus? #2-8 (otoldy, otor cey, oldy, das asy, otaly, olsy, arol, otoky)	**Rosette #4** Outer Ring (okar ar okary… otalol…otal …) okar, otol in Compartments #1 and #5 okar in #4-5 Bridge #1 f68v1 Exterior Stars #4 (otol cees otaly) and f68v3 Stars #2 (…cseoekeary…) in line with #3-4 f67v2 Diagram Exterior #2 (ykaral) qokar in f85r2 Quadrant #2	**Rosette #2** Interior Ring (…oekairy…ykary…) okar in Bottom Exterior Label otoly in f67v2 Diagram Exterior #1 f68v3 Diagram Center #3 (darol...) qotor in f85r2 Quadrant #1	f82r Pool #15 Nymph #1 (okar) f82r Pool #15 Nymph #4 (okairajy) f80r Queue Nymph #8-10 (otal cseedy, okar, okair) f77v Nymph #1 (okair ykal) f82v Pool #16 Nymph #1 (okair) f78r Pool #6 (okaral) f84v Pool #21 (okar ydaiirol y ceckey dcseedy okcedy solceey daiin oldy dar cey y csekey oceedy) ---------- f77r Tube #3 (otork) f82v Rainbow #2 (okeoky okedar) f84v Pool #21 (...ydaiirol...) f75v Pool #3 Nymph #2 (dokal darol) -------- otoldy only f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) f84r Pool #17 Nymph #11 (otoly) f75v Pool #3 Nymph #10 (olkcey otoly) ------ olsy only f75r Pool #1 Nymph #3 (sols) f83r Bottom Shower #2 (darolsy) f83r Nymph #5 (olsaiin) ------ old f83r Bottom Shower #1 (sasoldal) f84v Pool #21 (okar ydaiirol y ceckey dcseedy okcedy solceey daiin oldy dar cey y csekey oceedy)
#24 (okoldody)	#9 Lupinus Albus? #10- 14 (oeees ary, daiiino, dary, saiiino, otolsar, osary)	**Rosette #2** Protrusion Top (osal) Bottom Exterior Label (okar oedody) otoly in f67v2 Diagram Exterior #1 Castle #4 On Bridge to #3 otoldy okol in f68v3 Inner Ring qokol in f69r #20 and f68r3 Star Quadrant #3 f68r3 Star Quadrant #8 (toees…qokol…) ycseesos in f68v2 Star Divider #2 sosees in f85r2 Hand-Raisers #1 orar in Interior Ring? **Rosette #1** Quadrant #2 (daiiny) f68r3 Star Quadrant #8 (toees…qokol…) f68v1 Exterior Stars #1 arolsar os, otol in Outer Ring **Rosette #8** okol in f67v2 Diagram Exterior #4 Exterior Label #7 (…osasy) tosain in Outer Ring f85r2 Quadrant #4 (…dody…los ar… qoseey…)		f75r Pool #1 Nymph #5 (saiino) f75r Pool #1 Nymph #7 (dainy) f82v Rainbow #1 (daiiin oty) ---------- f75v Pool #3 Nymph #7 (dary dal) f77r Tube #1 (olkoes) ------ old f83r Bottom Shower #1 (sasoldal) f84v Pool #21 (okar ydaiirol y ceckey dcseedy okcedy solceey daiin oldy dar cey y csekey oceedy) ---------- otolsar only f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) f84r Pool #17 Nymph #11 (otoly) f75v Pool #3 Nymph #10 (olkcey otoly) f75r Pool #1 Nymph #3 (sols) f83r Bottom Shower #2 (darolsy) f83r Nymph #5 (olsaiin) ---------- okoldody f80r Queue Nymph #4 (okolo) f82r Pool #15 Nymph #8 (sokoly) f82v Pool #16 Nymph #3 (okol) Shower f82v #1 (okoldy) f84r Pool #17 Nymph #10 (okol csey)

#25 (darol aly)	#15-19 (okecey otal, ceor olekor, okeodor, olky, doldam)	**Rosette #2** Bottom Exterior Label (okar oedody) f68v3 Diagram Center #1 (otodol) f68v3 Diagram Center #3 (darol...) **olekeey in f68v3 Diagram Center #3** olkeeoly in f68v3 Inner Ring olkor in f85r2 Quadrant #1	**Rosette #8** olkeeodaiin in Outer Ring Smokestack (orarol) f57 dairol f68v1 Exterior Stars #1 arolsar ceotal in f69r #14 f99v #15 (okecey otal) → Rosette #4 Outer Ring (…otalol…otal…) &Compartment #1 (…ykeecey…)	f75v Pool #3 Nymph #2 (dokal darol) f83r Bottom Shower #2 (darolsy) f84v Pool #21 (...ydaiirol...) ------ old f83r Bottom Shower #1 (sasoldal) f84v Pool #21 (okar ydaiirol y ceckey dcseedy okcedy solceey daiin oldy dar cey y csekey oceedy) ---------- otal variants f80r Queue Nymph #8 (otal cseedy) ---------- olky, olekor f77r Tube #1 (olkoes) f80r Queue Nymph #7 Red Towel (olky) f82r Pool #15 Nymph #6 (olkoky) f82v Pool #16 Nymph #2 (olkol) f83r Contraption Label (solkeey…)
#26 (oralar)	#20 Bladderwort (koleearol)	**Rosettes #8** koaiin in f67v2 Diagram Exterior #4 f68v1 Exterior Stars #1 (sair arolsar) Smokestack (orarol) f57v dairol	**Rosette #2** f57v Diagram Center #1 (oralaror) f68v3 Diagram Center #3 (…darol…)	f75v Pool #3 Nymph #2 (dokal darol) f83r Bottom Shower #2 (darolsy) f84v Pool #21 (…ydaiirol…) ---------- f77r Tube #6 (soral) f77v Nymph #4 (sororal) f80r Queue Nymph #1(oraly) f83v Nymph #2 (ololary)
f100r				
#27 (ceos ar ocseol)	#1-11 (soceor cfey, otear, ceofary, sarcear , daiiin dy, oraro, ceal sain, soity, sosam, dakocke, dofam)	**Rosette #1** Quadrant #5-7 (ofary, ofair, ofas) #1-2 Bridge Interior (ofair ofalctey) #1 Quadrant #2 (daiiny) oceeol in f68v3 Sides #1 **Rosette #8** #7-8 Bridges #1-2 (soiiin, ofardy) Exterior Labels #1, #3, #7 (ofain, ydekam, dceos osasy) f67v2 Diagram Exterior #4 (...ofal ol ofalaiin...) Outer Ring (…tosain…otar…om…oqotam…) Smokestack (orarol) f85r2 Hand-Raiser #4 (otar daly) f67v2 Diagram Center #1 (soaiin) otceal in f68r3 Star Quadrant #7 oceeol in f68v3 Sides #1 qotam in f69r #15	**Rosette #7** Outer Ring (orar otar…oty daiiin …otosaiiin…oiin…) otceal in f68r3 Star Quadrant #7	f75r Pool #1 Nymph #5 (saiino) f75r Pool #1 Nymph #7 (dainy) f75v Pool #3 Nymph #6 (oty lcey) f82v Rainbow #1 (daiiin oty)
#28 (cseockeey)	#12-15, #16 Mugwort Variety? (okeeosorol, ol ceom, okols, oteol)	**Rosette #2** f67v2 (….otoly...) #2 Castle #4 On Bridge to #3 (otcedy otoldy) Outer Ring (okos…) f68v3 Inner Ring (okosy…) f68v1 Exterior Stars #2 (oteeos…) qokol in f68r3 Star Quadrants #3 & #8 okol in f68v3 Inner Ring qokol in f69r #20 f68v3 Diagram Center #3 (...ykeol...) f68v3 Inner Ring (…okol …orol… ykeeol) okeol in f68v3 Sides #2	**Rosette #4** Compartment #5 (otol…) ockey, okol and ceockey in f68r3 Star Quadrants # 2, #4 and Quadrant #4 Star #2 okol in Compartment #1 & f68v3 Stars #2 oror in Outer Ring **Rosette #3** ockey & qokol in f68r3 Star Quadrant #2-3 okeol in f68v3 Sides #2 okol in f68v3 Stars #2 ykol in Outer Ring Sentence #2	f82r Pool #15 Nymph #5 (sorosl) f82r Pool #15 Nymph #11 (okeeos) f83r Nymph #4 (cetorol) f82r Tube #1 (orol) ---------- f78r Pool #5 (orory) f77r Nymph #4 (otolaiino) f77v Nymph #4 (sororal) f77r Tube #4 (otol) f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) ---------- all for okols f75r Pool #1 Nymph #3 (sols) f80r Queue Nymph #4 (okolo) f82r Pool #15 Nymph #8 (sokoly) f82v Pool #16 Nymph #3 (okol) f83r Bottom Shower #2 (darolsy) f83r Nymph #5 (olsaiin) f84r Pool #17 Nymph #10 (okol) Shower f82v #1 (okoldy)
f100v				
#29 (unlabeled)	#1-4, #5 Viper's Tongue, #7 Resembles a Philodendron, #9 Broccoli? #10-11, #12-13 Pine? (tolcedceols, opoeor, solsy, soleeesos, ykceocedy, ykcedy, dcedy, dalsy, okceeor, ytceol, dykceal, ceos ctearal)	**Rosettes #1-3** Rosette #1 f68v1 Exterior Stars #1 (sair arolsar) qokcedy (2x), toceedy & toees in f68r3 Star Quadrants #1, #8 araly in f68v1 Exterior Stars #2 Outer Ring (…os…os…opy…) #1-2 Bridge #2 (opotceos…) Rosette #2 Outer Ring (…sarald …okcedy dcedy…) Castle #3 Lighthouse-Like (opoor …) qokcedy (2x), toceedy & toees in f68r3 Star Quadrants #1, #8 + okcedy in f68r3 Star Quadrant #3 araly, okecedaral in f68v1 Exterior Stars #2-3	**Rosette #6** Outer Ring (…ceedaiiin ockceedy cseedy…opor olceedy..) solair and solal in f67v2 Diagram Exterior #3 f85r2 Quadrant #3 (...sorain or cseedy tedy sodaiiin…ceeds…ceedy …) #6-7 Bridge Interior West (osy)	f77r Tube #5 (dcedy) f75r Pool #1 Nymph #3 (sols), f80r Queue Nymph #6 (opor) ---------- f83r Nymph #5 (olsaiin) f83r Bottom Shower #2 (darolsy) f83r Rainbow #1 (…qokcedy…ceedy) f83v Nymph #4 (okcedy) f84r Pool #17 Nymph #12 (dcseedy) f84v Pool #21 (…dcseedy okcedy solceey…oceedy)

		soctes, ycseesos in f68v2 Star Divider #2-3 f68v3 Diagram Center #2-3 (opceol, solaiin) okcedy in f68v3 Sides #2 okceol in f69r #20 sosees in f85r2 Hand-Raisers #1 <u>Rosette #3</u> okcedy in f68r3 Star Quadrant #2, f68v3 Sides #2 and Diagram Interior #3 okecedaral in f68v1 Exterior Stars #3 soctes, ycseesos in f68v2 Star Divider #2-3 cseal in Outer Ring Sentence #1		
f101r1-2				
#30-32 (unlabeled)	f101r1 #1-29 (unlabeled)			
f101v2-v1				
#33 (unlabeled)	f101v2 #1-4 (rair aly, otaldy, otal, yta*y), f101v1 #1-5 (dokor, orar, otarar, otoly, soraly)	**<u>Rosette #2</u>** otoldy in Castle #4 On Bridge to #3 Protrusion Bottom-Right (okor) orar in Interior Ring f57v Diagram Center #1 (oralaror) f67v2 Multi-Face Diagram #1 (otararain) f68r3 Star Quadrant #2 Star #2(okory) okor & otoly in f67v2 Diagram Exterior 1 okor otair & ykor in f68v3 Inner Ring f69r #21 otar cseoral in f85r2 Quadrant #1	Rosette #6 and possibly #4 secondary	f83v Nymph #3 (okor cey) f84r Pool #17 Nymph #11 (otoly) f75v Pool #3 Nymph #10 (olkcey otoly) f80r Queue Nymph #1 (oraly) f80r Queue Nymph #5 (okory) f80r Queue Nymph #8 (otal cseedy) ---------- f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) f77r Tube #6 (soral) f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) f77v Nymph #4 (sororal)
#34 (unlabeled)	f101v2 #5-7 (okol, aroj, oras am), f101v2 #8 (unlabeled), f101v1 #6-10 (dytoly, olkor, dolary, odor, olaran)	**<u>Rosette #2</u>** orar in Interior Ring olar in Outer Ring f68v3 Diagram Center #1 (otodol) okol in f68v3 Inner Ring ---------- otoldy in Castle #4 On Bridge to #3 otoly in f67v2 Diagram Exterior #1 f67v2 Protrusion #2 (oeolales) qokol in f68r3 Star Quadrant #3, #8, f69r #20 orol and olkeeoly in f68v3 Inner Ring oleey in f68v3 Sides #2 f85r2 Quadrant 1 cseoral **f85r2 Quadrant 1 olkor**	Rosette #6 possibly secondary	f77v Tube #1 (otol cseedy) f77v Tube #2 (otolor) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol) -------- f84r Pool #17 Nymph #11 (otoly) f75v Pool #3 Nymph #10 (olkcey otoly) f83v Nymph #2 (ololary) f77r Tube #1 (olkoes) f82r Pool #15 Nymph #6 (olkoky) f82v Pool #16 Nymph #2 (olkol) f80r Queue Nymph #4 (okolo) f82r Pool #15 Nymph #8 (sokoly) f82v Pool #16 Nymph #3 (okol) Shower f82v #1 (okoldy) f84r Pool #17 Nymph #10 (okol csey)
#35 (unlabeled)	f101v2 #9-13, f101v1 #11-15 (unlabeled)			
f102r1				
#36 (dolrod)	#1 Capparis Spinosa? (otodeeodor)	**Rosettes #6 and #2 corners** **<u>#6</u>** otody & otodar in Compartment #6 & #8 Label #3 Exterior Labels #1, #3-4 (ofodydy, otodey, otodedy) otody & otodar in Outer Ring **<u>#2</u>** oedody in Bottom Exterior Label ykodar & ytodaro in Interior Ring okodain, ykodar, ykody & otod in Outer Ring okody in Top Exterior Label f57v Hand-Raiser #1(otodarag) f68v3 Diagram Center #1 (otodol)	Rosette #9 Canister #1 (otdodar oegy)	see Canister #36 f102r1 (dolrod) only ol[rs]od relative to f102v2 #13 (olsodar) – ols odar?
#37 (okolaly)	#2 Water Hemlock Dropwort (or Parsnips) (unlabeled)	**<u>Rosette #2</u>** f67v2 Protrusion #2 (oeolales) qokol in f68r3 Star Quadrant #3, #8 & f69r #20 okol in f68v3 Inner Ring f68v3 Diagram Center #3 (doar ykeol…daly …) f68v3 Sides #2 (okeol...)	**<u>Rosette #3</u>** ykol in Outer Ring Sentence #2 qokol in f68r3 Star Quadrant #3 okol in f68v3 Stars #2 **<u>Rosette #4</u>** okol in Compartment #1, f68v3 Stars #2, f68r3 Star Quadrant #4 Star #1	f80r Queue Nymph #4 (okolo) f82r Pool #15 Nymph #8 (sokoly) f82v Pool #16 Nymph #3 (okol) Shower f82v #1 (okoldy) f84r Pool #17 Nymph #10 (okol csey) f84r Pool #17 Nymph #1 (ololal)
#38 (doaro cse)	#3 European Aspen, #4 Variety of Nightshade (leledy doto)	**<u>Rosette #8</u>** Outer Ring (oto…oas…) f68r3 Star Quadrant #8 Wand/Branch Head (doary) f68r3 Star Quadrant #8 Wand/Branch (oal) f67v2 Diagram Center #1(soaiin) oar & koaiin in f67v2 Diagram Exterior #4	**<u>Rosette #2</u>** f68v3 Diagram Center #3 (doar…) oko in f68v3 Sides #2 Interior Ring (o*oar…ytodaro…) Outer Ring (…oal…oaiin…)	f75v Pool #3 Nymph #6 (oty lcey) f82v Rainbow #1 (daiiin oty)

f102r2				
#39 (*odaiig)	#1 Lungwort, #2 Tormentil (unlabeled)	**Rosette #9** Center #12-13 and #15 (dgl, dtedg, ofdag)	**Rosettes #6 → 4 Progression** - based on the letter g instances for Canister #41 Rosette #4 Exterior Sun (opar odam)	
#40 (*****d)	f102r2 #3-7 (unlabeled)			
#41 (do* toldy y*e***al r***la**g*)	#8 Agrimony, #9 (koldarod, odalyda*y)	**Rosette #9** Center #5 (odal) Center #8 (old) Center #12-13 and #15 (dgl, dtedg, ofdag) Center #16 (ddaro) Sentence #2 (…odal…) Outer Ring Sentence #2 (…odal…)	**Rosette #6** otegar in Outer Ring otegy in Upper-Right Attachment oldar in f85r2 Hand-Raisers #3 arody in f85r2 Quadrant #3 dkeeeg in f68v3 Sides #4 **Rosettes #5-6** otgoldl, dg in f68r3 Star Quadrants #5-6 alag in f68v2 Star Divider #5 okeeg in f68v3 Stars #3 **Rosette #5** otcegaiiin in Outer Ring #4-5 Bridge #2 g **Rosette #4** oparod and tolfceg in Compartment #1 & 6	f83r Bottom Shower #1 (sasoldal) f84v Pool #21 (oldy) Shower f84v (orog) ceeg in Poisoned Nymph
f102v2				
#42 Top, Bottom (porcseols, doaijy)	#1-3, #4 Blue Vitriol (Copper Sulfate), #5-10, #11 Pine? #12-14 (orar, cseor, dacey, okeos, otol, otosy, okad, otody, oeeor, okoroeey, opcey, darol, olsodar, tod)	**Rosettes #8 and #2 definitely, maybe also #1** **Rosette #2** Protrusion Bottom-Left (opcey) Protrusion Bottom-Right (okor) Protrusion Top (osal) Interior Ring (o*oar….odas…ytodaro…orar odar…ykodar…) Outer Ring (okos… otod ykodar cees okodain ol ykody…todar…odair or oal…oaiin …) Top Exterior Label (okody) f57v Diagram Center #1 (oralaror) f57v Hand-Raiser #1 (otodarag) f67v2 Diagram Exterior #1 (...otoly…okor) f67v2 Protrusion #2 (oeolales) f68r3 Star Quadrant #2 Stars #1-2 (okos, okory) oteeos in f68v1 Exterior Stars #2 otosey in f68v2 Stars #2 f68v3 Diagram Center #1 (otodol) f68v3 Diagram Center #3 (doar…darol…) f68v3 Inner Ring (okosy…okeoeeey ol ykor…orol …) okos in f68v3 Sides#2 otoldy in Castle #4 On Bridge to #3 **Rosette #8** Outer Ring (…tosain odar…otad…otdar…okos …cseol…qoeey…otodr oas…okor…) Exterior Label #2, #6-8 (yoe**ais, sceedoy olal, dceos osasy, sair ojam) f67v2 Diagram Center #1 (soaiin) f67v2 Diagram Exterior #4 (…ceol…koaiin…oar) doary, oal, ceeol, dceol in f68r3 Star Quadrant #8 arolsar in f68v1 Exterior Stars #1 odair in f68v2 Star Divider #6 ypcey in f68v2 Stars #8 qoeey in f68v3 Sides #1 okceyd in f68v3 Stars #4 f85r2 Quadrant #4 (…**los** ar cseedy qokcseey **qoseey** or aiin **od**) ceol, lceeol in f85r2 Hand-Raisers #4	Definitely not Rosette #9 or #3 or #4-7 **Rosette #1** Outer Ring (…od sar os…okod okod…otol…) Quadrant #7, #10 (ofas, okory) f68v1 Exterior Stars #1-2 (arolsar, oteeos) qoeey in f68v3 Sides #1 okeodar, ykeeos in f69r #16-17	f75r Pool #1 Nymph #3 (sols) f75v Pool #3 Nymph #2 (darol) f75v Pool #3 Nymph #10 (otoly) f77r Nymph #4 (otolaiino) f77r Tube #4 (otol), f77v Tube #2 (otolor) f80r Queue Nymph #5 (okory) f82r Pool #15 Nymph #4 (okairajy) f82r Pool #15 Nymph #11 (okeeos) f83v Nymph #3 (okor) f83r Nymph #5 (olsaiin) f83r Bottom Shower #2 (darolsy) f84v Pool #21 (ydaiirol) f84r Pool #17 Nymph #11 (otoly)
#43 (okolky)	#15-19 (osair, acky, okeeoraiiin, okockey, o**)	**Rosettes #2-4** #2 Protrusion Top (osal) Protrusion Bottom-Right (okor) ockey in f68r3 Star Quadrant #2 qokol in f68r3 Star Quadrants #3 & #8 f68v3 Inner Ring (…okol …orol… ykeeol) okeol in f68v3 Sides #2 qokol in f69r #20 okeol in f68v3 Sides #2 ykor in f68v3 Inner Ring okory in f68r3 Star Quadrant #2 Star #2 oraiin in f85r2 Quadrant #1 additional e-infixed okol variants in f68v3 #3 oraiiin in Diagram Interior #3 ykol in Outer Ring Sentence #2 qokol in f68r3 Star Quadrant #3 okol in f68v3 Stars #2 #4	Definitely not Rosette #9	f82r Pool #15 Nymph #5 (sorosl) f77r Tube #1 (olkoes) f75v Pool #3 Nymph #10 (olkcey) f83v Nymph #3 (okor) f80r Queue Nymph #4 (okolo) f80r Queue Nymph #7 (olky) f80r Queue Nymph #5 (okory) f82r Pool #15 Nymph #6 (olkoky) f82r Pool #15 Nymph #8 (sokoly) f82v Nymph #5 (olkeedy) f82v Pool #16 Nymph #2 (olkol) f82v Pool #16 Nymph #3 (okol) Shower f82v #1 (okoldy) f83r Contraption Labe1 (solkeey) f84r Pool #17 Nymph #10 (okol)

		okol in Compartment #1 osalal in f67v2 Diagram Exterior 2 ockey in f68r3 Star Quadrant #2 ceockey in f68r3 Star Quadrant #4 Star #2 okol in f68r3 Star Quadrant #4 Star #1 okol in f68v3 Stars #2		
f102v1				
#44 (keoraiin)	#1, #2 "Syringes" Ipomoea Indica? #3-5 (ykeody, okeody, daisaly, ypory, opceytoy)	**Rosette #9** Center #1 (daral) Outer Ring Sentence #2 (…okeody…) Center #2-3, #6, #9-10, #14 (opar, opceees, opy, ypal, opydcse, opy)	**Rosette #4** #3-4 Bridge #1 (opodcedal) keoy in f67v2 Diagram Exterior #2 qokeody in f68v3 Sides #3 oloeorain in f85r2 Quadrant #2 **Rosette #2** #1-2 Bridge #2 (opotceos) Castle #3 Lighthouse-Like (opoor) okeody in f68v3 Stars #1 oraiin in f85r2 Quadrant #1 **Rosette #8** qoeey in Outer Ring & f68v3 Sides #1 Exterior Label 6 (sceedoy) orain and qokeody in f85r2 Quadrant #4 **Rosette #6** opor in Outer Ring yteody in f68v2 Star Divider #4 sorain in f85r2 Quadrant #3	f80r Queue Nymph #6 (opor) f75v Pool #3 Nymph #1 (okcsey saral) f78r Tube Section #3 (daral ocfey) --------- less likely f75v Pool #3 Nymph #5 (ory) f78r Pool #5 (orory) f80r Queue Nymph #5 2 Arms Thrust Backwards (okory)
#45 (***o**)	#6, #7 Valerian Composite, #8 (ypceoldy, losalody, opcedard)	**Rosette #9** Center #8 (old) Center #19 (sody) Center #2-3, #6, #9-10, #14 (opar, opceees, opy, ypal, opydcse, opy) Rosette #9 Outer Ring Sentence #2 (okos os…)	**Rosette #2** Bottom Exterior Label (…oedody) keeody in Interior Ring cedas in Outer Ring ceedar in Protrusion Exterior Protrusion Top (osal) #2-3 Bridge Label #2 (opcseedaiin) #1-2 Bridge #2 ody f68v3 Diagram Center #2 (opceol dg) f68v3 Sides #2 eeody f68v1 Exterior Stars #3 (okecedaral) **Rosette #8** #7-8 Bridge #2 (ofardy) #8 Label (okcedarar) Exterior Label 7 (osasy) tosain, cedar in Outer Ring keody in f68v3 Sides #1 los, dody in f85r2 Quadrant #4 **Rosette #6** #5-6 Bridge Interior (opcedain) opcedar in Outer Ring ofcedar, xoltody & opcedam in Compartment #5 and #8 Label #6-7 **Rosette #4** osalal in f67v2 Diagram Exterior #2 opceody in Compartment #4 ody in f68v3 Sides #3	f84r Pool #17 Nymph #3 (ydy)

Table 30.2: Zodiac Date Label Mappings to Pharmacological Phytomorphs and Canisters

Canister	Ingredients	Best Patterns	Other Matches	Poor Matches
f88r				
#1 (otor ceety)	Line 1 #1-5 (osal, orald, oldar, ototy, otaly)		yto/oto/yty/oty Leo Interior #11 (otoly yty) Cancer Outer #6 (oteey daiiin) Pisces Outer #2 (oty ar) Pisces Outer #19 (oty) **Aries Light Outer #7 (oteotey sary)** Libra Outer #16 (oeeoty) Scorpio Outer #14 (otey) osa Pisces Interior #5 (oteosal) otal variants Pisces Outer #5 (otald) Pisces Outer #6 (otal dar) **Pisces Outer #10 (otaly)** Pisces Outer #11 (otal arar) Pisces Outer #12 (otal dy)	no otor variants orald Gemini Outer #11 (orary) Cancer Intermediate #8 (orary) other osa Taurus Dark Outer #7 (otalef ys ain am) Gemini Interior #5 (ceosar) Cancer Outer #2 (os ar cseeeen) Cancer Interior #2 (os ais al) old Cancer Outer #8 (ofcseoldy) Virgo Outer #13 (okeoldy) Virgo Outer #16 (ceeoldy) only et polygraph

			Pisces Outer #16 (otalalg) **Aries Dark Outer #4 (otaly)** Aries Dark Outer #10 (otal cey tar am dy) Aries Dark Interior #3 (oteoeey otal okeal ar) Aries Light Outer #4 (otaleky) Aries Light Outer #5 (otal dar) Aries Light Outer #8 (otal aly) Aries Light Interior #5 (otal dar) Taurus Light Interior #1 (otalody) Taurus Light Interior #2 (otalaiin) Taurus Dark Outer #3 (ytal csedy) Taurus Dark Outer #7 (otalef ys ain am) Gemini Interior #3 (otal csey) Gemini Interior #9 (otal) **Leo Interior #10 (otaly)** Libra Outer #11 (ytaly) Scorpio Top #1 (otaly) **Scorpio Outer #15 (otaly)**	Cancer Interior #6 (oletal) <u>Sensory Hierarchy (quite distant from ceety)</u> Taurus Light Outer #10 (cefaly) Scorpio Outer #7 (cseekal Scorpio Interior #5 (ceefy) Scorpio Interior #7 (cseek)
#2 (otaldy)	Line 2 #1-5 (orag, dary, okol, sorory, otydy)	**Pisces Outer #2 (oty ar)** **Pisces Outer #5 (otald)** **Pisces Outer #12 (otal dy)** **Pisces Outer #19 (oty)**	<u>okol</u> Pisces Interior #8 (ykolaiin) **Aries Dark Outer #7 (okol csey)** Aries Dark Interior #5 (okoly) Taurus Light Outer #1 (okolar) Leo Outer #5 (okoly) **Sagittarius Top #1 (okol)** <u>other yto/oto/yty/oty</u> Leo Interior #11 (otoly yty) Cancer Outer #6 (oteey daiiin) Aries Light Outer #7 (oteotey sary) Libra Outer #16 (oeeoty) Scorpio Outer #14 (otey) <u>other otal variants</u> Pisces Outer #6 (otal dar) Pisces Outer #10 (otaly) Pisces Outer #11 (otal arar) Pisces Outer #16 (otalalg) Aries Dark Outer #4 (otaly) Aries Dark Outer #10 (otal cey tar am dy) Aries Dark Interior #3 (oteoeey otal okeal ar) Aries Light Outer #4 (otaleky) Aries Light Outer #5 (otal dar) Aries Light Outer #8 (otal aly) Aries Light Interior #5 (otal dar) Taurus Light Interior #1 (otalody) Taurus Light Interior #2 (otalaiin) Taurus Dark Outer #3 (ytal csedy) Taurus Dark Outer #7 (otalef ys ain am) Gemini Interior #3 (otal csey) Gemini Interior #9 (otal) Leo Interior #10 (otaly) Libra Outer #11 (ytaly) Scorpio Top #1 (otaly) Scorpio Outer #15 (otaly)	<u>ora</u> Gemini Outer #11 (orary) Cancer Intermediate #8 (orary) Taurus Light Outer #9 (cear orom) the closest thig to sorory <u>oke$^{1-4}$ol</u> Pisces Outer #13 (okeoly) Gemini Top #5 (okeolar) Leo Outer #12 (okeeol) Leo Outer #15 (okeolo) Virgo Outer #13 (okeoldy) Virgo Interior #1 oekeol) Libra Outer #3 (okeeoly) Libra Outer #19 (okeoly) Libra Interior #8 (okeol) Sagittarius Outer #14 (qokeoly) <u>ary</u> Taurus Dark Outer #1 (oaiin ar ary) Aries Light Outer #7 (oteotey sary) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary)
#3 (ofyskydal)	Line 3 #1, #2 Lupine? (otosag, ofaldo)	Cancer Interior #1 (yfary) Cancer Interior #2 (os ais al)	<u>odal</u> Aries Dark Outer #6 (oteeodals) Libra Outer #4 (odal) <u>other off[ao]</u> Taurus Dark Interior #5 (ofaralar) Leo Outer #7 (ofal als) <u>other osa</u> Pisces Interior #5 (oteosal) Taurus Dark Outer #7 (otalef ys ain am) Gemini Interior #5 (ceosar) Cancer Outer #2 (os ar cseeeen)	<u>o[tk]e1-4os</u> Pisces Interior #5 (oteosal) Aries Light Outer #9 (oteos arar) Scorpio Outer #6 (oteeosy) Scorpio Outer #13 (okeos) Scorpio Interior #10 (okeos) Sagittarius Outer #12 (okeos)
f88v				
#4 (okolyd)	Line 1 #1-4 (ceeoctey, cpeeor, otar arody, otokol)	Aries Dark Interior #4 (otear araydy) **Aries Dark Interior #5 (okoly)**	<u>okol</u> Pisces Interior #8 (ykolaiin) Aries Dark Outer #7 (okol csey) Taurus Light Outer #1 (okolar) **Leo Outer #5 (okoly)** Sagittarius Top #1 (okol) <u>other otar variants</u> Pisces Interior #1 (otalar) Pisces Interior #2 (otalam)	Libra Outer #17 (octey) <u>oke$^{1-4}$ol</u> Pisces Outer #13 (okeoly) Gemini Top #5 (okeolar) Leo Outer #12 (okeeol) Leo Outer #15 (okeolo) Virgo Outer #13 (okeoldy) Virgo Interior #1 oekeol) Libra Outer #3 (okeeoly) Libra Outer #19 (okeoly)

			Pisces Outer #18 (otar) Pisces Interior #10 (otaral) Taurus Light Interior #3 (otar csear) Taurus Dark Outer #5 (otaraldy) Gemini Outer #5 (oteeary) Gemini Outer #6 (otair dy) Gemini Outer #9 (otarar) Gemini Outer #15 (otar al dy) Cancer Intermediate #1 (ytairal)	Libra Interior #8 (okeol) Sagittarius Outer #14 (qokeoly) no cpeeor, arody relatives
#5 (otor am)	Line 2 #1-3 (otory, ceeos dy, okaiiin)	Virgo Interior #7 (ceeosy) Virgo Interior #12 (okaiiiny)	other okai0-4n Cancer Outer #9 (opoeey okaiiin) other ceos variants Gemini Interior #5 (ceosar)	no otor variants
#6 (daram dal)	Line 3 #1-3 (otydary, otdory, darar g am)	yto/oto/yty/oty Pisces Outer #2 (oty ar) Pisces Outer #11 (otal arar) → darar Pisces Outer #16 (otalalg) → g Pisces Outer #19 (oty) **Aries Light Outer #7 (oteotey sary) → oty, dary** Aries Light Outer #9 (oteos arar) → darar	Leo Interior #5 (odair an) Virgo Outer #8 (oteodar) ary Taurus Dark Outer #1 (oaiin ar ary) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) Other g Leo Outer #16 (ogeom) Libra Interior #4 (okogy) Sagittarius Interior #1 (ceeg)	closest relative of otdory Scorpio Outer #9 (okedal) no relatives of daram other yto/oto/yty/oty Leo Interior #11 (otoly yty) Cancer Outer #6 (oteey daiiin) Aries Light Outer #7 (oteotey sary) Libra Outer #16 (oeeoty) Scorpio Outer #14 (otey)
f89r1				
#7 (okcecsey)	Line 1 #1-4 (qkol, oldag, otoldy, arar ceodaiin)	Aries Dark Outer #8 (otcsecsedy) Aries Dark Outer #9 (otol ypcsearal)	other ote0-4ol Aries Dark Interior #1 (otolaiin) Aries Light Outer #2 (oteolar) Aries Light Interior #1 (otol cedy) Aries Light Interior #2 (otol oar am) Aries Light Interior #3 (oteeol) Aries Light Interior #4 (otolced) Gemini Outer #14 (otolam) Leo Outer #6 (otoly) Leo Interior #11 (otoly yty) Libra Outer #18 (oteoly) arar Pisces Outer #11 (otal arar) **Aries Light Outer #9 (oteos arar)**	-- no a[mg] relatives are relevant, no qkol variants old Cancer Outer #8 (ofcseoldy) Virgo Outer #13 (okeoldy) Virgo Outer #16 (ceeoldy) Cancer Outer #7 (oeeeodaiin) closest okcecsey relatives Sagittarius Outer #2 (cecsey) Libra Outer #1 (ocfcsey)
#8 (ykyd)	Line 2 #1-3 (ceol cees, otorain, okaiin dan)	Sagittarius Outer #10 (oraiiny) Sagittarius Outer #16 (cseeol) Sagittarius Interior #1 (ceeg) --------- + Sagittarius Interior #2 (oky) Sagittarius Interior #5 (ykey) Sagittarius Interior #8 (ykey) -------- vs. Sagittarius Outer #5 (ykeody) Sagittarius Outer #6 (okeody) Sagittarius Outer #11 (ykeeody) Sagittarius Outer #15 (okeody) Sagittarius Interior #7 (okeod) orai$^{0-4}$n + okai$^{0-4}$n Cancer Outer #1 (oraiin am) Cancer Outer #9 (opoeey okaiiin) ---------- Virgo Interior #10 (oraiin) Virgo Interior #12 (okaiiiny)	cse1-4ol Taurus Light Interior #4 (cseol csedy) Leo Interior #12 (cseoleey) Unusual daiin variants Aries Dark Outer #2 (otokaim an) Taurus Light Outer #7 (opalar am dan) Taurus Dark Outer #7 (otalef ys ain am) Taurus Dark Outer #10 (cedaiir sain y) Cancer Outer #3 (oto *aiin) Cancer Outer #6 (oteey daiiin) Cancer Intermediate #2 (oeees aiin) Leo Interior #5 (odair an) Leo Interior #7 (oees aiin) Leo Outer #9 (daiiin cecpy) Libra Outer #5 (aiin od) oke$^{0-4}$y Pisces Outer #1 (oky ody) Pisces Outer #14 (oky dy) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) **Gemini Outer #13 (okyd)** Leo Outer #1 (okey) Leo Outer #3 (okyeecsey) Leo Interior #1 (oky) Libra Interior #1 (okeey) Libra Interior #10 (okydy) Scorpio Outer #3 (okeey) Scorpio Interior #4 (oky)	Aries Dark Interior #4 (otear araydy) -- no otor variants
#9 (yko cfey)	Line 3 #1-3 (saldam, sydarary, ydcpody)	Virgo-Sagittarius [yo][tk]e$^{1-4}$ody cluster → ydcpody including Virgo Outer #10-12 (oteeod yteody, okeody), Scorpio Interior #2 (okeeody) near oky, Sagittarius Interior #7 (okeod) near the oky variants in #2, #5, #8 oke$^{0-4}$y Pisces Outer #1 (oky ody) Pisces Outer #14 (oky dy)	odar Leo Interior #5 (odair an) Virgo Outer #8 (oteodar) ald Taurus Dark Outer #5 (otaraldy) Aries Light Outer #1 (oteoaldy)	Aries Light Outer #10 (okldam) stand-alone ody → ydcpody option Pisces Outer #1 (oky ody) Libra Interior #7 (oeeody)

		Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) Gemini Outer #13 (okyd) Leo Outer #1 (okey) Leo Outer #3 (okyeecsey) Leo Interior #1 (oky) Libra Interior #1 (okeey) Libra Interior #10 (okydy) Scorpio Outer #3 (okeey) Scorpio Interior #4 (oky) Sagittarius Interior #2 (oky) Sagittarius Interior #5 (ykey) Sagittarius Interior #8 (ykey)	ary Taurus Dark Outer #1 (oaiin ar ary) Aries Light Outer #7 (oteotey sary) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary)	Leo Outer #8 (cseeeod ocfeey) → cfey unlikely Leo Outer #9 (daiiin cecpy) Taurus Light Outer #3 (al cpey)
f89r2				
#10 (odory)	Line 1 #1-4 (doly, ofceor am, sal oiin cseol, ofceeor)	Cancer Outer #4 (opoiiin oin al aes) Cancer Outer #5 (ypaiiin aloly) Cancer Outer #8 (ofcseoldy) Cancer Intermediate #6 (ykairaiin oiral)	other ofc Gemini Top #1 (ofcedady) Leo Outer #2 (otceeody) Virgo Outer #9 (ofcedy sd) Virgo Interior #8 (ofceeey) Libra Outer #1 (ocfcsey) Sagittarius Outer #9 (ofceeesy) other oi Libra Interior #2 (oiiny) cse1-4ol Taurus Light Interior #4 (cseol csedy) Sagittarius Outer #16 (cseeol) Leo Interior #12 (cseoleey) – also to doly	Taurus Dark Outer #9 (ocseodody) – only odo
#11 (otoldy)	Line 2 #1-2 (otol cseol dy, ofcear oiin)	[yo][fp] + c | cs + e^{1-4}a Aries Dark Outer #9 (otol ypcsearal) Cancer Outer #4 (opoiiin oin al aes) Cancer Outer #8 (ofcseoldy) Cancer Intermediate #6 (ykairaiin oiral) Leo Interior #11 (otoly yty) Leo Interior #12 (cseoleey)	cse1-4ol Taurus Light Interior #4 (cseol csedy) Sagittarius Outer #16 (cseeol) ote0-4ol Aries Dark Outer #9 (otol ypcsearal) Aries Dark Interior #1 (otolaiin) Aries Light Outer #2 (oteolar) Aries Light Interior #1 (otol cedy) Aries Light Interior #2 (otol oar am) Aries Light Interior #3 (oteeol) Aries Light Interior #4 (otolced) Gemini Outer #14 (otolam) Leo Outer #6 (otoly) Libra Outer #18 (oteoly) other ofc Gemini Top #1 (ofcedady) Leo Outer #2 (otceeody) Virgo Outer #9 (ofcedy sd) Virgo Interior #8 (ofceeey) Libra Outer #1 (ocfcsey) Sagittarius Outer #9 (ofceeesy) other oi Libra Interior #2 (oiiny)	other cea Aries Dark Outer #9 (otol ypcsearal) Aries Light Outer #6 (ceeary) Taurus Dark Outer #4 (cear alef) Taurus Dark Outer #8 (oceol cear am) Taurus Light Outer #9 (cear orom) Gemini Interior #8 (okar ceam) Gemini Outer #7 (okair ceam) Leo Outer #10 (oteey dceal) old Cancer Outer #8 (ofcseoldy) Virgo Outer #13 (okeoldy) Virgo Outer #16 (ceeoldy)
#12 (korain y)	Line 3 #1-5 (sodar, ceey s, ceeody, ofor ain, okcsed ceos)	orain Cancer Outer #1 (oraiin am) Cancer Interior #1 (yfary) Virgo Interior #7 (ceeosy) Virgo Interior #10 (oraiin)	odar Leo Interior #5 (odair an) Virgo Outer #8 (oteodar) other ceos variants Gemini Interior #5 (ceosar) ceody variants Leo Outer #8 (cseeeod ocfeey) Sagittarius Top #4 (ceeody) other orain Sagittarius Outer #10 (oraiiny) other fa (no ofo) Taurus Dark Interior #5 (ofaralar) Leo Outer #7 (ofal als)	no okcsed variants ceey variants Scorpio Outer #11 (dal cseey) Aries Dark Outer #7 (okol csey) Aries Dark Outer #10 (otal cey tar am dy) Gemini Interior #3 (otal csey)
#13 (okain y orain)	Line 4 #1-4 (ofakal, otal sy, ytas am, otolarol)	$orai^{0-1}$n + $okai^{0-1}$n Cancer Outer #1 (oraiin am) Cancer Outer #9 (opoeey okaiiin) Cancer Outer #12 (olalsy) closest to sy Cancer Interior #1 (yfary) ---------- Virgo Interior #10 (oraiin)	orain Sagittarius Outer #10 (oraiiny) other ote0-4ol Libra Outer #18 (oteoly) otar variants	no arol relatives

		Virgo Interior #12 (okaiiiny) Leo Outer #6-7 (otoly, ofal als) Leo Interior #10-11 (otaly, otoly yty) Aries Light Interior #1-5 (otol cedy, otol oar am, oteeol, otolced, otalr dar) Aries Light Outer #2, #4-5, #8 (oteolar, otaleky, **otal** dar, **otal** aly) Aries Dark Interior #1, #3-4 (otolaiin, oteoeey **otal** okeal ar, otear araydy)) Aries Dark Outer #4, #9-10 (otaly, otol ypcsearal, **otal** cey tar am dy) Taurus Light Interior #1-3 (otar csear, otalody, otalaiin) Taurus Dark Outer #3, #5, #7 (ytal csedy, otaraldy, otalef ys ain am) Gemini Outer #14-15 (otolam, otar al dy)	Pisces Interior #1 (otalar) Pisces Interior #2 (otalam) Pisces Outer #18 (otar) Pisces Interior #10 (otaral) Gemini Outer #5 (oteeary) Gemini Outer #6 (otair dy) Gemini Outer #9 (otarar) Cancer Intermediate #1 (ytairal) <u>otal variants</u> Pisces Outer #5 (otald) Pisces Outer #6 (**otal** dar) Pisces Outer #10 (otaly) Pisces Outer #11 (**otal** arar) Pisces Outer #12 (**otal** dy) Pisces Outer #16 (**otal**alg) Gemini Interior #3 (**otal** csey) Gemini Interior #9 (**otal**) Libra Outer #11 (ytaly) Scorpio Top #1 (otaly) Scorpio Outer #15 (otaly) <u>oflaol</u> Taurus Dark Interior #5 (ofaralar)	
f89v2				
#14 (ceocedy)	Line 1 #1-5 (okaiil, dar ceeos, ceokaro, cseeol, ceokam)	Gemini Interior #4 (okaldy) Gemini Interior #5 (ceosar) Gemini Interior #8 (okar ceam) <u>okal variants</u> Pisces Outer #3 (okaly) Pisces Interior #7 (okal dal) Aries Dark Outer #3 (okalal) Taurus Dark Outer #2 (okalam) Gemini Outer #1 (okal) Gemini Outer #2 (okaly) Gemini Outer #3 (okal) Gemini Outer #8 (okeal) Gemini Outer #10 (okaly) Gemini Outer #16 (okalar) Cancer Outer #10 (ykal air ol) Cancer Intermediate #7 (okalar) Leo Outer #13 (okaly) Leo Outer #14 (okaldy) Libra Outer #10 (okal) Libra Interior #6 (okalair) Sagittarius Interior #4 (okal) <u>okar variants</u> Pisces Interior #4 (okaram) Pisces Interior #9 (okar am) Taurus Light Outer #5 (okaraiin) Taurus Light Outer #6 (okar ar aly) Gemini Top #3 (okar am) Gemini Top #4 (okairy) Gemini Outer #7 (okair ceam) Cancer Intermediate #6 (ykairaiin oiral) Leo Interior #6 (okary) Scorpio Interior #1 (okary) Sagittarius Outer #13 (ykeear)	<u>cse1-4ol</u> Taurus Light Interior #4 (cseol csedy) Sagittarius Outer #16 (cseeol) Leo Interior #12 (cseoleey) <u>ceos variants</u> Virgo Interior #7 (ceeosy) <u>closest Color/Symptom to ceocedy</u> Taurus Dark Outer #9 (ocseodody) Leo Outer #8 (cseeeod ocfeey) <u>closest to ceokam</u> Aries Dark Outer #2 (otokaim an) Gemini Interior #2 (okam) Leo Outer #18(okam)	
#15 (okory)	Line 2 #1-3 (otair ceody, dykaran, opceedey)	Gemini Top #1 (ofcedady) Gemini Top #3 (okar am) Gemini Top #4 (okairy) Gemini Outer #5 (oteeary) Gemini Outer #6 (otair dy) Gemini Outer #7 (okair ceam) Gemini Outer #9 (otarar) Gemini Outer #15 (otar al dy)	<u>other otar variants</u> Pisces Interior #1 (otalar) Pisces Interior #2 (otalam) Pisces Outer #18 (otar) Pisces Interior #10 (otaral) Aries Dark Interior #4 (otear araydy) Taurus Light Interior #3 (otar csear) Taurus Dark Outer #5 (otaraldy) Cancer Intermediate #1 (ytairal) <u>other okar variants</u> Pisces Interior #4 (okaram) Pisces Interior #9 (okar am) Taurus Light Outer #5 (okaraiin) Taurus Light Outer #6 (okar ar aly) Gemini Interior #8 (okar ceam) Cancer Intermediate #6 (ykairaiin oiral) Leo Interior #6 (okary) Scorpio Interior #1 (okary) Sagittarius Outer #13 (ykeear)	<u>closest remaining opceedey relatives</u> Aries Dark Outer #1 (opceey sal) Virgo Outer #9 (ofcedy sd)

			ceody variants Leo Outer #8 (cseeeod ocfeey) Sagittarius Top #4 (ceeody) oke$^{0-4}$or Virgo Outer # (okeory) Virgo Outer #14 (ykeeor) Scorpio Outer #5(ykeeory) Sagittarius Outer #3 (ykeor)	
#16 (opal oiiir y)	Line 3 #1-4 (otor am, cetcey, odg oky sad oy, dair okoy)	Taurus Light Outer #7 (opalar am dan) Taurus Light Outer #8 (opalor ar) Sagittarius Interior #8 (ykey) Sagittarius Interior #9 (ypal) Cancer Outer #4 (opoiiin oin al aes) Cancer Outer #5 (ypaiiin aloly) Cancer Outer #9 (opoeey okaiiin) Libra Interior #1 (okeey) Libra Interior #2 (oiiny) Libra Interior #3 (oeey) Leo Interior #1 (oky) Leo Interior #2 (cectcey)	other oi Cancer Intermediate #6 (ykairaiin oiral) Other [yo]p[ao] Cancer Interior #7 (opalal) Leo Interior #9 (opal) Sagittarius Outer #4 (opals) o[tk]e$^{0-4}$y Pisces Outer #1 (oky ody) Pisces Outer #14 (oky dy) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) Gemini Outer #13 (okyd) Leo Outer #1 (okey) Leo Outer #3 (okyeecsey) Libra Interior #10 (okydy) Scorpio Outer #3 (okeey) Scorpio Interior #4 (oky) Sagittarius Interior #2 (oky) Sagittarius Interior #5 (ykey) other oe0-4y Aries Dark Interior #3 (oteoeey otal okeal ar) Virgo Outer #6 (ceeoloy)	closest relatives of sad (both unlikely) Pisces Outer #17 (okady) Libra Outer #6 (odady) no otor variants Libra Outer #5 (aiin od) g Pisces Outer #16 (otalalg) Leo Outer #16 (ogeom) Libra Interior #4 (okogy) Sagittarius Interior #1 (ceeg) closest relatives of cetcey Pisces Outer #9 (ceckcey) Taurus Light Outer #3 (al cpey) Leo Outer #9 (daiiin cecpy)
f89v1				
#17 (okor aldy)	Line 1 #1-3 (otockey, otceair, dar cseody)		Scorpio Top #2 (ceockey) cea Aries Dark Outer #9 (otol ypcsearal) oke$^{0-4}$or Virgo Outer # (okeory) Virgo Outer #14 (ykeeor) Scorpio Outer #5(ykeeory) Sagittarius Outer #3 (ykeor) ceody variants Leo Outer #8 (cseeeod ocfeey) Sagittarius Top #4 (ceeody) closest things to relevant ald polygraphs Taurus Dark Outer #5 (otaraldy) Aries Light Outer #1 (oteoaldy)	other cea Aries Light Outer #6 (ceeary) Taurus Dark Outer #4 (cear alef) Taurus Dark Outer #8 (oceol cear am) Taurus Light Outer #9 (cear orom) Gemini Interior #8 (okar ceam) Gemini Outer #7 (okair ceam) Leo Outer #10 (oteey dceal)
#18 (koeeorair)	#4-6 (otos cseos, opol olaiin, opal daiin)	Cancer Intermediate #8 (orary) Cancer Intermediate #9 (olaiin olackey)	o[tk]e$^{1-4}$os Pisces Interior #5 (oteosal) Aries Light Outer #9 (oteos arar) Scorpio Outer #6 (oteeosy) Scorpio Outer #13 (okeos) Scorpio Interior #10 (okeos) Sagittarius Outer #12 (okeos) olai$^{0-4}$n Pisces Interior #8 (ykolaiin) Aries Dark Interior #1 (otolaiin) other ora Gemini Outer #11 (orary) ceos variants Virgo Interior #7 (ceeosy) Gemini Interior #5 (ceosar) other [yo]p[ao] Taurus Light Outer #7 (opalar am dan) Taurus Light Outer #8 (opalor ar) Cancer Interior #7 (opalal) Leo Interior #9 (opal) Cancer Outer #4 (opoiiin oin al aes)	

			Cancer Outer #5 (ypaiiin aloly) Cancer Outer #9 (opoeey okaiiin) Sagittarius Outer #4 (opals) Sagittarius Interior #9 (ypal)	
f99r				
#19 (okar am og)	#1-12 (okary, darar, oky, daly, oroair, okor, salol, skeeal, okary, okolo, otalag, otaldy)	Pisces Outer #1 (oky ody) Pisces Outer #5 (otald) Pisces Outer #6 (otal dar) Pisces Outer #10 (otaly) Pisces Outer #11 (otal arar) Pisces Outer #12 (otal dy) Pisces Outer #14 (oky dy) Pisces Outer #16 (otalalg) <u>okar variants</u> Pisces Interior #4 (okaram) Pisces Interior #9 (okar am) Taurus Light Outer #5 (okaraiin) Taurus Light Outer #6 (okar ar aly) **Gemini Top #3 (okar am)** Gemini Top #4 (okairy)	<u>other otal variants</u> Aries Dark Outer #4 (otaly) Aries Dark Outer #10 (otal cey tar am dy) Aries Dark Interior #3 (oteoeey otal okeal ar) Aries Light Outer #4 (otaleky) Aries Light Outer #5 (otal dar) Aries Light Outer #8 (otal aly) Aries Light Interior #5 (otal dar) Taurus Light Interior #1 (otalody) Taurus Light Interior #2 (otalaiin) Taurus Dark Outer #3 (ytal csedy) Taurus Dark Outer #7 (otalef ys ain am) Gemini Interior #3 (otal csey) Gemini Interior #9 (otal) Leo Interior #10 (otaly) Libra Outer #11 (ytaly) Scorpio Top #1 (otaly) Scorpio Outer #15 (otaly) <u>other okar variants</u> Gemini Outer #7 (okair ceam) Gemini Interior #8 (okar ceam) Cancer Intermediate #6 (ykairaiin oiral) **Leo Interior #6 (okary)** **Scorpio Interior #1 (okary)** Sagittarius Outer #13 (ykeear) <u>o[tk]e$^{0-4}$y</u> Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) Gemini Outer #13 (okyd) Leo Outer #1 (okey) Leo Outer #3 (okyeecsey) Leo Interior #1 (oky) Libra Interior #1 (okeey) Libra Interior #10 (okydy) Scorpio Outer #3 (okeey) Scorpio Interior #4 (oky) Sagittarius Interior #2 (oky) Sagittarius Interior #5 (ykey) Sagittarius Interior #8 (ykey) <u>okol</u> Pisces Interior #8 (ykolaiin) Aries Dark Outer #7 (okol csey) Aries Dark Interior #5 (okoly) Taurus Light Outer #1 (okolar) Leo Outer #5 (okoly) Sagittarius Top #1 (okol) <u>daly</u> Virgo Interior #6 (oeedaly) Gemini Interior #7 (air aly) Leo Interior #3 (laly) <u>darar</u> Pisces Outer #11 (otal arar) Aries Light Outer #9 (oteos arar) <u>alol</u> Pisces Interior #6 (salols) Aries Dark Interior #2 (oteo alols araly) Cancer Outer #5 (ypaiiin aloly) <u>oa</u> Aries Dark Outer #5 (oal ceeg) Aries Light Outer #1 (oteoaldy) Aries Light Outer #3 (okeoaly) Aries Light Interior #2 (otol oar am) Taurus Dark Outer #1 (oaiin ar ary) Cancer Interior #3 (ytoar cseor)	<u>oke$^{1-4}$ol</u> Pisces Outer #13 (okeoly) Gemini Top #5 (okeolar) Leo Outer #12 (okeeol) Leo Outer #15 (okeolo) Virgo Outer #13 (okeoldy) Virgo Interior #1 oekeol) Libra Outer #3 (okeeoly) Libra Outer #19 (okeoly) Libra Interior #8 (okeol) Sagittarius Outer #14 (qokeoly) <u>oke$^{0-4}$or</u> Virgo Outer # (okeory) Virgo Outer #14 (ykeeor) Scorpio Outer #5(ykeeory) Sagittarius Outer #3 (ykeor) <u>cea</u> Aries Dark Outer #9 (otol ypcsearal) Aries Light Outer #6 (ceeary) Taurus Dark Outer #4 (cear alef) Taurus Dark Outer #8 (oceol cear am) Taurus Light Outer #9 (cear orom) *** the only oro Gemini Interior #8 (okar ceam) Gemini Outer #7 (okair ceam) Leo Outer #10 (oteey dceal)
#20 (opasal)	#13-19 (oaso, aloly, oarar, oeoky, oky, okeoly yteold, oeeotoey)	Pisces Outer #13-14 (okeoly, oky dy) Aries Dark Interior #1-3 (otolaiin, oteo alols araly, oteoeey otal okeal ar) Aries Light Outer #1-3 (oteoaldy, oteolar), okeoaly)	<u>other oa</u> Aries Dark Outer #5 (oal ceeg) Aries Light Interior #2 (otol oar am) Taurus Dark Outer #1 (oaiin ar ary)	

		Aries Light Interior #1-4 (otol cedy, (otol oar am, oteeol, otolced) Taurus Light Outer #7-8 (opalar am dan, opalor ar) Gemini Outer #13-14 (okyd, otolam) Cancer Outer #4-5, #7-9 (opoiiin oin al aes, ypaiiin aloly, oeeeodaiin, ofcseoldy, opoeey okaiiin) Leo Interior #9 and #11 (otoly yty, opal) Leo Outer #1 (okey) and #3 (okyeecsey) Libra Interior #1, #3, #7-8, #10 (okeey, oeey, oeeody, okeol, okydy) Libra Outer #12, #16, #18-19 (oeeeos, oeeoty, oteoly, okeoly) Virgo Outer #6, #13, #16 (ceeoldy), #18 (ceeoloy, okeoldy, oeeo daiin) Sagittarius Interior #8-9 (ykey, ypal)	Cancer Interior #3 (ytoar cseor) other [yo]p[ao] Cancer Interior #7 (opalal) Leo Interior #9 (opal) Sagittarius Outer #4 (opals) other alol Pisces Interior #6 (salols) other oke$^{0-4}$y Pisces Outer #1 (oky ody) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) Leo Interior #1 (oky) Scorpio Outer #3 (okeey) Scorpio Interior #4 (oky) Sagittarius Interior #2 (oky) Sagittarius Interior #5 (ykey) ote$^{0-4}$ol Aries Dark Outer #9 (otol ypcsearal) Leo Outer #6 (otoly) oke$^{1-4}$ol Gemini Top #5 (okeolar) Leo Outer #12 (okeeol) Leo Outer #15 (okeolo) Virgo Interior #1 oekeol) Libra Outer #3 (okeeoly) Libra Interior #8 (okeol) Sagittarius Outer #14 (qokeoly)	
#21 (toseoldy)	#20-26 (okos, oekey, dar, oeockeey, sceey et saiiiny, sary, dag)	Scorpio Top #2 (ceockey) o[tk]e$^{1-4}$os Scorpio Outer #6 (oteeosy) Scorpio Outer #13 (okeos) Scorpio Interior #10 (okeos) Sagittarius Outer #12 (okeos) oe$^{1-4}$s → toseoldy less likely Cancer Intermediate #2 (oeees aiin) Cancer Intermediate #5 (ofais oeees aly) Leo Interior #7 (oees aiin) Libra Outer #2 (oees) Libra Outer #12 (oeeeos) Libra Outer #20 (oeees) old Cancer Outer #8 (ofcseoldy) Virgo Outer #13 (okeoldy) Virgo Outer #16 (ceeoldy) o[tk]e$^{0-4}$y Leo Outer #1 (okey) Leo Outer #3 (okyeecsey) Leo Interior #1 (oky) Libra Interior #1 (okeey) Libra Interior #10 (okydy) Scorpio Outer #3 (okeey) Scorpio Interior #4 (oky) Sagittarius Interior #2 (oky) Sagittarius Interior #5 (ykey) Sagittarius Interior #8 (ykey) Unusual daiin variants Aries Dark Outer #2 (otokaim an) Taurus Light Outer #7 (opalar am dan) Taurus Dark Outer #7 (otalef ys ain am) Taurus Dark Outer #10 (cedaiir sain y) Cancer Outer #3 (oto *aiin) Cancer Outer #6 (oteey daiiin) Cancer Intermediate #2 (oeees aiin) Leo Interior #5 (odair an) Leo Interior #7 (oees aiin) Leo Outer #9 (daiiin cecpy) Libra Outer #5 (aiin od)	other o[tk]e1-4os Pisces Interior #5 (oteosal) Aries Light Outer #9 (oteos arar) other o[tk]e$^{0-4}$y Pisces Outer #1 (oky ody) Pisces Outer #14 (oky dy) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) Gemini Outer #13 (okyd) other Unusual *daiin* variants Cancer Outer #3 (oto *aiin) Cancer Outer #6 (oteey daiiin) Cancer Intermediate #2 (oeees aiin) Leo Interior #5 (odair an) Leo Interior #7 (oees aiin) Leo Outer #9 (daiiin cecpy) Libra Outer #5 (aiin od) ary Aries Light Outer #7 (oteotey sary) Taurus Dark Outer #1 (oaiin ar ary) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) no ag, no dam except Aries Light Outer #10 (okldam) only relative of otdaiiiny would be Scorpio Outer #9 (okedal)	
#22 (yteoldy)	#27 Black Bryony #2 (tols asy)	Aries Dark Interior #1 (otolaiin) Aries Dark Interior #2 (oteo alols araly)	ols Pisces Interior #6 (salols) ote0-4ol	unlikely old Virgo Outer #16 (ceeoldy)

			Aries Dark Outer #9 (otol ypcsearal) Aries Light Outer #2 (oteolar) Aries Light Interior #1 (otol cedy) Aries Light Interior #2 (otol oar am) Aries Light Interior #3 (oteeol) Aries Light Interior #4 (otolced) Gemini Outer #14 (otolam) Leo Outer #6 (otoly) Leo Interior #11 (otoly yty) Libra Outer #18 (oteoly) <u>ary</u> (no *as* among the Zodiacs) Aries Light Outer #7 (oteotey sary) Taurus Dark Outer #1 (oaiin ar ary) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) <u>old</u> Cancer Outer #8 (ofcseoldy) Virgo Outer #13 (okeoldy)	
f99v				
#23 (okaragy)	#1 Lupinus Albus? #2-8 (otoldy, otor cey, oldy, das asy, otaly, olsy, arol, otoky)	**Pisces Outer #10 (otaly)** Pisces Outer #11 (otal arar) Pisces Outer #14 (oky dy) Pisces Outer #12 (otal dy) Pisces Outer #16 (otalalg) Pisces Interior #4 (okaram) Pisces Interior #6 (salols) Pisces Interior #9 (okar am) Aries Dark Interior #1 (otolaiin) Aries Dark Interior #2 (oteo alols araly) Aries Dark Outer #9 (otol ypcsearal) Aries Dark Outer #10 (otal cey tar am dy) Aries Light Interior #1 (otol cedy) Aries Light Interior #2 (otol oar am) Aries Light Interior #3 (oteeol) Aries Light Interior #4 (otolced) Aries Light Interior #5 (otal dar) Aries Light Outer #2 (oteolar) Aries Light Outer #4 (otaleky) Aries Light Outer #5 (otal dar) Aries Light Outer #8 (otal aly) Gemini Outer #13 (okyd) Gemini Outer #14 (otolam) Gemini Interior #8 (okar ceam) Gemini Interior #9 (otal) Leo Interior #10 (otaly) Leo Interior #11 (otoly yty) Scorpio Interior #1 (okary) Scorpio Interior #4 (oky)	<u>other ote$^{0-4}$ol</u> Leo Outer #6 (otoly) Libra Outer #18 (oteoly) <u>other okar variants</u> Taurus Light Outer #5 (okaraiin) Taurus Light Outer #6 (okar ar aly) Gemini Top #3 (okar am) Gemini Top #4 (okairy) Gemini Outer #7 (okair ceam) Cancer Intermediate #6 (ykairaiin oiral) Leo Interior #6 (okary) Sagittarius Outer #13 (ykeear) <u>other o[tk]e$^{0-4}$y</u> Pisces Outer #1 (oky ody) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) Leo Outer #1 (okey) Leo Outer #3 (okyeecsey) Leo Interior #1 (oky) Libra Interior #1 (okeey) Libra Interior #10 (okydy) Scorpio Outer #3 (okeey) Sagittarius Interior #2 (oky) Sagittarius Interior #5 (ykey) Sagittarius Interior #8 (ykey) <u>other otal variants</u> Pisces Outer #5 (otald) Pisces Outer #6 (otal dar) **Aries Dark Outer #4 (otaly)** Aries Dark Interior #3 (oteoeey otal okeal ar) Taurus Light Interior #1 (otalody) Taurus Light Interior #2 (otalaiin) Taurus Dark Outer #3 (ytal csedy) Taurus Dark Outer #7 (otalef ys ain am) Gemini Interior #3 (otal csey) **Libra Outer #11 (ytaly)** **Scorpio Top #1 (otaly)** **Scorpio Outer #15 (otaly)**	<u>ary</u> (no *as* among the Zodiacs) Aries Light Outer #7 (oteotey sary) Taurus Dark Outer #1 (oaiin ar ary) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) <u>darar</u> Pisces Outer #11 (otal arar) Aries Light Outer #9 (oteos arar) <u>old</u> Cancer Outer #8 (ofcseoldy) Virgo Outer #13 (okeoldy) Virgo Outer #16 (ceeoldy)
#24 (okoldody)	#9 Lupinus Albus? #10-14 (oeees ary, daiiino, dary, saiiino, otolsar, osary)	Taurus Dark Outer #1 (oaiin ar ary) Taurus Dark Outer #7 (otalef ys ain am) Taurus Dark Outer #9 (ocseodody) Taurus Dark Outer #10 (cedaiir sain y) Libra Outer #2 (oees) Libra Outer #3 (okeeoly) Libra Outer #12 (oeeeos) Libra Outer #18 (oteoly) Libra Outer #19 (okeoly) Libra Outer #20 (oeees) Leo Outer #5 (okoly) Leo Outer #6 (otoly)	<u>other osa</u> Pisces Interior #5 (oteosal) Gemini Interior #5 (ceosar) Cancer Outer #2 (os ar cseeeen) Cancer Interior #2 (os ais al) <u>other oe$^{1-4}$s</u> Cancer Intermediate #2 (oeees aiin) Cancer Intermediate #5 (ofais oeees aly) Leo Interior #7 (oees aiin) <u>other ary</u> Aries Light Outer #7 (oteotey sary) Taurus Dark Interior #3 (okeey ary) Gemini Outer #4 (okeey ary) <u>ote$^{0-4}$ol</u> Aries Dark Outer #9 (otol ypcsearal)	<u>old</u> Cancer Outer #8 (ofcseoldy) Virgo Outer #13 (okeoldy) Virgo Outer #16 (ceeoldy) <u>ols</u> Pisces Interior #6 (salols) Aries Dark Interior #2 (oteo alols araly) <u>Other Unusual daiin variants</u> Aries Dark Outer #2 (otokaim an) Taurus Light Outer #7 (opalar am dan) Taurus Dark Outer #7 (otalef ys ain am) Cancer Outer #3 (oto *aiin) Cancer Outer #6 (oteey daiiin) Cancer Intermediate #2 (oeees aiin) Leo Interior #5 (odair an) Leo Interior #7 (oees aiin)

			Aries Dark Interior #1 (otolaiin) Aries Light Outer #2 (oteolar) Aries Light Interior #1 (otol cedy) Aries Light Interior #2 (otol oar am) Aries Light Interior #3 (oteeol) Aries Light Interior #4 (otolced) Gemini Outer #14 (otolam) Leo Interior #11 (otoly yty) <u>okol</u> Pisces Interior #8 (ykolaiin) Aries Dark Outer #7 (okol csey) Aries Dark Interior #5 (okoly) Taurus Light Outer #1 (okolar) Sagittarius Top #1 (okol) <u>oke$^{1-4}$ol</u> Pisces Outer #13 (okeoly) Gemini Top #5 (okeolar) Leo Outer #12 (okeeol) Leo Outer #15 (okeolo) Virgo Outer #13 (okeoldy) Virgo Interior #1 oekeol) Libra Interior #8 (okeol) Sagittarius Outer #14 (qokeoly)	Leo Outer #9 (daiiin cecpy) Libra Outer #5 (aiin od)
#25 (darol aly)	#15-19 (okecey otal, ceor olekor, okeodor, olky, doldam)	Aries Light Outer #4 (otaleky)	Taurus Dark Outer #9 (ocseodody) <u>aly</u> Gemini Interior #7 (air aly) Leo Interior #3 (laly) <u>other otal variants</u> Pisces Outer #5 (otald) Pisces Outer #6 (otal dar) Pisces Outer #10 (otaly) Pisces Outer #11 (otal arar) Pisces Outer #12 (otal dy) Pisces Outer #16 (otalalg) Aries Dark Outer #4 (otaly) Aries Dark Outer #10 (otal cey tar am dy) Aries Dark Interior #3 (oteoeey otal okeal ar) Aries Light Outer #5 (otal dar) Aries Light Outer #8 (otal aly) Aries Light Interior #5 (otal dar) Taurus Light Interior #1 (otalody) Taurus Light Interior #2 (otalaiin) Taurus Dark Outer #3 (ytal csedy) Taurus Dark Outer #7 (otalef ys ain am) Gemini Interior #3 (otal csey) Gemini Interior #9 (otal) Leo Interior #10 (otaly) Libra Outer #11 (ytaly) Scorpio Top #1 (otaly) Scorpio Outer #15 (otaly)	<u>olk</u> Cancer Outer #11 (olkal aiin) Virgo Interior #5 (olkar) <u>old</u> Cancer Outer #8 (ofcseoldy) Virgo Outer #13 (okeoldy) Virgo Outer #16 (ceeoldy)
#26 (oralar)	#20 Bladderwort (koleearol)		<u>ora and olar</u> Gemini Outer #11 (orary) Cancer Intermediate #8 (orary) Pisces Interior #3 (dolar am)	
f100r				
#27 (ceos ar ocseol)	#1-11 (soceor cfey, otear, ceofary, sarcear, daiiin dy, oraro, ceal sain, soity, sosam, dakocke, dofam)	Taurus Dark Outer #7 (otalef ys ain am) – unusual daiiin, osa Taurus Dark Outer #8 (oceol cear am) – on 2 Taurus Dark Outer #9 (ocseodody) Taurus Dark Outer #10 (cedaiir sain y) – unusual daiiin Gemini Outer #9 (otarar) Gemini Outer #11 (orary) Leo Outer #7 (ofal als) Leo Outer #9 (daiiin cecpy) distantly to cfey too?	<u>other ora</u> Cancer Intermediate #8 (orary) <u>other of[ao]</u> Taurus Dark Interior #5 (ofaralar) Cancer Interior #1 (yfary) <u>other osa</u> Pisces Interior #5 (oteosal) Gemini Interior #5 (ceosar) Cancer Outer #2 (os ar cseeeen) Cancer Interior #2 (os ais al) <u>other Unusual daiin variants</u> Cancer Outer #6 (oteey daiiin) <u>other oi</u> Cancer Outer #4 (opoiiin oin al aes) Cancer Intermediate #6 (ykairaiin oiral) Libra Interior #2 (oiiny)	<u>Other cea</u> Aries Dark Outer #9 (otol ypcsearal) Leo Outer #8 (cseeeod ocfeey) → cfey unlikely Taurus Light Outer #3 (al cpey) Leo Outer #9 (daiiin cecpy) <u>unlike Unusual daiin variants</u> Aries Dark Outer #2 (otokaim an) Taurus Light Outer #7 (opalar am dan) Cancer Outer #3 (oto *aiin) Cancer Intermediate #2 (oeees aiin) Leo Interior #5 (odair an) Leo Interior #7 (oees aiin) Libra Outer #5 (aiin od)

			Scorpio Top #2 (ceockey) <u>ceos variants</u> Virgo Interior #7 (ceeosy) Gemini Interior #5 (ceosar) <u>cea</u> Aries Light Outer #6 (ceeary) Taurus Dark Outer #4 (cear alef) Taurus Light Outer #9 (cear orom) Gemini Interior #8 (okar ceam) Gemini Outer #7 (okair ceam) Leo Outer #10 (oteey dceal) <u>otar variants</u> Pisces Interior #1 (otalar) Pisces Interior #2 (otalam) Pisces Interior #10 (otaral) Pisces Outer #18 (otar) Aries Dark Interior #4 (otear araydy) Taurus Light Interior #3 (otar csear) Taurus Dark Outer #5 (otaraldy) Gemini Outer #5 (oteeary) Gemini Outer #6 (otair dy) Gemini Outer #15 (otar al dy) Cancer Intermediate #1 (ytairal)	
#28 (cseockeey)	#12-15, #16 Mugwort Variety? (okeeosorol, ol ceom, okols, oteol)	Pisces Interior #5 (oteosal) Pisces Interior #6 (salols) Pisces Interior #8 (ykolaiin) Aries Dark Outer #7 (okol csey) Aries Dark Outer #9 (otol ypcsearal) Aries Dark Interior #1 (otolaiin) Aries Dark Interior #2 (oteo alols araly) Aries Dark Interior #5 (okoly) Gemini Top #5 (okeolar) Sagittarius Top #1 (okol) Scorpio Top #2 (ceockey) Libra Outer #18 (oteoly) Libra Outer #19 (okeoly) <u>o[tk]e$^{1-4}$os</u> Scorpio Outer #6 (oteeosy) Scorpio Outer #13 (okeos) Scorpio Interior #10 (okeos) Sagittarius Outer #12 (okeos)	Taurus Light Outer #9 (cear orom) <u>other o[tk]e$^{1-4}$os</u> Aries Light Outer #9 (oteos arar) <u>other okol</u> Taurus Light Outer #1 (okolar) Leo Outer #5 (okoly) <u>oke$^{1-4}$ol</u> Pisces Outer #13 (okeoly) Leo Outer #12 (okeeol) Leo Outer #15 (okeolo) Virgo Outer #13 (okeoldy) Virgo Interior #1 oekeol) Libra Outer #3 (okeeoly) Libra Interior #8 (okeol) Sagittarius Outer #14 (qokeoly) <u>ote$^{0-4}$ol</u> Aries Light Outer #2 (oteolar) Aries Light Interior #1 (otol cedy) Aries Light Interior #2 (otol oar am) Aries Light Interior #3 (oteeol) Aries Light Interior #4 (otolced) Gemini Outer #14 (otolam) Leo Outer #6 (otoly) Leo Interior #11 (otoly yty)	
f100v				
#29 (unlabeled)	#1-4, #5 Viper's Tongue, #7 Resembles a Philodendron, #9 Broccoli? #10-11, #12-13 Pine? (tolcedceols, opoeor, solsy, soleeesos, ykceocedy, ykcedy, dcedy, dalsy, okceeor, ytceol, dykceal, ceos ctearal)	Cancer Outer #4 (opoiiin oin al aes) Cancer Outer #7 (oeeeodaiin) Cancer Outer #9 (opoeey okaiiin) Cancer Outer #12 (olalsy) Taurus Light Interior #4 (cseol csedy) – both members but both common Pisces Interior #6 (salols) Pisces Interior #7 (okal dal)	Aries Light Interior #4 (otolced) Taurus Dark Interior #1 (otceo csey) <u>ols</u> Aries Dark Interior #2 (oteo alols araly) <u>other cse$^{1-4}$ol</u> Taurus Light Interior #4 (cseol csedy) Sagittarius Outer #16 (cseeol) Leo Interior #12 (cseoleey) <u>other dalsy relatives</u> Aries Dark Outer #6 (oteeodals) Leo Outer #7 (ofal als) Scorpio Outer #11 (dal cseey) <u>other cedy variants</u> Scorpio Outer #10 (cedy) <u>other oe$^{0-4}$o</u> Virgo Outer #18 (oeeo daiin) Libra Outer #12 (oeeeos) – on both oe0-4o and os Libra Outer #16 (oeeoty) Libra Interior #7 (oeeody)	<u>other cea</u> Aries Dark Outer #9 (otol ypcsearal)

			other ceos variants Virgo Interior #7 (ceeosy) Gemini Interior #5 (ceosar) cea Aries Light Outer #6 (ceeary) Taurus Dark Outer #4 (cear alef) Taurus Dark Outer #8 (oceol cear am) Taurus Light Outer #9 (cear orom) Gemini Interior #8 (okar ceam) Gemini Outer #7 (okair ceam) Leo Outer #10 (oteey dceal) $oe^{1-4}s$ → soleeesos unlikely Cancer Intermediate #2 (oeees aiin) Cancer Intermediate #5 (ofais oeees aly) Leo Interior #7 (oees aiin) Libra Outer #2 (oees) Libra Outer #20 (oeees)	
f101r1-2				
#30-32 (unlabeled)	f101r1 #1-29 (unlabeled)			
f101v2-v1				
#33 (unlabeled)	f101v2 #1-4 (rair aly, otaldy, otal, yta*y), f101v1 #1-5 (dokor, orar, otarar, otoly, soraly)	Aries Dark Interior #1 (otolaiin) Aries Dark Interior #4 (otear araydy) Gemini Outer #5 (oteeary) Gemini Outer #6 (otair dy) Gemini Outer #9 (otarar) Gemini Outer #11 (orary) Gemini Outer #14 (otolam) Gemini Outer #15 (otar al dy)	other otar variants Pisces Interior #1 (otalar) Pisces Interior #2 (otalam) Pisces Outer #18 (otar) Pisces Interior #10 (otaral) Taurus Light Interior #3 (otar csear) Taurus Dark Outer #5 (otaraldy) Cancer Intermediate #1 (ytairal) other $ote^{0-4}ol$ Aries Dark Outer #9 (otol ypcsearal) Aries Light Outer #2 (oteolar) Aries Light Interior #1 (otol cedy) Aries Light Interior #2 (otol oar am) Aries Light Interior #3 (oteeol) Aries Light Interior #4 (otolced) Leo Outer #6 (otoly) Leo Interior #11 (otoly yty) Libra Outer #18 (oteoly) other ora Cancer Intermediate #8 (orary) aly Gemini Interior #7 (air aly) Leo Interior #3 (laly) $oke^{0-4}or$ Virgo Outer # (okeory) Virgo Outer #14 (ykeeor) Scorpio Outer #5(ykeeory) Sagittarius Outer #3 (ykeor)	
#34 (unlabeled)	f101v2 #5-7 (okol, aroj, oras am), f101v2 #8 (unlabeled), f101v1 #6-10 (dytoly, olkor, dolary, odor, olaran)	Pisces Interior #3 (dolar am) Aries Dark Outer #7 (okol csey) Aries Dark Outer #9 (otol ypcsearal) Aries Dark Interior #1 (otolaiin) Aries Dark Interior #5 (okoly) Leo Outer #5 (okoly) Leo Outer #6 (otoly) Libra Outer #18 (oteoly) Libra Outer #19 (okeoly)	Taurus Dark Outer #9 (ocseodody) ora Gemini Outer #11 (orary) Cancer Intermediate #8 (orary) yto/oto/yty/oty Pisces Outer #2 (oty ar) Pisces Outer #19 (oty) Aries Light Outer #7 (oteotey sary) Leo Interior #11 (otoly yty) Cancer Outer #6 (oteey daiiin) Libra Outer #16 (oeeoty) Scorpio Outer #14 (otey) $ote^{0-4}ol$ Aries Light Outer #2 (oteolar) Aries Light Interior #1 (otol cedy) Aries Light Interior #2 (otol oar am) Aries Light Interior #3 (oteeol) Aries Light Interior #4 (otolced) Gemini Outer #14 (otolam) Leo Interior #11 (otoly yty) other okol	olk Cancer Outer #11 (olkal aiin) Virgo Interior #5 (olkar)

			Pisces Interior #8 (ykolaiin) Taurus Light Outer #1 (okolar) Sagittarius Top #1 (okol) other oke$^{1-4}$ol Pisces Outer #13 (okeoly) Gemini Top #5 (okeolar) Leo Outer #12 (okeeol) Leo Outer #15 (okeolo) Virgo Outer #13 (okeoldy) Virgo Interior #1 oekeol) Libra Outer #3 (okeeoly) Libra Interior #8 (okeol) Sagittarius Outer #14 (qokeoly)	
#35 (unlabeled)	f101v2 #9-13, f101v1 #11-15 (unlabeled)			
f102r1				
#36 (dolrod)	#1 Capparis Spinosa? (otodeeodor)		Libra Outer #5 (aiin od) ols Pisces Interior #6 (salols) Aries Dark Interior #2 (oteo alols araly) Taurus Dark Outer #9 (ocseodody) Pisces Outer #4 (otody) yto/oto/yty/oty Leo Interior #11 (otoly yty) Cancer Outer #6 (oteey daiiin) Pisces Outer #2 (oty ar) Pisces Outer #19 (oty) Aries Light Outer #7 (oteotey sary) Libra Outer #16 (oeeoty) Scorpio Outer #14 (otey)	
#37 (okolaly)	#2 Water Hemlock Dropwort (or Parsnips) (unlabeled)		Gemini Interior #7 (air aly) Leo Interior #3 (laly) okol Pisces Interior #8 (ykolaiin) Aries Dark Outer #7 (okol csey) Aries Dark Interior #5 (okoly) Taurus Light Outer #1 (okolar) Leo Outer #5 (okoly) Sagittarius Top #1 (okol) oke$^{1-4}$ol Pisces Outer #13 (okeoly) Gemini Top #5 (okeolar) Leo Outer #12 (okeeol) Leo Outer #15 (okeolo) Virgo Outer #13 (okeoldy) Virgo Interior #1 oekeol) Libra Outer #3 (okeeoly) Libra Outer #19 (okeoly) Libra Interior #8 (okeol) Sagittarius Outer #14 (qokeoly)	
#38 (doaro cse)	#3 European Aspen, #4 Variety of Nightshade (leledy doto)	**Cancer Interior #3 (ytoar cseor)** Cancer Outer #6 (oteey daiiin) Aries Light Outer #1 (oteoaldy) Aries Light Outer #3 (okeoaly) Aries Light Outer #7 (oteotey sary)	oa Aries Dark Outer #5 (oal ceeg) Aries Light Interior #2 (otol oar am) Taurus Dark Outer #1 (oaiin ar ary) yto/oto/yty/oty Pisces Outer #2 (oty ar) Pisces Outer #19 (oty) Leo Interior #11 (otoly yty) Libra Outer #16 (oeeoty) Scorpio Outer #14 (otey)	old Cancer Outer #8 (ofcseoldy) Virgo Outer #13 (okeoldy) Virgo Outer #16 (ceeoldy)
f102r2				
#39 (*odaiig)	#1 Lungwort, #2 Tormentil (unlabeled)		odai$^{0-4}$[dlrsmg | n] Aries Dark Outer #6 (oteeodals) Cancer Outer #7 (oeeeodaiin) Leo Interior #5 (odair an) Virgo Outer #8 (oteodar) Libra Outer #4 (odal) Libra Outer #5 (aiin od) Libra Outer #6 (odady)	
#40 (*****d)	f102r2 #3-7 (unlabeled)			
#41 (do* toldy y*e***al	#8 Agrimony, #9 (koldarod, odalyda*y)		old Cancer Outer #8 (ofcseoldy)	

r***la**g*)			Virgo Outer #13 (okeoldy) Virgo Outer #16 (ceeoldy) daly Virgo Interior #6 (oeedaly) Gemini Interior #7 (air aly) Leo Interior #3 (laly) odal Aries Dark Outer #6 (oteeodals) Libra Outer #4 (odal)	
f102v2				
#42 Top, Bottom (porcseols, doaijy)	#1-3, #4 Blue Vitriol (Copper Sulfate), #5-10, #11 Pine? #12-14 (orar, cseor, dacey, okeos, otol, otosy, okad, otody, oeeor, okoroeey, opcey, darol, olsodar, tod)	Pisces Interior #5 (oteosal) Pisces Interior #6 (salols) Pisces Outer #4 (otody) Pisces Outer #7 (okody) Pisces Outer #17 (okady) Sagittarius Outer #3 (ykeor) Sagittarius Outer #12 (okeos) Sagittarius Outer #16 (cseeol) o[tk]e$^{1-4}$os Scorpio Outer #6 (oteeosy) Scorpio Outer #13 (okeos) Scorpio Interior #10 (okeos) oke$^{0-4}$or Scorpio Outer #5(ykeeory) Leo Interior #11 (otoly yty) Leo Interior #12 (cseoleey)	Aries Dark Outer #1 (opceey sal) Libra Outer #5 (aiin od) Libra Outer #12 (oeeeos) other cse$^{1-4}$ol Taurus Light Interior #4 (cseol csedy) other [tk]e$^{1-4}$os Aries Light Outer #9 (oteos arar) other oke$^{0-4}$or Virgo Outer #4 (okeory) Virgo Outer #14 (ykeeor) other ols Aries Dark Interior #2 (oteo alols araly) other ora Gemini Outer #11 (orary) Cancer Intermediate #8 (orary) oa Aries Dark Outer #5 (oal ceeg) Aries Light Outer #1 (oteoaldy) Aries Light Outer #3 (okeoaly) Aries Light Interior #2 (otol oar am) Taurus Dark Outer #1 (oaiin ar ary) Cancer Interior #3 (ytoar cseor) ote$^{0-4}$ol Aries Dark Outer #9 (otol ypcsearal) Aries Dark Interior #1 (otolaiin) Aries Light Outer #2 (oteolar) Aries Light Interior #1 (otol cedy) Aries Light Interior #2 (otol oar am) Aries Light Interior #3 (oteeol) Aries Light Interior #4 (otolced) Gemini Outer #14 (otolam) Leo Outer #6 (otoly) Libra Outer #18 (oteoly) odar Leo Interior #5 (odair an) Virgo Outer #8 (oteodar)	
#43 (okolky)	#15-19 (osair, acky, okeeoraiiin, okockey, o**)	Cancer Outer #1 (oraiin am) Cancer Outer #2 (os ar cseeeen) Cancer Intermediate #9 (olaiin olackey) Virgo Outer #4 (okeory) Virgo Outer #13 (okeoldy) Virgo Outer #14 (ykeeor) Virgo Interior #1 (oekeol) Virgo Interior #5 (olkar) Virgo Interior #10 (oraiin)	Scorpio Top #2 (ceockey) other olk Cancer Outer #11 (olkal aiin) other oke$^{0-4}$or Scorpio Outer #5(ykeeory) Sagittarius Outer #3 (ykeor) okol Pisces Interior #8 (ykolaiin) Aries Dark Outer #7 (okol csey) Aries Dark Interior #5 (okoly) Taurus Light Outer #1 (okolar) Leo Outer #5 (okoly) Sagittarius Top #1 (okol) other oke$^{1-4}$ol Pisces Outer #13 (okeoly) Gemini Top #5 (okeolar) Leo Outer #12 (okeeol) Leo Outer #15 (okeolo) Libra Outer #3 (okeeoly)	

			Libra Outer #19 (okeoly) Libra Interior #8 (okeol) Sagittarius Outer #14 (qokeoly) <u>other orain</u> Sagittarius Outer #10 (oraiiny) <u>other osa</u> Pisces Interior #5 (oteosal) Taurus Dark Outer #7 (otalef ys ain am) Gemini Interior #5 (ceosar) Cancer Interior #2 (os ais al)	
f102v1				
#44 (keoraiin)	#1, #2 "Syringes" Ipomoea Indica? #3-5 (ykeody, okeody, daisaly, ypory, opceytoy)	Aries Dark Interior #2 (oteo alols araly) Aries Dark Interior #3 (oteoeey otal okeal ar) Cancer Outer #1 (oraiin am) Cancer Outer #4 (opoiiin oin al aes) Cancer Outer #9 (opoeey okaiiin) – on both opo and oey Virgo Outer #6 (ceeoloy) Virgo Outer #10 (oteeod) Virgo Outer #11 (yteody) Virgo Outer #12 (okeody) Sagittarius Outer #10 (oraiiny) Sagittarius Outer #11 (ykeeody)	<u>opcey relatives</u> Aries Dark Outer #1 (opceey sal) <u>other potential daisaly relatives</u> Cancer Interior #5 (aral) <u>other orain</u> Virgo Interior #10 (oraiin) Libra Interior #3 (oeey)	
#45 (***o**)	#6, #7 Valerian Composite, #8 (ypceoldy, losalody, opcedard)		<u>ypceoldy relatives</u> Cancer Outer #8 (ofcseoldy) <u>opcedard relatives</u> Virgo Outer #9 (ofcedy sd) Gemini Top #1(ofcedady) Aries Dark Outer #1 (opceey sal) Pisces Outer #1 (oky ody) Libra Interior #7 (oeeody) <u>osa</u> Pisces Interior #5 (oteosal) Taurus Dark Outer #7 (otalef ys ain am) Gemini Interior #5 (ceosar) Cancer Outer #2 (os ar cseeeen) Cancer Interior #2 (os ais al)	

<u>Table 30.3: Canister Mappings to Specific Herbal Folios</u>

Canister	Ingredients		
f88r			
#1 (otor ceety)	Line 1 #1-5 (osal, orald, oldar, ototy, otaly)	f3r Sawtooth Spurge	oporar,otal,pceeoldom,qoraiin
	Categories: otal variants, osa, otor variants, old, ote0-4y, ora, ote0-4y, ety, [yo]te4or	f9r European Holly	cfeodoral,dcseoldy,koraiin,oraiin,ytor
		f9v Viola Tricolor (Pansy)	cety,otal,qotor,toldy,ytoldy
		f10r Chicory/Endive	cety,etyd,osain,otor,qotor
		f30v Spindle or Dogs Mercury	ceeoldy,cseeoldy,cseosaiin,cteoldy,ytor
		f33r Henbane	oldor,otal,otor,qotor,yfoldy
		f33v Maces	oldy,orain,oram,otal,porar
		f34r Cowbane	cety,oldam,ololdy,ysair
		f34v Pomegranate	ceoraiin,oldaiin,oldam,oldar,orair,qoldar,ytal
		f36r Sycamore/Maple Composite	cety,oral,qooldy,qorain,sold,ytorory
		f39r Fumitory #1	dold,orain,otal,ytor
		f40r Carnation Type #2	okoldy,oraiin,orain,otor
		f42r Sorrel and Wood Sorrel	ceety,ceotor,doraiiin,ety,qotor
		f43r Creeping or Cursed Buttercup	ceety,old,qotaly,toldy
		f46r Flea Seed (Plantago/Plantain Composite)	aloldy,ceety,osaiin,ytaly
		f48v Bulbous Buttercup (Ranunculus #2)	ceety,loldy,oldy,otal,otoldy
		f50r Drosera Species	osam,otal,qotal,qotor
		f51v Juniper	fold,olceeety,qotal,ytal
		f54r Woundwort (Stachys)	ceety,koldy,korare,oldam
		f87r Fleawort	ceety,qoeeeety,soraiin,ypceocpeeosaiin,ysaiin
#2 (otaldy)	Line 2 #1-5 (orag, dary, okol, sorory, otydy)	f24r Silene Latifolia	okol,otal,porory
	Categories: otal variants, okol variants, [yo]ke4ol, oro, ora, [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix, [yo][fptk | dlrsmg][ao]g	f36r Sycamore/Maple Composite	okol,oral,qorain,ytorory
		f44v Colocynth	cseorody,okol,otal
		f51v Juniper	cseokog,otykol,qokol,qotal,ykol,ytal
		f55r Geranium/Herb Robert	okol,orai,orol,otal,otaldiin
		f65v	okag,otal,qokol,qotal
#3 (ofyskydal)	Line 3 #1, #2 Lupine? (otosag, ofaldo)	f51v Juniper	cseokog,qodal,yfal
	Categories: [yo]te4or, otor variants, yodai0-4l, [yo][fp]y, otos variants, [yo][fptk | dlrsmg][ao]g, [yo]fa	f65v	kodal,okag,teodal,yceoopy,ykofar

		f95r2 Fumitory #2	odaly,ofar
f88v			
#4 (okolyd)	Line 1 #1-4 (ceeoctey, cpeeor, otar arody, otokol)	f8r Libbards Bane Candidate #1	ceeoctey,ceocty,cpeol,otariin
	Categories: [yo]ke4ol, okol variants, otar variants, cpeo-initial, aro[dlrsmg], oc[fpt]e4y	f13v Honeysuckle	cpeol,qoctey,qokol,ykol
		f19v Nailwort/Hairy Forked Chickweed	ceoctey,darom,ytar
		f25r Balm of Gilead "dair otaiir otosy"	cpeoldy,cseoctey,otaiir
		f30v Spindle or Dogs Mercury	ceocteey,ceokol,cetoctey,cpeoaiin
		f36r Sycamore/Maple Composite	ceytaroiin,cpeor,okol,otaro
		f37v European Aspen	ceocteey,cpeorod,qoctey,ykol
		f43r Creeping or Cursed Buttercup	otary,qokol,qotar,tarodaiin,ykolor
		f50v Alpine Snowbell	arod,otar,qokol
		f53v	cpeo,cpeom,qokol,yceoctey
		f55r Geranium/Herb Robert	arod,cpeeody,okol,otar
		f93r Scabwort or Middle/Common Fleabane	ceotar,qokol,yceoctey
		f94v Orris Root	cseeoctey,otar,qotar,ykol,ytar
		f96r Black Hellebore	ceocty,ckeoctey,cpeeol,cpeeor,cseokocfey,okol
#5 (otor am)	Line 2 #1-3 (otory, ceeos dy, okaiiin)	f15r Sow Thistles	kokaiin,okaiin,qokaiin,qotor
	Categories: [yo]te4or, otor variants, [yo]kai0-4n	f23v Borage	okaiin,otor,qokaiin,qotceotor
		f33r Henbane	okaiin,okain,otor,qotor
		f36v Galium Aparine (Cleavers)	okaiin,qotor,ytor,ytory
		f37r Danewort (Sambucus Ebulus)	okaiin,qokaiin,qotor,ykaiin
		f39v Carnation Type #1 or Morning Glory/Bindweed	cseeykaiin,fdykain,okaiin,okain,otor,qokaiin,qokain
		f50r Drosera Species	okain,qokaiin,qokain,qotor,ykain,ykykaiin
#6 (daram dal)	Line 3 #1-3 (otydary, otdory, darar g am)	f34r Cowbane	amg,ceyty,daram,otey,ykceeg,ytey
	Categories: a[dlrsmg]am, ote0-4y, [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix, g, ote0-4y, a[lr][ao][lr], o[fptk]d, o[fptk]eda[lrsm | n], o[fptk]edai4n	f66v Houndstongue	ceeoteey,dalam,qokd,yteey
f89r1			
#7 (okcecsey)	Line 1 #1-4 (qkol, oldag, otoldy, arar ceodaiin)	f2r Centaurea Benedicta/Cyanus/Diffusa	cseodaiin,fodan,kydain,kydainy,ytoldy
	Categories: a[lr][ao][lr], old, q[fptk]o[dlrsmg], yodai0-4n, otol variants, [yo]te4ol	f3r Sawtooth Spurge	cseodaiin,odaiin,okodaiin,otol,pceeoldom,qodaiin
		f4v Rampion	ceodain,ceoldy,cseodaiin,qodaiin,qotol
		f7r Starflower	ceeodaiin,cekoldy,dold,fceodaiin,odaiin,qko
		f8r Libbards Bane Candidate #1	ceeodaiin,ceodaiin,ceotol,koltoldy,otodaiin,teeodan
		f9r European Holly	dcseoldy,odaiin,qotol,ytol
		f13v Honeysuckle	foldaiin,otol,ydain
		f18r Helichrysum "Snake Rose"	cseoldy,doldaiin,doldy,ydaiin,ytol
		f20r Vipers Bugloss	ceodaiin,ceokoldy,ceotol,otol,pceodaiin,qotol,sceodain
		f20v Asphodeline	ceodaiin,ceoldy,otol
		f21v Dittany Disambiguation	ceodaiin,odaiin,qotol,todaiin,toldcsey
		f22r Crimson Clover	ceoldcey,dydain,odaiin,oldam,oldor,otoldy,ydaiin
		f22v Peony Subspecies	cekoldy,cseotoly,odaiin
		f28r Smearwort/Adders Tongue Relative	ceodaiin,otol,otoldy,qodaiin,qoldy
		f29v German Speedwell	cteold,odaiin,otol,ydaiin
		f37v European Aspen	qotol,qotoldy,todain
		f43r Creeping or Cursed Buttercup	odain,old,otolol,tarodaiin,toldy,ytol
		f44v Colocynth	odaiin,otol,otoldy
		f51v Juniper	ceeodain,ceodain,cseodaiin,fold,qodaiin,qotol,todaiin
		f52r Pasqueflower	koldal,qofydaiin,ytoldy
		f53v	cseodaiin,odaiin,otoldy,todaiin,ycteodaiin,ydaiin
		f54r Woundwort (Stachys)	cteeotol,koldy,okeodaiin,oldam,otol,podaiin,ytodaiin
		f87v Lousewort & Primrose	old,oldar,otol,yteodain
#8 (ykyd)	Line 2 #1-3 (ceol cees, otorain, okaiin dan)	f9r European Holly	koraiin,okain,oraiin,qotod
	Categories: [yo]kai0-4n, oke0-4y, orai0-4n, [yo]te4or, od endings, otor variants	f33v Maces	dyky,okaiin,okain,orain
		f36r Sycamore/Maple Composite	okaiin,qorain,yd,ykaiiin
		f39r Fumitory #1	cseyky,orain,qokaiin,ykaiin,ykeey
		f49v Liverwort (Ranunculus #4)	ceokaiin,ceokoran,kod,okeod,qokceod
#9 (yko cfey)	Line 3 #1-3 (saldam, sydarary, ydcpody)	f8r Libbards Bane Candidate #1	ceodar,ceoto,cfeodar
	Categories: o[fptk]o, odc-Nouns, cfe4[yo], ai0-4[dlrsmg][dlrsmg], dairol/soral relatives, yodai0-4r	f23r Agrimony Candidate #2	dalory,pydcedom,ykyko
		f23v Borage	cseoaldy,oaldary,podairol,qoto
		f24v Daylily (Hemerocallis)	odceees,tceodar,ydals
		f26r Black Alder	aldy,odaiir
		f90r1 Scabious or Carthamus	darala,lkaldy,oko,qodar,ydar,ykodar
f89r2			
#10 (odory)	Line 1 #1-4 (doly, ofceor am, sal oiin cseol, ofceeor)	f9r European Holly	ceokoiin,cfeodoral,okoiin,toiin
	Categories: odo, oly, oi, ofc + e4 + y | dy | o + [lr] Superset	f17v Smilax	doiir,pceodol,pois,qokoiir
		f30r Lily of the Valley	doiin,keeodol,soiin,soin
		f96r Black Hellebore	ceodol,cseodol,oiir,otceodor
#11 (otoldy)	Line 2 #1-2 (otol cseol dy, ofcear oiin)	f4v Rampion	okoiin,otoiin,pceooiin,qotceoiin,qotol
	Categories: oi, [yo]te4ol, cear variants, otol variants	f9r European Holly	ceokoiin,okoiin,qotol,toiin,ytol
		f14r Black Salsify or Vipers Grass	cseoiin,koiin,oir,qotolo,soiiin
		f20r Vipers Bugloss	ceoiin,ceotol,cseoiin,otol,qotol
		f22r Crimson Clover	cteoiin,doiiin,doiin,doroiin,oiin,otoldy
		f28v Citron Digitata	ceoiin,cseoiin,otol,pceoiiin,qooiiin,qotol,tcseoiin
		f32r Basil	doiin,doiir,fceoiin,otol,qotol
		f37v European Aspen	ceoiin,ceon,otoiin,qokceon,qokoiiin,qotoiin,qotol,qotoldy,soiiin,soiin,sotoiiin,ytoiin

#12 (korain y)	Line 3 #1-5 (sodar, ceey s, ceeody, ofor ain, okcsed ceos)	f26r Black Alder	ceofo,odaiir,qokcedy
	Categories: [yo]fa, [yo]fo, orai0-4n, yodai0-4r, [yo][fptk]ce4d, okce0-4dy	f26v Alder Relative	odar,okcedy,qodary
		f34r Cowbane	ceodar,qokcedy,yfody,ykcedy
		f40r Carnation Type #2	keodar,qokced
		f40v Vampirecup Infection of Colchicum	qokcedy,todar
		f41r Spikenard (not Ploughman's)	qodar,ypced
		f43v Motherwort & Snakeweed/Easter Ledges	qokceedy,yfor
		f53r	sodar,ykcedy,ykeodar
		f55r Geranium/Herb Robert	odar,okced,qokcedy
		f57r Licebane/Blue Field Madder	odair,oforam,okcedy
		f93r Scabwort or Middle/Common Fleabane	cteodar,otodar,qotced,sodar,ykced
		f94v Orris Root	okcedy,qodar,qokcedy,qokceedy,qokcsed
#13 (okain y orain)	Line 4 #1-4 (ofakal, otal sy, ytas am, otolarol)	f3r Sawtooth Spurge	otal,qoraiin,tcseeoaromf40v Vampirecup Infection of Colchicum
	Categories:[yo]fa, otal variants, otar variants, okol variants, oke4ol, [yo]kai0-4n, orai0-4n, aro[dlrsmg], [yo]ke4ol	f33v Maces	okaiin,okain,orain,otal
		f39r Fumitory #1	orain,otal,qokaiin,ykaiin
		f39v Carnation Type #1 or Morning Glory/Bindweed	cseeykaiiin,fdykain,okaiin,okain,otal,qokaiin,qokain,sarol
		f42r Sorrel and Wood Sorrel	ceokaiin,doraiiin,ofaiin
		f50v Alpine Snowbell	arod,ofar,okaiin,okain
		f51v Juniper	dykaiin,qotal,yfal,ytal
		f55r Geranium/Herb Robert	arod,okaiin,okain,otal,otaldiin,qofair,qokaiin
		f55v Turmeric or Clove	keeyfar,okaiin,orain,qokaiin,ykaiin,ykain,ykan
		f65v	okaiin,otal,qotal,ykofar
		f95v2 Common Baneberry/Toadroot	okaiin,okain,otalain,qofaiin,qokan
		f95v1 Hollyhock	cseoyfar,okaiin,okain,otal,otaldy,qokaiin,qokain
f89v2			
#14 (ceocedy)	Line 1 #1-5 (okaiil, dar ceeos, ceokaro, cseeol, ceokam)	f31v Disambiguation of Foxglove/Throatwort	ceeokar,ockeedy,okal,okam
	Categories: okar variants, okal variants, okam variants, [yo]c + e4dy	f33r Henbane	okal,okaldy,qofockedy,qokaldy,qokar,ykam
		f34v Pomegranate	dyceedy,okal,okam,qokar,ykar
		f39r Fumitory #1	okair,okalceeg,okam,qockedy,qokal,qokaldar,qokam,ykal,ykar
		f43v Motherwort & Snakeweed/Easter Ledges	oceedy,okaldy,okam,okar,qocteedy,qokar,ykar
		f46r Flea Seed (Plantago/Plantain Composite)	ocfeedy,okal,qokaldy,qokam,qokar,ykal,ykar
#15 (okory)	Line 2 #1-3 (otair ceody, dykaran, opceedey)	f9r European Holly	okaiir,okor,otar
	Categories: okar variants, otar variants, [yo]ke4or, okor variants, opce0-4dy	f23r Agrimony Candidate #2	okaiir,okar,ykor,yteair
		f31v Disambiguation of Foxglove/Throatwort	ceeokar,okor,otar
		f34r Cowbane	okor,qokar,ytar
		f34v Pomegranate	otar,qokar,**qopcedy**,ykar,**ypcedy**
		f39v Carnation Type #1 or Morning Glory/Bindweed	oekar,okar,otar,qokar,ykar,ytedykor
		f43r Creeping or Cursed Buttercup	ceokor,**opcedy**,otary,qotar,ykor
		f46v Greater Fleabane	**opceedy**,otar,qokar,ykaiir,ykar,ytair
		f48v Bulbous Buttercup (Ranunculus #2)	okar,otar,qokar,tokar,**ypceedy**,ytar
		f50v Alpine Snowbell	okair,okar,**opceedy**,otar,ykar,ykor
		f94v Orris Root	**opcedy**,otar,qokar,qotar,ytar
		f95r2 Fumitory #2	okar,okor,otar,qokar,**qopcedy**,qotar
#16 (opal oiiir y)	Line 3 #1-4 (otor am, cetcey, odg oky sad oy, dair okoy)	f4v Rampion	kceoy,okoiin,otoiin,otor,pceooiin,qokoy,qotceoiin,ytceoy
	Categories: [yo]pa, oi, otor variants, [yo]te4or, g, oy + oe4y, oke0-4y, c-sequence + e4 + [fptk] + c-sequence + e4 + y	f5v Mallow	dg,qotor,ykoiin,ytoiiin,ytor
		f9r European Holly	ceokoiin,okoiin,otoy,oykeey,toiin,ytor
		f9v Viola Tricolor (Pansy)	ceoy,qotor,soiin
		f10r Chicory/Endive	doiir,otor,oykceor,qotor,ytoiin
		f14v Wood Betony	cteoldg,oykcsey,pdyceoiin
		f17v Smilax	ceoy,doiir,otor,oy,oytor,pois,qokoiir
		f18v "koldarod" Agrimony Candidate #1	cpeoy,g,qotor,ytdg,ytor
		f20v Asphodeline	ceoiin,cseeoy,doiiin,okoiin,okoy,otor
		f23v Borage	doroiin,g,oiin,oloiir,otor,qotceotor
		f30v Spindle or Dogs Mercury	doiin,oycsey,ytor
		f36r Sycamore/Maple Composite	ceytaroiin,gaiin,qoypceol,soiin,ytorory
		f49r Lesser Celandine (Ranunculus #3)	ceoiin,ceoroiin,oy,qotor
		f52v Scorpion Weed/Tail (Heliotrope)	cseoloiin,g,ytor
		f87v Lousewort & Primrose	ceeoy,cseoeey,g,qokeog,soiin
		f93r Scabwort or Middle/Common Fleabane	g,opalefom,otor
		f96v Black Bryony	dteodoiin,opar,soy
f89v1			
#17 (okor aldy)	Line 1 #1-3 (otockey, otceair, dar cseody)	f6v Ricin	ceockey,okor,ooceockey,qokor
	Categories: ai0-4[dlrsmg][dlrsmg], cear varaints, ote0-4y, ocke4y, okor variants, [yo]ke4or	**f13r Rhubarb**	**daldy,okorory,ykor**
		f13v Honeysuckle	okald,qocky
		f14r Black Salsify or Vipers Grass	ockey,okor
		f17r Aristolochia Lanceolata	**cpealdy,okor**
		f22r Crimson Clover	okor,qockey
		f23v Borage	**cseoaldy,oaldary,qokor**
		f34r Cowbane	kaldaiin,okor
		f38r Rhinanthus - Alpine Rattlespot	ceockey,ceokokor,okor,qokor
		f43r Creeping or Cursed Buttercup	**ceokor,okaldy,ykor**
		f43v Motherwort & Snakeweed/Easter Ledges	aldar,daldar,kaldy,ockey,okaldy
		f45v Lavender	olald,qockey
		f46r Flea Seed (Plantago/Plantain Composite)	cseeockey,kaldy

		f48r Buttercup #1 "dairokoy" (Ranunculus #1)	ceeockey,daldy
		f51r Phryne or German Madwort	aldy,qockeey
		f51v Juniper	ceockeey,oceockey,okor,qockey
		f54v	aldam,qockeey,qockey,yckeey
		f87r Fleawort	aldy,saldal,tockey
		f90r1 Scabious or Carthamus	**ceockey,lkaldy,okor**
		f90r2 Pennywort Composite	qockeey,qokor
		f93r Scabwort or Middle/Common Fleabane	okor,qokor,yceockey
#18 (koeeorair)	#4-6 (otos cseos, opol olaiin, opal daiin)	f3r Sawtooth Spurge	oporar,qopal,qopol,qoraiin
	Categories: [yo]pa, [yo]po, oo + oe4o, ora, otos variants, olai0-4n, [yo]te4os	f17r Aristolochia Lanceolata	olaiin,ypaim,ypod
		f24v Daylily (Hemerocallis)	ocpeoraiin,opom,oraiin
		f31v Disambiguation of Foxglove/Throatwort	oeeeos,opal,oraiin
		f33v Maces	olaiin,oor,orain,oram,porar
		f42r Sorrel and Wood Sorrel	doraiiin,qopor
		f48r Buttercup #1 "dairokoy" (Ranunculus #1)	olaiin,opaldy
		f50r Drosera Species	olaiin,opal
		f55r Geranium/Herb Robert	cedolaiin,orai
		f65v	cseeopam,yceoopy
		f90v2 Tansy or Hairy Fleabane	opol,qokoor
		f94r Moonwort	olaiin,opais,opary
		f96v Black Bryony	opar,oral
f99r			
#19 (okar am og)	#1-12 (okary, darar, oky, daly, oroair, okor, salol, skeeal, okary, okolo, otalag, otaldy)	f16r Hyssop (or Cannabis)	ceoky,doal,dtoaiin,dyky,orom,qokol,qoky,tceoky,toror,ykair,yky
	Categories: g, oe0-4o, oro, oa, oke0-4y, okol variants, [yo]ke4ol, [yo]ke4or, okor variants, otal variants, okar variants, a[lr][ao][lr], [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	f17v Smilax	koaiin,oal,oekor,okar,okeeey,okeey,okol,qoaiin,qoain,qokeee,qokeey,qokoiir,ykeey
		f18v "koldarod" Agrimony Candidate #1	doky,g,oaiin,qokol,qoky,ykar,ykol,ytdg
		f23r Agrimony Candidate #2	g,okaiir,okar,okol,opyaiin,qoaiin,qokeey,qokol,qokoldy,ykor,yky
		f33v Maces	dyky,lceoar,okar,okardy,okary,oky,otal,qokor,tokar,ykar
		f40r Carnation Type #2	cseokor,lokar,okair,okar,okol,okoldy,oky,qokar,qokol,qoky,toar,yaiin
		f45v Lavender	ceeg,oaiir,okol,okolor,oky,qokey,ykar
		f50v Alpine Snowbell	ceoky,okair,okar,oky,qoain,qokol,ykar,ykeeey,ykor
		f51v Juniper	cseokog,okor,otykol,qokey,qokol,qotal,yceeoky,ykeey,ykol,ytal
		f54v	oaiin,oky,qokar,qokeey,yair,ykar,ykoldam,ytal
		f55r Geranium/Herb Robert	dceykey,oain,oas,okair,okar,okeey,okol,orol,otal,otaldiin,qokar,ykaiir,ykair,ykar
		f65v	okag,otal,qokar,qokol,qoky,qotal
		f94r Moonwort	ceoky,oar,okair,okar,oky,otalaiin,otaly,qokair,qokol,qoky,ykaro
#20 (opasal)	#13-19 (oaso, aloly, oarar, oeoky, oky, okeoly yteold, oeeotoey)	f3r Sawtooth Spurge	okeey,oky,oteol,qokeey,qopal,qoteol,tcseeoarom
	Categories: ocke4y, oe0-4o, [yo]pa, oa, oke0-4y, okol variants, [yo]ke4ol, [yo]te4ol, otol variants, oy + oe4y, a[lr][ao][lr]	f3v Mugwort/Wormwood Subtype (not Vulgaris)	cteodoaly,koaiin,oey,okeol,qoteeol,qotoy,ykoaiin
		f4v Rampion	ceoaiin,ceoteol,ceykey,cseoky,kceoy,oar,okeol,qokoy,ytceoy
		f17v Smilax	ceoy,koaiin,oal,okeeey,okeeol,okeey,okeol,oteol,oy,oytor,qoaiin,qoain,qokeee,qokeey,ykeey
		f20r Vipers Bugloss	ceokoaiin,ceoky,ceoteol,oceoaiin,qotoeey,toy
		f21r Paper/Sun Spurge (Wartwort) or Rupturewort	okeoaiin,oky,qokeol,qoteeol,ykeey,yteol
		f31v Disambiguation of Foxglove/Throatwort	ceeeoy,cseoar,okeey,okeol,okey,oky,opal,oteol
		f41v Apiaceae Umbelliferae	ceoy,keoy,okeey,okey,oteol,qoteol,ykeeol,ykeey
		f43v Motherwort & Snakeweed/Easter Ledges	ceoal,oky,oloaiin,oteol,oykeedy,qokeey,qoky
		f48r Buttercup #1 "dairokoy" (Ranunculus #1)	cseeokeol,okeoam,okey,opaldy,oteol,oteoly,qokeol,ykeey,yteeol
		f90v1 Hedge Mustard	ceeokeey,oeey,okeeey,okeeol,oteol,qokeeoky,qoky,ykeeol
		f90v2 Tansy or Hairy Fleabane	ceoy,okeeey,oteeol,qoar,qokeey,qokeol,ykeeol,ykeey
		f93r Scabwort or Middle/Common Fleabane	cseeoky,oain,oar,okeol,opalefom,oteol
#21 (toseoldy)	#20-26 (okos, oekey, dar, oeockeey, sceey et saiiiny, sary, dag)	f13v Honeysuckle	okos,qocky
	Categories: ola, oe0-4o, [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix, okos variants, sc-initial, o[fptk]edai4n, ocke4y, g, oro, os, oke0-4y	f14r Black Salsify or Vipers Grass	ceodalg,ockey
		f51v Juniper	ceockeey,cseokog,dsceeey,oceockey,qockey
		f87v Lousewort & Primrose	g,qokeog,sceey,scte,yceeockey
		f93r Scabwort or Middle/Common Fleabane	g,yceockey
#22 (yteoldy)	#27 Black Bryony #2 (tols asy)	f3r Sawtooth Spurge	oteol,qoteol,sols
	Categories: ols, [yo]te4ol, otol variants, [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	f39r Fumitory #1	oteol,ykeols
		f41v Apiaceae Umbelliferae	cseeols,oteol,qoteol
		f42v European Columbine	cseols,oteol
		f46r Flea Seed (Plantago/Plantain Composite)	cseeoteoly,ols,qoteol
		f90v2 Tansy or Hairy Fleabane	olols,oteeol
		f90v1 Hedge Mustard	oleees,oteol
		f93r Scabwort or Middle/Common Fleabane	ceotols,oteol,teols
f99v			
#23 (okaragy)	#1 Lupinus Albus? #2-8 (otoldy, otor cey, oldy, das asy, otaly, olsy, arol, otoky)	f3r Sawtooth Spurge	otal,otol,pceeoldom,sols
	Categories: otal variants, otol variants, [yo]te4ol,otor variants, [yo]te4or,ols, old, aro[dlrsmg], oke4y, [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix, okar variants	f8r Libbards Bane Candidate #1	ceotol,koltoldy,okar,qokar,qotor
		f9r European Holly	dcseoldy,okaiir,qotol,ytol,ytor
		f9v Viola Tricolor (Pansy)	otal,otol,qotor,toldy,ytoldy
		f13v Honeysuckle	foldaiin,ols,otal,otol,ytal
		f18v "koldarod" Agrimony Candidate #1	qotor,told,ykar,ytol,ytor
		f23v Borage	oldaiin,oldal,oldar,olols,ols,olsar,otol,otor,qotceotor
		f33r Henbane	oldor,otal,otor,qokar,qotor,yfoldy
		f36r Sycamore/Maple Composite	dolsain,qooldy,qotol,sold,ytorory
		f37v European Aspen	cteols,dytory,qotol,qotoldy,qotor,ykeeols
		f39r Fumitory #1	dold,okair,otal,ykar,ykeols,ytor
		f42r Sorrel and Wood Sorrel	ceotor,cseotol,kolsceees,otol,qokar,qotor

		f44v Colocynth	otal,otol,otoldy,qotor
		f45v Lavender	dceoldy,otor,qotol,ykar
		f46r Flea Seed (Plantago/Plantain Composite)	aloldy,ols,qokar,ykar,ytaly
		f48v Bulbous Buttercup (Ranunculus #2)	loldy,okar,oldy,otal,otoldy,otoly,qokar,tokar
		f52v Scorpion Weed/Tail (Heliotrope)	qoekar,sols,ytol,ytor
#24 (okoldody)	#9 Lupinus Albus? #10-14 (oeees ary, daiiino, dary, saiiino, otolsar, osary)	f3r Sawtooth Spurge	okol,otol,qokol,qosceodam,sols
	Categories:oe0-4s, otol variants, [yo]te4ol,[yo]ke4ol,ols, osa, okol variants, dody, [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	f20r Vipers Bugloss	ceoees,ceokoldy,ceotol,cseosaiin,otol,qotol
		f30v Spindle or Dogs Mercury	ceeotol,ceokol,cseosaiin,sos
		f34r Cowbane	dody,qotol,ysair
		f37v European Aspen	cteols,osceo,qotol,qotoldy,ykeeols,ykol
		f42r Sorrel and Wood Sorrel	cseotol,kolsceees,okol,os,otol
		f46r Flea Seed (Plantago/Plantain Composite)	ols,osaiin,qokol
		f90v1 Hedge Mustard	cseokol,keeos,kos,oleees,otol,ytol
		f93r Scabwort or Middle/Common Fleabane	ceotols,cseeoees,cseotol,los,osos,otol,qokol,teols,ysaiin
		f96v Black Bryony	cteeodody,os,otol,sosar,ysarasod
#25 (darol aly)	#15-19 (okecey otal, ceor olekor, okeodor, olky, doldam)	f34v Pomegranate	ceeceey,ceolky,okcey,oldaiin,oldam,oldar,qokcey,qoldar,ytal
	Categories: olk, old, odo, otal variants, [yo]ke4od, ece polygraph, okce0-4y, aro[dlrsmg], [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix	f39r Fumitory #1	ceolkal,cseeolkedy,cseockecey,dold,odor,olkaiin,otal,qolkain
		f41v Apiaceae Umbelliferae	okeody,old,olkeeo,qokeody,qotal,ykeeody
		f43r Creeping or Cursed Buttercup	ceeolkeepcey,cseodody,old,olky,qeokcey,qotaly,toldy,ykeody
		f44v Colocynth	otal,otoldy,qokcey,yolkol
		f46r Flea Seed (Plantago/Plantain Composite)	aloldy,cseolkal,cseolkcsey,olkeody,tecey,ytaly
		f48r Buttercup #1 "dairokoy" (Ranunculus #1)	keceodcseey,lolkeol,lotal,okeody,otal,tolkeol,ykeeodam,ykeeody,yteceed
		f51v Juniper	cseodol,fold,olkeeody,qotal,ytal
		f55v Turmeric or Clove	okeody,oldy,olkeecey,qokcey
		f95v1 Hollyhock	dolkain,dolkcey,okcseey,okcsey,olkcedy,otal,otaldy,qokcse,qokcsey,qokeeod
#26 (oralar)	#20 Bladderwort (koleearol)	f8v Comfrey	dolar,sorain
	Categories; aro[dlrsmg], ola, ora	f33v Maces	olaiin,orain,oram,porar
		f39r Fumitory #1	ceolal,olaiin,orain,qolain
		f39v Carnation Type #1 or Morning Glory/Bindweed	olaiir,oraly,sarol
		f40r Carnation Type #2	olaiin,oraiin,orain
		f40v Vampirecup Infection of Colchicum	arody,arol,oraiin,solaiin
		f45v Lavender	korary,olald
		f55r Geranium/Herb Robert	arod,cedolaiin,orai
f100r			
#27 (ceos ar ocseol)	#1-11 (soceor cfey, otear, ceofary, sarcear, daiiin dy, oraro, ceal sain, soity, sosam, dakocke, dofam)	f6v Ricin	**ceockey,**cseocteol,oceoly,**ooceockey,**ysar
	Categories:o + c | cs + e4o[lr], otar variants, ora, oi, osa, ocke4y, cfe4[yo], ceal variants, cear variants, [yo]fa	f9r European Holly	ceokoiin,cfeodoral,okoiin,toiin, otar
		f9v Viola Tricolor (Pansy)	foceor,qoceol,soiin
		f10r Chicory/Endive	cfey,doiir,osain,qocteoly,ytoiin, oqotar, otar
		f20r Vipers Bugloss	ceoiin,cseoiin,cseosaiin,oceol,oceolcseod
		f20v Asphodeline	**ceeockey,ceockey**,ceoiin,ceoraly,doiiin,okoiin
		f22r Crimson Clover	cfey,cteoiin,doiiin,doiin,doroiin,oiin,oraiino, qockey
		f24r Silene Latifolia	ceeoiin,qocteol,**qotar**
		f24v Daylily (Hemerocallis)	doiir,ocpeoraiin,octeol,oraiin,toceol, otaiir
		f35r Umbrella Liverwort	cseosaiin,oceor,qokoiin
		f36r Sycamore/Maple Composite	**ceytaroiin**,oral,**otaro**,qorain,soiin
		f36v Galium Aparine (Cleavers)	ckeoiin,oceor,**otar,qota**r,soiin,**ytar**
		f37r Danewort (Sambucus Ebulus)	koiin,okceoceor,tocpeol,ykoiin
		f38r Rhinanthus - Alpine Rattlespot	ceoceor,**ceockey**,ceoiin,ytoiin
		f39v Carnation Type #1 or Morning Glory/Bindweed	**ockey**,oraly,**otar**
		f40v Vampirecup Infection of Colchicum	**ockey**,ofair,oraiin
		f42r Sorrel and Wood Sorrel	**ceockey**,**ceotar**,ctoiin,doraiiin,ofaiin
		f43r Creeping or Cursed Buttercup	cseoceol,**otary**,qoiin,**qotar**
		f44r Purslane	oracpey,**qockey**,roiry
		f45v Lavender	ceoiin,doiin,korary,q**ockey**
		f54v	oiin,**qockeey,qockey,**qocteeol,**yckeey**
		f55r Geranium/Herb Robert	oiiin,orai,qofair, ockey, otar
		f55v Turmeric or Clove	keeyfar,orain,**otar,otarceo**
		f87r Fleawort	cseocpeor,qockeeol,soraiin,ypceocpeeosaiin,ysaiin, tockey
		f90v1 Hedge Mustard	ceockeor,doiin,**qockey**
		f93r Scabwort or Middle/Common Fleabane	**ceotar,**cteocseol,oceol,**yceockey**,ysaiin
		f94r Moonwort	osain,**otar,oxockeey,qotar**
		f95r2 Fumitory #2	ofar,**otar,**poiin,**qotar**
		f96v Black Bryony	dteodoiin,oral,sosar,ysarasod
#28 (cseockeey)	#12-15, #16 Mugwort Variety? (okeeosorol, ol ceom, okols, oteol)	f3r Sawtooth Spurge	ceom,cseom,cteom,oteol,qoteol,sols
	Categories: [fptk | dlrsmg] + c | c[s | fptk] + e4om, oro, okol, ols, [yo]te4ol, [yo]ke4os, ocke4y	f28r Smearwort/Adders Tongue Relative	cseockey,kceoror,yteol
		f31v Disambiguation of Foxglove/Throatwort	ceeom,okeeos,okeos,oteol,ykeos
		f36r Sycamore/Maple Composite	dolsain,fceom,ytorory
		f42r Sorrel and Wood Sorrel	ceockey,ceoro*,kolsceees
		f46r Flea Seed (Plantago/Plantain Composite)	cseeockey,cseeoteoly,ols,qoteol
		f90r1 Scabious or Carthamus	ceockey,cseeom,cteom,okeos,qokeos
		f90v2 Tansy or Hairy Fleabane	cseeom,olols,oteeol
		f90v1 Hedge Mustard	oleees,oteol,qockey
		f93r Scabwort or Middle/Common Fleabane	ceotols,oteol,teols,yceockey
f100v			

#29 (unlabeled)	#1-4, #5 Vipers Tongue, #7 Resembles a Philodendron, #9 Broccoli? #10-11, #12-13 Pine? (tolcedceols, opoeor, solsy, soleeesos, ykceocedy, ykcedy, dcedy, dalsy, okceeor, ytceol, dykceal, ceos ctearal)	f3r Sawtooth Spurge	otceol,qokceor,ols
	Categories: oe0-4o, [yo]lc, ols, oe0-4s, [yo]c + e4dy, okce0-4dy, dcedy relatives, okc + e4or, otc + e4ol, ceal variants, cear variants	f24v Daylily (Hemerocallis)	dlos,ocedy,oesearees,okoeos,otceol
		f34v Pomegranate	dyceedy,loees,okcedy,qokcedy
		f37v European Aspen	cteols,osceo,sokceor,ykeeols
		f39r Fumitory #1	dcedy,dcsedy,qockedy,ykeols
		f42r Sorrel and Wood Sorrel	kolsceees,os,otceol
		f44r Purslane	dyeees,koees,os,otceol,qokceor,ytceol
		f46r Flea Seed (Plantago/Plantain Composite)	ocfeedy,ols,qokcedy
		f46v Greater Fleabane	ceockedy,dceedy,tos,ykcedy
		f48v Bulbous Buttercup (Ranunculus #2)	dceedy,dcseedy,los,qocteedy
		f49r Lesser Celandine (Ranunculus #3)	ceotceeol,qolsor,qotceol
		f50v Alpine Snowbell	dceedy,okcedy,ols,poceedy,qokcedy
		f93r Scabwort or Middle/Common Fleabane	ceotols,cseeoees,los,okceeor,teols
f101r1-2			
#30-32 (unlabeled)	f101r1 #1-29 (unlabeled)		
f101v2-v1			
#33 (unlabeled)	f101v2 #1-4 (rair aly, otaldy, otal, yta*y), f101v1 #1-5 (dokor, orar, otarar, otoly, soraly)	f9r European Holly	cfeodoral,otar,qotol,ytol
	Categories: ora, okol variants, otol variants, otar variants, otal variants, rai4n	f19v Nailwort/Hairy Forked Chickweed	qotol,ytal,ytar,ytol
		f34v Pomegranate	orair,otar,ytal
		f36r Sycamore/Maple Composite	ceytaroiin,oral,otaro,qqotol
		f39v Carnation Type #1 or Morning Glory/Bindweed	oraly,otal,otar
		f42r Sorrel and Wood Sorrel	ceotar,cseotol,otol
		f43r Creeping or Cursed Buttercup	otary,otolol,qotaly,qotar,ytol
		f47v Lungwort	ceeotar,otald,qotol
		f48r Buttercup #1 "dairokoy" (Ranunculus #1)	lotal,otal,otolcees,qotar,qotol
		f48v Bulbous Buttercup (Ranunculus #2)	otal,otar,otoldy,otoly,ytar
		f55r Geranium/Herb Robert	orai,otal,otaldiin,otar,otol
		f55v Turmeric or Clove	otar,otarceo,otol
#34 (unlabeled)	f101v2 #5-7 (okol, aroj, oras am), f101v2 #8 (unlabeled), f101v1 #6-10 (dytoly, olkor, dolary, odor, olaran)	f9r European Holly	**cfeodoral**,qotol,ytol
	Categories: ora, okol variants, otol variants, olar, olk, odo	f43r Creeping or Cursed Buttercup	ceeolkeepcey,cseodody,olky,otolol,qokol,ykolor,ytol
		f44r Purslane	kcseotol,oracpey,otol,otoloaiin,ykol
		f44v Colocynth	okol,otol,otoldy,yolkol
		f45v Lavender	korary,okol,okolor,qotol
		f90v1 Hedge Mustard	cseokol,olkaiin,otol,ytol
		f93r Scabwort or Middle/Common Fleabane	ceotols,cseotol,odol,olkees,otol,qokol
		f94r Moonwort	ceolky,odor,olkaiin,olkain,olkcedy,olkeedy,olkeody,qokol
		f95r2 Fumitory #2	olkor,olky,otol,qokol
		f96r Black Hellebore	ceodol,cseodol,okol,otceodor,ytol
		f96v Black Bryony	cteeodody,dteodoiin,oral,otol
		f16r Hyssop (or Cannabis)	otol,qokol,ydor
		f24v Daylily (Hemerocallis)	cseokol,odor,otol,otolodal,qodom
		f36r Sycamore/Maple Composite	okol,oral,qotol
		f51v Juniper	cseodol,olkeeody,otykol,qokol,qotol,ykol
		f55r Geranium/Herb Robert	ceeolkedy,okol,olkam,olkar,orai,otol
#35 (unlabeled)	f101v2 #9-13, f101v1 #11-15 (unlabeled)		
f102r1			
#36 (dolrod)	#1 Capparis Spinosa? (otodeeodor)	f9r European Holly	cfeodoral,dor,qotod
	Categories: ols, otod variants, odo, do	f16r Hyssop (or Cannabis)	doal,dor,otody,ydor
		f43r Creeping or Cursed Buttercup	cseodody,dor,qotody
		f65v	dokal,dol,dor,kotody,okeodof,ytody
		f93r Scabwort or Middle/Common Fleabane	dol,odol,otodar,qotodain
		f94r Moonwort	dor,odor,otody
#37 (okolaly)	#2 Water Hemlock Dropwort (or Parsnips) (unlabeled) Categories: [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix, okol variants, [yo]ke4ol		
#38 (doaro cse)	#3 European Aspen, #4 Variety of Nightshade (leledy doto)	f1v Nightshade/Belladonna	cpeoal,do,dol,dolceey,dolo,otoaiin,yteey
	Categories: Detached Class Modifiers, ote0-4y, oa, do, old	f37v European Aspen	do,dor,dotody,qotoldy
		f9r European Holly	dayty,dcseoldy,pcseoain
		f9v Viola Tricolor (Pansy)	ceyty,kyty,qoaiin,toldy,ytey,ytoldy
		f44v Colocynth	oain,otoldy,otykeey
		f55v Turmeric or Clove	ceeoar,oaiin,oldy,qoaiin,yteey
f102r2			
#39 (*odaiig)	#1 Lungwort, #2 Tormentil (unlabeled)	f6r Hawkweed/Hawksbeard	odam
	Categories: yodai0-4m, [yo][fptk | dlrsmg][ao]g	f24v Daylily (Hemerocallis)	odaiim
		f26r Black Alder	odam
		f50r Drosera Species	odam
		f51v Juniper	cseokog
		f52r Pasqueflower	odaim
		f53v	odam
		f54v	odaim
		f65v	okag
		f90v1 Hedge Mustard	odaim
#40 (*****d)	f102r2 #3-7 (unlabeled)		
#41 (do* toldy	#8 Agrimony, #9 (koldarod, odalyda*y)	f18v "koldarod" Agrimony Candidate #1	daror,g,told,ytdg

y*e***al r***la**g*)	Categories: yodai0-4l, old, aro[dlrsmg], g	f18r Helichrysum "Snake Rose"	cseoldy,darodcef,doldaiin,doldy,g
		f23r Agrimony Candidate #2	fceoldy,g,odal,ololdy,qokoldy
		f23v Borage	g,odaiiily,oldaiin,oldal,oldar
		f34r Cowbane	amg,oldam,ololdy,todaly,ykceeg
		f36r Sycamore/Maple Composite	gaiin,qooldy,sold,ytodaly
		f39r Fumitory #1	dold,odal,okalceeg
		f45v Lavender	ceeg,dceoldy,odal
		f48v Bulbous Buttercup (Ranunculus #2)	cpceeg,fceeodal,loldy,oldy,otoldy
		f51v Juniper	cseokog,fold,qodal
		f52r Pasqueflower	koldal,qodal,ytoldy
		f87v Lousewort & Primrose	arolor,g,old,oldar,qokeog,qokodal
f102v2			
#42 Top, Bottom (porcseols, doaijy)	#1-3, #4 Blue Vitriol (Copper Sulfate), #5-10, #11 Pine? #12-14 (orar, cseor, dacey, okeos, otol, otosy, okad, otody, oeeor, okoroeey, opcey, darol, olsodar, tod)	f3r Sawtooth Spurge	oporar,otol,qodair,qoraiin,sols,tcseeoarom,ydar
	Categories: ora, okor variants, oy + oe0-4y, okad variants, otol variants, yodai0-4r, [yo]te4od, o[fptk]e4os, otod variants, faceys relatives, ols, opce0-4y, dairol/soral relatives, od endings, oa, or + c | cs + e4o[lr]	f9r European Holly	ceodar,okor, pcseoain,qotod,qotol,ytol
		f23v Borage	cseoaldy,oaldary,olols,ols,olsar,otol,podairol,qokor
		f31v Disambiguation of Foxglove/Throatwort	acteedy,cseoar,okeeos,okeos,okor,podair,qotolceeo,ykeos
		f33v Maces	lceoar,orain,oram,otody,porar,qokor
		f34r Cowbane	cectackey,ceodar,okor,qod,qotol
		f36r Sycamore/Maple Composite	dolsain,oral,podaiir,qorain,qotol,yd,ytodaly
		f37v European Aspen	cpeorod,cteols,dotody,qotol,qotoldy,ykeeols,yokor
		f39v Carnation Type #1 or Morning Glory/Bindweed	opcey,oraly,sarol,ytedykor,ytodaiin
		f42v European Columbine	ceotody,ceotol,cseols,okor,otol,qokod,sarar
		f43v Motherwort & Snakeweed/Easter Ledges	ceoal,oloaiin,oteod,oteos,ypceey
		f44r Purslane	kcseotol,oair,opceey,oracpey,otol,otoloaiin,oyd,qopcey
		f50v Alpine Snowbell	arod,ols,qoain,qod,ykor,ytcseeod
		f51v Juniper	ceeodar,okor,qod,qokodar,qotol,ytody
		f52v Scorpion Weed/Tail (Heliotrope)	ceeokor,odar,qotodaiin,sols,ykor,ytol
		f54r Woundwort (Stachys)	cteeotol,korare,oaiin,okor,otol,qokor,ytodaiin
		f87v Lousewort & Primrose	arolor,cpeodar,opceeey,oteos,otol,qoar,qokeod,saral,solceyd
		f90r1 Scabious or Carthamus	darala,okaceey,okeos,okor,poleeol,qodar,qokeos,ydar,ykodar,ytod
		f93r Scabwort or Middle/Common Fleabane	ceotols,cseotol,cteodar,oain,oar,okor,otodar,otol,qokor,qotodain,sodar,teols
		f96v Black Bryony	dceeoteos,odar,oral,otol,teodar,ysarasod
#43 (okolky)	#15-19 (osair, acky, okeeoraiiin, okockey, o**)	f6v Ricin	ceockey,okol,ooceockey,ysar
	Categories: osa, [yo]ke4or, orai0-4n, olk, okol variants, ocke4y, faceys relatives	f22r Crimson Clover	okoly,oraiino,qockey,qokol
		f23v Borage	okeeor,okol,qokol
		f24r Silene Latifolia	daickey,okol,otacpey
		f24v Daylily (Hemerocallis)	cseokol,ocpeoraiin,oraiin
		f30v Spindle or Dogs Mercury	ceokeor,ceokol,cseosaiin,qokeeor
		f34r Cowbane	cectackey,olk,ysair
		f39r Fumitory #1	ceolkal,cseeolkedy,olkaiin,orain,qolkain
		f39v Carnation Type #1 or Morning Glory/Bindweed	ockey,olkaiin,olkedaiin,olky
		f40r Carnation Type #2	okol,okoldy,olkedy,oraiin,orain,qokol
		f40v Vampirecup Infection of Colchicum	actey,ockey,okeor,oraiin,qokol
		f41v Apiaceae Umbelliferae	olkeeo,orain,qokol
		f42r Sorrel and Wood Sorrel	ceockey,doraiiin,okol
		f44r Purslane	oracpey,qockey,ykol
		f46r Flea Seed (Plantago/Plantain Composite)	cseeockey,cseolkal,cseolkcsey,olkeody,osaiin,qokol
		f50r Drosera Species	olkady,olkais,olkceedy,orolkain,osam,solkaiin,solkcey
		f51r Phryne or German Madwort	daiictey,okeor,okol,qockeey,qokol
		f51v Juniper	ceockeey,oceockey,olkeeody,otykol,qockey,qokol,ykeor,ykol
		f55r Geranium/Herb Robert	ceeolkedy,ockey,okol,olkam,olkar
		f87r Fleawort	soraiin,tockey,ypceocpeeosaiin,ysaiin
		f87v Lousewort & Primrose	yceeockey,ykeeor
		f90r1 Scabious or Carthamus	ceockey,cseokol,okaceey,qokeor,qokol
		f90r2 Pennywort Composite	cseokol,qockeey
		f90v1 Hedge Mustard	bodacbeey,cseokol,olkaiin,qockey,qokeeor,ykeeor
		f93r Scabwort or Middle/Common Fleabane	olkees,qokol,yceockey,ysaiin
		f94r Moonwort	ceolky,olkaiin,olkain,olkcedy,olkeedy,olkeody,osain,oxockeey,qokol
		f94v Orris Root	opceackey,ykol
		f95v2 Common Baneberry/Toadroot	ceockey,olkaiin,olkain
		f96r Black Hellebore	ceockey,cseeockey,cseockey,okol,ykeor
		f96v Black Bryony	sosar,tockey,ysarasod
f102v1			
#44 (keoraiin)	#1, #2 "Syringes" Ipomoea Indica? #3-5 (ykeody, okeody, daisaly, ypory, opceytoy)	f3r Sawtooth Spurge	oporar,qopol,yteody
	Categories: dairol/soral relatives, oy + oe4y,dairol/soral relatives,oy + oe4y, opc + e0-4 + y | dy | o[dlrs]y, [yo]po, [yo][fptk]e4od + y	f4v Rampion	ceokeody,ceopcey,kceoy,okeody,qokoy,ytceoy
		f9v Viola Tricolor (Pansy)	ceoy,oporody,qopcey,ypceeey,ypcey
		f17r Aristolochia Lanceolata	soy,ypcey,ypod
		f20r Vipers Bugloss	daral,opceey,qoteeody,qotoeey,toy
		f21r Paper/Sun Spurge (Wartwort) or Rupturewort	ceokeody,qopceeody,ypceey
		f24v Daylily (Hemerocallis)	ceoy,oeeey,opom
		f41v Apiaceae Umbelliferae	ceoy,keoy,okeody,oteody,qokeody,ykeeody
		f42v European Columbine	otoy,sarar
		f43r Creeping or Cursed Buttercup	daral,opcedy,ykeody,yteody

		f43v Motherwort & Snakeweed/Easter Ledges	dalor,okeody,opoldy,oteod,oteody, oykeedy,ykeody,ypceey
		f53r	oytoyd,qoy,ykeeod
		f53v	opod,qopcey
		f87v Lousewort & Primrose	arolor,ceeoy,cseoeey,opceeey,qokeod,saral
		f90r1 Scabious or Carthamus	darala,ykeody
		f90r2 Pennywort Composite	oy,qokeod,qoteody,ykeeody
		f90v2 Tansy or Hairy Fleabane	ceoy,opol
		f90v1 Hedge Mustard	oeey,okeceod,okeeody,yteody
		f93v White/Red Bryony	opcey,opor,yteeody
		f95v1 Hollyhock	cseoyfar,qokeeod
		f96v Black Bryony	soy,yteeody
#45 (***o**)	#6, #7 Valerian Composite, #8 (ypceoldy, losalody, opcedard)	f26v Alder Relative	tody,ysaiin
	Categories: osa, o[fptk]c + e0-4ol, opc + e4ol, cedar variants, [yo]dy endings	f94v Orris Root	ody,ypcedair
		f94r Moonwort	osain
		f46r Flea Seed (Plantago/Plantain Composite)	ody,osaiin

Table 30.4: Pharmacological Canister Mappings for f67r2

Hypothetical Zodiac Mapping	Figure #	Star Divider (Roughly)	Faces	Inner Quadrants	Outer Quadrants	Outer Ring	Isolated Associations	Clustered Mappings
Pisces	#10	**sair**	**okadar**		**todaiin** dain dy **os ceoar** aiin **ceoeey** sar dodaii*	ykces ykceos	f89r1 Line 1 #4 (arar ceodaiin) for #7 f99r #5 (oroair) for #19 f100v #5 (soleeesos) for #29	f89v2 Line 3 #3-4 (odg oky sad oy, dair okoy) for #16 f99r #13, #15, #19, #25 (oaso, oarar, oeeotoey, sary) for #20 ---------- f102r1-v1 foldout Canister #38 f102r1 (doaro cse) ---------- Canister #42 f102v2 Bottom (doaijy) & f102v2 #7, #10 (okad, okoroeey) -------- f102v1 #5 (opceytoy) for #44
Aquarius	#11		**qotoear**	dal csesody	**opo**dceol dain **aldy** socey **doiin oldy**	**ykceyr aram**	Canister #6 f88v (daram dal) f89r1 Line 3 #1 (saldam) for #9 f89r2 Line 1 #3 (sal oiin cseol) for #10 f89r2 Line 2 #2 (ofcear oiin) for #11 Canister #16 f89v2 (opal oiiir y) Canister #17 f89v1 (okor aldy) f89v1 Line 2 #5 (opol olaiin) for #18 f99r #5 (oroair) for #19 f99v #3 (oldy) for #23 f99v #19 (doldam) for #25 f100r #8 (soity) for #27 f100v #3 (opoeor) for #29	f88r Line 1 #2-3 (orald, oldar) for #1 Canister #7 f89r1 (okcecsey) f89r1 Line 1 #2 (oldag) for #7 f99r #13, #15 (oaso, oarar) for #20 ---------- Canister #38 f102r1 (doaro cse) Canister #41 f102r2 (...toldy...) f102r2 #8 (koldarod) for #41 Canister #42 f102v2 Bottom (doaijy) f102v1 #4 (ypory) for #44
Capricorn	#12	**soeor**	**dceodar**		**odaiin otois oekain** y **otceoy sorais** dy qofcey daiin dal	ykeceo **ols eesydy**	f99r #19 (oeeotoey) for #2 f88r Line 3 #1 (otosag) for #3 f88v Line 2 #3 (okaiiin) for #5 f89r1 Line 1 #4 (arar ceodaiin) for #7 f89r1 Line 2 #3 (okaiin dan) for #8 f89r1 Line 3 #3 (ydcpody) for #9 f89r2 Line 3 #1 (sodar) for #12 Canister #13 f89r2 (okain y orain) f99r #23 Mushroom Candidate (oeockeey) for #21 f99r #27 Black Bryony #2 (tols asy) for #22 f99v #6 (olsy) for #23 f99v #13 (otolsar) for #24 Canister #24 f99v (okoldody) f100r #6, #8 (soity, oraro) for #27 f100r #15 (okols) for #28 f100v #2, #4-5 (ceols, solsy, soleesos) for #29 f101v1 #2 (orar) for #33 f101v2 #7 (oras am) for #34	f88r Line 2 #1 (orag) for #2 f88r Line 2 #5 (otydy) for #2 f89r2 Line 1 #2-4 (ofceor am, sal oiin cseol, ofceeor) for #10 (oi & closest to qofcey) f89r2 Line 2 #2 (ofcear oiin) for #11 (oi & closest to qofcey) Canister #16 f89v2 (opal oiiir y) f89v2 Line 3 #3-4 (odg oky sad oy, dair okoy) for #16 Canister #18 f89v1 (koeeorair) f89v1 Line 2 #4 (otos cseos) for #18 f99r #16, #19 (oeoky, oeeotoey) for #20 f100v #3, #6 (opoeor, ykceocedy) for #29 (latter only potential 1 for ykeceo) ---------- Canister #42 f102v2 Top (porcseols) & f102v2 #9 (oeeor) ---------- f102v2 #1, #6, #9-10, #13 (orar, otosy, oeeor, okoreey, olsodar) for #42 (olsodar on both ols, odar) ---------- f102v1 #5 (opceytoy) for #44
Sagittarius	#1		**ysaldal**	**okal**	**ydceos** ain ar amy ceocfey **saral** rain am or	**soy** cses **okar**	f88r Line 1 #1-2 (osal, orald) for #1 f89v2 Line 2 #2 (dykaran) for #15 Canister #17 f89v1 (okor aldy) Canister #19 f99r (okar am og) & f99r #1, #9 (okary, okary) f99r #19 (oeeotoey) for #20 Canister #23 f99v (okaragy) f100v #13 Pine? (ceos ctearal) for #29	f89r1 Line 3 #1, #3 (saldam, ydcpody) for #9 (latter on odc) ---------- f89v2 Line 1 #1, #3 (okaiil, ceokaro) for #14 ---------- f89v2 Line 3 #3-4 (odg oky sad oy, dair okoy) for #16 ---------- f102v2 #10 (okoroeey) for #42 f102v1 #5 (opceytoy) for #44 f102v1# 7 (losalody) for #45
Scorpio	#2	cpeeey	**ytodal**		**opor** cey sal saiin **sodar ofor** as **ydam**	cseekcey ***ykor**	Canister #5 f88v (otor am) f88v Line 2 #1 (otory) for #5 f89r1 Line 2 #2 (otorain) for #8 f89r1 Line 3 #3 (ydcpody) for #9 Canister #15 f89v2 (okory)	Canister #1 f88r (otor ceety) & f88r Line 1 #4 (ototy) ---------- f88v Line 1 #2, #4 (cpeeor, otokol) for #4 ---------- f89r2 Line 3 #1, #4 (sodar, ofor ain) for #12

							f89v2 Line 3 #1 (otor am) for #16 f89v1 Line 2 #5 (opol olaiin) for #18 f99r #6 (okor) for #19 f100v #3 (opoeor) for #29 f101v1 #1 (dokor) for #33	---------- Canister #17 f89v1 (okor aldy) & f89v1 Line 1 #1 (otockey) ---------- f99v #2, #8 (otor cey,otoky) for #23 ---------- f102r1 #4 (leledy doto) for #38 (also for f67r2 slot #3) Canister #39 f102r2 (*odaiig) (only 1 possible for ydam) f102v2 #10, #13 (okoroeey, olsodar) for #42 f102v2 #17 (okeeoraiiin) for #43 f102v1 #4 (ypory) for #44
Libra	#3	okodas	**tol** daiin	**okain** am	**yteoor yto ykor okeor** aiin am	**ykeody okcey**	f88v Line 1 #4 (otokol) for #4 Canister #5 f88v (otor am) f88v Line 2 #1 (otory) for #5 Canister #7 f89r1 (okcecsey) f88v Line 2 #3 (okaiiin) for #9 f89r2 Line 3 #1 (sodar) for #12 Canister #13 f89r2 (okain y orain) Canister #15 f89v2 (okory) f89v2 Line 3 #1 (otor am) for #16 Canister #18 f89v1 (koeeorair) f99r #6 (okor) for #19 f99r #23 for #21 f99r #27 Black Bryony #2 (tols asy) for #22 f101v1 #1 (dokor) for #33	Canister #1 f88r (otor ceety) f88r Line 1 #4 (ototy) for #1 f89r1 Line 2 #2-3 (otorain, okaiin dan) for #8 ---------- Canister #17 f89v1 (okor aldy) f89v1 Line 1 #1 (otockey) for #17 ---------- f99r #16, #19 (oeoky, oeeotoey) for #20 f99v #2, #8 (otor cey, otoky) for #23 ---------- f100v #1, #3 (tolced, opoeor) for #29 ---------- f102r1 #4 (leledy doto) for #38 Canister #41 f102r2 (do* toldy y*e***al r***la**g*) f102v2 #9-10, #13 (oeeor,okoroeey, olsodar) for #42 f102v2 #17 (okeeoraiiin) for #43 f102v1 #1-2, #5 (ykeody, okeody, opceytoy) for #44 (last on toy to tol)
Virgo	#4		**otardy**	**opceoldy**	**ytody** saiin **oceol olol**	dceetdy	f88r Line 2 #5 (otydy) for #2 f88v Line 1 #3 (otar arody) for #4 f89v2 Line 2 #1 (otair ceody) for #15 f99r #10 (okolo) for #19 f101v1 #3 (otarar) for #33	Canister #27 f100r (ceos ar ocseol) f100r #2 (otear) for #27 ---------- f102v1 #6 (ypceoldy) for #45 f102v2 #8 (otody) for #42
Leo	#5	oepceol	**ceodalg**	dfar **oeoldan**	**dorar odar** ais **aloiin dokan** oear **odal**	rfceykceey **ykceys**	f88r Line 1 #3 (oldar) for #1 f88r Line 2 #1 (orag) for #2 Canister #3 f88r (ofyskydal) f88v Line 3 #3 (darar g am) for #6 f89r1 Line 1 #2 (oldag) for #7 Canister #7 f89r1 (okcecsey) f89r1 Line 2 #3 (okaiin dan) for #8 f88v Line 2 #3 (okaiiin) for #9 f89r2 Line 1 #3 (sal oiin cseol) for #10 f89r2 Line 2 #2 (ofcear oiin) for #11 f89r2 Line 3 #1 (sodar) for #12 Canister #13 f89r2 (okain y orain) Canister #19 f99r (okar am og) f99r #16, #19 (oeoky, oeeotoey) for #20 f99r #23 Mushroom Candidate (oeockeey) for #21 f99v #3 (oldy) for #23 f99v #19 (doldam) for #25 f100v #3 (opoeor) for #29 f101v1 #2 (orar) #33 f101v2 #7 (oras am) #34	Canister #16 f89v2 (opal oiiir y) f89v2 Line 3 #3 (odg oky sad oy) for #16 ---------- Canister #18 f89v1 (koeeorair) on both oe0-4o and orar ---------- f100r #6, #8 (soity, oraro) for #27 ---------- f102r2 #8 (koldarod) for #41 Canister #41 f102r2 (...toldy...g…) (used potential stand-alone g only) f102v2 #13 (olsodar) for #42 f102v2 #1, #9, #13 (orar, oeeor, olsodar) for #42
Cancer	#6	sactcey	ytceodly	**ytoaiin**	ceol daiin **okol ytor** daiin or	**cekcedar**	Canister #1 f88r (otor ceety) f88r Line 2 #3 (okol) for #2 Canister #4 f88v (okolyd) f88v Line 1 #4 (otokol) for #4 Canister #5 f88v (otor am) f88v Line 2 #1 (otory) for #5 f89r1 Line 2 #2 (otorain) for #8 f89v2 Line 3 #1 (otor am) for #16 f99r #10 (okolo) for #19 f99r #18 (okeoly yteold) for #20 f99v #2 (otor cey) for #23 Canister #24 f99v (okoldody) f100r #15 (okols) for #28 f101v2 #5 (okol) for #34 Canister #37 f102r1 (okolaly)	f102v2 #3 (dacey) for #42 f102v2 #16 (acky) for #43 Canister #43 f102v2 (okolky) f102v1 #8 (opcedard) for #45
Gemini	#7		**octeys**		**otoldos** octeoly sor **ceedaiin** dy **yteos oiin om**	**ykar ykaly**	Canister #1 f88r (otor ceety) f88r Line 3 #1 (otosag) for #3 f88v Line 1 #1 (ceeoctey) for #4 Canister #5 f88v (otor am) f88v Line 2 #1 (otory) for #5 f89r1 Line 2 #2 (otorain) for #8 f89r2 Line 1 #3 (sal oiin cseol) for #10 f89r2 Line 2 #2 (ofcear oiin) for #11 f89v2 Line 2 #2 (dykaran) for #15 ---------- f89v1 Line 2 #4 (otos cseos) for #18 Canister #19 f99r (okar am og)	f89v2 Line 1 #1, 3 (okaiil, ceokaro) for #14 ---------- Canister #16 f89v2 (opal oiiir y) f89v2 Line 3 #1 (otor am) for #16 ---------- Canister #23 f99v (okaragy) f99v #2 (otor cey) for #23 ---------- f102v2 #6 (otosy) for #42 f102v1 #8 (opcedard) for #45

							f99r #1, #9 (okary, okary) for #19 f100r #8 (soity) for #27 f100r #14 Gourd Candidate (ol ceom) for #28 f100v #5 (soleeesos) for #29	
Taurus	#8	**osar**	**ytokar**		**ytoeopceey** ceekody **socseo** ceos **ockey** daiin aiin **os ys** m	**lkcseykcey okar**	-- no stand-alone m f88r Line 1 #4 (ototy) for #1 f88v Line 1 #4 (otokol) for #4 Canister #7 f89r1 (okcecsey) f89v2 Line 1 #3 (ceokaro) for #14 ---------- f99r #23 (oeockeey) for #21 f99v #14 (osary) for #24 Canister #28 f100r (cseockeey) f100v #5 (soleeesos) for #29 f102r1 #4 (leledy doto) for #38	f89v2 Line 2 #2-3 (dykaran, opceedey) for #15 ---------- f99r #1, #9 (okary, okary) for #19 Canister #19 f99r (okar am og) ---------- f89v1 Line 1 #1 (otockey) for #17 (on both oto and ockey) ---------- Canister #23 f99v (okaragy) f99v #8 (otoky) for #23 ---------- f100r #1, #9 (soceor cfey, sosam) for #27 (closest to socseo, but sosam to osar unlikely) ---------- f102v2 #15 (osair) for #43 f102v2 #18 (okockey) for #43 f102v2 #11 Pine? (opcey) #42 f102v1 #5 (opceytoy) #44 f102v1 #8 (opcedard) #45
Aries	#9	**oran**	**otolor**	**yfain**	**ofydy cseeody** aiin yceeody cse **odaiiin** yekees **oraly**	ceky ceykcer cey	f88r Line 1 #2 (orald) for #1 f88r Line 2 #5 (otydy) for #2 f88r Line 3 #2 Lupine? (ofaldo) for #3 f89r1 Line 1 #4 (arar ceodaiin) for #7 f89r1 Line 2 #2 (otorain) for #8 f89v1 Line 1 #3 (dar cseody) for #17 Canister #26 f99v (oralar) f101v1 #5 (soraly) for #33	Canister #12 f89r2 (korain y) f89r2 Line 3 #3 (ceeody) for #12 ---------- Canister #13 f89r2 (okain y orain) f89r2 Line 4 #1 (ofakal) for #13 ---------- f100r #3, #11 (ceofary, dofam) for #27 ---------- f102v2 #17 (okeeoraiiin) #43 Canister #44 f102v1 (keoraiin)

Table 30.5: Potential Pharmacological Figure Correlations to Short f70r1 Labels

Label	Potential Correlations	f102r-v1 Foldout
Nonsense Label (**********ooooooooo **olar** *****s**r**)	f89r2 Line 4 #4 (otolarol) for #13 **f101v1 #8, #10 (dolary, olaran) for #34**	
"Mushroom Separators"		
#1 (otceo dar **yky**)	Canister #8 f89r1 (ykyd) f89v2 Line 3 #3 (odg oky sad oy) for #16 f99r #3 (oky) for #19 **f99r #16-17 Mushroom Candidate (oeoky, oky) for #20** f99v #8 (otoky) for #23	
#2 (opar ykcey)	f99v #15 (okecey otal) for #25 Canister #16 f89v2 (opal oiir y) f89v1 Line 2 #6 (opal daiin) for #18 Canister #20 f99r (opasal)	
#3 (y **sactcey dam**)	f89r1 Line 3 #1 (saldam) for #9 f99v #19 (doldam) for #25	f102v2 #3 (dacey) for #42 f102v2 #16 (acky) for #43
#4 (otair orol g y)	f88r Line 2 #4 (sorory) for #2 f88v Line 1 #3 (otar arody) for #4 f89v2 Line 2 #1 (otair ceody) for #15 f99r #5 (oroair) for #19 f100r #2 (otear) for #27 f100r #13 (orol) for #28 f101v1 #3 (otarar) for #33	f102v2 #10 (okoroeey) for #42
#5 (dceal dam)	f89r1 Line 3 #1 (saldam) for #9 f99v #19 (doldam) for #25 f100r #4, #7 (sarcear, ceal sain) for #27 closest	
#6 (yteody sam)	f100r #9 (sosam) for #27 closest	f102v2 #8 (otody) for #42
#7 (okcey dal dy)	Canister #17 f89v1 (okor aldy) closest to daldy f99v #15 (okecey otal) for #25	
#8 (yfceeod ly)	**f89r2 Line 1 #2, #4 (ofceor am, ofceeor) for #10** f89r2 Line 2 #2 (ofcear oiin) for #11	
#9 (ytceeos aly)	f99r #4 (daly) for #19 Canister #25 f99v (darol aly) f101v2 #1 (rair aly) for #33	f102v1 #3 (daisaly) for #44
Star Quadrants		
#1 (okeody)	f99v #17 (okeodor) for #25	f102v1 #1-2 (ykeody, okeody) for #44
#2 (otody)	f102r1 #1 (otodeeodor) for #36 f102v2 #8 (otody) for #42	
#3 (ypolol)	f89v1 Line 2 #5 (opol olaiin) for #18 f99r #10 (okolo) for #19 (unlikely) f100v #3 (opoeor) for #29	f102v1 #4 (ypory) for #44
#4 (ceodal)	Canister #3 f88r (ofyskydal)	f102r2 #9 (odalyda*y) for #44
#5 (okos d)	f99r #20 (okos) for #21 f100r #12 (okeeos) for #28	f102v2 #4 (okeos) for #42

#6 (ykeal)	f89v2 Line 1 #1 (okaiil) for #14	

Table 31.1: Leading Word Categories for Section 5, with w_N >= 100

Rank	Category	Word Count	1	2	3	4	5	6
1	l[fptk] Prefixes	514	-0.25919	-0.09826	-0.05496	-0.06214	0.49158	-0.01141
2	o[fptk]edai4n	59	-0.19251	-0.10410	-0.15336	-0.06798	0.38217	0.14140
3	rai4n	115	-0.20725	-0.07801	0.05622	-0.03319	0.31246	-0.04460
4	a[lr][fptk]	83	-0.20987	-0.00771	-0.09087	-0.06798	0.31152	0.07054
5	cedai4[lrsm | n]	527	-0.13292	-0.04717	-0.06582	-0.06418	0.24488	0.07084
6	opce0-4dy	159	-0.16213	-0.09781	0.03287	-0.06169	0.24317	0.05122
7	o[fptk]eda[lrsm | n]	184	-0.19095	-0.03888	-0.04052	-0.06798	0.23746	0.10649
8	[fptk | dlrs] prefixes to dai4[lrsm | n]	83	-0.12553	-0.03181	-0.06678	-0.03183	0.22718	0.03439
9	[yo][fptk]e4d	60	-0.19421	-0.05410	0.11274	-0.06798	0.22116	-0.01199
10	c | cs + e0-4d	89	-0.08072	-0.09286	0.00375	-0.06798	0.21554	0.02790
11	a[dlrsmg]am	92	-0.17464	0.14590	-0.14378	-0.02450	0.21029	-0.00764
12	a[lr]an	56	-0.06206	-0.01481	-0.15154	0.00345	0.20330	0.02729
13	lc-initial	457	-0.23075	-0.09972	0.24819	-0.05485	0.18505	-0.04230
14	ece polygraph	219	-0.11612	0.06485	-0.09137	-0.02231	0.18234	-0.01176
15	[tk]e4dy	309	-0.11298	-0.10086	0.14284	-0.06474	0.18070	-0.03934
16	o[fptk]edar	72	-0.18310	-0.02076	-0.02059	-0.06798	0.17949	0.11856
17	eta	71	-0.09702	0.03675	-0.03233	-0.03981	0.17186	-0.04791
18	o[fptk]c + e0-4dy	554	-0.11912	-0.07883	0.02935	-0.06076	0.16700	0.06797
19	dl Consonant clusters	79	-0.01573	-0.00283	-0.06068	-0.06798	0.16419	-0.01136
20	[fptk]ai4n	191	-0.01148	-0.07792	-0.01448	-0.06274	0.15571	0.01131
21	okai0-4n	994	-0.15638	-0.07794	0.15681	-0.05590	0.15275	-0.01974
22	o[fptk]ai4n	1598	-0.13150	-0.06154	0.08684	-0.05609	0.14982	0.01185
23	ai4[dlrsmg | n]	1519	-0.13884	0.08748	-0.11945	-0.02650	0.14380	0.05519
24	c | cs + e0-4l	64	-0.07546	-0.04160	0.09399	-0.05235	0.14303	-0.06199
25	pc-initial	307	0.00221	-0.08130	-0.02113	-0.02889	0.12832	0.00316
26	[fp]c-Initial	387	0.02621	-0.08084	-0.02963	-0.02922	0.12167	-0.00514
27	edo	90	-0.08310	-0.08188	-0.00948	-0.04575	0.12116	0.10468
28	faceys relatives	61	-0.06470	-0.00574	-0.12168	0.01399	0.11460	0.01998
29	[fptk]ai4[dlrsmg | n]	411	-0.02413	-0.03354	-0.01208	-0.06311	0.11288	0.02073
30	ce4o	160	0.07454	0.02090	-0.17476	0.03202	0.10866	-0.06199
31	ote4dy	509	-0.16847	-0.06873	0.17620	-0.06798	0.10819	0.02642
32	o[fptk][dlrsmg]	68	-0.11774	-0.05998	0.00392	-0.03857	0.10351	0.11448
33	[yo]c + e4dy	110	-0.13057	-0.04955	0.04911	-0.04070	0.10297	0.07437
34	[fptk][yo]lc	53	-0.14326	-0.06636	0.11463	0.06410	0.09851	-0.06199
35	fc-initial	80	0.11829	-0.07910	-0.06226	-0.03048	0.09616	-0.03699
36	c | c[fptk] + e4o	228	0.05228	0.01871	-0.17410	0.05483	0.09396	-0.05322
37	[yo]ke4o	89	-0.14814	0.17680	-0.17602	0.07809	0.09194	-0.01705
38	l[drs] Prefixes	95	-0.14684	-0.06199	0.14958	-0.04692	0.08958	0.02222
39	okam variants	76	0.08737	-0.05147	-0.09515	-0.02850	0.08958	0.00380
40	edy	4981	-0.15046	-0.07960	0.20865	-0.06316	0.08554	0.00446
41	te4dy	91	-0.10739	-0.08212	0.20835	-0.06798	0.08379	-0.02902
42	[yo]pa	141	-0.20201	0.15122	-0.12343	-0.02542	0.08286	0.12241
43	o[fptk]e4dy	1444	-0.16609	-0.08055	0.24903	-0.06590	0.08057	-0.01144
44	ce4dy	755	-0.10878	-0.07099	0.17433	-0.06003	0.07877	-0.00901
45	[fptk] + c | c[s | fptk] + e4dy	196	-0.04421	-0.09389	0.09846	-0.06798	0.07830	0.03495
46	oe4y	66	-0.14269	0.06257	-0.12665	0.09869	0.06964	0.04407
47	oke4dy	933	-0.16559	-0.08695	0.28863	-0.06476	0.06628	-0.03198
48	oa	321	-0.00760	0.08905	-0.17168	0.01925	0.06384	0.00654
49	[dlrsmg] + c | c[s | fptk] + e4dy	327	-0.21470	-0.09187	0.34179	-0.06186	0.06366	-0.03141
50	otam variants	88	-0.01012	0.02090	-0.13044	-0.03389	0.06207	0.09710
51	eka	191	0.04087	0.02679	-0.05637	-0.04180	0.05623	-0.02011
52	orai0-4n	135	-0.07939	-0.05225	-0.06133	0.07276	0.05449	0.07134
53	[dlrsmg] + ai4r	190	-0.04158	0.05906	-0.10831	0.01623	0.05274	0.02748
54	Consonant Clusters	115	-0.05073	0.02634	0.01274	-0.05928	0.05159	0.01627
55	olk	557	-0.19008	-0.06460	0.18438	-0.04284	0.04611	0.07266
56	o[tk]e0-4y	2042	-0.05180	0.02813	0.01059	0.00254	0.03800	-0.02428
57	c | c[s | fptk] + e4dy	1395	-0.13578	-0.07399	0.24428	-0.06009	0.03800	-0.00751
58	c | cs + e0-4[dlrsmg]	281	-0.04154	0.04181	0.00847	-0.03595	0.03788	-0.00861
59	opce0-4y	111	0.03012	0.02203	-0.11519	-0.03194	0.03647	0.06414
60	aro[dlrsmg]	105	-0.16087	0.01971	0.07941	0.02726	0.03544	0.00468
61	o[fptk | dlrsmg][ao]m	280	0.07365	0.01376	-0.13011	-0.01798	0.03544	0.03087
62	ce4y	737	-0.01062	-0.01590	0.02034	0.00122	0.03323	-0.02807
63	yce4y + infixed versions	87	0.01614	-0.03513	-0.01484	-0.02200	0.03150	0.00697
64	[fptk | dlrsmg] + c | c[s | fptk] + e4od	68	0.17638	-0.03057	-0.17255	-0.02386	0.02998	0.01154
65	[yo][fptk]e4o	88	-0.16921	0.35045	-0.18726	-0.01116	0.02797	-0.00517
66	ce4a	1009	0.13592	0.01582	-0.10202	-0.04221	0.02244	-0.04019
67	a[lr][ao][lr]	391	-0.20469	0.20537	-0.02869	-0.01171	0.02039	0.02497
68	o[fptk]ce4[lrsmg]	57	-0.01351	0.03625	-0.11708	-0.01535	0.01940	0.09590
69	ceckey relatives	377	-0.05017	-0.09349	0.20797	-0.04145	0.01824	-0.03812
70	o[fptk]c + e0-4 + y | dy | o[dlrs]y	1421	0.09355	-0.03443	-0.05777	-0.04757	0.01672	0.03231
71	ora	241	-0.09919	0.00794	-0.07107	0.09800	0.01576	0.05419
72	otal variants	333	-0.15607	0.14215	0.01695	-0.02593	0.01545	0.01308
73	oi4n	58	-0.13903	-0.00065	0.01964	0.08720	0.01426	0.00697
74	[yo]ce4y	113	0.06863	0.03750	-0.10761	-0.00603	0.01319	-0.00889
75	a-axis of [yo][fptk][ao][lr]	1731	-0.11801	0.08308	0.03400	-0.03909	0.01289	0.02986
76	[yo][fp]a	200	-0.16921	0.16090	-0.12226	-0.00798	0.01116	0.13301
77	yodai0-4n	448	0.13436	-0.03044	-0.16717	0.00568	0.00910	0.03622
78	[tk]e4o	206	0.01162	0.01726	-0.10959	0.06309	0.00756	0.01082
79	[fptk]e0-4y	161	0.10952	0.00149	-0.05682	-0.02450	0.00687	-0.04336
80	c + e4 + [fptk] Endings	60	0.12246	0.02924	-0.05392	-0.06798	0.00449	-0.02866
81	yc + e4o[lr]	68	0.20579	-0.05998	-0.15785	0.04967	0.00057	-0.03258
82	c | c[s | fptk] + e4 + c[s | fptk]e4y Superset	623	-0.04060	-0.07842	0.19798	-0.04390	0.00045	-0.03149
83	sai4n	258	-0.04227	-0.04983	0.09956	0.01729	0.00023	-0.02711

Table 31.2: Ebb and Flow of Suspected Spatio-Temporal Differentiators across Section 5 Folios

Paragraph #	yodai$^{0-4}$n	yodai$^{0-4}$r	yodai$^{0-4}$l	o[tk]e$^{0-4}$y	[yo][fptk]e$^{1-4}$o	o[tk]e$^{1-4}$s	x
f103r #1-18	2 in #5, #8	2 in #4, #13		81 in #1 (7), #2 (4), #3 (6), #4 (5), #5 (4), #6 (2), #7, #8 (8), #9 (7), #10 (3), #11 (2), #12 (3), #13 (4), #14 (3), #15 (2), #16 (3), #17 (7), #18 (10)			
f103v #1-14				51 in #1 (9), #2 (3), #3 (2), #4 (3), #5, #6, #7, #8 (10), #9 (4), #10 (5), #11 (6), #12, #13 (3), #14 (2)			
f104r #1-13	12 in #1 (3), #2 (3), #4 (3), #7, #9 (2)	3 in #1, #2, #3	3 in #7, #10, #11 **m:** 1 in #4	10 in #1, #3, #5 (2), #6, #9, #12 (2), #13 (2)	2 in #1, #9		1 in #10
f104v #1-13	13 in #1 (4), #6, #7 (3), #8, #9, #11, #12, #13	3 in #7, #10, #11	1 in #2 **m:** 1 in #12	21 in #3, #4 (2), #6 (2), #7, #9, #10 (2), #12 (3), #13 (9)			
f105r #1-10, Paragraph Label	7 in #1 (3), #2, #5, #8, #9	4 in #1, #5, #9, #10	1 in #4	19 in #1 (6), #2 (2), #3, #5 (4), #6, #7, #8, #9 (2), #10		1 in #1	1 in #9
f105v #1-10	5 in #1, #4, #6, #10 (2)	4 in #1, #3 (2), #4	2 in #3, #7 **m:** 2 in #3, #10	5 in #3, #4, #10 (3)	2 in #6, #10	1 in #3	2 in #5, #8
f106r #1-15	3 in #8, #14, #15	5 in #6 (2), #8, #9, #15	2 in #7, #13	16 in #2 (2), #4 (4), #5, #7 (2), #12, #14, #15 (5)		2 in #4, #13	
f106v #1-15	10 in #3 (2), #4, #5, #9, #11, #12, #13, #15 (2)	5 in #1, #2, #5, #13, #14	3 in #5 (2), #12 **m:** 1 in #12	20 in #3, #9, #10 (3), #12, #13 (3), #14 (2), #15 (9)	2 in #1, #15		1 in #10
f107r #1-15	4 in #6, #7 (2), #14	1 in #1	1 in #4	16 in #1 (3), #2 (3), #3 (2), #4, #6, #13 (4), #15 (2)	1 in #7	1 in #1	1 in #10
f107v #1-15	6 in #3, #10 (2), #11, #12, #15	1 in #4		32 in #2 (2), #3, #4 (4), #8, #9 (3), #12 (4), #13 (2), #14 (3), #15 (12)	1 in #13		
f108r #1-14	1 in #4	2 in #10, #14		35 in #2 (6), #3 (4), #4 (2), #5, #7, #8 (3), #10, #12 (4), #13 (7), #14 (6)	1 in #4		1 in #1
f108v #1-8 Paragraph Label	2 in #8 (2)	1 in #5		59 in #1 (2), #2 (5), #3 (5), #4 (6), #5 (3), #6, #7, #8 (36)	1 in #1		1 in #2
f111r #1-6	4 in #2 (4)	2 in #2 (2)	1 in #2	52 in #1 (7), #2 (31), #3 (4), #4 (5), #5 (4), #6	5 in #2 (3), #3, #4	3 in #2 (2), #4	2 in #2 (2)
f111v #1-10	2 in #2, #8	1 in #1		20 in #1 (8), #2, #4, #8 (5), #9 (2), #10 (3)	2 in #1 (2)		
f112r #1-11	1 in #1			47 in #1 (9), #2 (11), #3 (3), #4 (4), #5 (3), #6 (4), #7 (2), #8 (3), #9 (3), #11 (5)	1 in #11		1 in #1
f112v #1-13	2 in #4, #8	1 in #12		31 in #1 (8), #2, #3 (6), #4 (5), #5, #7 (2), #8 (3), #11, #12, #13 (3)			
f113r #1-16	7 in #1, #4 (2), #8, #11, #14, #15	3 in #9, #10, #16		16 in #1 (2), #2, #3 (2), #4, #6 (2), #10, #11, #13, #14, #16 (4)	2 in #2, #9	1 in #12	
f113v #1-15	2 in #2, #11	3 in #1, #2 (2)	1 in #3	18 in #1, #2, #3, #5, #8 (2), #9 (4), #11, #12 (4), #13, #14, #15	2 in #4, #10	1 in #2	2 in #5, #9
f114r #1-13, Paragraph Label	19 in #2, #3 (2), #5 (2), #6, #7, #8 (4), #10 (3), #11, #12, #13 (3)	4 in #2, #5 (2), #11	2 in #2, #8	10 in #4, #5 (2), #6, #9 (2), #10, #11, #12 (2)		1 in #12	
f114v #1-12	7 in #1, #6, #7, #10, #11, #12 (2)	1 in #5	2 in #1, #9	16 in #1 (2), #3, #5, #9 (2), #10, #11 (3), #12 (6)	3 in #10, #12 (2)		1 in #6
f115r #1-13	9 in #2, #4, #5, #6 (2), #7, #10 (2), #11	5 in #5 (2), #8, #9 (2)		12 in #1, #4, #6, #7 (2), #8, #9 (4), #11, #13	1 in #7		
f115v #1-13	9 in #1 (2), #2, #4, #6, #7, #8, #10 (2)		**m:** 2 in #5, #13	14 in #1 (2), #2, #5 (3), #6 (2), #11 (3), #13 (3)	1 in #3	2 in #1, #8	2 in #6 (2)
f116r	2 in #7, #8	1 in #7	1 in #8	46 in #1 (4), #2 (3), #3 (6), #4 (2), #5 (5), #6 (12), #7 (8), #8 (6)			

Table 31.3: Ebb and Flow of Anatomical Cause/Target Differentiators across Section 5 Folios

Paragraph #	olk	olt, olp, olf, ol[ds]	[fptk][yo]lc, [yo]lc, olceey relatives	om	oe$^{1-4}$y	oe$^{1-4}$s	oly
f103r #1-18	3 in #5, #10, #16	**old:** 1 in #11	1 in #6		2 in #3, #6	6 in #3 (2), #6, #8, #14, #17	
f103v #1-14	6 in #2, #3, #5, #8, #10, #12	**olf:** 1 in #1					4 in #2, #10, #11, #14
f104r #1-13	13 in #3, #4, #5, #6 (2), #7 (2), #8, #9, #12 (3), #13	**olf:** 1 in #3			3 in #2, #4, #6	5 in #1 (2), #2, #3, #12	2 in #3, #9
f104v #1-13	4 in #5 (3), #6	**ols:**1 in #6	1 in #4	1 in #13	5 in #1, #4, #5, #7, #9	8 in #2, #3, #5, #7, #10 (2), #11, #12	
f105r #1-10, Paragraph Label	11 in #1, #3, #4 (2), #5 (3), #8 (3), #9	**ols:** 2 in #5, #6 **olp:** 1 in #2 **olf:** 1 in #5			5 in #1, #4, #5 (2), #8	7 in #2 (2), #3 (2), #4, #8, #9	1 in #2
f105v #1-10	9 in #1 (2), #2 (2), #4, #5 (2), #7, #10	**old:** 1 in #1 **olp:** 4 in #1 (2), #3, #4		1 in #2		5 in #3 (4), #4	
f106r #1-15	8 in #2, #3, #4 (2), #7 (2), #8, #15	**olf:** 1 in #14				2 in #1, #7	2 in #4, #10
f106v #1-15	7 in #2, #3 (2), #4, #8, #10, #12		3 in #7 (2), #14	1 in #10	3 in #2 (2), #4	13 in #4, #6, #7, #10 (5), #11, #12, #15 (3)	
f107r #1-15	7 in #1, #2, #5, #9, #12 (2), #13	**ols:** 1 in #10 **olf:** 1 in #8	1 in #4	3 in #3, #8, #15	2 in #5, #14	6 in #1 (2), #5 (3), #6	
f107v #1-15	19 in #1 (2), #2, #3 (2), #4, #5, #6, #7, #8 (3), #9, #11 (3), #12 (3)	**old:** 1 in #8	2 in #3, #11		4 in #10, #13, #15 (2)	1 in #1	
f108r #1-14	6 in #5, #8 (2), #9, #13 (2)	**olp:** 1 in #1	2 in #5, #9	3 in #6, #13 (2)	2 in #10, #13		3 in #1, #4, #5
f108v #1-8 Paragraph Label	10 in #2 (2), #4, #5 (2), #7, #8 (4)	**old:** 1 in #7 **ols:** 1 in #5		1 in #2	2 in #5, #7	2 in #4, #8	
f111r #1-6	8 in #2 (5), #3, #4, #6			4 in #2 (2), #4, #6		3 in #2 (3)	
f111v #1-10	6 in #1 (3), #3, #4, #9		2 in #8, #9	1 in #2		1 in #10	
f112r #1-11	7 in #1 (3), #3, #4, #9 (2)	**olf:** 1 in #6	2 in #1, #4	4 in #3, #6, #9, #10	2 in #1 (2)	1 in #10	
f112v #1-13	8 in #3 (2), #4, #5, #6,	**old:** 1 in #1			4 in #3, #4, #8 (2)	5 in #1, #2, #3, #7 (2)	1 in #13

	#8, #13 (2)						
f113r #1-16	8 in #2 (2), #6 (2), #10, #15, #16 (2)		2 in #5, #11	2 in #4, #6	3 in #4, #5, #14	20 in #1 (2), #2 (5), #3 (3), #4, #10, #12 (2), #13, #14, #16 (4)	
f113v #1-15	10 in #3 (2), #4, #5 (2), #7, #9, #11, #12, #14	**ols:** 1 in #10		1 in #1	3 in #1, #9, #12	6 in #2, #5, #7 (2), #13 (2)	
f114r #1-13, Paragraph Label	7 in #Paragraph Label, #4, #5, #8 (2), #9 (2)	**old:** 1 in #8 **ols:** 1 in #11 **olp:** 2 in #4, #5		1 in #4	4 in #1, #8 (2), #11	11 in #1 (2), #3, #4, #5, #7, #8, #11, #12 (2), #13	
f114v #1-12	6 in #3 (2), #7, #8, #11 (2)		1 in #9	1 in #4	5 in #6 (2), #8, #12 (2)	8 in #1, #3 (2), #5, #8 (2), #9, #10	1 in #10
f115r #1-13	5 in #2 (2), #5 (2), #8	**ols:** 2 in #11, #13	1 in #6	3 in #3, #5, #8	1 in #11	11 in #1 (2), #2, #8 (3), #9 (2), #10, #11 (2)	
f115v #1-13	7 in #2 (2), #3, #7, #8 (2), #12	**old:** 1 in #1	2 in #5, #13	2 in #1, #6		10 in #3, #7, #8 (2), #11 (2), #12 (2), #13 (2)	
f116r	6 in #4, #7 (4), #8			4 in #1, #6 (2), #7	1 in #8	1 in #7	4 in #2, #7 (2), #8

Table 31.4: Ebb and Flow of Primary Problem/Disease Differentiators across Section 5 Folios

Paragraph #	o[fptk]c + e^{1-4}dy	opce$^{1-4}$y	o[fptk]c + e^{1-4}y	o[dlrs]ce1-4y	o[fptk]c + e^{1-4}o	o[fptk]c + e^{1-4}ody	o[fptk]ce$^{1-4}$[lrsmg]
f103r #1-18	4 in #1, #8, #10, #15	2 in #7, #18	7 in #1, #7, #8, #9 (2), #13, #18	3 in #1, #3, #14	1 in #3		
f103v #1-14	6 in #2 (2), #3, #4, #6, #10	2 in #11, #14	7 in #3, #5, #8, #11 (2), #12, #14	7 in #2, #4 (2), #5, #8, #9, #13			
f104r #1-13	13 in #1 (3), #2 (3), #4, #6, #9, #11, #12, #13 (2)	2 in #4, #5	4 in #4, #5, #9 (2)	1 in #3	2 in #4, #13	1 in #11	
f104v #1-13	16 in #1 (2), #2, #3, #4, #5 (3), #6 (2), #7 (3), #8, #9, #12	1 in #12	9 in #2, #5, #6 (2), #7 (2), #8, #9, #12	1 in #8	4 in #5 (2), #9, #13		1 in #4
f105r #1-10, Paragraph Label	11 in #1 (2), #2, #3, #5, #7, #8 (2), #9, #10 (2)	4 in #1, #5, #7, #8	7 in #1 (2), #2, #3, #5, #7, #8	2 in #1, #2			
f105v #1-10	10 in #2, #3 (4), #4, #6 (2), #9, #10	1 in #8	4 in #1, #3, #8, #10		3 in #2, #8, #10	1 in #6	1 in #5
f106r #1-15	12 in #1 (3), #2 (2), #6, #7 (2), #8, #9, #14, #15	3 in #7 (2), #14	7 in #5, #7 (2), #8, #14 (2), #15	3 in #1, #5, #7	1 in #1	2 in #8, #12	3 in #1, #6, #11
f106v #1-15	18 in #2 (2), #3, #4, #5 (6), #6 (2), #7, #8 (2), #9, #11, #14	4 in #1, #3, #4, #9	9 in #1 (2), #3, #4, #6, #8 (2), #9, #13	1 in #10		1 in #13	3 in #7 (2), #9
f107r #1-15	9 in #2 (4), #8, #9 (2), #12, #13		11 in #1, #2 (4), #9, #11, #12 (2), #13, #15	3 in #1, #6, #15	1 in #2		
f107v #1-15	5 in #2 (2), #4, #6, #9	2 in #8, #14	10 in #4, #5, #8 (3), #10, #12 (2), #13, #14				
f108r #1-14	11 in #1, #2, #5 (2), #6, #7, #8, #9 (2), #11 (2)	1 in #11	5 in #2 (2), #3, #4, #11	2 in #1, #7			1 in #8
f108v #1-8 Paragraph Label	4 in #2, #4, #5, #8		1 in #2	2 in #4, #8			1 in #5
f111r #1-6	6 in #2 (4), #3, #6	1 in #3	5 in #1, #2 (2), #3, #6	1 in #2			
f111v #1-10	6 in #1, #2, #3, #4, #7, #9	3 in #3, #9, #10	7 in #1, #3 (2), #4, #9 (2), #10	4 in #1, #2, #8, #9	1 in #1		
f112r #1-11	8 in #1, #2, #6 (3), #8 (2), #10		6 in #1, #7, #10 (3), #11	1 in #1			
f112v #1-13	9 in #2 (3), #3, #6, #9 (2), #10, #13	2 in #10, #13	6 in #1, #10, #11, #13 (3)		1 in #10		
f113r #1-16	15 in #1, #2, #4, #5, #6, #7, #8, #11, #12 (2), #13 (3), #15 (2)	3 in #3, #8, #16	12 in #2, #3, #5 (2), #6, #7, #8 (2), #9, #14 (2), #16	1 in #4		3 in #5, #8, #9	2 in #11, #12
f113v #1-15	10 in #1, #3 (2), #5 (2), #6, #8, #14 (2), #15	2 in #4, #8	7 in #1 (2), #4, #8 (2), #10, #11	3 in #2, #3, #4		2 in #4, #9	2 in #2, #10
f114r #1-13, Paragraph Label	20 in #2 (2), #3 (2), #4 (3), #5 (2), #6 (2), #7, #9, #11 (3), #12 (3), #13		2 in #11, #13		1 in #10		
f114v #1-12	15 in #1, #2 (3), #3, #4, #5 (4), #7 (2), #8 (2), #10	1 in #10	4 in #7, #10, #12 (2)	1 in #10	1 in #1	3 in #7, #9, #10	
f115r #1-13	24 in #1, #2 (2), #3, #4 (3), #5 (3), #6 (4), #7 (2), #8, #9 (2), #12, #13 (4)		9 in #1, #2, #4, #5, #6, #8, #9, #11 (2)	3 in #12 (2), #13	3 in #5 (2), #11		
f115v #1-13	14 in #1 (6), #3, #6 (3), #7, #10 (2), #11	1 in #13	11 in #1, #3, #4, #8, #10 (2), #12, #13 (4)	1 in #13			3 in #3 (2), #8
f116r	1 in #2		2 in #6, #7	2 in #6, #7			

Table 31.5: Ebb and Flow of Suspected Color/Symptom Diagnostic Criteria across Section 5 Folios

Paragraph #	[yo]c + e^{1-4}o Superclass	[yo]ce$^{1-4}$y	yce$^{1-4}$y + infixed versions	yc + e^{1-4}o[lr]	[yo]c + e^{1-4}dy	[yo]c + e^{1-4}ody
f103r #1-18	1 in #1	2 in #2, #9			1 in #1	
f103v #1-14	1 in #8	1 in #1	3 in #1, #11, #13		1 in #5	1 in #8
f104r #1-13	9 in #2 (2), #3, #5 (2), #8, #9, #10 (2)				4 in #1 (2), #2 (2)	4 in #2, #3, #5, #9
f104v #1-13	7 in #3, #4, #6, #7, #9 (2), #10	4 in #5 (2), #6, #7	1 in #12	5 in #4, #6, #7, #9 (2)	3 in #2, #3, #7	
f105r #1-10, Paragraph Label	4 in #2, #5 (2), #9	1 in #9			2 in #1, #3	1 in #2
f105v #1-10	3 in #1, #2, #10	2 in #4, #5	3 in #4, #5, #10		2 in #3 (2)	1 in #1
f106r #1-15	11 in #2, #3 (3), #5, #6, #9, #10, #11, #14, #15			4 in #2, #3, #5, #11	4 in #2, #6, #7, #8	
f106v #1-15	3 in #1, #3, #7	4 in #4, #10 (2), #11	3 in #4, #10, #11		1 in #3	1 in #3
f107r #1-15	3 in #3, #4, #13			2 in #3, #4	2 in #1, #10	
f107v #1-15	3 in #4, #8, #15	3 in #4, #15 (2)	3 in #4, #15 (2)	1 in #8	1 in #1	1 in #4
f108r #1-14	4 in #1, #8, #10, #11	2 in #4, #13	1 in #13	2 in #8, #10	2 in #3 (2)	
f108v #1-8 Paragraph Label		2 in #8 (2)	2 in #8 (2)		1 in #2	
f111r #1-6	2 in #2 (2)	3 in #2 (2), #3	1 in #3		3 in #2 (3)	
f111v #1-10	1 in #8	2 in #5, #8	1 in #8			
f112r #1-11	1 in #5				3 in #5, #6, #11	

f112v #1-13	3 in #2, #3, #6			1 in #6	1 in #5	
f113r #1-16	3 in #4, #5, #6					1 in #6
f113v #1-15	8 in #2, #3 (2), #8, #9, #12, #13, #15	1 in #1	3 in #1, #9, #15	3 in #8, #13, #15		2 in #2, #3
f114r #1-13, Paragraph Label	6 in #1, #2, #4, #5, #8, #12	1 in #8			3 in #4 (2), #13	1 in #1
f114v #1-12	4 in #9, #10 (3)	2 in #10 (2)	2 in #10, #11	1 in #10	4 in #1 (2), #3, #4	1 in #10
f115r #1-13	5 in #1, #5 (2), #8, #10	2 in #9, #11	2 in #9, #11		2 in #2 (2)	
f115v #1-13	2 in #1, #13	1 in #8	2 in #6, #8		2 in #5, #6	1 in #1
f116r						

Table 31.6: Ebb and Flow of Primary Remedy/Solution Members across Section 5 Folios

Paragraph #	[yo][fptk]ai^{a-k}n	okal	okar	otal	otar	okol	okor	otol	otor	o[fp][ao][lr]	[yo][fptk]e^{l-t}od + y
f103r #1-18	31 in #1, #2, #3 (4), #4 (2), #6 (8), #7, #8 (3), #9 (2), #10 (3), #13 (2), #15, #17 (2), #18	16 in #1, #2 (2), #3, #5, #6, #7 (2), #8, #9, #10 (2), #11, #14, #15, #16	2 in #4, #6	5 in #1, #7, #13, #15, #18	5 in #1, #3, #7 (2), #14	1 in #1		1 in #17			1 in #2
f103v #1-14	34 in #1 (2), #2 (5), #3 (2), #4, #5 (4), #7 (2), #8 (8), #9, #10 (2), #11 (3), #12, #13, #14 (2)	3 in #1, #3, #6		7 in #5, #6, #7, #8 (3), #11	8 in #3, #5, #7, #8, #9 (2), #13, #14					**opar:** 1 in #8 **opal:**1 in #4	
f104r #1-13	26 in #2 (3), #5, #6 (2), #7, #8 (2), #9 (2), #10 (2), #11 (3), #12 (3), #13 (7)	7 in #1, #2, #4, #9, #10 (2), #11	14 in #1, #2 (2), #3 (2), #4 (3), #5, #7, #9, #11 (3)	7 in #3, #4 (2), #5, #7, #11, #12	7 in #2, #5, #6 (2), #11 (2), #12	2 in #2, #9	2 in #2, #7	2 in #3, #4	2 in #4, #6	**opar:** 3 in #6, #8, #11	7 in #1 (2), #4, #5 (2), #9, #11 **o[fptk]ody:** 1 in #1
f104v #1-13	28 in #1 (2), #2, #3 (5), #4, #5 (4), #6, #7, #10 (5), #11 (2), #12 (2), #13 (4)		3 in #1, #7, #9		7 in #1 (3), #3, #7 (2), #9	3 in #3 (2), #6		4 in #1, #3, #5, #6	1 in #7		**o[fptk]ody**: 1 in #2
f105r #1-10, Paragraph Label	8 in #1 (2), #2, #5 (2), #9 (2), #10	3 in #9 (2), #10	6 in #1, #5, #8, #9, #10 (2)	1 in #Paragraph Label	5 in #Paragraph Label, #9, #10 (3)	1 in #8	1 in #2	1 in #5		**ofor:** 1 in #10 **opar:** 2 in #5, #8	9 in #1, #2 (3), #3 (2), #4 (2), #5
f105v #1-10	25 in #1 (3), #2, #3 (2), #4 (2), #5, #6 (3), #7, #8 (2), #9 (2), #10 (8)	2 in #2, #4	6 in #1, #2, #3 (2), #4 (2)	3 in #3, #4, #8	8 in #2, #3, #6, #7, #8, #9 (2), #10	2 in #1, #10	1 in #9	1 in #1	3 in #1, #8, #9	**opor:** 1 in #10 **opar:** 4 in #3, #5, #8, #9	3 in #2, #6, #10
f106r #1-15	37 in #2, #3, #4, #5 (2), #6, #7 (6), #9 (4), #10 (7), #11 (3), #12, #13, #14, #15 (8)	6 in #10 (2), #11, #13, #14, #15	4 in #3, #4, #9, #15	1 in #5	8 in #1, #2, #6 (2), #12, #15 (3)	1 in #6	1 in #2	2 in #7 (2)	1 in #3	**opor:** 1 in #12 **opal:**1 in #5	3 in #1, #2, #14
f106v #1-15	34 in #1 (2), #2 (6), #3, #4 (3), #5, #6 (2), #8 (3), #10 (6), #12 (3), #13, #14, #15 (5)	5 in #4, #7, #8, #9, #15	9 in #1 (2), #5, #7, #8 (3), #10, #13	6 in #4 (2), #5, #6 (2), #9	9 in #1 (3), #4 (2), #5, #10, #11, #15	1 in #8	2 in #7, #10	1 in #15	1 in #12	**opol:** 1 in #13 **opal:**1 in #1	3 in #4, #10, #14 **o[fptk]ody:** 1 in #10
f107r #1-15	47 in #1 (4), #2 (4), #3 (5), #4 (3), #5 (2), #6, #7 (3), #8, #9, #10 (3), #11 (4), #12 (4), #13 (2), #14 (4), #15 (6)	12 in #3, #7, #8 (3), #9, #10 (2), #12 (3), #14	7 in #2, #7, #9, #10 (2), #15 (2)	10 in #5, #7 (2), #11, #12, #13, #14 (2), #15 (2)	12 in #1, #2, #3, #4 (3), #8, #9, #10, #11, #12, #14		2 in #3, #11		1 in #1	**opal:**3 in #6, #10, #14	1 in #13
f107v #1-15	51 in #1 (3), #2 (4), #3 (4), #4 (9), #5 (7), #6, #8 (4), #9 (4), #10 (5), #11 (2), #12 (5), #13, #15 (2)	12 in #2, #4 (5), #5 (3), #6, #12, #14	10 in #1 (2), #3 (2), #4 (2), #5, #8, #11, #13	9 in #1 (4), #4 (2), #6, #7, #8	4 in #1, #2, #6, #12	5 in #3, #6, #8, #12 (2)		2 in #2, #4		**opal:**2 in #6, #7	3 in #5, #9, #10
f108r #1-14	15 in #1, #4 (3), #5 (2), #6, #7 (2), #8 (2), #9, #10, #13, #14	9 in #4, #5, #6, #7, #8 (3), #10, #11	9 in #2 (2), #3, #6, #10, #13 (3), #14	8 in #1, #3, #4, #5, #7 (2), #10, #11	2 in #3, #13	2 in #6 (2)	1 in #5	1 in #2		**ofal:** 1 in #5 1 in #11	3 in #1, #4, #13
f108v #1-8 Paragraph Label	12 in #1, #4, #5 (2), #6, #7, #8 (6)	7 in #2 (3), #5 (2), #8 (2)	6 in #2 (4), #5 (2)	3 in #4 (2), #8	1 in #5						1 in #8 **o[fptk]ody:** 1 in #1
f111r #1-6	14 in #1, #2 (5), #3 (2), #5 (3), #6 (3)	3 in #6 (3)	2 in #2 (2)		2 in #2, #3						6 in #2 (6)
f111v #1-10	77 in #1 (24), #2 (18), #3 (3), #4 (6), #5, #6 (3), #7 (3), #8 (9), #9 (2), #10 (8)	5 in #1, #2 (2), #8, #10	8 in #1 (2), #2 (3), #4, #7 (2)	5 in #1 (3), #7, #8	3 in #1, #7 (2)						
f112r #1-11	15 in #1 (3), #2 (3), #3, #6 (2), #7 (2), #9 (2), #10, #11	4 in #3, #9, #10 (2)	7 in #1 (2), #8, #10 (2), #11 (2)	3 in #1, #4, #11	5 in #1 (4), #9					**opol:** 1 in #5 **opor:** 1 in #11 **opar:** 1 in #8 **opal:**2 in #10 (2)	3 in #6, #9, #11 **o[fptk]ody:** 2 in #1 (2)
f112v #1-13	23 in #1 (2), #2 (3), #3, #4 (2), #5 (2), #6 (2), #7, #10 (2), #11 (3), #12 (3), #13 (2)	3 in #1, #2, #13	2 in #2, #10	4 in #1 (2), #2, #4	2 in #13 (2)		1 in #2	1 in #13		**opar:** 1 in #2 **opal:**2 in #1, #13	2 in #4, #9
f113r #1-16	32 in #2 (2), #3 (3), #6, #8 (3), #10 (2), #11 (7), #12, #13, #14 (2), #16 (10)	3 in #2, #8, #16	4 in #3, #6, #7, #12	6 in #2 (2), #3, #11 (2), #13	4 in #2, #6, #11, #12	2 in #1, #2			1 in #16		6 in #1, #4, #7, #14, #16 (2) **o[fptk]ody:** 1 in #16
f113v #1-15	53 in #1 (2), #2 (2), #3 (3), #5 (5), #6 (2), #7 (9), #8 (4), #9 (8), #10 (6), #12 (4), #13 (4), #15 (4)	7 in #1, #5 (2), #6, #9, #10, #15	14 in #4, #5 (2), #6 (2), #7 (4), #8, #9, #11 (2), #13	1 in #7	16 in #1 (5), #3 (2), #4 (3), #5, #6, #7 (2), #8, #12	1 in #5	1 in #12	3 in #4, #8, #9	4 in #3, #4, #5, #12	**opor:** 1 in #2 **opal:**1 in #10	4 in #1, #2, #6, #14 **o[fptk]ody: 2 in #6, #8**
f114r #1-13, Paragraph Label	21 in #Paragraph Label, #1 (2), #2 (2), #3, #4, #5, #8 (2), #9, #10 (2), #11 (2), #12, #13 (5)	1 in #11	10 in #Paragraph Label, #1, #2, #5, #7, #8, #9, #11, #12, #13	4 in #5, #10, #11, #13	11 in #3, #5 (2), #6, #8, #9, #10, #11, #12, #13 (2)	2 in #5, #8		3 in #5, #9, #13		**opar:** 1 in #6	**o[fptk]ody:** 1 in #1
f114v #1-12	32 in #1 (2), #2 (2), #3 (2), #4 (2), #5 (2), #6 (2), #7, #8 (3), #9 (2), #10 (4), #11, #12 (9)	4 in #1, #5, #6, #12	1 in #12	4 in #3, #10 (2), #12	5 in #1, #4, #6, #10, #12	3 in #5, #7, #10	1 in #5	3 in #1, #4, #9			3 in #1, #8, #12 **o[fptk]ody:** 2 in #5, #6
f115r #1-13	14 in #2, #3, #4, #5 (3), #8, #9 (4), #13 (3)		5 in #2, #5, #8, #9, #12	1 in #9	7 in #2 (2), #8, #13 (4)	1 in #13	2 in #4, #11	1 in #5	2 in #5 (2)	**opol:** 2 in #1, #9	2 in #7 (2)
f115v #1-13	15 in #1, #2, #3 (3), #5 (4), #6, #10, #12 (2), #13 (2)		7 in #1, #3, #5, #8, #10, #11, #13	2 in #6 (2)	4 in #1 (2), #11, #13		2 in #2 (2)	1 in #3		**opol:** 1 in #1 **opor:** 1 in #10	3 in #1, #2, #6
f116r	41 in #1 (3), #3 (4), #4 (4), #6 (12), #7 (15), #8 (3)	5 in #6 (4), #8	6 in #6, #8 (5)	8 in #1, #2, #4, #5 (3), #6 (2)	7 in #2, #5 (2), #6 (4)			1 in #3	1 in #2		**o[fptk]ody: 1 in #3**

Table 31.7: Ebb and Flow of Primary Bath-Related Nouns across Section 5 Folios

Paragraph #	o[fptk]e^{n*a}dy	o[fptk]e0-4dai^{n*a}[lrsm | n]	o[fptk][dlrsmg] and o[tk][lr]	edo	[ao][lr][ao][lr] Pipe/Flow
f103r #1-18	35 in #1 (2), #2 (3), #3 (2), #4 (2), #5, #7 (4), #8, #10 (2), #11, #12 (4), #13 (4), #14 (3), #16 (4), #17, #18	2 in #2, #3	1 in #2		10 in #1, #2, #4, #6 (2), #14, #16, #17 (3)
f103v #1-14	21 in #1 (4), #2 (2), #3 (2), #4, #5 (2), #6 (3), #8 (2), #9 (2), #10, #11 (2)	2 in #6, #13			5 in #6, #9, #13 (2), #14
f104r #1-13	9 in #1 (3), #2, #5 (2), #8, #12, #13	1 in #7	1 in #12	1 in #4	5 in #5, #7, #8, #10, #12
f104v #1-13	14 in #1 (3), #3 (5), #4, #11 (3), #13 (2)	2 in #7, #12		5 in #1, #3 (2), #5, #8	13 in #1 (4), #2, #6, #7, #8, #9, #10 (2), #12, #13
f105r #1-10, Paragraph Label	20 in #1 (3), #2 (3), #3 (2), #4 (2), #5 (5), #7, #8 (3), #10	3 in #5, #8, #10	2 in #3, #9		7 in #4 (2), #5 (2), #6, #7, #10
f105v #1-10	9 in #1 (4), #2, #3, #8, #9 (2)	3 in #6, #7, #10	3 in #5, #6, #7	4 in #1, #3, #4, #8	8 in #1 (2), #3, #4, #5, #6 (2), #10
f106r #1-15	18 in #1 (3), #3 (2), #4 (3), #7 (3), #8 (3), #13, #15 (3)	3 in #3, #6, #11		1 in #3	11 in #2, #3 (2), #6, #8 (2), #10, #11, #13, #15 (2)
f106v #1-15	10 in #4, #8, #10 (2), #14 (2), #15 (4)	3 in #13 (2), #15			13 in #1 (2), #2 (2), #5 (2), #8 (2), #9, #10, #11, #14, #15
f107r #1-15	8 in #2 (2), #3 (4), #12, #14		2 in #11, #12		17 in #1 (2), #3, #4 (2), #5, #7 (3), #8, #9 (2), #10, #11, #12 (2), #15
f107v #1-15	12 in #1 (2), #3 (3), #4, #5, #9, #10, #11, #15 (2)	1 in #3	1 in #5	1 in #2	9 in #1, #4, #5 (2), #6 (2), #12, #13, #14
f108r #1-14	81 in #1 (6), #2 (6), #3 (3), #6 (6), #7, #8 (7), #9 (5), #10 (14), #11 (2), #12 (2), #13 (10), #14 (19)	9 in #1, #3, #6 (2), #8 (2), #9, #10, #13		1 in #13	8 in #6, #8, #10, #11, #13 (4)
f108v #1-8 Paragraph Label	64 in #Paragraph Label, #1 (5), #2 (11), #3 (4), #4 (2), #5 (3), #6, #7 (12), #8 (25)	18 in #1 (4), #2 (4), #3, #5 (4), #7 (3), #8 (2)			8 in #2, #3, #4, #5 (2), #6, #8 (2)
f111r #1-6	38 in #1 (3), #2 (25), #3 (8), #4, #5	8 in #1, #2 (5), #3, #4	1 in #3		5 in #2 (2), #3 (2), #6
f111v #1-10	15 in #1 (10), #8 (4), #9	4 in #1 (4)	4 in #2, #3 (2), #8		8 in #1, #3 (2), #7 (4), #10
f112r #1-11	34 in #1 (6), #2 (3), #3 (3), #4 (2), #5 (5), #6 (4), #8 (3), #9 (4), #10, #11 (3)	2 in #1, #3			14 in #1 (3), #3, #4, #6, #7 (2), #8 (2), #10, #11 (3)
f112v #1-13	29 in #1 (4), #2, #3 (2), #4 (5), #5, #6 (2), #7, #8 (2), #9, #10 (5), #11 (2), #12, #13 (2)	8 in #3 (2), #4, #8, #10, #11, #12, #13		2 in #8, #10	9 in #1, #2, #4, #5, #8, #9 (2), #12, #13
f113r #1-16	12 in #1 (2), #2, #5, #6 (2), #9 (2), #10 (2), #12, #16			1 in #2	6 in #1, #14, #15, #16 (3)
f113v #1-15	13 in #2 (4), #3, #4 (2), #10, #11 (2), #12, #15 (2)	2 in #2, #5	1 in #2	1 in #1	19 in #1 (4), #4 (2), #5 (2), #7 (2), #9 (3), #10 (2), #11, #12, #13, #14
f114r #1-13, Paragraph Label	15 in #1, #2 (2), #3, #4, #6 (2), #8, #9 (3), #12 (3), #13	11 in #3, #5 (5), #7, #9 (3), #10	5 in #5 (4), #9	7 in #1, #2 (3), #3, #5, #6	9 in #1, #3 (2), #4, #5, #8, #11, #13 (2)
f114v #1-12	11 in #1 (4), #3 (2), #4, #7, #8 (2), #11	5 in #1, #3, #7, #11, #12	1 in #1	5 in #1 (3), #7, #9	1 in #7
f115r #1-13	11 in #1 (2), #2 (5), #3 (2), #9, #13	2 in #4, #5	2 in #7, #12	2 in #5, #7	15 in #1 (4), #2, #3, #4, #5, #6 (2), #8, #9, #10, #11, #13
f115v #1-13	16 in #1 (4), #5, #6, #7 (5), #8 (2), #9, #12 (2)	3 in #1, #7, #9	1 in #1	5 in #1, #4, #8, #12, #13	4 in #5, #9, #12, #13
f116r	24 in #2 (3), #3 (4), #4 (4), #5 (2), #6 (8), #7 (3)	3 in #3, #4, #5	1 in #7		10 in #2, #4, #5, #6 (3), #7 (2), #8 (2)

Table 31.8: Ebb and Flow of Primary Ingredient Categories across Section 5 Folios

Paragraph #	c | c[s | fptk] + e^{1*a}dy	c + c[s | fptk]e^{1*a}y	ceckey relatives	[fptk | dlrsmg] + c | c[s | fptk] + e^{1*a}o	[fptk | dlrsmg] + c | c[s | fptk] + e^{1*a}o[dlrsmg]
f103r #1-18	37 in #1 (4), #2 (5), #3 (5), #4 (2), #6 (3), #7, #8, #9 (2), #10 (2), #11 (2), #12 (2), #13 (2), #15, #16 (2), #17, #18 (2)	30 in #2, #3 (6), #4 (2), #5 (2), #6 (3), #8 (4), #9 (2), #12, #13, #14 (2), #15 (2), #17 (4)	14 in #1, #3, #4, #5, #6, #7 (2), #8, #10 (2), #11, #13 (2), #14	1 in #14	16 in #2, #4 (2), #5, #7, #10, #11, #12, #14 (4), #16 (3), #17
f103v #1-14	28 in #1 (4), #2 (5), #3 (2), #4 (3), #5 (2), #6 (3), #7, #8, #10 (2), #12, #13, #14 (3)	33 in #1 (2), #2 (4), #3, #4, #5, #6 (2), #8 (2), #9 (3), #10 (2), #11 (4), #12 (4), #13 (5), #14 (2)	14 in #1, #6, #9 (2), #10, #11 (2), #13, #14 (6)	2 in #5, #9	13 in #1, #2 (4), #3 (2), #4, #5, #10, #13 (2), #14
f104r #1-13	10 in #1 (2), #2 (2), #3, #4, #5, #7, #10, #13	11 in #1 (2), #3, #7 (2), #8, #9 (2), #10, #13 (2)	3 in #7 (3)	6 in #2 (3), #4, #7, #8	15 in #2, #6, #7 (4), #8, #9 (2), #10 (4), #12, #13
f104v #1-13	22 in #1 (3), #2 (5), #3 (2), #5 (3), #6 (2), #7, #11, #12 (2), #13 (3)	18 in #1, #2, #5, #7 (4), #9 (2), #10, #12 (4), #13 (4)		11 in #2, #3, #4, #6 (2), #7, #8, #9, #10, #12, #13	28 in #1 (4), #2 (2), #3 (4), #4, #5 (2), #6 (4), #7 (2), #8 (4), #9, #10 (3), #11
f105r #1-10, Paragraph Label	16 in #1, #2, #3 (4), #5 (5), #6 (2), #7, #9, #10	11 in #1 (2), #2 (3), #3 (2), #5, #6, #7 (2)	1 in #4	3 in #1, #6, #7	5 in #1, #4, #5, #6, #8
f105v #1-10	4 in #2, #3, #8, #10	8 in #2, #4 (2), #6 (2), #9, #10 (2)		6 in #2, #5, #6, #9, #10 (2)	6 in #3, #4, #5, #7, #10 (2)
f106r #1-15	17 in #1 (3), #3, #5, #7 (2), #9, #12, #13 (2), #14 (4), #15 (2)	9 in #7 (2), #10 (2), #14 (4), #15	2 in #2, #11	17 in #2 (2), #5 (2), #7, #9 (2), #10 (4), #11, #12 (2), #13 (3)	23 in #1 (2), #2 (4), #3, #4, #5, #6 (2), #7, #10 (4), #12, #14 (3), #15 (3)
f106v #1-15	24 in #1, #4 (4), #5 (3), #6, #7, #8 (3), #9, #10, #12 (3), #13, #15 (5)	15 in #1, #4 (2), #6, #8, #10, #11 (2), #14, #15 (6)	1 in #1	9 in #1 (2), #2 (2), #5, #6, #7 (2), #13	16 in #1, #2, #3, #7, #8 (7), #10 (3), #12, #15
f107r #1-15	13 in #1, #2, #3 (2), #4 (3), #8, #10 (3), #11, #14	28 in #1, #3 (5), #4 (2), #5 (3), #6 (4), #8 (2), #9, #10 (4), #11, #12 (2), #13, #14 (2)	2 in #2, #11	4 in #3, #10, #11, #12	19 in #1, #3 (2), #4, #5, #6 (2), #8 (2), #9, #10 (2), #11 (2), #12 (2), #14, #15 (2)
f107v #1-15	11 in #1, #2, #3, #4 (2), #9, #11 (2), #12, #15 (2)	16 in #1 (2), #3 (2), #5, #8, #9 (3), #10 (2), #11, #15 (4)	2 in #5, #14	2 in #2, #8	17 in #1, #4 (2), #5 (3), #6 (3), #7, #8 (2), #9, #10, #11 (2), #12
f108r #1-14	29 in #1 (2), #2 (2), #3, #5 (2), #6 (4), #7 (2), #8 (3), #10 (2), #11 (5), #12 (2), #13 (2), #14 (2)	13 in #2, #3 (2), #5 (2), #6 (2), #7 (2), #12, #13 (2), #14	3 in #5, #10, #14	3 in #2, #13 (2)	10 in #2, #5 (2), #6, #7 (2), #8, #10, #13, #14
f108v #1-8 Paragraph Label	22 in #2 (2), #3, #4 (3), #5, #6 (2), #7 (4), #8 (9)	30 in #2 (2), #3 (2), #4 (2), #5 (5), #6 (2), #7, #8 (16)	10 in #1, #3 (2), #5 (2), #8 (5)	3 in #5 (3)	19 in #1, #3, #4 (2), #5 (2), #6 (2), #7, #8 (10)
f111r #1-6	30 in #1 (4), #2 (18), #3 (5), #4 (3)	19 in #1 (3), #2 (12), #4 (2), #6 (2)	10 in #1, #2 (4), #3, #5 (2), #6 (2)	9 in #2 (6), #3, #4 (2)	11 in #1 (2), #2 (6), #3 (2), #4
f111v #1-10	27 in #1 (10), #2 (6), #4, #6, #7, #8 (8)	34 in #1 (6), #2 (7), #3 (5), #5 (2), #6 (3), #7, #8 (2), #9 (3), #10 (5)	14 in #1 (6), #2 (2), #8 (2), #9 (2), #10 (2)	5 in #1 (3), #2, #8	12 in #1 (9), #2 (2), #3
f112r #1-11	14 in #1 (3), #2 (2), #3, #5 (3), #6, #7 (2), #8, #11	7 in #1, #2, #3 (3), #5, #10	2 in #6, #8	1 in #3	9 in #1 (2), #3, #4, #5, #6 (3), #11
f112v #1-13	21 in #1, #3 (2), #4 (3), #5 (2), #6 (3), #7 (2), #9, #10, #11 (3), #12, #13 (2)	9 in #1, #2, #4 (3), #7, #8 (2), #13	6 in #7 (2), #10 (2), #12 (2)	1 in #11	17 in #1, #3 (2), #5 (3), #7 (2), #8, #10 (2), #11 (2), #12 (3), #13
f113r #1-16	10 in #1, #2 (2), #6 (2), #9, #11, #15 (2), #16	18 in #2 (3), #3 (2), #4, #6, #7, #14 (4), #15, #16 (5)	7 in #2 (2), #6, #7, #8, #11, #16	12 in #2, #3 (2), #4, #5 (2), #6, #10, #12, #14, #16 (2)	40 in #2 (3), #3 (2), #4 (4), #5 (3), #6 (2), #7 (3), #8 (4), #9, #10 (6), #11, #13 (2), #15 (4), #16 (5)

f113v #1-15	9 in #5 (3), #9 (3), #10, #12, #15	12 in #1 (2), #4, #5 (2), #9, #12, #14 (2), #15 (3)	2 in #3, #10	3 in #5, #8, #11	18 in #2 (2), #4, #5 (6), #7 (2), #8 (2), #9 (2), #12 (2), #15
f114r #1-13, Paragraph Label	18 in #2 (6), #4, #5 (2), #7, #8 (2), #9 (2), #10 (2), #13 (2)	7 in #3, #8 (3), #11, #12, #13		9 in #2, #5, #6, #7, #8, #10, #11, #13 (2)	13 in #1, #3, #4, #5, #8 (2), #9 (2), #11, #12 (2), #13 (2)
f114v #1-12	16 in #1 (3), #2 (3), #3 (2), #4 (2), #5 (2), #7 (2), #9, #10	6 in #2, #5, #7 (2), #11, #12	1 in #11	8 in #2, #5, #6, #7, #9, #10 (2), #12	11 in #1, #2, #5 (4), #7, #8, #11 (2), #12
f115r #1-13	19 in #1 (2), #2 (2), #4 (2), #5 (3), #6, #7 (4), #8, #9 (3), #12	21 in #2 (2), #4, #5 (3), #6 (3), #7 (3), #8 (2), #9 (3), #10 (2), #11 (2)	2 in #7, #9	12 in #4 (3), #5 (3), #8, #9 (3), #12, #13	29 in #1 (2), #2 (3), #3 (4), #4, #5 (3), #6 (3), #7 (2), #8 (3), #9 (3), #11 (2), #13 (3)
f115v #1-13	13 in #2, #3, #5, #6, #7 (2), #8 (3), #9 (2), #11, #13	6 in #5, #8, #10 (2), #13 (2)	2 in #11 (2)	12 in #3, #5 (2), #6, #7, #8 (4), #11 (2), #13	13 in #1, #3, #4, #5 (2), #8, #11 (2), #12 (3), #13 (2)
f116r	32 in #1, #2 (4), #3 (2), #4 (5), #5 (4), #6 (12), #7 (4)	41 in #1 (4), #2, #4 (3), #5, #6 (9), #7 (18), #8 (5)	14 in #2, #4, #6 (3), #7 (7), #8 (2)		7 in #3, #4 (2), #6 (3), #7

Table 31.9: Ebb and Flow of Primary Semantic Verb Differentiators across Section 5 Folios

Paragraph #	c + e^{1-4}a	cedai$^{1-4}$[lrsm | n]	[fptk | dlrs] prefixes to dai$^{1-4}$[lrsm | n]	a[lr][fptk]	rai$^{0-4}$n	dai$^{0-4}$n	dai$^{0-4}$m
f103r #1-18	17 in #1 (2), #2, #3 (3), #6, #7, #9, #10, #12, #13, #14, #15 (3), #17	14 in #1 (5), #7, #8 (2), #10 (2), #12, #16 (2), #18		3 in #7, #9, #13	1 in #3	6 in #1 (2), #2, #3, #7, #8	
f103v #1-14	20 in #1, #3 (2), #4, #5, #6 (4), #7 (2), #8 (2), #10 (2), #13 (4), #14	1 in #5		1 in #6	2 in #13, #14	8 in #1 (2), #4, #6, #9, #10, #11, #13	
f104r #1-13	14 in #1, #5, #6 (2), #7 (4), #8 (3), #9 (2), #11	16 in #1 (3), #2 (4), #3, #6, #7, #8 (3), #9 (2), #10	1 in #1	1 in #12		7 in #2, #4, #7, #8 (2), #9, #13	2 in #2, #7
f104v #1-13	5 in #4, #9 (2), #12, #13	12 in #1 (3), #3, #4 (2), #5, #6, #7, #10, #11, #12			2 in #8, #13	6 in #3, #4, #7 (2), #8, #13	1 in #1
f105r #1-10, Paragraph Label		3 in #Paragraph Label, #3, #5	3 in #3, #5, #7	1 in #9	5 in #1, #2, #4, #5, #8	6 in #4, #5 (3), #6, #9	2 in #5, #6
f105v #1-10		13 in #1 (2), #2 (2), #3, #4, #5, #6 (2), #8, #10 (3)	1 in #3	4 in #3, #7, #8 (2)		15 in #2 (2), #3 (2), #4 (4), #6, #7, #8, #9 (2), #10 (2)	1 in #6
f106r #1-15	10 in #2, #7 (2), #9, #10 (2), #14 (2), #15 (2)	10 in #1, #6 (3), #9 (2), #14, #15 (3)	1 in #7	1 in #15	4 in #2, #4, #10 (2)	4 in #5, #6, #13, #15	
f106v #1-15	14 in #1, #2 (2), #3, #4 (2), #7, #8 (2), #9, #10 (2), #15 (2)	11 in #1 (4), #6, #7, #8 (2), #9, #11, #15		1 in #4	5 in #4, #6, #13, #15 (2)	3 in #1 (2), #2	
f107r #1-15	19 in #2, #3 (2), #4 (4), #7 (2), #8 (3), #10 (2), #11, #12 (2), #15 (2)	6 in #2 (2), #3, #4, #8, #12		3 in #11, #14, #15	4 in #1, #4, #7, #10	6 in #2, #7, #10, #11, #13 (2)	
f107v #1-15	7 in #2, #4, #7 (3), #12, #14	1 in #6	2 in #2, #15	6 in #1 (2), #5, #6, #7 (2)	4 in #5, #10 (2), #12	7 in #1 (3), #4, #7, #12, #15	
f108r #1-14	8 in #2, #5, #6, #7, #8 (2), #13 (2)	15 in #1, #2, #3, #8 (3), #9, #11 (3), #13 (4), #14	5 in #1, #3, #6, #7, #13	6 in #6, #8, #9, #10, #12, #14	3 in #4, #6, #8	11 in #3, #4 (2), #5 (2), #6 (2), #13, #14 (3)	
f108v #1-8 Paragraph Label	24 in #Paragraph Label, #1, #2 (2), #4, #5 (5), #6, #8 (13)	17 in #1 (3), #2 (3), #5 (3), #7 (3), #8 (5)	9 in #2 (3), #3, #4 (2), #5, #8 (2)	2 in #1, #4	5 in #2, #3, #5 (2), #7	14 in #1, #3, #5 (6), #7, #8 (5)	1 in #2
f111r #1-6	24 in #1 (3), #2 (5), #3 (2), #4 (3), #5 (4), #6 (7)	14 in #1, #2 (9), #3 (3), #4	5 in #2 (2), #3, #4, #5	1 in #2	3 in #2, #3, #6	19 in #1, #2 (14), #3 (3), #6	2 in #2, #5
f111v #1-10	49 in #1 (13), #2 (9), #3 (2), #5 (2), #6 (6), #7, #8 (9), #9 (3), #10 (4)	9 in #1 (5), #2, #3, #9, #10	1 in #3	6 in #1, #2 (2), #6, #8, #9	1 in #1	7 in #1 (3), #2 (2), #8 (2)	
f112r #1-11	5 in #3, #6 (2), #8, #10	6 in #1 (2), #5, #7 (2), #8	2 in #5, #9	2 in #7, #10	2 in #4, #11		1 in #1
f112v #1-13	11 in #1 (2), #3, #4 (2), #12 (2), #13 (4)	18 in #2, #3 (2), #4 (2), #6 (3), #7 (2), #9, #10 (4), #11 (2), #13	3 in #8, #11, #13	2 in #9, #13		8 in #1, #2, #3 (2), #4, #11, #12 (2)	
f113r #1-16	22 in #2, #5, #6 (4), #7 (2), #9 (2), #10 (2), #11 (7), #12, #13, #14	12 in #1, #5, #6, #7 (2), #9, #12 (3), #13, #15, #16		2 in #10, #15	1 in #10	5 in #3, #4, #10, #13 (2)	
f113v #1-15	11 in #3, #6 (4), #9 (3), #10, #13, #14	3 in #5 (2), #6	1 in #4	2 in #8, #12	2 in #5, #7	6 in #2, #5, #6, #9, #10, #13	
f114r #1-13, Paragraph Label	3 in #2, #10, #12	30 in #Paragraph Label, #2 (5), #3 (5), #4, #5 (2), #6 (4), #8, #9 (3), #10 (2), #11 (3), #12, #13 (2)	4 in #1, #5, #7, #9	2 in #Paragraph Label, #10	2 in #1, #11	16 in #2 (3), #3 (2), #4, #5, #6, #8, #9, #10, #12 (2), #13 (3)	1 in #3
f114v #1-12	3 in #1, #4, #5	28 in #1 (7), #2 (3), #3 (5), #4 (2), #5 (4), #7 (4), #8, #9, #10	1 in #4	2 in #8, #12	1 in #10	9 in #1 (2), #3, #4 (2), #7 (2), #12 (2)	1 in #5
f115r #1-13	6 in #9 (3), #10 (2), #11	17 in #1 (2), #2 (7), #3 (2), #4, #7, #9 (2), #12, #13		1 in #9	6 in #4, #9 (2), #11 (2), #13	7 in #4, #5 (2), #9, #10, #11, #13	1 in #5
f115v #1-13	8 in #6, #8, #10, #11, #12 (4)	19 in #1 (2), #2, #3 (2), #5 (2), #6, #7, #9 (2), #10 (4), #11, #12, #13 (2)	3 in #1, #5, #11		3 in #6, #11, #12	2 in #5, #6	
f116r	24 in #1 (3), #4 (2), #6 (7), #7 (11), #8	1 in #4			12 in #4, #6 (2), #7 (9)	14 in #1, #2, #4 (2), #5 (3), #6 (3), #7 (2), #8 (2)	

Table 31.10: Ebb and Flow of Presumed Sensory Hierarchy and Processing Differentiators across Section 5 Folios

Paragraph #	oa	oi	oe$^{1-4}$o	eka	eta	c + e^{1-4} + [fptk] Endings	eky	ety
f103r #1-18	3 in #3 (3)	2 in #3, #10	2 in #8, #12	4 in #1, #4 (3)		4 in #1 (2), #2, #14	2 in #2, #5	3 in #3, #10 (2)
f103v #1-14	3 in #2, #13 (2)	7 in #2 (2), #3, #5, #6, #8, #13	1 in #2		2 in #11, #14		1 in #2	2 in #8, #12
f104r #1-13	6 in #1, #4, #6, #11, #12 (2)	3 in #10, #12, #13		1 in #6				
f104v #1-13	1 in #2	4 in #1, #7, #11, #12	3 in #1, #3, #9	2 in #1, #6	3 in #4 (2), #10		3 in #3 (2), #4	
f105r #1-10, Paragraph Label	3 in #3 (2), #4	5 in #Paragraph Label, #1, #3, #4, #8	3 in #2, #3, #5	1 in #5			1 in #9	
f105v #1-10	7 in #1, #8, #9, #10 (4)	2 in #1, #3	2 in #8, #10	1 in #1	1 in #9			
f106r #1-15	4 in #4, #6, #14, #15	2 in #2, #6		2 in #10, #15			1 in #1	
f106v #1-15	8 in #1, #2, #9, #11, #13, #14, #15 (2)	2 in #10, #15	1 in #9	2 in #2, #15	1 in #1		2 in #11, #15	
f107r #1-15	5 in #6 (2), #10, #12, #15	4 in #3, #4, #12, #14		6 in #3, #9, #10, #12, #15 (2)	1 in #4	3 in #11, #15 (2)	4 in #4 (2), #8, #10	1 in #15

f107v #1-15	4 in #10 (2), #12, #15			4 in #1, #4, #5, #10			3 in #1, #4 (2)	
f108r #1-14	2 in #8 (2)	2 in #3, #4	1 in #13	2 in #2, #3	2 in #3, #6		2 in #1 (2)	1 in #1
f108v #1-8 Paragraph Label	2 in #5, #8					1 in #5	2 in #5, #8	1 in #2
f111r #1-6	4 in #2 (3), #4	4 in #1, #2 (2), #3	1 in #2	7 in #2 (6), #5	4 in #1, #2 (3)	2 in #1, #2	2 in #1, #2	
f111v #1-10	4 in #1, #6, #7, #8	2 in #1, #10		9 in #1, #4, #5, #6, #7, #8, #9, #10 (2)	5 in #1 (2), #2, #4, #7		1 in #8	
f112r #1-11	7 in #1 (2), #2, #3, #4, #5, #11	4 in #5, #6, #7 (2)		1 in #11			1 in #4	2 in #5, #6
f112v #1-13	6 in #1 (3), #2, #12, #13	4 in #5, #6, #8, #11	3 in #1 (2), #13	5 in #2 (2), #5, #8, #10	2 in #5, #13		3 in #2, #11, #13	
f113r #1-16	17 in #1, #2 (2), #3, #4 (5), #6, #8, #9, #10, #11, #16 (3)	2 in #5, #7	2 in #4, #6	6 in #2, #6, #8, #11, #12, #16	2 in #1, #16		4 in #3, #11 (2), #15	1 in #4
f113v #1-15	3 in #1, #7, #9	2 in #12, #13		1 in #13		2 in #7, #9	3 in #5, #7, #10	
f114r #1-13, Paragraph Label	7 in #3, #5, #8, #9 (2), #11, #13	5 in #1, #4, #5, #12, #13	3 in #1, #5, #12	1 in #11			1 in #9	1 in #8
f114v #1-12	7 in #4, #5 (2), #10, #11 (2), #12	1 in #4	5 in #3, #4, #5, #10, #12		2 in #9, #10	1 in #4	1 in #6	
f115r #1-13	4 in #6, #7, #8, #9	1 in #1	3 in #5, #9, #13	2 in #4, #13	2 in #5, #8	1 in #13	1 in #9	1 in #9
f115v #1-13	1 in #13	7 in #1 (3), #2, #6, #7, #12	1 in #2	3 in #8, #12 (2)	1 in #8	1 in #7	2 in #1, #11	1 in #10
f116r	2 in #1, #4	5 in #2 (2), #6, #7 (2)		4 in #7 (4)	4 in #4, #5, #6, #7	2 in #7 (2)	5 in #2, #6, #7 (2), #8	1 in #4

Table 31.11: Ebb and Flow of Primary Connectives and Initiators across Section 5 Folios

Paragraph #	lc-initial	l[fptk] Prefixes	l[drs] Prefixes & ll	Consonant Clusters	c | cs + e^{l-a}[dlrsmg]	[dlrsmg]e^{a-l}y
f103r #1-18	9 in #6, #7, #12, #13, #16 (2), #17 (2), #18	12 in #1, #2, #3 (3), #6 (2), #9 (3), #16, #18	2 in #6, #17	2 in #6, #17	2 in #13, #17	1 in #18
f103v #1-14	23 in #2 (2), #5 (3), #6 (2), #8 (2), #9, #10, #11 (3), #12, #13 (6), #14 (2)	10 in #1, #3, #6 (2), #9 (2), #11, #14 (3)	2 in #3, #4	1 in #4	3 in #3, #11, #13	2 in #1, #2
f104r #1-13	3 in #6, #9, #12	14 in #2 (3), #3, #4, #7 (2), #9 (6), #12	2 in #7, #13	3 in #7, #8 (2)	6 in #1, #2, #6, #7 (3)	1 in #12
f104v #1-13	12 in #2, #3 (2), #4, #6, #7, #9 (3), #10 (2), #13	8 in #4, #5, #9 (2), #10, #12 (2), #13	3 in #3, #7, #8	3 in #1, #3, #4	5 in #1, #3, #4, #8, #13	1 in #1
f105r #1-10, Paragraph Label	2 in #2, #9	8 in #4 (2), #5 (2), #9 (4)	**ll:** 1 in #4	1 in #4	2 in #7, #9	3 in #3, #5, #8
f105v #1-10	3 in #2, #3, #10	12 in #2, #3 (2), #4 (2), #5, #6, #7, #8, #10 (3)	1 in #4	7 in #3, #4 (2), #7, #8 (2), #10	6 in #1, #4, #7, #8, #10 (2)	2 in #8, #9
f106r #1-15	13 in #1, #2 (3), #3, #4 (3), #6, #9, #10, #12, #14	19 in #1, #2, #4, #6, #7 (3), #9 (3), #10 (3), #12 (4), #14, #15			3 in #1, #10, #15	
f106v #1-15	4 in #1, #4, #7, #9	4 in #4, #7 (2), #15			3 in #1, #4, #8	5 in #2 (2), #5, #10, #15
f107r #1-15	5 in #3, #4, #7, #10, #11	22 in #2 (2), #3, #7 (2), #8 (2), #9 (2), #10, #11 (5), #12, #15 (6)	**ll:** 1 in #7	2 in #10, #15	3 in #9 (2), #11	1 in #6
f107v #1-15	5 in #4, #8, #10, #11, #13	30 in #1 (3), #2, #3 (2), #4, #5 (3), #7, #8, #9 (6), #10, #11 (2), #12 (2), #13 (3), #14 (2), #15 (2)		1 in #5		2 in #2, #15
f108r #1-14	6 in #13, #14 (5)	16 in #1, #2, #3, #6 (2), #7, #8 (2), #10, #11, #12 (2), #14 (4)			5 in #1, #2, #4, #10, #14	1 in #1
f108v #1-8 Paragraph Label	17 in #Paragraph Label, #2 (2), #4 (2), #5, #7, #8 (10)	26 in #1 (6), #2 (4), #4 (3), #5 (5), #6, #7, #8 (6)	3 in #4, #5 (2) **ll:** 2 in #5, #8	2 in #5, #8	7 in #2 (3), #7 (3), #8	
f111r #1-6	25 in #1 (3), #2 (17), #3 (3), #5 (2)	48 in #1 (2), #2 (21), #3 (10), #4 (9), #5 (5), #6	1 in #2	2 in #2 (2)	4 in #2 (3), #6	2 in #2 (2)
f111v #1-10	17 in #1 (7), #2, #6, #7 (2), #8 (4), #9 (2)	28 in #1 (7), #2 (4), #3 (2), #4 (2), #5, #7 (3), #8 (7), #9 (2)	4 in #1 (2), #3, #5 **ll:** 3 in #3, #4, #5	2 in #1, #5	3 in #1 (2), #3	1 in #8
f112r #1-11	3 in #4, #7, #8	4 in #5 (2), #6, #10			1 in #3	4 in #1, #2, #3, #4
f112v #1-13	1 in #12	6 in #1, #7, #10, #11 (3)			2 in #12, #13	1 in #11
f113r #1-16	10 in #5 (2), #7, #9, #10 (2), #11, #12, #15, #16	37 in #1, #2 (2), #3, #4, #5 (6), #6, #7, #8 (4), #9 (2), #10 (2), #11, #12, #13, #14 (3), #15 (4), #16 (6)	1 in #12	1 in #7	5 in #1 (2), #5, #14 (2)	1 in #7
f113v #1-15	8 in #2, #3, #5, #6, #7, #9, #11, #15	23 in #1 (2), #3, #4, #5 (2), #6 (4), #7, #8 (2), #9, #10, #11, #12, #13, #14, #15 (4)	3 in #12, #14, #15	2 in #7, #12	2 in #5, #6	2 in #13, #15
f114r #1-13, Paragraph Label	4 in #5, #6 (3)	4 in #1, #5, #9, #11	1 in #5		3 in #1, #5, #13	1 in #1
f114v #1-12	1 in #1	3 in #9, #10, #11	1 in #5	2 in #1, #12	2 in #2, #4	2 in #1, #8
f115r #1-13	7 in #2, #5 (2), #6, #9, #12, #13	12 in #5 (4), #6, #7, #9 (4), #11, #12	2 in #5, #7 **ll:** 1 in #8		7 in #2 (3), #5 (2), #7, #10	2 in #2, #10
f115v #1-13	14 in #1, #3, #4, #5, #6, #7 (2), #8 (2), #9, #10, #11 (2), #13	35 in #1 (2), #3 (3), #4, #5 (6), #6 (2), #7 (2), #8 (2), #9 (3), #10, #11 (2), #12 (6), #13 (5)	6 in #5 (3), #9, #11, #12 **ll:** 1 in #12	3 in #5 (2), #13	6 in #1, #2, #5, #9, #10, #12	1 in #7
f116r	20 in #1 (2), #2, #3 (2), #5, #6 (6), #7 (8)	15 in #2, #3, #6 (8), #7 (3), #8 (2)	3 in #3, #4, #6 **ll: 2 in #1, #7**	4 in #4, #6 (2), #7	9 in #1, #2, #4 (2), #6 (3), #7, #8	1 in #8

Table 31.12: Top 150 Rosette Line Correlations for Section 5 Paragraphs

#	Folio	Rosette Line	Section 5 Word Categories	Associated Rosette Line Figures	Score
1	f108v #8	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [tk]e4dy (tedy), [yo]dy endings (okeody), ce4a (cseeal, ceear), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]ai4n (okain, otaiin, qokain, qotaiin), o[fptk]e4dy (qotedy, qokedy, qokeedy, otedy, oteedy, okeedy), o[tk]e0-4y (okeey, oteey, qokeey, okey, ceoteey, ykeey), oce4y (oceey), okal variants (qokal), olo (olor), yodai0-4n (cseodain)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #5 (cekeedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, olor, otedy, qotedy)	0.26354
2	f111r #2	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceody, oteody, qokeody), ce4a (cear), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky), eka (cseekal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy), o[tk]e0-4y (oteey, okeey, okey, qokeey, qoky, otey, oty, qoteey, ykeey), oa (soaiin, oaiin), oce4y (oceey), oce4y + infixed versions (ockey), oe0-4s (ceeos), oi (oir), olai0-4n (olaiiin), ora (oraiin, orain), otar variants (otar), yodai0-4n (odaiin)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #13 (dkocey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, oiin, olaiiin, olkoaiiin, orar, otar, otedy, otosaiiin, oty, qotedy)	0.25555
3	f116r #6	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (arody), ce4a (ceear, cseeal), ek[yoa] (cseeky), o[fptk]ai4n (otain, okain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy, oteeedy), o[tk]e0-4y (oteey, otey, oty, okey, qokeey, qoky, qoty), oi (oiin), okal variants (qokal, okal, okalain, okaly), ola (olar), or[yoa] (ory), ora (orain), otar variants (otar, qotar)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #13 (dkocey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, oiin, okal, olaiiin, orar, otar, otedy, oty, qotedy)	0.24963
4	f111r #2	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol), [yo][fptk]e4od + y (qokeody), [yo]dy endings (oteody, ceody), c | cs + e0-4[dlrsmg] (cseed), ce4a (cear), ceckey relatives (ceckeey, ceckey), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky), eka (cseekal), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, okeedy), o[lr]a (oraiin, orain), o[tk]e0-4y (oteey, otey, oty, qokeey, qoky, qoteey, ykeey, okeey, okey), oe0-4s (ceeos), okar variants (okar), ola (olaiiin), om + o[fptk | dlrsmg]am (om, otam), otar variants (otar), so (soaiin), yodai0-4n (odaiin)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey, qokeody), f69r Labeled Interior Bar #5 (okey, sol), Rosette #4-5 Bridge #1 (okar), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, odaiiin, oekaiiin, osain, otar, otedy, yky), Rosette #5-6 Bridge #1 (cseed)	0.24550
5	f116r #6	5	[ao][lr][ao][lr] Pipe/Flow (olar), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]e0-4y (keey), aro[dlrsmg] (arody), ce4a (cseeal, ceear), ceckey relatives (ceckey), do (dol), ek[yoa] (cseeky), o[fptk]c + e0-4 + y | dy | o[dlrs]y (ytceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, okeedy), o[lr][yoa] (ory), o[lr]a (orain), o[tk]e0-4y (oteey, otey, oty, qokeey, qoky, qoty, okey), okal variants (okal, okalain, okaly, qokal), okar variants (okar), om + o[fptk | dlrsmg]am (qotam), otar variants (qotar, otar)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (keey, qokal), f69r Labeled Interior Bar #5 (okey), f69r Labeled Interior Bar #7 (doceeeo), Rosette #4-5 Bridge #1 (okar), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #2 (okalar), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (oekaiiin, okal, otar, otedy, sarol, yky)	0.24298
6	f111r #2	3	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol, ceeos), [yo][fptk]e4o (okeeo), [yo]dy endings (ceody, oteody, qokeody), c | c[fptk] + e4o (ceo), ce4a (cear), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky), eka (cseekal), o[fptk | dlrsmg][ao]m (otam), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[lr]a (olaiiin), o[tk]e0-4y (oteey, qoteey, otey, oty, qokeey, okeey, okey, qoky, ykeey), o[tk]e4s (otes), oa (soaiin, oaiin), oce4y + infixed versions (oceey), ocke4y (ockey), okar variants (okar), olcey relative (olceedy), om (om), orai0-4n (oraiin, orain), otar variants (otar)	f67v2 East-Oriented Text (dcseog, oafoaly, oky), f68r3 Star Quadrant #2 (ockey), f68r3 Star Quadrant #3 (ceo, qoteey), f69r Labeled Interior Bar #1 (okeeo), f69r Labeled Interior Bar #22 (dary), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, okar, okcsey, okody, okom, otar, otody, qotcedy), Rosette #3 Outer Ring Sentence #2 (cseekal, okees, olceedy)	0.24237
7	f112r #1	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [fptk]e0-4y (keey), [yo]dy endings (ody, dody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[tk]e0-4y (oteey, qokeey, oty, okeeey, okeey), oa (oar), okod variants (okody), olai0-4n (olaiin), otar variants (otair, otar), otod variants (otody), x (xar), yodai0-4n (qodain)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol, qokcey), f68v3 Sides #3 (okeey), f68v3 Stars #3 (keey), f69r Labeled Interior Bar #5 (tam), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, odaiiin, ody, okody, otar, xdor, yky)	0.24009
8	f112r #1	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (dody, ody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otaiin, otain), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[tk]e0-4y (oteey, qokeey, oty, okeeey, okeey), oa (oar), okod variants (okody), olai0-4n (olaiin), otar variants (otair, otar), otod variants (otody), x (xar), yodai0-4n (qodain)	f68r3 Star Quadrant #7 (qokeey), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #11 (okody), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, oar, olaiiin, otar, otodeedy, oty, qotedy), Rosette #7-8 Bridge Interior #2 (ddsscsex)	0.23993
9	f108v #8	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (okeody), ce4a (ceear, cseeal), ceckey relatives (ceckeey, ceeckey), cedai4[lrsm | n] (ceedaiin, ceedar), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[dlrs]ce4y Superset (olceey), o[fptk]ai4n (otaiin, qokain, qotaiin, okain), o[fptk]e4dy (okeedy, qotedy, qokedy, qokeedy, otedy, oteedy), o[tk]e0-4y (oteey, okey, qokeey, ykeey, okeey, ceoteey), oce4y (oceey), okal variants (qokal), ol[yoa] (olor), otal variants (otal), otam variants (otam), yodai0-4n (cseodain)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68v2 Star Divider #8 (ceoteey), f69r Labeled Interior Bar #14 (ceotal), f85r2 Quadrant 4 (olceey, qokal), f86v3 Jet Figure #4 (cealkar, ceeckey, ceedaiin, cseodain, cseykeeeocey, otam, otey, qokain, qokedy, qokeey, ykeey, yteeody), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #6 (olal), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (lsaiin, okeedy, oteedy)	0.22916
10	f108v #8	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo]dy endings (okeody), ce4a (cseeal, ceear), ceckey relatives (ceeckey, ceckeey), cedai4[lrsm | n] (ceedaiin, ceedar), dcedy relatives (dcseedy), o[dlrs]ce4y Superset (olceey), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okain, qokain), o[fptk]e4dy (qotedy, okeedy, otedy, oteedy, qokedy, qokeedy), o[lr]o (olor), o[tk]e0-4y (okeey, okey, qokeey, otey, ykeey, ceoteey), oce4y + infixed versions (oceey), okal variants (qokal), otai0-4n (qotaiin, otaiin), otal variants (otal), yodai0-4n (cseodain)	f67v2 Diagram Exterior 2 (okeey), f68r3 Star Quadrant #4 Star #2 (ceockey), f85r2 Quadrant 2 (ceckeey), f86v3 Jet Figure #2 (ceeeor, dcseedy, otaiin, otey, qokeey, qotaiin, ytaiin), Rosette #4 Compartment #1 (cseodaiiin, okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (opam, opceody, orcsey, oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceckey, oror, otal, otedy), Rosette #4-5 Bridge #2 (cseeal)	0.22647
11	f108v #8	5	[ao][lr][ao][lr] Pipe/Flow (olor), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (okeody), ce4a (cseeal, ceear), ceckey relatives (ceeckey, ceckeey), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]e4dy (okeedy, otedy, oteedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (ykeey, qokeey, oteey, okey, okeey, ceoteey), okal variants (qokal), om + o[fptk | dlrsmg]am (otam), yodai0-4n (cseodain)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (qokal), f69r Labeled Interior Bar #5 (okey, tam), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, odaiiin, otedy, sarol, yky)	0.22610
12	f108v #8	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [fptk]ai4[dlrsmg | n] (kar), [tk]e4dy (tedy), [yo][fptk]e4od + y (okeody), cedai4[lrsm | n] (ceedaiin, ceedar), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[fptk]ai4n (okain, otaiin, qokain, qotaiin), o[fptk]e4dy (qotedy, qokedy, qokeedy, otedy, oteedy, okeedy), o[tk]e0-4y (okeey, okey, oteey, ceoteey, qokeey, ykeey), oce4y + infixed versions (oceey), okal variants (qokal), ol[yoa] (olor)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (ceocpey), f68v2 Star Divider #8 (ceoteey), f68v3 Stars #1 (cedail, okeody), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (cseeekedy, kaiir, lar, okain, oly, otedy, ykal, yky), Rosette #1 Quadrant #4 (okedy)	0.22483
13	f111v #1	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]c-Initial (kcey), [yo][fptk]e4d (oteed), [yo][fptk]e4o (okeeo), c | cs + e0-4[dlrsmg] (cseed), ce4a (cseal, ceear), ceckey relatives (ceeckey, ceckeey, ceckey), cedai4[lrsm | n] (ceedar), l[drs] Prefixes (ls, ldy), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (otain, okaiin, okain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, okedy, qotedy), o[tk]e0-4y (okeeey, okeey, qokeey), oa (oaiin), okal variants (qokal), okc + e4or (okceor), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo, okeo), f85r2 Quadrant 4 (ceckey, qokal), f86v3 Jet Figure #4 (cealkar, ceeckey, ceckey, okceor, otceey, qokaiin, qokain, qokedy, qokeey, tceeod), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (cseees, lsaiin, oas, okaiin, okedy, otar, oteed, oteedy)	0.22108
14	f116r #6	1	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (arody), do (dol), ek[yoa] (cseeky), o[fptk]ai4n (okain, otain, qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (ytceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, oteeedy, okeedy), o[lr]a (olar), o[tk]e0-4y (qokeey, qoky, qoty, okey, oteey, otey, oty), okal variants (okal, okalain, okaly, qokal), okar variants (okar), ora (orain), ory (ory)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (dol), f68v2 Star Divider #1 (otey), f68v3 Stars #1 (sceekol), Rosette #1 Outer Ring (ary, ody, okain, okair, okal, okcegy, oral, otedy, ykal, yky), Rosette #1 Quadrant #10 (okory), Rosette #1 Quadrant #4 (okedy)	0.21890
15	f112r #2	4	[tk]c-Initial (tceedy), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, qokedy, okeedy), o[tk]e0-4y (okeey, qokeey, qoteey, oteey, otey), otai0-4n (otaiin)	f67v2 Diagram Exterior 2 (okeey), f85r2 Quadrant 2 (otceedy, tceedy), f86v3 Jet Figure #2 (otaiin, oteey, qokeey, qoteey), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #8 (ceeyky)	0.21769
16	f112r #1	8	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), dody (dody), o[fptk][ao]d (okody), o[fptk]ai4n (otaiin, otain), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), oa (oar), olai0-4n (olaiin), otal variants (otal), otar variants (otar, otair), otod variants (otody), x (xar), yodai0-4n (qodain)	f67v2 Diagram Exterior 4 (ceol, dam, oar), f67v2 Protrusion #1 (okeeey), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f85r2 Quadrant 4 (dody, olaiin, qodain), f86v3 Jet Figure #4 (aceeody, keeey, oteey, qokeey, qotceedy), Rosette #7-8 Bridge Interior #2 (ddsscsex), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (otar, oteedy, otodr)	0.21629
17	f108r #10	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, qokedy, qokeedy, qotedy, otedy), okal variants (qokal), okar variants (okar), otal variants (otal)	f86v3 Jet Figure #2 (ceeeor, ytaiin), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Outer Ring (ceckey, otal, otedy)	0.21622
18	f111r #2	1	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol), [yo][fptk]e4o (okeeo), [yo][fptk]e4od + y (oteody), [yo]dy endings (qokeody, ceody), c | cs + e0-4[dlrsmg] (cseed), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky, cseekal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy), o[lr]a (olaiiin), o[tk]e0-4y (okeey, okey, oteey, otey, oty, qokeey, qoky, qoteey, ykeey), oc[fptk]e4y (ockey), oce4y + infixed versions (oceey), oe0-4s (ceeos), okar variants (okar), ora (oraiin, orain)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (ceocpey), f68v2 Star Divider #1 (otey), f68v2 Star Divider #8 (dary), f68v3 Sides #1 (ceody), f68v3 Stars #1 (cedail, sceekol), f69r Labeled Interior Bar #16 (oteody), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (ceedces, ody, okain, okair, okcedy, okcegy, okeo, oral, os, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.21571

19	f111r #2	8	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4d (oteed), [yo][fptk]e4o (okeeo), [yo][fptk]e4od + y (oteody, qokeody), [yo]dy endings (ceody), c | cs + e0-4[dlrsmg] (cseed), ce4a (cear), ceckey relatives (ceckeey, ceckey), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky), eka (cseekal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotcedy), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (qokedy, qokeedy, oteedy, okeedy, otedy), o[tk]e0-4y (oteey, qokeey, okeey, okey, qoteey, qoky, otey, oty, ykeey), o[tk]e4s (otes), oa (oaiin, soaiin), oc[s | fptk]e4y (ockey), oce4y (oceey), oe0-4s (ceeos), oi (oir), ola (olaiiin), olcey relative (olceedy), om (om), ora (oraiin), orai0-4n (orain), otam variants (otam), otar variants (otar), yodai0-4n (odaiin)	f67v2 Diagram Center #1 (soaiin), f67v2 Diagram Exterior 4 (ceol, dam), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68v2 Star Divider #1 (otey), f68v2 Star Divider #8 (dary), f68v2 Stars #8 (ypcey), f68v3 Sides #1 (ceody), f69r Labeled Interior Bar #15 (cseo, okeo), f85r2 Quadrant 4 (ceckey, okees, olceey, orain, qokeody), f86v3 Jet Figure #4 (cealkar, ceeckey, ceeos, cseykeeeocey, ocseeey, otam, oteey, qokain, qokedy, qokeey, qotceedy, ykeey, yteeody), Rosette #7-8 Bridge #1 (soiiin), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #3 (ydekam), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (cseees, oas, okeedy, olkeeodaiin, om, otar, oteed, oteedy), Rosette #8 Smokestack (orarol)	0.21145
20	f108r #10	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), o[fptk]e4dy (qokedy, qokeedy, qotedy, okedy, otedy), okal variants (qokal), okar variants (okar)	f68r3 Star Quadrant #5 (dcseol), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Outer Ring (otedy)	0.21034
21	f107v #4	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (qokaiin, qokain, okaiin, okain), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal), okar variants (qokar), otai0-4n (qotaiin, otain), otal variants (otal), otol variants (otol), yodai0-4r (odar)	f67v2 Diagram Exterior 2 (okeey), f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qokar, qotaiin), f86v3 Jet Figure #2 (ceeeor, qokaiin, qokeey, ytaiin), Rosette #4 Compartment #4 (opam, opceody), Rosette #4 Compartment #5 (otol), Rosette #4 Compartment #7 (opcedy, qokal), Rosette #4 Outer Ring (odar, otal)	0.20451
22	f108r #10	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal), otal variants (otal)	f69r Labeled Interior Bar #14 (ceotal), f85r2 Quadrant 4 (ceckey, qokal), f86v3 Jet Figure #4 (qokedy), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (cseol, okedy, oteedy)	0.20432
23	f116r #6	9	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [yo]dy endings (arody), ce4a (ceear, cseeal), o[fptk]ai4n (okain, otain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (otedy, oteedy, oteeedy, okeedy, qokedy, qokeedy), o[lr]a (orain), o[lr]y (ory), oi (oiin), okal variants (okal, okalain, okaly, qokal), okar variants (okar), ola (olar), om + o[fptk | dlrsmg]am (qotam)	Rosette #9 Canister #4 (ary), Rosette #9 Center #17 (otedy), Rosette #9 Center #19 (sody), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (cseax, oir, okal, otcsee, oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, olar, oly, om)	0.20399
24	f107v #4	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), lc-initial (lceeol), o[fptk]ai4n (okaiin, okain, qokaiin, qokain, otain, qotaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcedy), o[tk]e0-4y (okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), otal variants (otal), otam variants (otam), yodai0-4r (odar)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f85r2 Hand-Raisers 4 (lceeol), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (aceeody, otam, qokaiin, qokain, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (odar, okaiin, okal, okor)	0.20340
25	f111v #1	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]e4dy (tedy), [yo][fptk]e4o (okeeo), c | cs + e0-4[dlrsmg] (cseed), cedai4[lrsm | n] (ceedar), g (g), l[drs] Prefixes (ldy, ls), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceey), o[fptk]e4dy (otedy, oteedy, okedy, qotedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, okeey, okeeey), okal variants (qokal), okar variants (okar)	f67v2 North-Oriented Text (dceeeor), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (ceedces, cseeekedy, lar, ldy, okain, okair, okcegy, okeo, otedy, ykal, yky), Rosette #1 Quadrant #4 (okedy)	0.20302
26	f116r #6	3	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (arody), ce4a (cseeal, ceear), do (dol), eky (cseeky), o[fptk | dlrsmg][ao]m (qotam), o[fptk]c + e0-4y (ytceey), o[lr]a (olar), o[tk]e0-4y (okey, qokeey, qoky, oteey, otey, oty, qoty), okal variants (qokal, okal, okalain, okaly), okar variants (okar), or[yoa] (ory), orai0-4n (orain), otal variants (otal), otar variants (otar, qotar)	f67v2 East-Oriented Text (dcseog, oky), f68v1 Exterior Stars #4 (otaly), f68v3 Stars #2 (cseeky, dom), f69r Labeled Interior Bar #2 (ary), Rosette #3 Diagram Interior #2 (okalain), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cseal, okar, okcsey, okom, otar, otody, qokal), Rosette #3 Outer Ring Sentence #2 (okal)	0.20280
27	f111r #2	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4o (okeeo), [yo][fptk]e4od + y (qokeody), [yo]dy endings (oteody, ceody), ce4a (cear), ceckey relatives (ceckeey, ceckey), cedai4[lrsm | n] (ceedar), eka (cseekal), eky (ceeky), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (qokain, okain), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, okeedy), o[tk]e0-4y (qokeey, qoteey, qoky, oty, ykeey, oteey, okeey, okey, otey), o[tk]e4s (otes), oa (soaiin, oaiin), oce4y + infixed versions (oceey), ocke4y (ockey), oe0-4s (ceeos), oi (oir), okar variants (okar), olai0-4n (olaiiin), om (om), or[yoa] (oraiin, orain), otar variants (otar), yodai0-4n (odaiin)	f67v2 Diagram Exterior 2 (okeey, osalal), f67v2 Protrusion #3 (cear), f68r3 Star Quadrant #2 (ockey), f68r3 Star Quadrant #4 Star #2 (ceockey), f68v3 Sides #3 (qokeody), f69r Labeled Interior Bar #4 (okeeo), f85r2 Quadrant 2 (ceckeey, qotcedy), f86v3 Jet Figure #2 (ceeeor, om, oteey, qokeey, qoky, qotceey, qoteey, ytaiin), Rosette #4 Compartment #1 (ceeky, okar, okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #4 (olaiiin, opam, opceody, oteedy), Rosette #4 Compartment #7 (opcedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceckey, ceekaiiin, odaiin, oiiin, okees, oror, otar, otedy)	0.20238
28	f111v #1	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]c-Initial (kcey), [tk]e4dy (tedy), ce4a (ceear, cseal), cedai4[lrsm | n] (ceedar), g (g), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, okedy, qotedy), o[tk]e0-4y (okeeey, okeey, qokeey), oa (oaiin), okal variants (qokal), otar variants (otar)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v2 Star Divider #7 (dceedal), f68v3 Sides #4 (dkeeeg), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #5 (cekeedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, olkoaiiin, otar, otedy, qotedy, tcseed)	0.20200
29	f112r #1	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), do (dody), o[fptk][ao]d (okody), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[tk]e0-4y (oteey, okeeey, okeey, qokeey, oty), oa (oar), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair), otod variants (otody), yodai0-4n (qodain)	f67v2 Diagram Exterior 2 (okeey), f67v2 Protrusion #3 (oar), f68v3 Sides #3 (ody), f86v3 Jet Figure #2 (ceeeor, otaiin, oteey, qokeey, qotaiin), Rosette #4 Compartment #1 (cseodaiiin, qokcey), Rosette #4 Compartment #3 (dor), Rosette #4 Compartment #4 (olaiiin, oteedy), Rosette #4 Compartment #7 (opcedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceedal, otal, otar, otodcees, otodeed)	0.19951
30	f116r #6	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), aro[dlrsmg] (arody), ce4a (ceear, cseeal), ceckey relatives (ceckey), do (dol), eky (cseeky), o[fptk | dlrsmg][ao]m (qotam), o[fptk]ai4n (qokaiin, qokain, okain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (otedy, oteedy, oteeedy, qokedy, qokeedy, okeedy), o[tk]e0-4y (okey, qokeey, qoky, oteey, otey, oty, qoty), oi (oiin), okal variants (qokal, okal, okalain, okaly), okar variants (okar), ola (olar), or[yoa] (orain), ory (ory), otai0-4n (otain), otal variants (otal), otar variants (otar, qotar)	f57v Diagram Center #2 (okaly), f68v3 Sides #3 (okal), f68v3 Stars #2 (cseeky), f85r2 Quadrant 2 (qotaiin), f86v3 Jet Figure #2 (ceeeor, oteey, qokaiin, qokeey, qoky, qoty, ytaiin), Rosette #4 Compartment #1 (okar, okeedy, ory), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #3 (dor), Rosette #4 Compartment #4 (olaiiin, opam, oteedy), Rosette #4 Compartment #6 (oparod), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (ceckey, oiiin, okalol, oror, otal, otar, otecseey, otedy), Rosette #4-5 Bridge #2 (cseeal)	0.19951
31	f108r #10	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal), okar variants (okar)	f67v2 North-Oriented Text (dceeeor), Rosette #1 Outer Ring (okain, okair, otedy, ykal), Rosette #1 Quadrant #4 (okedy)	0.19843
32	f116r #6	8	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]e0-4y (keey), aro[dlrsmg] (arody), ce4a (cseeal, ceear), ceckey relatives (ceckey), do (dol), ek[yoa] (cseeky), o[fptk]ai4n (okain, otain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy, oteeedy), o[tk]e0-4y (oteey, otey, oty, okey, qokeey, qoky, qoty), oi (oiin), okal variants (okal, okalain, qokal, okaly), ola (olar), or[yoa] (ory), orai0-4n (orain), otal variants (otal), otam variants (qotam), otar variants (qotar, otar)	f57v Hand-Raiser 4 (daly), f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68r3 Star Quadrant #8 Wand/Branch Head (doary), f68v2 Star Divider #1 (otey), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (qotam), f85r2 Quadrant 4 (ceckey, orain, qokal), f86v3 Jet Figure #4 (cealkar, keeey, oteey, qokaiin, qokain, qokedy, qokeey), Rosette #7-8 Bridge #1 (soiiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #3 (ydekam), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (okal, okalol, okeedy, otar, oteedy), Rosette #8 Smokestack (orarol)	0.19809
33	f111r #2	9	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [yo][fptk]e4od + y (oteody, qokeody), [yo]dy endings (ceody), ce4a (cear), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (qokain, okain), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal), okar variants (okar), ola (olaiiin), om (om), om + o[fptk | dlrsmg]am (otam), yodai0-4n (odaiin)	Rosette #9 Canister #4 (ary), Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #17 (otedy), Rosette #9 Center #19 (sody), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (cseax, oir, osoa, otcsee, oteeedy, otes, yqos), Rosette #9 Outer Ring Sentence #2 (odaiiin, okaiiin, okar, okcedy, okeody, olar, om)	0.19793
34	f108v #8	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [tk]e4dy (tedy), [yo]dy endings (okeody), a[dlrsmg]am (dalam), ce4a (cseeal, ceear), ceckey relatives (ceeckey, ceckeey), cedai4[lrsm | n] (ceedaiin, ceedar), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[fptk]ai4n (okain, qokain), o[fptk]e4dy (qotedy, qokedy, qokeedy, okeedy, otedy, oteedy), o[tk]e0-4y (oteey, okeey, okey, ceoteey, qokeey, ykeey), oce4y (oceey), okal variants (qokal), ol[yoa] (olor), olcey relative (olceey), om + o[fptk | dlrsmg]am (otam), otai0-4n (qotaiin, otaiin), yodai0-4n (cseodain)	f68r3 Star Quadrant #4 (okey), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (tedy), f86v3 Jet Figure #3 (ceear, lkam, otaiin, qokal, qotaiin), Rosette #6 Compartment #4 (opdaram), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #7 (oparom, otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (ceckey, odaiiin, olceedy), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge #2 (oteey)	0.19751
35	f112r #1	6	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (dody, ody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[fptk]ody (okody, otody), o[tk]e0-4y (oty, qokeey, oteey, okeeey, okeey), oa (oar), ol[yoa] (olaiin), otai0-4n (otaiin, otain), otar variants (otair, otar), x (xar), yodai0-4n (qodain)	f67v2 Diagram Exterior 3 (dam, toal), f68r3 Star Quadrant #5 (qokcey), f68r3 Star Quadrant #6 Star #3 (oty), f68v3 Stars #3 (keey), f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (qodain), f86v3 Jet Figure #3 (okeeey, otaiin, qotaiin), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #6 (otody), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (otar, xar), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge #2 (oteey)	0.19658
36	f108r #10	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), o[fptk]ai4n (okain), o[fptk]e4dy (qokedy, qokeedy, qotedy, okedy, otedy), okal variants (qokal), okar variants (okar)	f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (qokal, qotaiin), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (ceckey)	0.19634
37	f108r #14	5	[fptk]e0-4y (keey), cedai4[lrsm | n] (cedar), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, okedy, yteedy), o[tk]e0-4y (okeey, qokeey)	f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (keey), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (otedy, yky)	0.19440
38	f112r #2	7	[tk]c-Initial (tceedy), o[fptk]ai4n (otaiin), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, okeedy, qokedy), o[tk]e0-4y (qokeey, qoteey, okeey, oteey, otey)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (qotedy, tcseed)	0.19361
39	f108v #8	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [fptk]ai4[dlrsmg | n] (kar), [yo][fptk]e4od + y (okeody), [yo]ce4y + infixed versions (oceey), a[dlrsmg]am (dalam), cedai4[lrsm | n] (ceedaiin, ceedar), dcedy relatives (dcseedy), o[fptk]ai4n (okain, qokain), o[fptk]e4dy (qotedy, qokedy, qokeedy, otedy, oteedy, okeedy), o[tk]e0-4y (okeey, ceoteey, oteey, okey, qokeey, ykeey), okal variants (qokal), ol[yoa] (olor), om + o[fptk | dlrsmg]am (otam), otai0-4n (otaiin, qotaiin), sai4n (sain), yodai0-4n (cseodain)	f67v2 Diagram Center #2 (dalam), f67v2 Diagram Exterior 1 (om), f68r3 Star Quadrant #1 (okald), f68v3 Stars #1 (okeody), f85r2 Quadrant 1 (ceol, sain), f86v3 Jet Figure #1 (qokeedy, qotaiin, ycseeey, ytain), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (cedas, dcedy, okeedy, okodain, olar, oteoteedy, taiin), Rosette #2 Protrusion Exterior (ceedar, otedy)	0.19303

40	f107v #5	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), ceckey relatives (ceckey), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, otaiin, qokain), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin)	f67v2 Diagram Exterior 4 (ceol), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f85r2 Quadrant 4 (ceckey, olaiin, qokeody), f86v3 Jet Figure #4 (opaiin, qokain), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (lsaiin, okaiin, okal, oteedy)	0.19296
41	f108r #13	5	[ao][lr][ao][lr] Pipe/Flow (olal), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (okedy, okeedy, qotedy, otedy, oteedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, okeey, okey), okar variants (qokar, okar), om + o[fptk | dlrsmg]am (otam)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f69r Labeled Interior Bar #5 (okey), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, okair, otedy, sarol, yky)	0.19128
42	f111r #2	6	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol), [yo][fptk]e4o (okeeo), [yo]dy endings (ceody, oteody, qokeody), c | cs + e0-4[dlrsmg] (cseed), ce4a (cear), ceckey relatives (ceckeey, ceckey), cedai4[lrsm | n] (ceedar), ek[yoa] (cseekal), eky (ceeky), faceys relatives (ackey), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy), o[lr][yoa] (oraiin, orain), o[tk]e0-4y (okeey, okey, oteey, otey, oty, qokeey, qoky, qoteey, ykeey), o[tk]e4s (otes), oa (soaiin, oaiin), oce4y (oceey), oce4y + infixed versions (ockey), oe0-4s (ceeos), okar variants (okar), ol[yoa] (olaiiin), olcey relative (olceedy), om (om), om + o[fptk | dlrsmg]am (otam), otar variants (otar), yodai0-4n (odaiin)	f67v2 Diagram Exterior 3 (daly, dam, toal), f68r3 Star Quadrant #4 (okey), f68r3 Star Quadrant #6 Star #3 (oty), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (otees), f86v3 Jet Figure #3 (ceear, qotaiin, qoteey, yteeo), Rosette #5-6 Bridge #1 (cseed), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #7 (oparom, otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (ackey, ceckey, odaiiin, olceedy, otar), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge #1 (depceeky), Rosette #6-7 Bridge #2 (oteey), Rosette #6-7 Bridge Interior West (osy)	0.19086
43	f107v #4	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal), okar variants (qokar), otol variants (otol), yodai0-4r (odar)	f67v2 North-Oriented Text (dceeeor), f69r Labeled Interior Bar #16 (okeodar), Rosette #1 Outer Ring (ody, okain, okair, okal, okcedy, otol, ykal, yky)	0.18980
44	f111v #1	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4o (okeeo), ce4a (cseal, ceear), ceckey relatives (ceeckey, ceckeey, ceckey), cedai4[lrsm | n] (ceedar), g (g), kc-initial (kcey), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, qotedy, okedy), o[tk]e0-4y (okeeey, qokeey, okeey), oa (oaiin), okal variants (qokal), okar variants (okar), otai0-4n (otain, qotaiin), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (okeey), f69r Labeled Interior Bar #4 (okeeo), f85r2 Quadrant 2 (ceckeey, qotaiin), f86v3 Jet Figure #2 (ceeeor, otceey, qokaiin, qokeey, ytaiin), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #2 (kcey, qokedy), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceckey, otal, otar, otedy), Rosette #4-5 Bridge #2 (cseeal, g)	0.18940
45	f112r #1	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [fptk]e0-4y (keey), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), dody (dody), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[fptk]ody (otody), o[tk]e0-4y (oty, oteey, qokeey, okeeey, okeey), oa (oar), okod variants (okody), ola (olaiin), otai0-4n (otaiin, otain), otar variants (otair, otar), yodai0-4n (qodain)	f68v3 Inner Ring (keeey, otair), f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (otain, qokeedy, qotaiin), Rosette #1-2 Bridge #2 (ody), Rosette #2 Bottom Exterior Label (oedody), Rosette #2 Interior Ring (o*oar, yky), Rosette #2 Outer Ring (cedas, okcedy, okodain, olar, oteoteedy, taiin, ykody), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (ceedar, oty), Rosette #2 Top Exterior Label (okody)	0.18904
46	f108v #2	5	cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (okedy, okeedy, oteedy, qokedy, qokeedy), o[fptk]edal (otedal), o[tk]e0-4y (okeey, qokeey, otey, oty), okal variants (qokal, okal), okar variants (okar, qokar, okair), ol[tk] (ceolkain), om + o[fptk | dlrsmg]am (om)	f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (okair, okal, okedal, olky, yky)	0.18855
47	f103v #11	1	[yo]dy endings (ceeody), c | cs + e0-4[dlrsmg] (cseed), o[fptk]ai4n (okaiin, qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcseey, opceey), o[fptk]e4dy (otedy, okedy), o[tk]e0-4y (okeey, okey, otey, oty, qokeey, ykeey), oly (oly)	f68v2 Star Divider #1 (otey), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (csed, ody, okain, okcegy, oly, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.18748
48	f111v #1	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), c | cs + e0-4[dlrsmg] (cseed), ce4a (cseal, ceear), ceckey relatives (ceeckey, ceckeey, ceckey), cedai4[lrsm | n] (ceedar), g (g), kc-initial (kcey), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceey), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, okedy, qotedy), o[tk]e0-4y (okeeey, okeey, qokeey), okal variants (qokal), okar variants (okar), otar variants (otar)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #1 (okar), Rosette #4-5 Bridge #2 (cseeal, g), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (kceedy, otar, otedy, yky), Rosette #5-6 Bridge #1 (cseed)	0.18669
49	f116r #6	6	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]e0-4y (keey), aro[dlrsmg] (arody), ce4a (cseeal, ceear), ceckey relatives (ceckey), eky (cseeky), o[fptk]ai4n (okain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (otedy, oteedy, oteeedy, qokedy, qokeedy, okeedy), o[lr][yoa] (orain), o[lr]y (ory), o[tk]e0-4y (okey, qokeey, qoky, oteey, otey, oty, qoty), okal variants (qokal, okal, okalain, okaly), okar variants (okar), ol[yoa] (olar), om + o[fptk | dlrsmg]am (qotam), otai0-4n (otain), otar variants (otar, qotar)	f67v2 Diagram Exterior 3 (daly), f68r3 Star Quadrant #4 (okey), f68r3 Star Quadrant #6 Star #3 (oty), f68v3 Stars #3 (keey), f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (arody), f86v3 Jet Figure #3 (ceear, qokal, qotaiin, qotar, ytceey), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #7 (oparom, otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (ceckey, okal, otar), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge #1 (depceeky), Rosette #6-7 Bridge #2 (oteey)	0.18487
50	f112r #2	8	[tk]c-Initial (tceedy), o[fptk]ai4n (otaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceedy), o[fptk]e4dy (oteedy, okeedy, qokedy), o[tk]e0-4y (qokeey, qoteey, okeey, oteey, otey)	f67v2 Protrusion #1 (okeeey), f68v2 Star Divider #1 (otey), f68v2 Stars #8 (ypcey), f86v3 Jet Figure #4 (oteey, qokedy, qokeey, tceeod), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okeedy, oteedy)	0.18470
51	f111r #2	2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol), [yo][fptk]e4o (okeeo), [yo]ce4y + infixed versions (oceey, ockey), [yo]dy endings (oteody, qokeody, ceody), c | c[fptk] + e4o (ceo), cedai4[lrsm | n] (ceedar), eka (cseekal), eky (ceeky), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, okeedy), o[tk]e0-4y (okeey, okey, oteey, qokeey, qoteey, qoky, otey, oty, ykeey), o[tk]e4s (otes), oa (oaiin, soaiin), oe0-4s (ceeos), oi (oir), okar variants (okar), ola (olaiiin), om (om), om + o[fptk | dlrsmg]am (otam), ora (orain), orai0-4n (oraiin), otar variants (otar), rai4n (raiin), sai4n (sain), yodai0-4n (odaiin)	f67v2 Diagram Exterior 1 (oir, om), f68r3 Star Quadrant #3 (ceo, qoteey), f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol, oraiin, sain), f86v3 Jet Figure #1 (otey, qokeedy, raiin, ycseeey, ytain), Rosette #2 Bottom Exterior Label (oedody, okar), Rosette #2 Castle #3 Lighthouse-Like (daly), Rosette #2 Interior Ring (o*oar, oekairy, orar, yky), Rosette #2 Outer Ring (ceeky, oaiin, okcedy, okeedy, okees, okeo, okodain, olar, oteoteedy), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (ceedar, otedy, oty), Rosette #2 Protrusion Top (osal)	0.18432
52	f106r #15	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ce4a (cear), cedai4[lrsm | n] (cedal), o[fptk]ai4n (okain, otaiin, qokaiin, qokain), o[fptk]e4dy (qokeedy, otedy), o[tk]e0-4y (oty, qoteey, qoty, oky), okal variants (okal), ol[tk] (olkair), otar variants (otair, otar), yodai0-4n (cseodaiin)	f68r3 Star Quadrant #7 (otceal), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, olkoaiiin, otar, otedy, oty, qotedy)	0.18343
53	f108r #14	8	[fptk]e0-4y (keey), cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, okedy, otedy, oteedy, yteedy), o[tk]e0-4y (okeey, qokeey)	f67v2 Protrusion #1 (okeeey), f86v3 Jet Figure #4 (keeey, qokaiin, qokedy, qokeey, yteedy), Rosette #8 Outer Ring (cedar, okedy, oteedy)	0.18247
54	f112r #1	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [yo]dy endings (dody, ody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]ody (otody), o[lr]a (olaiin), o[tk]e0-4y (oty, qokeey, okeeey, okeey, oteey), oa (oar), okod variants (okody), otal variants (otal), otar variants (otar, otair)	f67v2 East-Oriented Text (dcseog, oafoaly, oky), f68v1 Exterior Stars #4 (otaly), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, kar, okcsey, okody, otar, otody, qotcedy)	0.18176
55	f107v #4	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), a[dlrsmg]am (dalam), cectey relatives (cectey), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal, qokal), okar variants (qokar), om + o[fptk | dlrsmg]am (otam), otai0-4n (qotaiin, otain), yodai0-4r (odar)	f67v2 Diagram Center #2 (dalam), f67v2 Diagram Exterior 1 (om), f68r3 Star Quadrant #1 (okald), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (cectey, ceeody, otain, qokaiin, qotaiin, ytain), Rosette #2 Interior Ring (odar, ykary, yky), Rosette #2 Outer Ring (okcedy), Rosette #2 Protrusion Bottom-Right (okor)	0.18168
56	f108r #2	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okceey), o[fptk]c + e0-4dy (qokceedy), o[fptk]e4dy (qokedy, qokeedy, okedy, otedy, qotedy), o[tk]e0-4y (oteey, okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), Rosette #4-5 Bridge #1 (okar), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (otedy, yky)	0.18134
57	f103r #8	4	ceckey relatives (ceckeey), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4y (qotcey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky), okal variants (qokal), opce0-4dy (opceedy)	f67v2 Diagram Exterior 2 (okeey), f85r2 Quadrant 2 (ceckeey), f86v3 Jet Figure #2 (oteey, qotcey, ytaiin), Rosette #4 Compartment #3 (oky), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky, opceedy), Rosette #4 Outer Ring (ceedal)	0.18122
58	f112r #9	8	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (qokaiin, okaiin), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey, qoky), okal variants (okal)	f67v2 Protrusion #1 (okeeey), f86v3 Jet Figure #4 (qokaiin, yteeody), Rosette #8 Outer Ring (okaiin, okal, okedy, okeedy, oteedy)	0.18077
59	f112v #1	7	[yo]pa (opal), ce4a (ceear), o[fptk]ai4n (okaiin, okain), o[fptk]e4dy (okedy, qokeedy), o[tk]e0-4y (qokeey, qoky, okeey, okey, oteey, oty), oa (oaiin, oar), okal variants (qokal), ora (oraiin), osa (osal)	f68r3 Star Quadrant #7 (otceal, qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (oar, okal, olkoaiiin, orar, otosaiiin, oty, qotedy)	0.17991
60	f106r #15	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (taiin), cedai4[lrsm | n] (cedal), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[fptk]ai4n (okain, qokaiin, qokain, otaiin), o[fptk]e4dy (otedy, qokeedy), o[tk]e0-4y (qoteey, qoty, oky, oty), okal variants (okal), ol[tk] (olkair)	f67v2 North-Oriented Text (dceeeor), f68v3 Stars #1 (cedail), f69r Labeled Interior Bar #18 (oky), Rosette #1 Outer Ring (kaiir, lar, okain, okal, olkcedy, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.17987
61	f116r #6	2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]e0-4y (keey), [yo]dy endings (arody), cectey relatives (cectey), do (dol), eky (cseeky), o[fptk]ai4n (okain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy, oteeedy), o[tk]e0-4y (oteey, otey, oty, okey, qokeey, qoky, qoty), oi (oiin), okal variants (okal, okalain, okaly, qokal), okar variants (okar), ola (olar), om + o[fptk | dlrsmg]am (qotam), or[yoa] (ory), ora (orain), otai0-4n (otain), otar variants (otar, qotar)	f67v2 Diagram Exterior 1 (oir, om), f67v2 Multi-Face Diagram #1 (otararain), f68r3 Star Quadrant #1 (dol, okald), f68v3 Inner Ring (keeey), f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ary, ceol), f86v3 Jet Figure #1 (cectey, otain, otey, qokaiin, qokeedy, ytain), Rosette #2 Bottom Exterior Label (oedody, okar), Rosette #2 Interior Ring (orar, yky), Rosette #2 Outer Ring (ceeky, okeedy, olar, oteoteedy), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (otedy, oty)	0.17975
62	f108r #8	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedal, cedar), o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (qotedy, qokedy, qokeedy, okedy), o[fptk]eda[lrsm | n] (okedam), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Outer Ring (cseor, okal, oteedaiiin, qotedy)	0.17959
63	f107r #12	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]ai4n (okaiin, qokaiin, qokain,	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo), f85r2	0.17941

			qotaiin), oe sans oy + oe4y, oe0-4s (oeedy), oi (oiin), okal variants (okal, qokal), ol[tk] (olkar), opce0-4dy (opceedy), ora (orar), otal variants (otal), otam variants (otam), otar variants (otair)	Quadrant 4 (qokal), f86v3 Jet Figure #4 (olkar, opceedy, otam, qokaiin, qokain), Rosette #7-8 Bridge #1 (soiiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #2 (yoe**ais), Rosette #8 Outer Ring (okaiin, okal, otar), Rosette #8 Smokestack (orarol)	
64	f113v #7	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin), oe0-4s (ceeos), okar variants (qokar, okar), ola (olal), otar variants (otar), rai4n (raiin)	f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (ceeody, qokaiin, raiin, ykaiin, ytain), Rosette #2 Bottom Exterior Label (okar), Rosette #2 Interior Ring (ykary), Rosette #2 Outer Ring (olar, taiin), Rosette #2 Protrusion Top (osal)	0.17816
65	f104r #11	4	[yo]dy endings (oteody), o[fptk]ai4n (qokaiin, okaiin), o[fptk]c + e0-4dy (qotcedy), okal variants (okal), okar variants (okar), opam variants (opam), or[yoa] (oraiin), otar variants (qotar)	f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qotcedy), f86v3 Jet Figure #2 (qokaiin, ytaiin), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #4 (opam, opceody), Rosette #4 Outer Ring (oror, otar)	0.17746
66	f106v #8	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), c | cs + e0-4[dlrsmg] (csed), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain, qotaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcey, okcsey), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (okeedy), okal variants (okal), okar variants (qokar), okol variants (qokol), ora (oraiin)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #8 (qokcedy, qokol), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (csed, okain, okair, okal, okcegy, oral), Rosette #1 Quadrant #4 (okedy)	0.17704
67	f111v #1	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]e4dy (tedy), [yo][fptk]e4o (okeeo), c | cs + e0-4[dlrsmg] (cseed), ce4a (ceear, cseal), ceckey relatives (ceeckey, ceckeey, ceckey), cedai4[lrsm | n] (ceedar), Consonant Clusters (ls), g (g), kc-initial (kcey), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceey), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, okedy, qotedy), o[tk]e0-4y (okeeey, qokeey, okeey), oa (oaiin), okal variants (qokal), okar variants (okar), otai0-4n (otain, qotaiin), otar variants (otar)	f67v2 Diagram Exterior 3 (toal), f68r3 Star Quadrant #6 Star #3 (dg), f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (tedy), f86v3 Jet Figure #3 (ceear, kcsed, lkam, okeeey, qokal, qotaiin, yteeo), Rosette #5-6 Bridge #1 (cseed), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (ceckey, otar, otegar), Rosette #6-7 Bridge #2 (oteey)	0.17631
68	f113v #7	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin), oe0-4s (ceeos), ola (olal), otal variants (otal), otar variants (otar)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #14 (ceotal), f86v3 Jet Figure #4 (aceeody, ceeos, qokaiin, ykaiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (okaiin, otar)	0.17447
69	f114v #12	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4od + y (qoteeody), [yo]dy endings (ceeody), aro[dlrsmg] (arody), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin, qokaiin), o[fptk]c + e0-4y (otceey, qotceey), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeey, oteey), okal variants (okal), okar variants (qokar), otai0-4n (qotaiin, otaiin, otain), otal variants (otal), otar variants (qotar), yodai0-4n (odaiin)	f67v2 Diagram Exterior 2 (okeey), f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qokar, qotaiin), f86v3 Jet Figure #2 (ceeeor, otaiin, otceey, oteey, qokaiin, qotceey, qoteeody, ytaiin), Rosette #4 Compartment #4 (opam, opceody), Rosette #4 Compartment #6 (oparod), Rosette #4 Outer Ring (odaiin, okedaiin, otal, otar)	0.17417
70	f106v #15	7	cedai4[lrsm | n] (ceedar), o[fptk]ai4n (otaiin, qokaiin, okain), o[fptk]e4dy (qokeedy, otedy, oteedy), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeeey, okeey, oky, ceeyky, oteey, oty), okal variants (okal), otar variants (ytar), yodai0-4n (odaiin)	f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (okal, otar, otedy, oteedaiiin, oty, qotedy)	0.17201
71	f112r #9	1	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (qokaiin, okaiin), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey, qoky), okal variants (okal)	f68v3 Stars #1 (okeody), Rosette #1 Outer Ring (okain, okal, yky), Rosette #1 Quadrant #4 (okedy)	0.17178
72	f107v #4	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal), yodai0-4r (odar)	f68r3 Star Quadrant #7 (qokeey), f68v2 Star Divider #6 (odair), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Outer Ring (cseor, okal)	0.17152
73	f104r #11	6	[yo]dy endings (oteody), [yo]pa (opam), o[fptk]ai4n (qokaiin, okaiin), o[fptk]c + e0-4dy (qotcedy), o[lr][yoa] (oraiin), okal variants (okal), okar variants (okar), otar variants (qotar)	f86v3 Jet Figure #3 (qotaiin, qotar), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #7 (oparom), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (okal), Rosette #6 Picatrix-Like Attachment (oteoly)	0.17098
74	f107v #1	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]c + e4dy (oceedy), [yo]dy endings (ceody), eky (ceeky), kc-initial (kcey), o[fptk]ai4n (qokaiin, qokain), o[fptk]e4dy (otedy, qokedy), oe0-4s (oteos), okar variants (qokar), ol[tk] (olkair), otai0-4n (otaiin), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (osalal), f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, oceedy, otaiin, qokaiin, ytaiin), Rosette #4 Compartment #1 (ceeky), Rosette #4 Compartment #2 (kcey, qokedy), Rosette #4 Compartment #4 (opceody), Rosette #4 Outer Ring (olkar, otal, otar, otedy)	0.17085
75	f108r #2	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4dy (qokceedy), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (okedy, qokedy, qokeedy, otedy, qotedy), o[tk]e0-4y (oteey, qokeey, okeey), okar variants (okar), otol variants (otol)	f67v2 Diagram Exterior 2 (okeey), f67v2 Protrusion #3 (cear), f86v3 Jet Figure #2 (ceeeor, oteey, qokeey), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #5 (otol), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (cecedam, otecseey, otedy)	0.17070
76	f108r #14	4	cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, okedy, otedy, oteedy, yteedy), o[tk]e0-4y (okeey, qokeey)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (qokaiin, qokeey), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Outer Ring (cecedam, otedy)	0.17062
77	f112r #2	2	[tk]c-Initial (tceedy), cectey relatives (cectey), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, okeedy, qokedy), o[tk]e0-4y (qokeey, qoteey, okeey, oteey, otey), otai0-4n (otaiin), qo variants (qo)	f68r3 Star Quadrant #3 (qoteey), f68v3 Sides #2 (qo), f86v3 Jet Figure #1 (cectey, otey, qotaiin, tceedy), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (okcedy, okeedy, oteoteedy)	0.17053
78	f108r #13	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otain), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, okedy, okeedy, qotedy), o[tk]e0-4y (okeey, okey, qokeey), ola (olal)	f68r3 Star Quadrant #7 (qokeey), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), f69r Labeled Interior Bar #13 (dkocey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, olaiiin, otedy, qotedy)	0.16995
79	f103v #11	7	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin, qokaiin, qokain), o[fptk]c + e0-4y (qokcseey, opceey), o[fptk]e4dy (otedy, okedy), o[tk]e0-4y (okeey, okey, otey, oty, qokeey, ykeey), ol[yoa] (oly)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (olaiiin, otedy, oty, qotedy)	0.16977
80	f108r #5	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), ceckey relatives (ceckey), o[fptk]ai4n (okain, qokaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opceedy), o[fptk]c + e0-4dy (okceedy), o[tk]e0-4y (qokeey), oe sans oy + oe4y, oe0-4s (qoeedy), ofal variants (ofal), okal variants (qokal), ol[tk] (olkaiin), orai0-4n (orain)	f67v2 Diagram Exterior 4 (ofal), f68v2 Stars #8 (ypcey), f85r2 Quadrant 4 (ceckey, orain, qokal), f86v3 Jet Figure #4 (cseor, okceedy, qokaiin, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #2 (yoe**ais), Rosette #8 Outer Ring (cseol, olkeeodaiin)	0.16975
81	f112r #8	2	a[dlrsmg]am (aram), a[lr]an (araiin), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (otedy, okeedy, qotedy), o[tk]e0-4y (okeey, qoky), okar variants (qokar), ola (olaiin), sai4n (sain)	f68r3 Star Quadrant #8 (qokcedy), f85r2 Quadrant 1 (sain), f86v3 Jet Figure #1 (araiin), Rosette #2 Interior Ring (aram, ykary, yky), Rosette #2 Outer Ring (okeedy, olar, oteoteedy), Rosette #2 Protrusion Exterior (otedy)	0.16963
82	f106v #8	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain, qotaiin), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey, okcsey), o[fptk]e4dy (okeedy), od[fptk | dlrsmg] (odl), okal variants (okal), ora (oraiin)	f68r3 Star Quadrant #7 (otceal), f68v2 Star Divider #7 (dceedal), Rosette #6-7 Bridge Interior East (odl), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Outer Ring (cseor, okal, orar, qotedy)	0.16932
83	f113v #7	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin), oe0-4s (ceeos), okar variants (qokar, okar), ola (olal), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (osalal), f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, qokaiin, ykaiin, ytaiin), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #4 (olaiiin, opceody), Rosette #4 Outer Ring (otal, otar)	0.16895
84	f108r #8	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedal, cedar), o[fptk]ai4n (okaiin, otaiin), o[fptk]e4dy (okedy, qotedy, qokedy, qokeedy), o[fptk]eda[lrsm | n] (okedam), o[tk]e0-4y (qokeey, okeey), okal variants (qokal, okal), opce0-4dy (opceedy)	f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (cealkar, opceedy, qokedy, qokeey), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (cedar, okaiin, okal, okedy, otdar, oteedy)	0.16877
85	f107v #5	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp]ai0-4[rn] (opaiin), [yo]dy endings (qokeody), ceckey relatives (ceckey), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, qokain), o[fptk]e4dy (otedy), okal variants (okal), okar variants (qokar), ol[yoa] (olaiin), otai0-4n (otaiin)	f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (lkam, otaiin, qotaiin), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #7 (oparom, otedy), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (ceckey, okal), Rosette #6 Picatrix-Like Attachment (oteoly)	0.16873
86	f106v #8	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), c | cs + e0-4[dlrsmg] (csed), ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain, qotaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[fptk]c + e0-4y (qokcey, okcsey), o[fptk]e4dy (okeedy), o-axis of [yo][fptk][ao][lr] (qokol), od[fptk | dlrsmg] (odl), okal variants (okal), ora (oraiin)	f67v2 Diagram Exterior 4 (ceol), f68v2 Stars #8 (ypcey), f86v3 Jet Figure #4 (cealkar, cseor, qokaiin, qokain), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (cseees, okal, okeedy, okor, otodr), Rosette #8 Smokestack (orarol)	0.16833
87	f107v #5	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp]ai0-4[rn] (opaiin), [yo]dy endings (qokeody), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, otaiin, qokain), o[fptk]e4dy (otedy), o[lr]a (olaiin), okal variants (okal), okar variants (qokar)	f67v2 North-Oriented Text (dceeeor), Rosette #1 Outer Ring (lar, ody, okain, okair, okal, oral, otedy), Rosette #1 Quadrant #5 (ofary)	0.16826
88	f108r #13	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y + infixed versions (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk | dlrsmg][ao]m (otam), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, qotedy, okedy, okeedy), o[tk]e0-4y (okeey, okey, qokeey), okar variants (okar, qokar), ola (olal), otai0-4n (otain)	f67v2 Diagram Exterior 2 (okeey), f68r3 Star Quadrant #4 Star #2 (ceockey), f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, qokeey, qotaiin), Rosette #4 Compartment #1 (okar, okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (olaiiin, opam, opceody, oteedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceedal, otedy)	0.16781
89	f107v #10	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin, otaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okedy), oa (oaiin), orai0-4n (orain), yodai0-4n (odain, qodaiin)	f67v2 Diagram Exterior 4 (ceol), f85r2 Quadrant 4 (orain, qodaiin), f86v3 Jet Figure #4 (otceey, qokaiin, ykaiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (oas, okaiin, okedy, olkeeodaiin)	0.16771
90	f112r #1	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), do (dody), o[fptk][ao]d (otody), o[fptk]ai4n (otaiin, otain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcey), o[fptk]c + e0-4dy (qotceedy), o[fptk]e4dy (qokeedy, oteedy), o[lr]a (olaiin), o[tk]e0-4y (okeeey, okeey, oteey, qokeey, oty), okod variants (okody), x (xar)	f67v2 North-Oriented Text (dceeeor), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (kaiir, ody, okain, okcedy, okcegy, okod, oral, yky), Rosette #1 Quadrant #3 (docfcey), Rosette #1 Quadrant #4 (okedy), Rosette #1 Quadrant #9 (dxar)	0.16760

91	f108r #14	2	[fptk]e0-4y (keey), cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, okedy, otedy, oteedy, yteedy), o[tk]e0-4y (okeey, qokeey)	f68v3 Inner Ring (keeey), f86v3 Jet Figure #1 (cedar, qokaiin, qokeedy), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (oteoteedy), Rosette #2 Protrusion Exterior (otedy)	0.16730
92	f111v #1	9	ce4a (ceear, cseal), cedai4[lrsm | n] (ceedar), Consonant Clusters (ls), g (g), o[fptk]ai4n (otain, okaiin, okain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, qotedy, qokedy, qokeedy, okedy), oa (oaiin), okal variants (qokal), okar variants (okar)	Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #12 (dgl), Rosette #9 Center #17 (otedy), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (cseax, okal, osoa, otcsee, oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar)	0.16695
93	f108r #10	9	o[fptk]ai4n (okain), o[fptk]e4dy (qokedy, qokeedy, qotedy, okedy, otedy), okal variants (qokal), okar variants (okar)	Rosette #9 Center #17 (otedy), Rosette #9 Outer Ring Sentence #1 (okal, oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar)	0.16664
94	f106v #15	4	[yo][fptk]e4o (okeeo), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (okain, qokaiin), o[fptk]e4dy (qokeedy, otedy, oteedy), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeeey, okeey, oky, ceeyky, oteey, oty), okal variants (okal), otai0-4n (otaiin), otar variants (ytar), otol variants (otol), yodai0-4n (odaiin)	f67v2 Diagram Exterior 2 (okeey), f68v3 Sides #3 (okal), f69r Labeled Interior Bar #4 (okeeo), f86v3 Jet Figure #2 (otaiin, oteey, qokaiin, ytaiin), Rosette #4 Compartment #3 (oky), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #5 (otol), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, odaiin, okedaiin, otar, otedy)	0.16601
95	f103r #10	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ety (cseety), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy, qokedy), o[tk]e0-4y (oteey, okeey), okal variants (qokal), opce0-4dy (opceedy), ora (oraiin)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68v1 Exterior Stars #8 (cpceety), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (opceedy, oteey, qokedy), Rosette #8 Outer Ring (okaiin, oteedy), Rosette #8 Smokestack (orarol)	0.16583
96	f103r #8	7	cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4dy (opceedy), o[fptk]c + e0-4y (qotcey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky), okal variants (qokal)	f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (okal, oty, qotedy)	0.16579
97	f114v #12	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (arody, ceeody, qoteeody), o[fptk]ai4n (otaiin, otain, qokaiin, qotaiin, okaiin), o[fptk]c + e0-4y (otceey, qotceey), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeey, oteey), okal variants (okal), otar variants (qotar), yodai0-4n (odaiin)	f68v1 Exterior Stars #7 (oteodain), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, otar, oteedaiiin)	0.16562
98	f104r #11	3	[yo][fp]a (opam), [yo]dy endings (oteody), o[fptk]c + e0-4dy (qotcedy), okal variants (okal), okar variants (okar), orai0-4n (oraiin), otar variants (qotar)	Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (okar, okody, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (okal)	0.16554
99	f103v #11	8	[yo]dy endings (ceeody), c | cs + e0-4[dlrsmg] (csed), ceckey relatives (ceeckey), o[fptk]ai4n (okaiin, qokaiin, qokain), o[fptk]c + e0-4y (qokcseey), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (otey, oty, okeey, okey, qokeey, ykeey), ol[yoa] (oly), opce0-4y (opceey), otal variants (otaly)	f67v2 Protrusion #1 (okeeey), f68v2 Star Divider #1 (otey), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f85r2 Quadrant 4 (qokcseey), f86v3 Jet Figure #4 (aceeody, ceeckey, qokaiin, qokain, qokeey, ykeey), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (cseees, okaiin, okedy, oteedy)	0.16524
100	f103r #10	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ety (cseety), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy, qokedy), o[tk]e0-4y (oteey, okeey), okal variants (qokal), opce0-4dy (opceedy), or[yoa] (oraiin)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (ceeeor, oteey, ytaiin), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (cseety, opceedy), Rosette #4 Outer Ring (oror, otedy)	0.16497
101	f112v #2	4	cedai4[lrsm | n] (opcedar), eka (ceekaiiin), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (okceedy, qokcedy), oa (soaiin), o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar), oro (oror), otai0-4n (otaiin), otal variants (otal)	f68v3 Sides #3 (okal), f86v3 Jet Figure #2 (otaiin, ytaiin), Rosette #4 Compartment #1 (okar, okol), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (cecedam, ceekaiiin, oror, otal)	0.16488
102	f116r #3	1	l[drs] Prefixes (ldy), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, otedy, yteedy), o[tk]e0-4y (otey, qokeey, qoteey, okeey)	f68v2 Star Divider #1 (otey), Rosette #1 Outer Ring (ldy, okain, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.16464
103	f108r #14	1	cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, yteedy, okedy), o[tk]e0-4y (okeey, qokeey)	f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (okain, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.16443
104	f104r #2	4	[yo]c + e4ody (yceeeody), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (otcedy, otceedy), o[fptk]e4dy (qokeedy), o-axis of [yo][fptk][ao][lr] (okor), oe0-4s (cseeos), okal variants (qokal), okar variants (qokar, okar), okol variants (qokol), opce0-4dy (opcedy), otai0-4n (qotaiin), otar variants (otar), yodai0-4n (odaiin, qodain), yodai0-4r (odar)	f85r2 Quadrant 2 (cseeos, otceedy, qokar), f86v3 Jet Figure #2 (qokaiin, qotaiin, yceeeody), Rosette #4 Compartment #1 (cseodaiiin, okar, okol), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (opcedy, qokal), Rosette #4 Outer Ring (ceedal, odaiin, odar, otar)	0.16429
105	f108r #13	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y + infixed versions (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (okedy, okeedy, qotedy, otedy, oteedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, okeey, okey), okar variants (okar, qokar), ola (olal), om + o[fptk | dlrsmg]am (otam), otai0-4n (otain)	f67v2 Diagram Exterior 1 (om), f85r2 Quadrant 1 (ceol, cseeo), f86v3 Jet Figure #1 (ceeody, otain, qokeedy, ycseeey), Rosette #2 Bottom Exterior Label (okar), Rosette #2 Interior Ring (ykary, yky), Rosette #2 Outer Ring (cedas, okeedy, olar, oteoteedy), Rosette #2 Protrusion Exterior (ceedar, otedy)	0.16423
106	f112r #9	4	[yo]dy endings (okeody), o[fptk]ai4n (okaiin, qokaiin), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey, qoky), okal variants (okal)	f67v2 Diagram Exterior 2 (okeey), f68v3 Sides #3 (okal), f86v3 Jet Figure #2 (qokaiin, qoky, ytaiin), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #4 (opceody, oteedy)	0.16423
107	f106v #8	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), c | cs + e0-4[dlrsmg] (csed), ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcsey), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (okeedy), o[lr][yoa] (oraiin), o-axis of [yo][fptk][ao][lr] (qokol), od[fptk | dlrsmg] (odl), okal variants (okal), okar variants (qokar), otai0-4n (qotaiin)	f67v2 Diagram Center #4 (okoral), f68r3 Star Quadrant #5 (qokcey), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (cedal, ceear, qotaiin), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #8 Label #2 (lokedcses), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (okal), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge Interior East (odl)	0.16418
108	f108r #10	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal)	Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (cseor, okal, otedy, qotedy)	0.16385
109	f108r #14	7	cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, yteedy, okedy), o[tk]e0-4y (okeey, qokeey)	f68r3 Star Quadrant #7 (qokeey), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (otedy, qotedy)	0.16374
110	f108r #13	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y + infixed versions (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otain), o[fptk]e4dy (otedy, oteedy, okedy, okeedy, qotedy, qokedy, qokeedy), o[lr]a (olal), o[tk]e0-4y (qokeey, okeey, okey), okar variants (qokar, okar)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (ceocpey), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (ody, okain, okair, oral, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.16358
111	f107v #4	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), a[dlrsmg]am (dalam), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), okar variants (qokar), om + o[fptk | dlrsmg]am (otam), otai0-4n (qotaiin, otain), yodai0-4r (odar)	f67v2 Diagram Center #4 (okoral), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (ceeody, qokal, qotaiin), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #4 (opdaram), Rosette #6 Compartment #7 (oparom), Rosette #6 Outer Ring (okal), Rosette #6 Picatrix-Like Attachment (odar), Rosette #6-7 Bridge #2 (oteey)	0.16351
112	f104r #11	9	[yo][fptk]e4od + y (oteody), [yo]pa (opam), o[fptk]ai4n (qokaiin, okaiin), o[fptk]c + e0-4dy (qotcedy), o[lr]a (oraiin), okal variants (okal), okar variants (okar)	Rosette #9 Center #9 (ypal), Rosette #9 Outer Ring Sentence #1 (okal), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, okcedy, okeody, olar)	0.16342
113	f106v #15	5	[fptk]e0-4y (keey), cedai4[lrsm | n] (ceedar), o[fptk]e4dy (otedy, oteedy, qokeedy), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeeey, okeey, oky, ceeyky, oteey, oty), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), otar variants (ytar), yodai0-4n (odaiin)	f67v2 South-Oriented Text (okolarm), f68v3 Sides #3 (okeey), f68v3 Stars #3 (keey), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (odaiiin, okal, okedaiiin, otar, otedy, yky)	0.16327
114	f108v #2	4	ady (dady), cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (qokedy, qokeedy, okedy, okeedy, oteedy), o[fptk]eda[lrsm | n] (otedal), o[tk]e0-4y (qokeey, otey, oty, okeey), okal variants (qokal, okal), okar variants (okar, okair, qokar), ol[tk] (ceolkain), om (om)	f67v2 Diagram Exterior 2 (okeey, oralady), f68v3 Sides #3 (okal), f85r2 Quadrant 2 (otceedy, qokar), f86v3 Jet Figure #2 (om, qokeey), Rosette #4 Compartment #1 (okar, okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (ceedal, okary, okedaiin, olkar)	0.16300
115	f103r #8	8	ceckey relatives (ceckeey), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4y (qotcey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky), okal variants (qokal), opce0-4dy (opceedy)	f67v2 Protrusion #1 (okeeey), f68v2 Star Divider #1 (otey), f68v2 Stars #8 (ypcey), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (ceeckey, opceedy, oteey, qokain), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (oteedy)	0.16298
116	f108r #8	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedal, cedar), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (qokedy, qokeedy, qotedy, okedy), o[fptk]eda[lrsm | n] (okedam), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (okal, okedair, yky)	0.16266
117	f112r #2	6	[tk]c-Initial (tceedy), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, qokedy, okeedy), o[tk]e0-4y (okeey, qokeey, qoteey, oteey, otey), otai0-4n (otaiin)	f86v3 Jet Figure #3 (otaiin, otceedy, qoteey, tceedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6-7 Bridge #2 (oteey)	0.16253
118	f106r #15	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ce4a (cear), cedai4[lrsm | n] (cedal), dcedy relatives (dcseedy), o[fptk]ai4n (okain, qokaiin, qokain), o[fptk]e4dy (qokeedy, otedy), o[tk]e0-4y (oty, qoteey, qoty, oky), okal variants (okal), ol[tk] (olkair), otai0-4n (otaiin), otar variants (otair, otar), yodai0-4n (cseodaiin)	f67v2 Protrusion #3 (cear), f68v3 Sides #3 (okal), f86v3 Jet Figure #2 (ceeeor, dcseedy, otaiin, qokaiin, qoteey, qoty, ytaiin), Rosette #4 Compartment #1 (cseodaiiin), Rosette #4 Compartment #3 (oky), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, olkar, otar, otedy)	0.16249
119	f108r #13	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otain), o[fptk]e4dy (okedy, okeedy, otedy, oteedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (qokeey, okeey, okey), ola (olal), otam variants (otam)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f69r Labeled Interior Bar #15 (cseo), f86v3 Jet Figure #4 (aceeody, otam, qokedy, qokeey, yceey), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (okedy, okeedy, oteedy)	0.16241
120	f104r #2	6	[dlrsmg]ai4m (dam), [yo]c + e4o Superclass (yceeeody), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (otceedy, otceedy), o[fptk]e4dy (qokeedy), o-axis of [yo][fptk][ao][lr] (qokol), oe0-4s (cseeos), okal variants (qokal), okar variants (qokar, okar), okor variants (okor), opce0-4dy (opcedy), otai0-4n (qotaiin), otar variants (otar), yodai0-4n (qodain, odaiin), yodai0-4r (odar)	f67v2 Diagram Center #4 (okoral), f67v2 Diagram Exterior 3 (dam), f85r2 Quadrant 3 (qodain), f86v3 Jet Figure #3 (otceedy, qokal, qotaiin), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #6 (otcedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (odaiiin, otar), Rosette #6 Picatrix-Like Attachment (odar, opacseeefcedy), Rosette #6-7 Bridge Interior West (osy)	0.16237
121	f108r #8	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedal, cedar), o[fptk]ai4n (okaiin), o[fptk]e4dy	f67v2 Diagram Exterior 2 (okeey), f67v2 Protrusion #3 (cear), f68v3 Sides #3 (okal), f86v3 Jet Figure #2 (ceeeor, otaiin, qokeey,	0.16229

			(okedy, qokedy, qokeedy, qotedy), o[fptk]eda[lrsm | n] (okedam), o[tk]e0-4y (qokeey, okeey), okal variants (qokal, okal), opce0-4dy (opceedy), otai0-4n (otaiin)	ytaiin), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (opceedy), Rosette #4 Outer Ring (cecedam, okedaiin)	
122	f108r #2	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4dy (qokceedy), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (okedy, qokedy, qokeedy, otedy, qotedy), o[tk]e0-4y (oteey, qokeey, okeey)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Outer Ring (cseor, otedy, qotedy)	0.16220
123	f107v #4	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), o[fptk | dlrsmg][ao]m (otam), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal), okar variants (qokar), otal variants (otal), otol variants (otol), yodai0-4r (odar)	f67v2 East-Oriented Text (dcseog, oky), f68v1 Exterior Stars #4 (otaly, otol), f68v3 Sides #2 (ceeody), Rosette #3 Diagram Interior #3 (okcedy), Rosette #3 Outer Ring Sentence #1 (okar, okom, qokal), Rosette #3 Outer Ring Sentence #2 (okal, otodar)	0.16219
124	f115v #1	5	cedai4[lrsm | n] (cedar), ek[yoa] (ceeky), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (qokcedy, qokceedy, qokcseedy, ytceedy, otceedy, okcedy), o[fptk]e4dy (yteedy, qokeedy, qotedy), o[tk]e0-4y (qoteey, qoty), okar variants (qokar), om + o[fptk | dlrsmg]am (om), otar variants (otar, qotar)	Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (oekaiiin, okair, otar, yky)	0.16197
125	f108r #2	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okceey), o[fptk]c + e0-4dy (qokceedy), o[fptk]e4dy (qokedy, qokeedy, okedy, otedy, qotedy), o[tk]e0-4y (oteey, okeey, qokeey), okar variants (okar), otol variants (otol)	f67v2 North-Oriented Text (dceeeeor), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (okair, okcedy, okcegy, otedy, otol, yky), Rosette #1 Quadrant #4 (okedy)	0.16160
126	f107v #10	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okedy), oa (oaiin), ora (orain), otai0-4n (otaiin), rai4n (raiin), yodai0-4n (qodaiin, odain)	f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (qokaiin, qotaiin, raiin, ykaiin, ytain), Rosette #2 Interior Ring (orar), Rosette #2 Outer Ring (oaiin, okodain, oteoteedy), Rosette #2 Protrusion Bottom-Left (opcey)	0.16089
127	f108v #2	9	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dady), cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, qokedy, qokeedy, okedy, okeedy), o[fptk]eda[lrsm | n] (otedal), okal variants (qokal, okal), okar variants (okar, okair, qokar), ol[tk] (ceolkain), om (om)	Rosette #9 Canister #3 (otedaiiin), Rosette #9 Canister #4 (ary), Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (okal, oteeedy), Rosette #9 Outer Ring Sentence #2 (okar, okcedy, olkalor, om)	0.16081
128	f114r #13	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp]ai0-4[rn] (opaiin), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar, ceedal), do (dor), o[fptk]ai4n (okain), o[fptk]c + e0-4dy (qotcedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (okeedy), or[yoa] (oral), otai0-4n (otaiin, otain, qotaiin), otal variants (ceotal), otar variants (qotar), yodai0-4n (odaiin, qodaiin)	f85r2 Quadrant 2 (qotaiin, qotcedy), f86v3 Jet Figure #2 (ceeeor, otaiin, qodaiin, qotceey, ytaiin), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #3 (dor), Rosette #4 Compartment #4 (opceody), Rosette #4 Compartment #6 (oparod), Rosette #4 Outer Ring (cecedam, ceedal, odaiin, oror, otalol, otar)	0.16078
129	f107v #6	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [yo][fp]a (opal), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), kc-initial (kceedy), o[lr]a (olaiin), okal variants (okal), okol variants (qokol), otal variants (otal), otar variants (otar)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #2 (kcey), f68r3 Star Quadrant #3 (qokol), f68v1 Exterior Stars #4 (otaly), f68v3 Sides #2 (ceeody), Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, kar, otar), Rosette #3 Outer Ring Sentence #2 (okal)	0.16061
130	f103r #18	4	o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy), o[tk]e0-4y (qokeey, qoty, oteey), otal variants (otal)	f86v3 Jet Figure #2 (oteey, qokaiin, qokeey, qoty), Rosette #4 Compartment #2 (qokedy), Rosette #4 Outer Ring (otal)	0.16060
131	f112r #9	5	[yo]dy endings (okeody), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey, qoky), okal variants (okal)	f68v3 Sides #3 (okeey), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Outer Ring (keeody, okal, yky)	0.16048
132	f116r #5	4	o[fptk]e4dy (okeedy, oteedy), o[fptk]eda[lrsm | n] (otedal), o[tk]e0-4y (qokeey, qoky, okeey), opam variants (opam), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (qokeey, qoky), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #4 (opam, oteedy), Rosette #4 Outer Ring (okedaiin, otal, otar)	0.15967
133	f108v #2	1	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dady), cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, qokedy, qokeedy, okedy, okeedy), o[tk]e0-4y (okeey, qokeey, otey, oty), okal variants (qokal, okal), okar variants (okar, okair, qokar), ol[tk] (ceolkain)	f68v2 Star Divider #1 (otey), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (okair, okal, okcedy, olkcedy, ykal, yky), Rosette #1 Quadrant #2 (daiiny), Rosette #1 Quadrant #4 (okedy)	0.15966
134	f116r #3	2	l[drs] Prefixes (ldy), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, yteedy, otedy), o[tk]e0-4y (otey, qokeey, qoteey, okeey), qo variants (qo)	f68r3 Star Quadrant #3 (qoteey), f68v3 Sides #2 (qo), f86v3 Jet Figure #1 (ls, otey, qokeedy, ytain), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (oteoteedy), Rosette #2 Protrusion Exterior (otedy)	0.15914
135	f106v #8	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), dl Consonant clusters (odl), o[fptk]ai4n (qokaiin, qokain), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey, okcsey), o[fptk]e4dy (okeedy), okal variants (okal), okar variants (qokar), okol variants (qokol), or[yoa] (oraiin), otai0-4n (qotaiin)	f57v Hand-Raiser 2 (dly), f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, cseor, qokaiin, qotaiin, ytaiin), Rosette #4 Compartment #1 (okeedy, okol, qokcey), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (cecedam, oror, otecseey), Rosette #4-5 Bridge #2 (cseeal)	0.15892
136	f104r #10	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedaiin), o[fptk]ai4n (otaiin, qokaiin), okal variants (qokal)	f67v2 Diagram Exterior 4 (ceol), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (aceeody, ceedaiin, qokaiin), Rosette #8 Exterior Label #1 (ofain)	0.15875
137	f112v #13	1	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kar), [yo][fp]a (opal), cedai4[lrsm | n] (cedal), ek[yoa] (ceeky), o[fptk]ai4n (okaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opcey, otceey), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (qokedy, ykeedy), o[tk]e0-4y (ykeey, oty), okal variants (okal), ol[tk] (olkaiin), otol variants (otol)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #8 (qokcedy), f68v3 Stars #1 (cedail, sceekol), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (ary, kaiir, okain, okal, okcegy, olkaiin, otol, yky), Rosette #1 Quadrant #4 (okedy), Rosette #1 Quadrant #5 (ofary)	0.15861
138	f106v #8	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey, okcsey), o[fptk]e4dy (okeedy), okal variants (okal), okar variants (qokar), okol variants (qokol), orai0-4n (oraiin), otai0-4n (qotaiin)	f68r3 Star Quadrant #1 (okald), f68r3 Star Quadrant #8 (qokcedy), f69r Labeled Interior Bar #20 (qokol), f85r2 Quadrant 1 (ceol, oraiin), f86v3 Jet Figure #1 (qokaiin, qotaiin, ytain), Rosette #2 Interior Ring (ykary), Rosette #2 Outer Ring (cedas, okeedy), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (cedaiin)	0.15860
139	f116r #3	7	o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, yteedy, otedy), o[tk]e0-4y (otey, okeey, qokeey, qoteey)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (otedy, qotedy)	0.15850
140	f103v #6	4	ce4a (cealkar, cear), ceckey relatives (ceckey), o[fptk]e4dy (qokeedy, oteedy), o[tk]e0-4y (qoteey), okal variants (qokal), olai0-4n (olaiin), opce0-4dy (opceedy), oro (orol), otal variants (otal)	f67v2 Protrusion #3 (cear), f86v3 Jet Figure #2 (qoteey), Rosette #4 Compartment #4 (olaiiin, oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (opceedy), Rosette #4 Outer Ring (ceckey, oror, otal), Rosette #4-5 Bridge #2 (cseeal)	0.15828
141	f104r #6	3	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (kary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp]ai0-4[rn] (opair), [yo]dy endings (ceeody), ce4a (ceear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4dy (qokcedy), o-axis of [yo][fptk][ao][lr] (otor), oc[fptk]e4y (qoctey), otar variants (otar, qotar)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #2 (ockey), f68v3 Sides #2 (ceeody), Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Diagram Interior #3 (kary), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (ykol)	0.15825
142	f114v #4	4	[tk]c-Initial (tceedy), [yo]c + e4dy (oceedy), cedai4[lrsm | n] (ceedal), o[fptk | dlrsmg][ao]m (otam), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (qotedy), oa (ceoaiin), oi (soiiin), otai0-4n (qotaiin), otar variants (ytar), otol variants (otol)	f85r2 Quadrant 2 (otceedy, qotaiin, tceedy), f86v3 Jet Figure #2 (oceedy), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #4 (opam, oteedy), Rosette #4 Compartment #5 (otol), Rosette #4 Outer Ring (ceedal, oiiin, otar)	0.15783
143	f104r #11	2	[yo]dy endings (oteody), [yo]pa (opam), o[fptk]ai4n (qokaiin, okaiin), o[fptk]c + e0-4dy (qotcedy), okal variants (okal), okar variants (okar), orai0-4n (oraiin), otar variants (qotar)	f67v2 Multi-Face Diagram #1 (otararain), f68r3 Star Quadrant #1 (okald), f85r2 Quadrant 1 (oraiin), f86v3 Jet Figure #1 (qokaiin, ytain), Rosette #2 Bottom Exterior Label (oedody, okar), Rosette #2 Outer Ring (okcedy, opair)	0.15770
144	f108v #8	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (okeody), ce4a (cseeal, ceear), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk | dlrsmg][ao]m (otam), o[lr][yoa] (olor), o[tk]e0-4y (okey, okeey, ceoteey, oteey, qokeey, ykeey), oce4y + infixed versions (oceey), okal variants (qokal), olcey relative (olceey), otal variants (otal)	f67v2 East-Oriented Text (dcseog, oky), f68r3 Star Quadrant #2 (ockey), f68v1 Exterior Stars #4 (otaly), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, kar, okom, otody, qokal), Rosette #3 Outer Ring Sentence #2 (olceedy)	0.15744
145	f116r #3	8	l[drs] Prefixes (ldy), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, otedy, yteedy), o[tk]e0-4y (otey, okeey, qokeey, qoteey)	f67v2 Protrusion #1 (okeeey), f68v2 Star Divider #1 (otey), f86v3 Jet Figure #4 (qokain, qokeey, yteedy), Rosette #8 Outer Ring (lsaiin, oteedy)	0.15742
146	f103v #1	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), ceckey relatives (ceckey), o[fptk]ai4n (qokain), o[fptk]e4dy (ykeedy, qokeedy, okeedy), o[tk]e0-4y (okeey, qokeey, qoky, qoty), okal variants (qokal), olf (olfceey)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (ceeeor, olfceey, qokeey, qoky, qoty, ytaiin), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Outer Ring (ceckey)	0.15733
147	f106v #15	1	[yo][fptk]e4o (okeeo), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (okain, otaiin, qokaiin), o[fptk]e4dy (qokeedy, otedy, oteedy), o[tk]e0-4y (oteey, okeey, oky, oty, okeeey, ceeyky), okal variants (okal), otol variants (otol)	f68v3 Stars #1 (cedail), f69r Labeled Interior Bar #18 (oky), Rosette #1 Outer Ring (okain, okal, okeo, otedy, otol, yky), Rosette #1 Quadrant #4 (okedy)	0.15723
148	f112r #10	9	o[fptk]ai4n (okaiiin), o[fptk]c + e0-4dy (okceedy), o[fptk]c + e0-4y (okceey, okcey, qokcey), o[fptk]e4dy (otedy), o[lr]y (ory), okal variants (qokal, okal), okar variants (okar), opal variants (opal)	Rosette #9 Center #17 (otedy), Rosette #9 Center #9 (ypal), Rosette #9 Outer Ring Sentence #1 (okal, otcsee), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, okcedy, oly)	0.15714
149	f113v #12	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]ai4n (otaiin, otain, okain, qokain), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteey), oi (oiiin), ora (oraiin), otar variants (otar)	f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #1 (depceeky), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (cseor, oiin, orar, otar, qotedy)	0.15687
150	f104r #13	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), l[drs] Prefixes (lsaiin), o[fptk]ai4n (qokaiin, qokain, otaiin, otain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokceedy), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qokeey, oteey), ol[tk] (olkair)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68v2 Stars #8 (ypcey), f86v3 Jet Figure #4 (oteey, qokaiin, qokain, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (lsaiin, olkeeodaiin, oteedy)	0.15668

Table 31.13: Top 20 Section 5 Paragraphs for Each Rosette Line

#	Folio	Section 5 Word Categories	Associated Rosette Line Figures	Score
		Rosette #1		
1	f108v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [fptk]ai4[dlrsmg | n] (kar), [tk]e4dy (tedy), [yo][fptk]e4od + y (okeody), cedai4[lrsm | n] (ceedaiin, ceedar), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[fptk]ai4n (okain, qokain, otaiin, qotaiin), o[fptk]e4dy (otedy, oteedy, okeedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (qokeey, okeey, ceoteey, oteey, okey, ykeey), oce4y + infixed versions (oceey), okal variants (qokal), ol[yoa] (olor)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (ceocpey), f68v2 Star Divider #8 (ceoteey), f68v3 Stars #1 (cedail, okeody), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (cseeekedy, kaiir, lar, okain, oly, otedy, ykal, yky), Rosette #1 Quadrant #4 (okedy)	0.22483
2	f116r #6	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (arody), do (dol), ek[yoa] (cseeky), o[fptk]ai4n (okain, otain, qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (ytceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, oteeedy, okeedy), o[lr]a (olar), o[tk]e0-4y (oteey, otey, oty, qokeey, qoky, qoty, okey), okal variants (okal, okalain, okaly, qokal), okar variants (okar), ora (orain), ory (ory)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (dol), f68v2 Star Divider #1 (otey), f68v3 Stars #1 (sceekol), Rosette #1 Outer Ring (ary, ody, okain, okair, okal, okcegy, oral, otedy, ykal, yky), Rosette #1 Quadrant #10 (okory), Rosette #1 Quadrant #4 (okedy)	0.21890
3	f111r #2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol), [yo][fptk]e4o (okeeo), [yo][fptk]e4od + y (oteody), [yo]dy endings (ceody, qokeody), c | cs + e0-4[dlrsmg] (cseed), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky, cseekal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy), o[lr]a (olaiiin), o[tk]e0-4y (okeey, okey, oteey, otey, oty, qokeey, qoky, qoteey, ykeey), oc[fptk]e4y (ockey), oce4y + infixed versions (oceey), oe0-4s (ceeos), okar variants (okar), ora (oraiin, orain)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (ceocpey), f68v2 Star Divider #1 (otey), f68v2 Star Divider #8 (dary), f68v3 Sides #1 (ceody), f68v3 Stars #1 (cedail, sceekol), f69r Labeled Interior Bar #16 (oteody), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (ceedces, ody, okain, okair, okcedy, okcegy, okeo, oral, os, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.21571
4	f111v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]e4dy (tedy), [yo][fptk]e4o (okeeo), c | cs + e0-4[dlrsmg] (cseed), cedai4[lrsm | n] (ceedar), g (g), l[drs] Prefixes (ldy, ls), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, okain, otain, qotaiin, qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceey), o[fptk]e4dy (otedy, oteedy, okedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (qokeey, okeeey, okeey), okal variants (qokal), okar variants (okar)	f67v2 North-Oriented Text (dceeeor), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (ceedces, cseeekedy, lar, ldy, okain, okair, okcegy, okeo, otedy, ykal, yky), Rosette #1 Quadrant #4 (okedy)	0.20302
5	f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), o[fptk]ai4n (okain), o[fptk]e4dy (qokedy, qokeedy, qotedy, okedy, otedy), okal variants (qokal), okar variants (okar)	f67v2 North-Oriented Text (dceeeor), Rosette #1 Outer Ring (okain, okair, otedy, ykal), Rosette #1 Quadrant #4 (okedy)	0.19843
6	f107v #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal), okar variants (qokar), otol variants (otol), yodai0-4r (odar)	f67v2 North-Oriented Text (dceeeor), f69r Labeled Interior Bar #16 (okeodar), Rosette #1 Outer Ring (ody, okain, okair, okal, okcedy, otol, ykal, yky)	0.18980
7	f103v #11	[yo]dy endings (ceeody), c | cs + e0-4[dlrsmg] (csed), o[fptk]ai4n (okaiin, qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcseey, opceey), o[fptk]e4dy (otedy, okedy), o[tk]e0-4y (okeey, okey, qokeey, ykeey, otey, oty), oly (oly)	f68v2 Star Divider #1 (otey), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (csed, ody, okain, okcegy, oly, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.18748
8	f106r #15	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (taiin), cedai4[lrsm | n] (cedal), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[fptk]ai4n (okain, otaiin, qokaiin, qokain), o[fptk]e4dy (qokeedy, otedy), o[tk]e0-4y (oty, qoteey, qoty, oky), okal variants (okal), ol[tk] (olkair)	f67v2 North-Oriented Text (dceeeor), f68v3 Stars #1 (cedail), f69r Labeled Interior Bar #18 (oky), Rosette #1 Outer Ring (kaiir, lar, okain, okal, olkcedy, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.17987
9	f106v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), c | cs + e0-4[dlrsmg] (csed), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain, qotaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcey, okcsey), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (okeedy), okal variants (okal), okar variants (qokar), okol variants (qokol), ora (oraiin)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #8 (qokcedy, qokol), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (csed, okain, okair, okal, okcegy, oral), Rosette #1 Quadrant #4 (okedy)	0.17704
10	f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (qokaiin, okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (qoky, okeey), okal variants (okal)	f68v3 Stars #1 (okeody), Rosette #1 Outer Ring (okain, okal, yky), Rosette #1 Quadrant #4 (okedy)	0.17178
11	f107v #5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp]ai0-4[rn] (opaiin), [yo]dy endings (qokeody), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, otaiin, qokain), o[fptk]e4dy (otedy), o[lr]a (olaiin), okal variants (okal), okar variants (qokar)	f67v2 North-Oriented Text (dceeeor), Rosette #1 Outer Ring (lar, ody, okain, okair, okal, oral, otedy), Rosette #1 Quadrant #5 (ofary)	0.16826
12	f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), do (dody), o[fptk][ao]d (otody), o[fptk]ai4n (otaiin, otain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcey), o[fptk]c + e0-4dy (qotceedy), o[fptk]e4dy (qokeedy, oteedy), o[lr]a (olaiin), o[tk]e0-4y (oteey, okeeey, okeey, qokeey, oty), okod variants (okody), x (xar)	f67v2 North-Oriented Text (dceeeor), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (kaiir, ody, okain, okcedy, okcegy, okod, oral, yky), Rosette #1 Quadrant #3 (docfcey), Rosette #1 Quadrant #4 (okedy), Rosette #1 Quadrant #9 (dxar)	0.16760
13	f116r #3	l[drs] Prefixes (ldy), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, yteedy, otedy), o[tk]e0-4y (otey, okeey, qokeey, qoteey)	f68v2 Star Divider #1 (otey), Rosette #1 Outer Ring (ldy, okain, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.16464
14	f108r #14	cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, okedy, otedy, oteedy, yteedy), o[tk]e0-4y (okeey, qokeey)	f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (okain, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.16443
15	f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y + infixed versions (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otain), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, okedy, okeedy, qotedy), o[lr]a (olal), o[tk]e0-4y (okeey, okey, qokeey), okar variants (okar, qokar)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (ceocpey), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (ody, okain, okair, oral, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.16358
16	f108r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okceey), o[fptk]c + e0-4dy (qokceedy), o[fptk]e4dy (qokedy, qokeedy, otedy, qotedy, okedy), o[tk]e0-4y (okeey, oteey, qokeey), okar variants (okar), otol variants (otol)	f67v2 North-Oriented Text (dceeeor), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (okair, okcedy, okcegy, otedy, otol, yky), Rosette #1 Quadrant #4 (okedy)	0.16160
17	f108v #2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dady), cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, okedy, okeedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, okeey, otey, oty), okal variants (qokal, okal), okar variants (okar, qokar, okair), ol[tk] (ceolkain)	f68v2 Star Divider #1 (otey), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (okair, okal, okcedy, olkcedy, ykal, yky), Rosette #1 Quadrant #2 (daiiny), Rosette #1 Quadrant #4 (okedy)	0.15966
18	f112v #13	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kar), [yo][fp]a (opal), cedai4[lrsm | n] (cedal), ek[yoa] (ceeky), o[fptk]ai4n (okaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opcey, otceey), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (qokedy, ykeedy), o[tk]e0-4y (ykeey, oty), okal variants (okal), ol[tk] (olkaiin), otol variants (otol)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (qokcedy), f68v3 Stars #1 (cedail, sceekol), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (ary, kaiir, okain, okal, okcegy, olkaiin, otol, yky), Rosette #1 Quadrant #4 (okedy), Rosette #1 Quadrant #5 (ofary)	0.15861
19	f106v #15	[yo][fptk]e4o (okeeo), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (okain, otaiin, qokaiin), o[fptk]e4dy (qokeedy, otedy, oteedy), o[tk]e0-4y (oteey, okeeey, ceeyky, okeey, oky, oty), okal variants (okal), otol variants (otol)	f68v3 Stars #1 (cedail), f69r Labeled Interior Bar #18 (oky), Rosette #1 Outer Ring (okain, okal, okeo, otedy, otol, yky), Rosette #1 Quadrant #4 (okedy)	0.15723
20	f103r #8	cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotcey), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky), okal variants (qokal)	f68v2 Star Divider #1 (otey), f68v3 Stars #1 (cedail), f69r Labeled Interior Bar #18 (oky), Rosette #1 Outer Ring (okain, okcedy, okcegy, ykal, yky), Rosette #1 Quadrant #4 (okedy)	0.15578
		Rosette #2		
1	f108v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [fptk]ai4[dlrsmg | n] (kar), [yo][fptk]e4od + y (okeody), [yo]ce4y + infixed versions (oceey), a[dlrsmg]am (dalam), cedai4[lrsm | n] (ceedaiin, ceedar), dcedy relatives (dcseedy), o[fptk]ai4n (qokain, okain), o[fptk]e4dy (okeedy, qotedy, qokedy, qokeedy, otedy, oteedy), o[tk]e0-4y (otey, okey, qokeey, ykeey, okeey, ceoteey), okal variants (qokal), ol[yoa] (olor), om + o[fptk | dlrsmg]am (otam), otai0-4n (otaiin, qotaiin), sai4n (sain), yodai0-4n (cseodain)	f67v2 Diagram Center #2 (dalam), f67v2 Diagram Exterior 1 (om), f68r3 Star Quadrant #1 (okald), f68v3 Stars #1 (okeody), f85r2 Quadrant 1 (ceol, sain), f86v3 Jet Figure #1 (qokeedy, qotaiin, ycseeey, ytain), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (cedas, dcedy, okeedy, okodain, olar, oteoteedy, taiin), Rosette #2 Protrusion Exterior (ceedar, otedy)	0.19303
2	f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [fptk]e0-4y (keey), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), dody (dody), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[fptk]ody (otody), o[tk]e0-4y (oty, qokeey, oteey, okeeey, okeey), oa (oar), okod variants (okody), ola (olaiin), otai0-4n (otaiin, otain), otar variants (otair, otar), yodai0-4n (qodain)	f68v3 Inner Ring (keeey, otair), f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (otain, qokeedy, qotaiin), Rosette #1-2 Bridge #2 (ody), Rosette #2 Bottom Exterior Label (oedody), Rosette #2 Interior Ring (o*oar, yky), Rosette #2 Outer Ring (cedas, okcedy, okodain, olar, oteoteedy, taiin, ykody), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (ceedar, oty), Rosette #2 Top Exterior Label (okody)	0.18904
3	f111r #2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol), [yo][fptk]e4o (okeeo), [yo]ce4y + infixed versions (oceey, ockey), [yo]dy endings (ceody, oteody, qokeody), c | c[fptk] + e4o (ceo), cedai4[lrsm | n] (ceedar), eka (cseekal), eky (ceeky), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, okeedy), o[tk]e0-4y (okeey, okey, oteey, qokeey, qoteey, qoky, otey, oty, ykeey), o[tk]e4s (otes), oa (soaiin, oaiin), oe0-4s (ceeos), oi (oir), okar variants (okar), ola (olaiiin), om (om), om + o[fptk | dlrsmg]am (otam), ora (orain), orai0-4n (oraiin), otar variants (otar), rai4n (raiin), sai4n (sain), yodai0-4n (odaiin)	f67v2 Diagram Exterior 1 (oir, om), f68r3 Star Quadrant #3 (ceo, qoteey), f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol, oraiin, sain), f86v3 Jet Figure #1 (otey, qokeedy, raiin, ycseeey, ytain), Rosette #2 Bottom Exterior Label (oedody, okar), Rosette #2 Castle #3 Lighthouse-Like (daly), Rosette #2 Interior Ring (o*oar, oekairy, orar, yky), Rosette #2 Outer Ring (ceeky, oaiin, okcedy, okeedy, okees, okeo, okodain, olar, oteoteedy), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (ceedar, otedy, oty), Rosette #2 Protrusion Top (osal)	0.18432
4	f107v #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), a[dlrsmg]am (dalam), cectey relatives (cectey),	f67v2 Diagram Center #2 (dalam), f67v2 Diagram Exterior 1 (om), f68r3 Star Quadrant #1 (okald), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure	0.18168

		o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal, qokal), okar variants (qokar), om + o[fptk | dlrsmg]am (otam), otai0-4n (qotaiin, otain), yodai0-4r (odar)	#1 (cectey, ceeody, otain, qokaiin, qotaiin, ytain), Rosette #2 Interior Ring (odar, ykary, yky), Rosette #2 Outer Ring (okcedy), Rosette #2 Protrusion Bottom-Right (okor)	
5	f116r #6	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]e0-4y (keey), [yo]dy endings (arody), cectey relatives (cectey), do (dol), eky (cseeky), o[fptk]ai4n (okain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy, oteeedy), o[tk]e0-4y (oteey, otey, oty, okey, qokeey, qoky, qoty), oi (oiin), okal variants (okal, okalain, okaly, qokal), okar variants (okar), ola (olar), om + o[fptk | dlrsmg]am (qotam), or[yoa] (ory), ora (orain), otai0-4n (otain), otar variants (otar, qotar)	f67v2 Diagram Exterior 1 (oir, om), f67v2 Multi-Face Diagram #1 (otararain), f68r3 Star Quadrant #1 (dol, okald), f68v3 Inner Ring (keeey), f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ary, ceol), f86v3 Jet Figure #1 (cectey, otain, otey, qokaiin, qokeedy, ytain), Rosette #2 Bottom Exterior Label (oedody, okar), Rosette #2 Interior Ring (orar, yky), Rosette #2 Outer Ring (ceeky, okeedy, olar, oteoteedy), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (otedy, oty)	0.17975
6	f113v #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin), oe0-4s (ceeos), okar variants (qokar, okar), ola (olal), otar variants (otar), rai4n (raiin)	f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (ceeody, qokaiin, raiin, ykaiin, ytain), Rosette #2 Bottom Exterior Label (okar), Rosette #2 Interior Ring (ykary), Rosette #2 Outer Ring (olar, taiin), Rosette #2 Protrusion Top (osal)	0.17816
7	f112r #2	[tk]c-Initial (tceedy), cectey relatives (cectey), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, okeedy, qokedy), o[tk]e0-4y (qokeey, qoteey, okeey, oteey, otey), otai0-4n (otaiin), qo variants (qo)	f68r3 Star Quadrant #3 (qoteey), f68v3 Sides #2 (qo), f86v3 Jet Figure #1 (cectey, otey, qotaiin, tceedy), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (okcedy, okeedy, oteoteedy)	0.17053
8	f112r #8	a[dlrsmg]am (aram), a[lr]an (araiin), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (qotedy, otedy, okeedy), o[tk]e0-4y (okeey, qoky), okar variants (qokar), ola (olaiin), sai4n (sain)	f68r3 Star Quadrant #1 (qokcedy), f85r2 Quadrant 1 (sain), f86v3 Jet Figure #1 (araiin), Rosette #2 Interior Ring (aram, ykary, yky), Rosette #2 Outer Ring (okeedy, olar, oteoteedy), Rosette #2 Protrusion Exterior (otedy)	0.16963
9	f108r #14	[fptk]e0-4y (keey), cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, yteedy, okedy, otedy, oteedy), o[tk]e0-4y (okeey, qokeey)	f68v3 Inner Ring (keeey), f86v3 Jet Figure #1 (cedar, qokaiin, qokeedy), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (oteoteedy), Rosette #2 Protrusion Exterior (otedy)	0.16730
10	f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y + infixed versions (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (okedy, okeedy, otedy, oteedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (qokeey, okeey, okey), okar variants (qokar, okar), ola (olal), om + o[fptk | dlrsmg]am (otam), otai0-4n (otain)	f67v2 Diagram Exterior 1 (om), f85r2 Quadrant 1 (ceol, cseeo), f86v3 Jet Figure #1 (ceeody, otain, qokeedy, ycseeey), Rosette #2 Bottom Exterior Label (okar), Rosette #2 Interior Ring (ykary, yky), Rosette #2 Outer Ring (cedas, okeedy, olar, oteoteedy), Rosette #2 Protrusion Exterior (ceedar, otedy)	0.16423
11	f107v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin, okain, ykaiin, qokaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okedy), oa (oaiin), ora (orain), otai0-4n (otaiin), rai4n (raiin), yodai0-4n (odain, qodaiin)	f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (qokaiin, qotaiin, raiin, ykaiin, ytain), Rosette #2 Interior Ring (orar), Rosette #2 Outer Ring (oaiin, okodain, oteoteedy), Rosette #2 Protrusion Bottom-Left (opcey)	0.16089
12	f116r #3	l[drs] Prefixes (ldy), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, yteedy, otedy), o[tk]e0-4y (otey, okeey, qokeey, qoteey), qo variants (qo)	f68r3 Star Quadrant #3 (qoteey), f68v3 Sides #2 (qo), f86v3 Jet Figure #1 (ls, otey, qokeedy, ytain), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (oteoteedy), Rosette #2 Protrusion Exterior (otedy)	0.15914
13	f106v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey, okcsey), o[fptk]e4dy (okeedy), okal variants (okal), okar variants (qokar), okol variants (qokol), orai0-4n (oraiin), otai0-4n (qotaiin)	f68r3 Star Quadrant #1 (okald, qokcedy), f69r Labeled Interior Bar #20 (qokol), f85r2 Quadrant 1 (ceol, oraiin), f86v3 Jet Figure #1 (qokaiin, qotaiin, ytain), Rosette #2 Interior Ring (ykary), Rosette #2 Outer Ring (cedas, okeedy), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (cedaiin)	0.15860
14	f104r #11	[yo]dy endings (oteody), [yo]pa (opam), o[fptk]ai4n (qokaiin, okaiin), o[fptk]c + e0-4dy (qotcedy), okal variants (okal), okar variants (okar), orai0-4n (oraiin), otar variants (qotar)	f67v2 Multi-Face Diagram #1 (otararain), f68r3 Star Quadrant #1 (okald), f85r2 Quadrant 1 (oraiin), f86v3 Jet Figure #1 (qokaiin, ytain), Rosette #2 Bottom Exterior Label (oedody, okar), Rosette #2 Outer Ring (okcedy, opair)	0.15770
15	f106r #15	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (taiin), cedai4[lrsm | n] (cedal), dcedy relatives (dcseedy), o[fptk]ai4n (okain, qokaiin, qokain), o[fptk]e4dy (qokeedy, otedy), o[tk]e0-4y (oty, qoteey, qoty, oky), okal variants (okal), ol[tk] (olkair), otai0-4n (otaiin), otar variants (otair, otar), yodai0-4n (cseodaiin)	f68r3 Star Quadrant #1 (okald), f68r3 Star Quadrant #3 (qoteey), f68v3 Diagram Center #3 (olekeey), f68v3 Inner Ring (otair), f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol, cseodaiin), f86v3 Jet Figure #1 (qokaiin, qokeedy, qotaiin, ytain), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (cedas, dcedy, taiin), Rosette #2 Protrusion Exterior (otedy, oty)	0.15599
16	f114r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp]ai0-4[rn] (opaiin), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), cedai4[lrsm | n] (cedar, ceedal), do (dor), o[fptk]ai4n (okain), o[fptk]c + e0-4dy (qotcedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (okeedy), ora (oral), otai0-4n (otaiin, otain, qotaiin), otar variants (qotar), qo variants (qo), yodai0-4n (qodaiin, odaiin)	f67v2 Multi-Face Diagram #1 (otararain), f68r3 Star Quadrant #3 (ceo), f68v3 Diagram Center #3 (doar), f68v3 Sides #2 (qo), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (cedar, ceeody, otain, qotaiin, ytain), Rosette #2 Interior Ring (orar), Rosette #2 Outer Ring (cedas, okcedy, okeedy, okodain, opair), Rosette #2 Protrusion Bottom-Left (opcey)	0.15499
17	f111v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]c-Initial (kcey), [yo][fptk]e4o (okeeo), cedai4[lrsm | n] (ceedar), g (g), l[drs] Prefixes (ldy, ls), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4or (okceor), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, okedy, qotedy), o[tk]e0-4y (okeeey, okeey, qokeey), oa (oaiin), okal variants (qokal), okar variants (okar), otai0-4n (otain, qotaiin), otar variants (otar), qo variants (qo)	f68r3 Star Quadrant #1 (okald), f68v3 Sides #2 (qo), f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol, cseeo), f86v3 Jet Figure #1 (ls, otain, qokaiin, qokeedy, qotaiin, ypcseeor, ytain), Rosette #2 Bottom Exterior Label (okar), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (oaiin, okeo, oteoteedy, tcedaiin), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (ceedar, otedy), Rosette #2 Volcano-Like Protrusion (cseg)	0.15487
18	f115r #13	[yo]dy endings (kody), eka (cekar), o[fptk]ai4n (qokain), o[fptk]c + e0-4dy (qokceedy, qotceedy), o[fptk]e4dy (qokeedy), o[tk]e0-4y (oky), okol variants (qokol), ora (orar), otar variants (otar, ytar), rai4n (raiin)	f69r Labeled Interior Bar #20 (qokol), f69r Labeled Interior Bar #21 (otar), f86v3 Jet Figure #1 (qokeedy, raiin, ytain, ytar), Rosette #2 Bottom Exterior Label (oedody), Rosette #2 Interior Ring (orar, yky), Rosette #2 Outer Ring (cekar, okcedy)	0.15167
19	f112v #1	o[fptk]ai4n (okaiin, okain), o[fptk]e4dy (okedy, qokeedy), o[tk]e0-4y (qokeey, qoky, okeey, okey, oteey, oty), oa (oaiin, oar), okal variants (qokal), om + o[fptk | dlrsmg]am (qotam), opal variants (opal), orai0-4n (oraiin), osa (osal), qo variants (qo), sai4n (sain)	f67v2 Diagram Exterior 1 (om), f68r3 Star Quadrant #1 (okald), f68v3 Sides #2 (qo), f85r2 Quadrant 1 (oraiin, sain), f86v3 Jet Figure #1 (qokeedy, ytain), Rosette #2 Interior Ring (o*oar, opal, yky), Rosette #2 Outer Ring (oaiin, oteoteedy), Rosette #2 Protrusion Exterior (oty), Rosette #2 Protrusion Top (osal)	0.15161
20	f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal), okar variants (okar)	f68r3 Star Quadrant #1 (okald), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (qokeedy, ytain), Rosette #2 Bottom Exterior Label (okar), Rosette #2 Outer Ring (oteoteedy), Rosette #2 Protrusion Exterior (otedy)	0.15065
		Rosette #3		
1	f111r #2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol, ceeos), [yo][fptk]e4o (okeeo), [yo]dy endings (ceody, oteody, qokeody), c | c[fptk] + e4o (ceo), ce4a (cear), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky), eka (cseekal), o[fptk | dlrsmg][ao]m (otam), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[lr]a (olaiiin), o[tk]e0-4y (oteey, qoteey, otey, oty, qokeey, qoky, ykeey, okeey, okey), o[tk]e4s (otes), oa (soaiin, oaiin), oce4y + infixed versions (oceey), ocke4y (ockey), okar variants (okar), olcey relative (olceedy), om (om), orai0-4n (oraiin, orain), otar variants (otar)	f67v2 East-Oriented Text (dcseog, oafoaly, oky), f68r3 Star Quadrant #2 (ockey), f68r3 Star Quadrant #3 (ceo, qoteey), f69r Labeled Interior Bar #1 (okeeo), f69r Labeled Interior Bar #22 (dary), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, okar, okcsey, okody, okom, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (cseekal, okees, olceedy)	0.24237
2	f116r #6	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (arody), ce4a (cseeal, ceear), do (dol), eky (cseeky), o[fptk | dlrsmg][ao]m (qotam), o[fptk]c + e0-4y (ytceey), o[lr]a (olar), o[tk]e0-4y (oteey, otey, oty, qokeey, qoky, okey, qoty), okal variants (qokal, okal, okalain, okaly), okar variants (okar), or[yoa] (ory), orai0-4n (orain), otal variants (otal), otar variants (otar, qotar)	f67v2 East-Oriented Text (dcseog, oky), f68v1 Exterior Stars #4 (otaly), f68v3 Stars #2 (cseeky, dom), f69r Labeled Interior Bar #2 (ary), Rosette #3 Diagram Interior #2 (okalain), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cseal, okar, okcsey, okody, okom, otar, qokal), Rosette #3 Outer Ring Sentence #2 (okal)	0.20280
3	f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [yo]dy endings (ody, dody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]ody (otody), o[lr]a (olaiin), o[tk]e0-4y (okeeey, okeey, oty, oteey, qokeey), oa (oar), okod variants (okody), otal variants (otal), otar variants (otar, otair)	f67v2 East-Oriented Text (dcseog, oafoaly, oky), f68v1 Exterior Stars #4 (otaly), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, kar, okcsey, okody, otar, otody, qotcedy)	0.18176
4	f104r #11	[yo][fp]a (opam), [yo]dy endings (oteody), o[fptk]c + e0-4dy (qotcedy), okal variants (okal), okar variants (okar), orai0-4n (oraiin), otar variants (qotar)	Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (okar, okody, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (okal)	0.16554
5	f107v #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), o[fptk | dlrsmg][ao]m (otam), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal), okar variants (qokar), otal variants (otal), otol variants (otol), yodai0-4r (odar)	f67v2 East-Oriented Text (dcseog, oky), f68v1 Exterior Stars #4 (otaly, otol), f68v3 Sides #2 (ceeody), Rosette #3 Diagram Interior #3 (okcedy), Rosette #3 Outer Ring Sentence #1 (okar, okom, qokal), Rosette #3 Outer Ring Sentence #2 (okal, otodar)	0.16219
6	f107v #6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [yo][fp]a (opal), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), kc-initial (kceedy), o[lr]a (olaiin), okal variants (okal), okol variants (qokol), otal variants (otal), otar variants (otar)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #2 (kcey), f68r3 Star Quadrant #3 (qokol), f68v1 Exterior Stars #4 (otaly), f68v3 Sides #2 (ceeody), Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, kar, otar), Rosette #3 Outer Ring Sentence #2 (okal)	0.16061
7	f104r #6	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (kary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp]ai0-4[rn] (opair), [yo]dy endings (ceeody), ce4a (ceear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4dy (qokcedy), o-axis of [yo][fptk][ao][lr] (otor), oc[fptk]e4y (qocteey), otar variants (qotar, otar)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #2 (ockey), f68v3 Sides #2 (ceeody), Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Diagram Interior #3 (kary), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (ykol)	0.15825
8	f108v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (okeody), ce4a (cseeal, ceear), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk | dlrsmg][ao]m (otam), o[lr][yoa] (olor), o[tk]e0-4y (okey, ceoteey, oteey, qokeey, ykeey, okeey), oce4y + infixed versions (oceey), okal variants (qokal), olcey relative (olceey), otal variants (otal)	f67v2 East-Oriented Text (dcseog, oky), f68r3 Star Quadrant #2 (ockey), f68v1 Exterior Stars #4 (otaly), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, kar, okody, okom, qokal), Rosette #3 Outer Ring Sentence #2 (olceedy)	0.15744
9	f113v #5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), cteo-initial (cteor), o[fptk]c + e0-4dy (qokceedy, otcedy), o[tk]e0-4y (okeey), o-axis of [yo][fptk][ao][lr] (qotor), okal variants (okal), okar variants (qokar), okol variants (okol), ol[tk] (olkar), olcey relative (olceedy), orai0-4n (oraiin), otar variants (otar)	f67v2 East-Oriented Text (dcseog, oky), f68v3 Stars #2 (okol), f69r Labeled Interior Bar #2 (cteor), Rosette #2 Castle #4 On Bridge to #3 (otcedy), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (okar, olkar, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (okal, olceedy, ykol)	0.15502
10	f112v #13	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kar), [yo][fp]a (opal), cedai4[lrsm | n] (cedal), ek[yoa] (ceeky), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (otceey, opcey), o[tk]e0-4y (oty, ykeey), oa (oar), okal variants (okal), ol[tk] (olkaiin), otar variants (otar), otol variants (otol)	f67v2 East-Oriented Text (dcseog, oafoaly, oky), f68v1 Exterior Stars #4 (otol), f69r Labeled Interior Bar #2 (ary), Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Outer Ring Sentence #1 (cedar, kar, okcsey, olkocpe, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (cseekal, okal)	0.15498
11	f115v #1	cedai4[lrsm | n] (cedar), ek[yoa] (ceeky), o[fptk]c + e0-4dy (okcedy, qokcedy, qokceedy, qokcseedy, otceedy, ytceedy), o[fptk]c +	f67v2 East-Oriented Text (oky), f68r3 Star Quadrant #3 (qoteey), Rosette #3 Diagram Interior #3 (okcedy), Rosette #3 Outer Ring Sentence	0.15290

		e0-4y (qotceey), o[tk]e0-4y (qoteey, qoty), okar variants (qokar), om (om), otar variants (otar, qotar)	#1 (cedar, okar, okcsey, okom, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (cseekal)	
12	f113v #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeos), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (ceeody), o[lr]a (olal), okar variants (qokar, okar), otal variants (otal), otar variants (otar)	f67v2 East-Oriented Text (dcseog), f68v1 Exterior Stars #4 (otaly), f68v3 Sides #2 (ceeody), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (kar, okar, otar)	0.15261
13	f106v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey, okcsey), okal variants (okal), okar variants (qokar), okol variants (qokol), orai0-4n (oraiin)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #3 (qokol), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, okar, okcsey, qotcedy), Rosette #3 Outer Ring Sentence #2 (okal)	0.14926
14	f107r #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceo), o[fptk | dlrsmg][ao]m (otam), o[fptk]c + e0-4dy (opceedy), oe sans oy + oe4y, oe0-4s (oeedy), okal variants (okal, qokal), ol[tk] (olkar), ora (orar), otal variants (otal), otar variants (otair)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #3 (ceo), f68v1 Exterior Stars #4 (otaly), f68v3 Stars #2 (cseoekeary), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (okom, olkar, otar, qokal, qotcedy), Rosette #3 Outer Ring Sentence #2 (okal)	0.14807
15	f114r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp]ai0-4[rn] (opaiin), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), cedai4[lrsm | n] (ceedal, cedar), do (dor), o[fptk]c + e0-4dy (qotcedy), o[fptk]c + e0-4y (qotceey), ora (oral), otal variants (ceotal), otar variants (qotar), qo variants (qo)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #3 (ceo), f68v1 Exterior Stars #4 (otaly), f68v3 Sides #2 (ceeody, qo), f68v3 Stars #2 (dom), Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, okcsey, otar, qotcedy)	0.14632
16	f108r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4dy (qokceedy), o[fptk]c + e0-4y (okceey), o[tk]e0-4y (okeey, oteey, qokeey), okar variants (okar), otol variants (otol), qo variants (qo)	f67v2 East-Oriented Text (dcseog, oky), f68v1 Exterior Stars #4 (otol), f68v3 Sides #2 (qo), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, okar, okcsey, qotcedy)	0.14587
17	f111v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4o (okeeo), ce4a (cseal, ceear), cedai4[lrsm | n] (ceedar), g (g), kc-initial (kcey), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (okeey, okeeey, qokeey), oa (oaiin), okal variants (qokal), okar variants (okar), otal variants (otal), otar variants (otar), qo variants (qo)	f67v2 East-Oriented Text (dcseog, oafoaly, oky), f68r3 Star Quadrant #2 (kcey), f68r3 Star Quadrant #3 (ceo), f68v1 Exterior Stars #4 (otaly), f68v3 Sides #2 (qo), f69r Labeled Interior Bar #1 (okeeo), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, okar, okceegy, okcsey, otar, qokal)	0.14401
18	f104r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeos), [yo]dy endings (yceeeody), cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (opcedy, otcedy, otceedy), o-axis of [yo][fptk][ao][lr] (okor), okal variants (qokal), okar variants (qokar, okar), okol variants (qokol), otar variants (otar), yodai0-4r (odar)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #3 (qokol), Rosette #2 Castle #4 On Bridge to #3 (otcedy), Rosette #3 Outer Ring Sentence #1 (cedar, okar, okody, otar, qokal, qotcedy), Rosette #3 Outer Ring Sentence #2 (otodar, ykol)	0.14101
19	f112v #1	[yo][fp]a (opal), ce4a (ceear), o[fptk | dlrsmg][ao]m (qotam), o[tk]e0-4y (qokeey, qoky, okeey, okey, oteey, oty), oa (oaiin, oar), oe0-4s (osal), okal variants (qokal), orai0-4n (oraiin), otal variants (otal), qo variants (qo)	f67v2 East-Oriented Text (oafoaly, oky), f68v1 Exterior Stars #4 (otaly), f68v2 Star Divider #2 (ycseesos), f68v3 Sides #2 (qo), Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cseal, okom, qokal)	0.13710
20	f112v #2	cedai4[lrsm | n] (opcedar), eka (ceekaiiin), o[fptk]c + e0-4dy (okceedy, qokcedy), oa (soaiin), o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar), or[yoa] (oror), otal variants (otal)	f67v2 East-Oriented Text (oafoaly), f68v1 Exterior Stars #4 (otaly), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, okar, qotcedy), Rosette #3 Outer Ring Sentence #2 (cseekal, okal, ykol)	0.13654
		Rosette #4		
1	f108v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo]dy endings (okeody), ce4a (cseeal, ceear), ceckey relatives (ceeckey, ceckeey), cedai4[lrsm | n] (ceedaiin, ceedar), dcedy relatives (dcseedy), o[dlrs]ce4y Superset (olceey), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okain, qokain), o[fptk]e4dy (qotedy, okeedy, otedy, oteedy, qokedy, qokeedy), o[lr]o (olor), o[tk]e0-4y (okeey, okey, qokeey, oteey, ceoteey, ykeey), oce4y + infixed versions (oceey), okal variants (qokal), otai0-4n (qotaiin, otaiin), otal variants (otal), yodai0-4n (cseodain)	f67v2 Diagram Exterior 2 (okeey), f68r3 Star Quadrant #4 Star #2 (ceockey), f85r2 Quadrant 2 (ceckeey), f86v3 Jet Figure #2 (ceeeor, dcseedy, otaiin, oteey, qokeey, qotaiin, ytaiin), Rosette #4 Compartment #1 (cseodaiiin, okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (opam, opceody, orcsey, oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceckey, oror, otal, otedy), Rosette #4-5 Bridge #2 (cseeal)	0.22647
2	f112r #2	[tk]c-Initial (tceedy), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, okeedy, qokedy), o[tk]e0-4y (qokeey, qoteey, okeey, oteey, otey), otai0-4n (otaiin)	f67v2 Diagram Exterior 2 (okeey), f85r2 Quadrant 2 (otceedy, tceedy), f86v3 Jet Figure #2 (otaiin, oteey, qokeey, qoteey), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #8 (ceeyky)	0.21769
3	f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal), okar variants (okar), otal variants (otal)	f86v3 Jet Figure #2 (ceeeor, ytaiin), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Outer Ring (ceckey, okar, otal, otedy)	0.21622
4	f107v #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal), okar variants (qokar), otai0-4n (qotaiin, otain), otal variants (otal), otol variants (otol), yodai0-4r (odar)	f67v2 Diagram Exterior 2 (okeey), f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qokar, qotaiin), f86v3 Jet Figure #2 (ceeeor, qokaiin, qokeey, ytaiin), Rosette #4 Compartment #4 (opam, opceody), Rosette #4 Compartment #5 (otol), Rosette #4 Compartment #7 (opcedy, qokal), Rosette #4 Outer Ring (odar, otal)	0.20451
5	f111r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4o (okeeo), [yo][fptk]e4od + y (qokeody), [yo]dy endings (oteody, ceody), ce4a (cear), ceckey relatives (ceckeey, ceckey), cedai4[lrsm | n] (ceedar), eka (cseekal), eky (ceeky), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (qokain, okain), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, okeedy), o[tk]e0-4y (qokeey, qoteey, qoky, otey, oty, ykeey, oteey, okeey, okey), o[tk]e4s (otes), oa (soaiin, oaiin), oce4y + infixed versions (oceey), ocke4y (ockey), oe0-4s (ceeos), oi (oir), okar variants (okar), olai0-4n (olaiiin), om (om), or[yoa] (oraiin, orain), otar variants (otar), yodai0-4n (odaiin)	f67v2 Diagram Exterior 2 (okeey, osalal), f67v2 Protrusion #3 (cear), f68r3 Star Quadrant #2 (ockey), f68r3 Star Quadrant #4 Star #2 (ceockey), f68v3 Sides #3 (qokeody), f69r Labeled Interior Bar #4 (okeeo), f85r2 Quadrant 2 (ceckeey, qotcedy), f86v3 Jet Figure #2 (ceeeor, om, oteey, qokeey, qoky, qotceey, qoteey, ytaiin), Rosette #4 Compartment #1 (ceeky, okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #4 (olaiiin, opam, opceody, oteedy), Rosette #4 Compartment #7 (opcedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceckey, ceekaiiin, odaiin, oiiin, okar, okees, oror, otar, otedy)	0.20238
6	f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), do (dody), o[fptk][ao]d (okody), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[tk]e0-4y (oteey, qokeey, oty, okeeey, okeey), oa (oar), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair), otod variants (otody), yodai0-4n (qodain)	f67v2 Diagram Exterior 2 (okeey), f67v2 Protrusion #3 (oar), f68v3 Sides #3 (ody), f86v3 Jet Figure #2 (ceeeor, otaiin, oteey, qokeey, qotaiin), Rosette #4 Compartment #1 (cseodaiiin, qokcey), Rosette #4 Compartment #3 (dor), Rosette #4 Compartment #4 (olaiiin, oteedy), Rosette #4 Compartment #7 (opcedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceedal, otal, otar, otodeed)	0.19951
7	f116r #6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), aro[dlrsmg] (arody), ce4a (cseeal, ceear), ceckey relatives (ceckey), do (dol), eky (cseeky), o[fptk | dlrsmg][ao]m (qotam), o[fptk]ai4n (qokaiin, qokain, okain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (okeedy, otedy, oteedy, oteeedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, qoky, oteey, otey, oty, okey, qoty), oi (oiin), okal variants (okal, okalain, okaly, qokal), okar variants (okar), ola (olar), or[yoa] (orain), ory (ory), otai0-4n (otain), otal variants (otal), otar variants (otar, qotar)	f57v Diagram Center #2 (okaly), f68v3 Sides #3 (okal), f68v3 Stars #2 (cseeky), f85r2 Quadrant 2 (qotaiin), f86v3 Jet Figure #2 (ceeeor, oteey, qokaiin, qokeey, qoky, qoty, ytaiin), Rosette #4 Compartment #1 (okeedy, ory), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #3 (dor), Rosette #4 Compartment #4 (olaiiin, opam, oteedy), Rosette #4 Compartment #6 (oparod), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (ceckey, oiiin, okalol, okar, oror, otal, otar, otecseey, otedy), Rosette #4-5 Bridge #2 (cseeal)	0.19951
8	f111v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4o (okeeo), ce4a (ceear, cseal), ceckey relatives (ceckeey, ceckey, ceeckey), cedai4[lrsm | n] (ceedar), g (g), kc-initial (kcey), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, okedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (qokeey, okeeey, okeey), oa (oaiin), okal variants (qokal), okar variants (okar), otai0-4n (otain, qotaiin), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (okeey), f69r Labeled Interior Bar #4 (okeeo), f85r2 Quadrant 2 (ceckeey, qotaiin), f86v3 Jet Figure #2 (ceeeor, otceey, qokaiin, qokeey, ytaiin), Rosette #4 Compartment #2 (kcey, qokedy), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceckey, okar, otal, otar, otedy), Rosette #4-5 Bridge #2 (cseeal, g)	0.18940
9	f103r #8	ceckey relatives (ceckeey), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4y (qotcey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky), okal variants (qokal), opce0-4dy (opceedy)	f67v2 Diagram Exterior 2 (okeey), f85r2 Quadrant 2 (ceckeey), f86v3 Jet Figure #2 (oteey, qotcey, ytaiin), Rosette #4 Compartment #3 (oky), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky, opceedy), Rosette #4 Outer Ring (ceedal)	0.18122
10	f104r #11	[yo]dy endings (oteody), o[fptk]ai4n (qokaiin, okaiin), o[fptk]c + e0-4dy (qotcedy), okal variants (okal), okar variants (okar), opam variants (opam), or[yoa] (oraiin), otar variants (qotar)	f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qotcedy), f86v3 Jet Figure #2 (qokaiin, ytaiin), Rosette #4 Compartment #4 (opam, opceody), Rosette #4 Outer Ring (okar, oror, otar)	0.17746
11	f114v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4od + y (qoteeody), [yo]dy endings (ceeody), aro[dlrsmg] (arody), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin, qokaiin), o[fptk]c + e0-4y (qotceey, otceey), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeey, oteey), okal variants (okal), okar variants (qokar), otai0-4n (qotaiin, otaiin, otain), otal variants (otal), otar variants (qotar), yodai0-4n (odaiin)	f67v2 Diagram Exterior 2 (okeey), f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qokar, qotaiin), f86v3 Jet Figure #2 (ceeeor, otaiin, otceey, oteey, qokaiin, qotceey, qoteeody, ytaiin), Rosette #4 Compartment #4 (opam, opceody), Rosette #4 Compartment #6 (oparod), Rosette #4 Outer Ring (odaiin, okedaiin, otal, otar)	0.17417
12	f107v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]c + e4dy (oceedy), [yo]dy endings (ceody), eky (ceeky), kc-initial (kcey), o[fptk]ai4n (qokaiin, qokain), o[fptk]e4dy (qokedy, otedy), oe0-4s (oteos), okar variants (qokar), ol[tk] (olkair), otai0-4n (otaiin), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (osalal), f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, oceedy, otaiin, qokaiin, ytaiin), Rosette #4 Compartment #1 (ceeky), Rosette #4 Compartment #2 (kcey, qokedy), Rosette #4 Compartment #4 (opceody), Rosette #4 Outer Ring (olkar, otal, otar, otedy)	0.17085
13	f108r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4dy (qokceedy), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (okedy, qokedy, qokeedy, otedy, qotedy), o[tk]e0-4y (oteey, qokeey, okeey), okar variants (okar), otol variants (otol)	f67v2 Diagram Exterior 2 (okeey), f67v2 Protrusion #3 (cear), f86v3 Jet Figure #2 (ceeeor, oteey, qokeey), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #5 (otol), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (cecedam, okar, otecseey, otedy)	0.17070
14	f108r #14	cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, yteedy, okedy), o[tk]e0-4y (okeey, qokeey)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (qokaiin, qokeey), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Outer Ring (cecedam, otedy)	0.17062
15	f113v #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin), oe0-4s (ceeos), okar variants (qokar, okar), ola (olal), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (osalal), f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, qokaiin, ykaiin, ytaiin), Rosette #4 Compartment #4 (olaiiin, opceody), Rosette #4 Outer Ring (okar, otal, otar)	0.16895
16	f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y + infixed versions (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk | dlrsmg][ao]m (otam), o[fptk]e4dy (otedy, oteedy, okedy, okeedy, qotedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, okeey, okey), okar variants (qokar, okar), ola (olal), otai0-4n (otain)	f67v2 Diagram Exterior 2 (okeey), f68r3 Star Quadrant #4 Star #2 (ceockey), f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, qokeey, qotaiin), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (olaiiin, opam, opceody, oteedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, ceedal, okar, otedy)	0.16781

17	f106v #15	[yo][fptk]e4o (okeeo), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (okain, qokaiin), o[fptk]e4dy (qokeedy, otedy, oteedy), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeeey, ceeyky, oteey, okeey, oky, oty), okal variants (okal), otai0-4n (otaiin), otar variants (ytar), otol variants (otol), yodai0-4n (odaiin)	f67v2 Diagram Exterior 2 (okeey), f68v3 Sides #3 (okal), f69r Labeled Interior Bar #4 (okeeo), f86v3 Jet Figure #2 (otaiin, oteey, qokaiin, ytaiin), Rosette #4 Compartment #3 (oky), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #5 (otol), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (cecedam, odaiin, okedaiin, otar, otedy)	0.16601
18	f103r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ety (cseety), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy, qokedy), o[tk]e0-4y (oteey, okeey), okal variants (qokal), opce0-4dy (opceedy), or[yoa] (oraiin)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (ceeeor, oteey, ytaiin), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (cseety, opceedy), Rosette #4 Outer Ring (oror, otedy)	0.16497
19	f112v #2	cedai4[lrsm | n] (opcedar), eka (ceekaiiin), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (qokcedy, okceedy), oa (soaiin), o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar), oro (oror), otai0-4n (otaiin), otal variants (otal)	f68v3 Sides #3 (okal), f86v3 Jet Figure #2 (otaiin, ytaiin), Rosette #4 Compartment #1 (okol), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (cecedam, ceekaiiin, okar, oror, otal)	0.16488
20	f104r #2	[yo]c + e4ody (yceeeody), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (otcedy, otceedy), o[fptk]e4dy (qokeedy), o-axis of [yo][fptk][ao][lr] (okor), oe0-4s (cseeos), okal variants (qokal), okar variants (qokar, okar), okol variants (qokol), opce0-4dy (opcedy), otai0-4n (qotaiin), otar variants (otar), yodai0-4n (qodain, odaiin), yodai0-4r (odar)	f85r2 Quadrant 2 (cseeos, otceedy, qokar), f86v3 Jet Figure #2 (qokaiin, qotaiin, yceeeody), Rosette #4 Compartment #1 (cseodaiiin, okol), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (opcedy, qokal), Rosette #4 Outer Ring (ceedal, odaiin, odar, okar, otar)	0.16429
		Rosette #5		
1	f111r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4od + y (qokeody), [yo]dy endings (oteody, ceody), c | cs + e0-4[dlrsmg] (cseed), ce4a (cear), ceckey relatives (ceckeey, ceckey), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky), eka (cseekal), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, okeedy), o[lr]a (oraiin, orain), o[tk]e0-4y (oteey, otey, oty, qokeey, qoky, qoteey, okeey, okey, ykeey), oe0-4s (ceeos), okar variants (okar), ola (olaiiin), om + o[fptk | dlrsmg]am (om, otam), otar variants (otar), so (soaiin), yodai0-4n (odaiin)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey, qokeody), f69r Labeled Interior Bar #5 (okey, sol), Rosette #4-5 Bridge #1 (okar), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, odaiiin, oekaiiin, osain, otar, yky), Rosette #5-6 Bridge #1 (cseed)	0.24550
2	f116r #6	[ao][lr][ao][lr] Pipe/Flow (olar), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]e0-4y (keey), aro[dlrsmg] (arody), ce4a (cseeal, ceear), ceckey relatives (ceckey), do (dol), ek[yoa] (cseeky), o[fptk]c + e0-4 + y | dy | o[dlrs]y (ytceey), o[fptk]e4dy (okeedy, otedy, oteedy, oteeedy, qokedy, qokeedy), o[lr][yoa] (ory), o[lr]a (orain), o[tk]e0-4y (okey, qokeey, qoky, oteey, otey, oty, qoty), okal variants (qokal, okal, okalain, okaly), okar variants (okar), om + o[fptk | dlrsmg]am (qotam), otar variants (qotar, otar)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (keey, qokal), f69r Labeled Interior Bar #5 (okey), f69r Labeled Interior Bar #7 (doceeeo), Rosette #4-5 Bridge #1 (okar), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (oekaiiin, okal, okalar, otar, sarol, yky)	0.24298
3	f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [fptk]e0-4y (keey), [yo]dy endings (ody, dody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[fptk]ody (otody), o[tk]e0-4y (oty, oteey, okeeey, okeey, qokeey), okod variants (okody), ola (olaiin), otar variants (otair, otar), x (xar), yodai0-4n (qodain)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol, qokcey), f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (keey), f69r Labeled Interior Bar #5 (tam), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, odaiiin, ody, okody, otar, xdor, yky)	0.24009
4	f108v #8	[ao][lr][ao][lr] Pipe/Flow (olor), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (okeody), ce4a (cseeal, ceear), ceckey relatives (ceeckey, ceckeey), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]e4dy (okeedy, otedy, oteedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (ykeey, qokeey, oteey, okey, okeey, ceoteey), okal variants (qokal), om + o[fptk | dlrsmg]am (otam), yodai0-4n (cseodain)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (qokal), f69r Labeled Interior Bar #5 (okey, tam), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, odaiiin, sarol, yky)	0.22610
5	f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal), okar variants (okar)	f68r3 Star Quadrant #5 (dcseol), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy)	0.21034
6	f108r #14	[fptk]e0-4y (keey), cedai4[lrsm | n] (cedar), o[fptk]e4dy (okedy, yteedy, otedy, oteedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, okeey)	f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (keey), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (yky)	0.19440
7	f108r #13	[ao][lr][ao][lr] Pipe/Flow (olal), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (qotedy, otedy, oteedy, qokedy, qokeedy, okedy, okeedy), o[tk]e0-4y (okeey, okey, qokeey), okar variants (qokar, okar), om + o[fptk | dlrsmg]am (otam)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f69r Labeled Interior Bar #5 (okey), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, okair, sarol, yky)	0.19128
8	f108v #2	cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, okedy, okeedy, qokedy, qokeedy), o[fptk]edal (otedal), o[tk]e0-4y (otey, oty, okeey, qokeey), okal variants (qokal, okal), okar variants (okar, qokar, okair), ol[tk] (ceolkain), om + o[fptk | dlrsmg]am (om)	f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (okair, okal, okedal, olky, yky)	0.18855
9	f111v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), c | cs + e0-4[dlrsmg] (cseed), ce4a (cseal, ceear), ceckey relatives (ceeckey, ceckeey, ceckey), cedai4[lrsm | n] (ceedar), g (g), kc-initial (kcey), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceey), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, qotedy, okedy), o[tk]e0-4y (okeeey, okeey, qokeey), okal variants (qokal), okar variants (okar), otar variants (otar)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #1 (okar), Rosette #4-5 Bridge #2 (cseeal, g), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (kceedy, otar, otedy, yky), Rosette #5-6 Bridge #1 (cseed)	0.18669
10	f108r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okceey), o[fptk]c + e0-4dy (qokceedy), o[fptk]e4dy (qokedy, qokeedy, otedy, qotedy, okedy), o[tk]e0-4y (okeey, oteey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), Rosette #4-5 Bridge #1 (okar), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (otedy, yky)	0.18134
11	f106v #15	[fptk]e0-4y (keey), cedai4[lrsm | n] (ceedar), o[fptk]e4dy (otedy, oteedy, qokeedy), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeeey, okeey, oky, oteey, ceeyky, oty), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), otar variants (ytar), yodai0-4n (odaiin)	f67v2 South-Oriented Text (okolarm), f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (keey), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (odaiiin, okal, okedaiiin, otar, otedy, yky)	0.16327
12	f108r #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedal, cedar), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (okedy, qotedy, qokedy, qokeedy), o[fptk]eda[lrsm | n] (okedam), o[tk]e0-4y (qokeey, okeey), okal variants (qokal, okal)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (okal, okedair, yky)	0.16266
13	f115v #1	cedai4[lrsm | n] (cedar), ek[yoa] (ceeky), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (qokcedy, qokceedy, qokcseedy, ytceedy, okcedy, otceedy), o[fptk]e4dy (yteedy, qokeedy, qotedy), o[tk]e0-4y (qoteey, qoty), okar variants (qokar), om + o[fptk | dlrsmg]am (om), otar variants (otar, qotar)	Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (oekaiiin, okair, otar, yky)	0.16197
14	f112r #9	[yo]dy endings (okeody), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey, qoky), okal variants (okal)	f68v1 Exterior Stars #5 (okeey), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Outer Ring (keeody, okal, yky)	0.16048
15	f106v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), c | cs + e0-4[dlrsmg] (csed), ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), dl Consonant clusters (odl), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcsey), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (okeedy), o[lr]a (oraiin), okal variants (okal), okar variants (qokar), okol variants (qokol)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol, otgoldl, qokcey), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (okair, okal), Rosette #5-6 Bridge #1 (cseed)	0.15386
16	f103v #11	[yo]dy endings (ceeody), c | cs + e0-4[dlrsmg] (csed), ceckey relatives (ceeckey), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opceey, qokcseey), o[fptk]e4dy (otedy, okedy), o[tk]e0-4y (okeey, okey, otey, oty, qokeey, ykeey), ol[yoa] (oly)	f67v2 South-Oriented Text (okolarm), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey), f69r Labeled Interior Bar #5 (okey), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Outer Ring (keeody, otedy, yky), Rosette #5-6 Bridge #1 (cseed)	0.15147
17	f115r #11	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]e0-4y (keey), [yo]dy endings (ceeody), do (dor), kc-initial (kceedy), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okceey), o[fptk]c + e0-4y (qokcey), o[tk]e0-4y (qoty), oe0-4s (ceeos), so (sol), yodai0-4n (qodain)	f68r3 Star Quadrant #5 (dcseol, qokcey), f68v3 Stars #3 (keey), f69r Labeled Interior Bar #5 (sol), f69r Labeled Interior Bar #7 (doceeeo), Rosette #5 Compartment #3 (okcedy), Rosette #5 Outer Ring (kceedy, keeody, odaiiin, osain, yky)	0.14773
18	f104r #2	[yo]dy endings (yceeeody), cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (opcedy, otcedy, otceedy), o[fptk]e4dy (qokeedy), o-axis of [yo][fptk][ao][lr] (okor), oe0-4s (cseeos), okal variants (qokal), okar variants (qokar, okar), okol variants (qokol), otar variants (otar), yodai0-4n (odaiin, qodain)	f67v2 South-Oriented Text (okolarm), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, odaiiin, okair, osain, otar, otcedy)	0.14772
19	f103r #8	ceckey relatives (ceckeey), cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotcey), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky), okal variants (qokal)	f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (qokal), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (yky)	0.14747
20	f104r #11	[yo]dy endings (oteody), [yo]pa (opam), o[fptk]c + e0-4dy (qotcedy), o[lr]a (oraiin), okal variants (okal), okar variants (okar), otar variants (qotar)	f67v2 South-Oriented Text (okolarm), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #3 (okcedy), Rosette #5 Outer Ring (keeody, okal, opar, otar)	0.14723
		Rosette #6		
1	f108v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [tk]e4dy (tedy), [yo]dy endings (okeody), a[dlrsmg]am (dalam), ce4a (cseeal, ceear), ceckey relatives (ceeckey, ceckeey), cedai4[lrsm | n] (ceedaiin, ceedar), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[fptk]ai4n (okain, qokain), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, okeedy, qotedy), o[tk]e0-4y (okeey, okey, ceoteey, qokeey, oteey, ykeey), oce4y (oceey), okal variants (qokal), ol[yoa] (olor), olcey relative (olceey), om + o[fptk | dlrsmg]am (otam), otai0-4n (otaiin, qotaiin), yodai0-4n (cseodain)	f68r3 Star Quadrant #4 (okey), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (tedy), f86v3 Jet Figure #3 (ceear, lkam, otaiin, qokal, qotaiin), Rosette #6 Compartment #4 (opdaram), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Compartment #8 Label #7 (opcedam), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (ceckey, odaiiin, olceedy), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge #2 (oteey)	0.19751
2	f112r #1	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (dody, ody), cedai4[lrsm	f67v2 Diagram Exterior 3 (dam, toal), f68r3 Star Quadrant #5 (qokcey), f68r3 Star Quadrant #6 Star #3 (oty), f68v3 Stars #3 (keey), f69r	0.19658

		| n] (ceedal, ceedar), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[fptk]ody (otody, okody), o[tk]e0-4y (oty, qokeey, oteey, okeeey, okeey), oa (oar), ol[yoa] (olaiin), otai0-4n (otaiin, otain), otar variants (otair, otar), x (xar), yodai0-4n (qodain)	Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (qodain), f86v3 Jet Figure #3 (okeeey, otaiin, qotaiin), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (otar, otody, xar), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge #2 (oteey)	
3	f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal), okar variants (okar)	f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (qokal, qotaiin), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (ceckey)	0.19634
4	f111r #2	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol), [yo][fptk]e4o (okeeo), [yo]dy endings (oteody, ceody, qokeody), c | cs + e0-4[dlrsmg] (cseed), ce4a (cear), ceckey relatives (ceckeey, ceckey), cedai4[lrsm | n] (ceedar), ek[yoa] (cseekal), eky (ceeky), faceys relatives (ackey), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy), o[lr][yoa] (oraiin, orain), o[tk]e0-4y (okeey, okey, oteey, otey, oty, qokeey, qoky, qoteey, ykeey), o[tk]e4s (otes), oa (oaiin, soaiin), oce4y (oceey), oce4y + infixed versions (ockey), oe0-4s (ceeos), okar variants (okar), ol[yoa] (olaiiin), olcey relative (olceedy), om (om), om + o[fptk | dlrsmg]am (otam), otar variants (otar), yodai0-4n (odaiin)	f67v2 Diagram Exterior 3 (daly, dam, toal), f68r3 Star Quadrant #4 (okey), f68r3 Star Quadrant #6 Star #3 (oty), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (otees), f86v3 Jet Figure #3 (ceear, qotaiin, qoteey, yteeo), Rosette #5-6 Bridge #1 (cseed), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #7 (oparom, otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Compartment #8 Label #7 (opcedam), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (ackey, ceckey, odaiiin, olceedy, otar), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge #1 (depceeky), Rosette #6-7 Bridge #2 (oteey), Rosette #6-7 Bridge Interior West (osy)	0.19086
5	f116r #6	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]e0-4y (keey), aro[dlrsmg] (arody), ce4a (cseeal, ceear), ceckey relatives (ceckey), eky (cseeky), o[fptk]ai4n (okain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, oteeedy, okeedy), o[lr][yoa] (orain), o[lr]y (ory), o[tk]e0-4y (oteey, otey, oty, qokeey, qoky, okey, qoty), okal variants (okal, okalain, okaly, qokal), okar variants (okar), ol[yoa] (olar), om + o[fptk | dlrsmg]am (qotam), otai0-4n (otain), otar variants (otar, qotar)	f67v2 Diagram Exterior 3 (daly), f68r3 Star Quadrant #4 (okey), f68r3 Star Quadrant #6 Star #3 (oty), f68v3 Stars #3 (keey), f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (arody), f86v3 Jet Figure #3 (ceear, qokal, qotaiin, qotar, ytceey), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Compartment #8 Label #7 (opcedam), Rosette #6 Outer Ring (ceckey, okal, otar), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge #1 (depceeky), Rosette #6-7 Bridge #2 (oteey)	0.18487
6	f111v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]e4dy (tedy), [yo][fptk]e4o (okeeo), c | cs + e0-4[dlrsmg] (cseed), ce4a (cseal, ceear), ceckey relatives (ceeckey, ceckeey, ceckey), cedai4[lrsm | n] (ceedar), Consonant Clusters (ls), g (g), kc-initial (kcey), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceey), o[fptk]e4dy (otedy, oteedy, okedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (qokeey, okeeey, okeey), oa (oaiin), okal variants (qokal), okar variants (okar), otai0-4n (otain, qotaiin), otar variants (otar)	f67v2 Diagram Exterior 3 (toal), f68r3 Star Quadrant #6 Star #3 (dg), f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (tedy), f86v3 Jet Figure #3 (ceear, kcsed, lkam, okeeey, qokal, qotaiin, yteeo), Rosette #5-6 Bridge #1 (cseed), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (ceckey, otar, otegar), Rosette #6-7 Bridge #2 (oteey)	0.17631
7	f104r #11	[yo]dy endings (oteody), [yo]pa (opam), o[fptk]ai4n (okaiin, qokaiin), o[fptk]c + e0-4dy (qotcedy), o[lr][yoa] (oraiin), okal variants (okal), okar variants (okar), otar variants (qotar)	f86v3 Jet Figure #3 (qotaiin, qotar), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (okal), Rosette #6 Picatrix-Like Attachment (opacseeefcedy, oteoly)	0.17098
8	f107v #5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp]ai0-4[rn] (opaiin), [yo]dy endings (qokeody), ceckey relatives (ceckey), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, qokain), o[fptk]e4dy (otedy), okal variants (okal), okar variants (qokar), ol[yoa] (olaiin), otai0-4n (otaiin)	f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (lkam, otaiin, qotaiin), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #7 (oparom, otedy), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (ceckey, okal), Rosette #6 Picatrix-Like Attachment (oteoly)	0.16873
9	f106v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), c | cs + e0-4[dlrsmg] (csed), ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcsey), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (okeedy), o[lr][yoa] (oraiin), o-axis of [yo][fptk][ao][lr] (qokol), od[fptk | dlrsmg] (odl), okal variants (okal), okar variants (qokar), otai0-4n (qotaiin)	f67v2 Diagram Center #4 (okoral), f68r3 Star Quadrant #5 (qokcey), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (cedal, ceear, qotaiin), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #8 Label #2 (lokedcses), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (okal), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge Interior East (odl)	0.16418
10	f107v #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), a[dlrsmg]am (dalam), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), okar variants (qokar), om + o[fptk | dlrsmg]am (otam), otai0-4n (otain, qotaiin), yodai0-4r (odar)	f67v2 Diagram Center #4 (okoral), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (ceeody, qokal, qotaiin), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #4 (opdaram), Rosette #6 Compartment #8 Label #7 (opcedam), Rosette #6 Outer Ring (okal), Rosette #6 Picatrix-Like Attachment (odar), Rosette #6-7 Bridge #2 (oteey)	0.16351
11	f112r #2	[tk]c-Initial (tceedy), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, qokedy, okeedy), o[tk]e0-4y (okeey, qokeey, qoteey, oteey, otey), otai0-4n (otaiin)	f86v3 Jet Figure #3 (otaiin, otceedy, qoteey, tceedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6-7 Bridge #2 (oteey)	0.16253
12	f104r #2	[dlrsmg]ai4m (dam), [yo]c + e4o Superclass (yceeeody), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (otcedy, otceedy), o[fptk]e4dy (qokeedy), o-axis of [yo][fptk][ao][lr] (qokol), oe0-4s (cseeos), okal variants (qokal), okar variants (qokar, okar), okor variants (okor), opce0-4dy (opcedy), otai0-4n (qotaiin), otar variants (otar), yodai0-4n (qodain, odaiiin), yodai0-4r (odar)	f67v2 Diagram Center #4 (okoral), f67v2 Diagram Exterior 3 (dam), f85r2 Quadrant 3 (qodain), f86v3 Jet Figure #3 (otceedy, qokal, qotaiin), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #6 (otcedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (odaiiin, otar), Rosette #6 Picatrix-Like Attachment (odar, opacseeefcedy), Rosette #6-7 Bridge Interior West (osy)	0.16237
13	f108r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4dy (qokceedy), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (okedy, qokedy, qokeedy, otedy, qotedy), o[tk]e0-4y (oteey, qokeey, okeey), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	f67v2 Diagram Center #4 (okoral), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (ceear, okceey, qokceedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6-7 Bridge #2 (oteey)	0.15593
14	f106r #15	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ce4a (cear), cedai4[lrsm | n] (cedal), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[fptk]ai4n (okain, qokaiin, qokain), o[fptk]e4dy (qokeedy, otedy), o[tk]e0-4y (oty, qoteey, qoty, oky), okal variants (okal), ol[tk] (olkair), otai0-4n (otaiin), otar variants (otair, otar), yodai0-4n (cseodaiin)	f68r3 Star Quadrant #6 Star #3 (oty), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (cedal, ceear, lkam, otaiin, qotaiin, qoteey), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Compartment #8 Label #6 (xoltody), Rosette #6 Outer Ring (odaiiin, okal, otar), Rosette #6-7 Bridge #2 (oteey)	0.15383
15	f108r #14	[fptk]e0-4y (keey), cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, okedy, otedy, oteedy, yteedy), o[tk]e0-4y (okeey, qokeey)	f68v3 Stars #3 (keey), f86v3 Jet Figure #3 (qotaiin), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6-7 Bridge #2 (oteey)	0.15131
16	f107r #2	[tk]e4dy (tedy), [tk]e4o (teeody), ceckey relatives (ceckey), cedai4[lrsm | n] (ceedaiin), o[fptk]ai4n (okaiin, ytaiin, qokain), o[fptk]c + e0-4dy (okceedy), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (okeedy, qokeedy), o[tk]e0-4y (qoteey, oteey), okar variants (qokar), otai0-4n (otaiin), otar variants (otar)	f85r2 Quadrant 3 (tedy), f86v3 Jet Figure #3 (okceey, otaiin, qotaiin, qoteey, teeody), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (ceckey, otar), Rosette #6-7 Bridge #2 (oteey)	0.14997
17	f113v #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (qokaiin, okaiin, okain, ykaiin), oe0-4s (ceeos), okar variants (qokar, okar), ol[yoa] (olal), otar variants (otar)	f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (ceeody, qotaiin), Rosette #6 Compartment #3 (okar), Rosette #6 Outer Ring (otar), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge Interior West (osy)	0.14967
18	f103r #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), ep[yoa] (ceepar), o[fptk]ai4n (okain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opcey), o[fptk]e4dy (okedy, qokeedy), o[tk]e0-4y (qoky), okal variants (qokal, okaly), otar variants (otar, qotar)	f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (qokal, qotaiin, qotar), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (ceckey, ceepar, okal, otar), Rosette #6-7 Bridge #2 (oteey)	0.14883
19	f114v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody, qoteeody), aro[dlrsmg] (arody), o[fptk]ai4n (okaiin, qokaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceey, qotceey), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeey, oteey), okal variants (okal), okar variants (qokar), om + o[fptk | dlrsmg]am (otam), otai0-4n (otaiin, otain, qotaiin), otar variants (qotar), yodai0-4n (odaiin)	f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (arody), f86v3 Jet Figure #3 (ceeody, otaiin, qotaiin, qotar), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #4 (opdaram), Rosette #6 Compartment #8 Label #7 (opcedam), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (odaiiin, okal), Rosette #6-7 Bridge #2 (oteey)	0.14856
20	f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (otedy, oteedy, okedy, okeedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (qokeey, okeey, okey), okar variants (qokar, okar), ol[yoa] (olal), om + o[fptk | dlrsmg]am (otam), otai0-4n (otain)	f68r3 Star Quadrant #4 (okey), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (ceeody, qotaiin), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #5 (ofcedar), Rosette #6 Compartment #7 (otedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Compartment #8 Label #7 (opcedam), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge #2 (oteey)	0.14606
		Rosette #7		
1	f108v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [tk]e4dy (tedy), [yo]dy endings (okeody), ce4a (cseeal, ceear), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]ai4n (okain, otaiin, qokain, qotaiin), o[fptk]e4dy (qotedy, qokedy, qokeedy, otedy, oteedy, okeedy), o[tk]e0-4y (okeey, okey, oteey, qokeey, ykeey, ceoteey), oce4y (oceey), okal variants (qokal), olo (olor), yodai0-4n (cseodain)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #5 (cekeedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, olor, otedy, qotedy)	0.26354
2	f111r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceody, oteody, qokeody), ce4a (cear), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky), eka (cseekal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy), o[tk]e0-4y (oteey, okeey, okey, qokeey, qoky, otey, oty, qoteey, ykeey), oa (soaiin, oaiin), oce4y (oceey), oce4y + infixed versions (ockey), oe0-4s (ceeos), oi (oir), olai0-4n (olaiiin), ora (oraiin, orain), otar variants (otar), yodai0-4n (odaiin)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #12 (okeey), f69r Labeled Interior Bar #13 (dkocey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, oiin, olaiiin, olkoaiiin, opoeesal, orar, otar, otedy, oty, qotedy)	0.25555
3	f116r #6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (arody), ce4a (cear, cseeal), ek[yoa] (cseeky), o[fptk]ai4n (okain, otain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (otedy, oteedy, oteeedy, qokedy, qokeedy, okeedy), o[tk]e0-4y (okey, qokeey, qoky, oteey, otey, oty, qoty), oi (oiin), okal variants (okal, okalain, okaly, qokal), ola (olar), or[yoa] (ory), ora (orain), otar variants (otar, qotar)	f68r3 Star Quadrant #7 (otceal, qokeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, oiin, okal, olaiiin, orar, otar, otedy, oty, qotedy)	0.24963
4	f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (dody, ody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otaiin, otain), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[tk]e0-4y (oteey, qokeey, oty, okeeey, okeey), oa (oar), okod variants (okody), olai0-4n (olaiin), otar variants (otair, otar), otod variants (otody), x (xar), yodai0-4n	f68r3 Star Quadrant #7 (qokeey), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #10 (okody), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, oar, olaiiin, otar, otodeedy, oty,	0.23993

		(qodain)	qotedy), Rosette #7-8 Bridge Interior #2 (ddsscsex)	
5	f111v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]c-Initial (kcey), [tk]e4dy (tedy), ce4a (cseal, ceear), cedai4[lrsm | n] (ceedar), g (g), o[fptk]ai4n (otain, okaiin, okain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, qotedy, qokedy, qokeedy, okedy), o[tk]e0-4y (okeeey, okeey, qokeey), oa (oaiin), okal variants (qokal), otar variants (otar)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v2 Star Divider #7 (dceedal), f68v3 Sides #4 (dkeeeg), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #5 (cekeedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, olkoaiiin, otar, otedy, qotedy, tcseed)	0.20200
6	f112r #2	[tk]c-Initial (tceedy), o[fptk]ai4n (otaiin), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, qokedy, okeedy), o[tk]e0-4y (okeey, qokeey, qoteey, oteey, otey)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (qotedy, tcseed)	0.19361
7	f106r #15	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ce4a (cear), cedai4[lrsm | n] (cedal), o[fptk]ai4n (okain, otaiin, qokaiin, qokain), o[fptk]e4dy (qokeedy, otedy), o[tk]e0-4y (oty, qoteey, qoty, oky), okal variants (okal), ol[tk] (olkair), otar variants (otair, otar), yodai0-4n (cseodaiin)	f68r3 Star Quadrant #7 (otceal), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, olkoaiiin, otar, otedy, oty, qotedy)	0.18343
8	f112v #1	[yo]pa (opal), ce4a (ceear), o[fptk]ai4n (okaiin, okain), o[fptk]e4dy (okedy, qokeedy), o[tk]e0-4y (qokeey, qoky, oteey, oty, okeey, okey), oa (oaiin, oar), okal variants (qokal), ora (oraiin), osa (osal)	f68r3 Star Quadrant #7 (otceal, qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (oar, okal, olkoaiiin, orar, otosaiiin, oty, qotedy)	0.17991
9	f108r #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedal, cedar), o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (okedy, qotedy, qokedy, qokeedy), o[fptk]eda[lrsm | n] (okedam), o[tk]e0-4y (okeey, qokeey), okal variants (okal, qokal)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Outer Ring (cseor, okal, oteedaiiin, qotedy)	0.17959
10	f106v #15	cedai4[lrsm | n] (ceedar), o[fptk]ai4n (otaiin, qokaiin, okain), o[fptk]e4dy (qokeedy, otedy, oteedy), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeeey, okeey, oky, oteey, oty, ceeyky), okal variants (okal), otar variants (ytar), yodai0-4n (odaiin)	f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (okal, otar, otedy, oteedaiiin, oty, qotedy)	0.17201
11	f107v #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), okal variants (okal, qokal), yodai0-4r (odar)	f68r3 Star Quadrant #7 (qokeey), f68v2 Star Divider #6 (odair), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Outer Ring (cseor, okal)	0.17152
12	f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otain), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, qotedy, okedy, okeedy), o[tk]e0-4y (okeey, okey, qokeey), ola (olal)	f68r3 Star Quadrant #7 (qokeey), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), f69r Labeled Interior Bar #13 (dkocey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, olaiiin, otedy, qotedy)	0.16995
13	f103v #11	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin, qokaiin, qokain), o[fptk]c + e0-4y (qokcseey, opceey), o[fptk]e4dy (otedy, okedy), o[tk]e0-4y (okeey, okey, otey, oty, qokeey, ykeey), ol[yoa] (oly)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (olaiiin, otedy, oty, qotedy)	0.16977
14	f106v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain, qotaiin), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey, okcsey), o[fptk]e4dy (okeedy), od[fptk | dlrsmg] (odl), okal variants (okal), ora (oraiin)	f68r3 Star Quadrant #7 (otceal), f68v2 Star Divider #7 (dceedal), Rosette #6-7 Bridge Interior East (odl), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Outer Ring (cseor, okal, orar, qotedy)	0.16932
15	f103r #8	cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4dy (opceedy), o[fptk]c + e0-4y (qotcey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky), okal variants (qokal)	f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (okal, oty, qotedy)	0.16579
16	f114v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (arody, ceeody, qoteeody), o[fptk]ai4n (okaiin, otaiin, otain, qokaiin, qotaiin), o[fptk]c + e0-4y (otceey, qotceey), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeey, oteey), okal variants (okal), otar variants (qotar), yodai0-4n (odaiin)	f68v1 Exterior Stars #7 (oteodain), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, otar, oteedaiiin)	0.16562
17	f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal)	Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (cseor, okal, otedy, qotedy)	0.16385
18	f108r #14	cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, okedy, otedy, oteedy, yteedy), o[tk]e0-4y (okeey, qokeey)	f68r3 Star Quadrant #7 (qokeey), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (otedy, qotedy)	0.16374
19	f108r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4dy (qokceedy), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (okedy, qokedy, qokeedy, otedy, qotedy), o[tk]e0-4y (oteey, qokeey, okeey)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Outer Ring (cseor, otedy, qotedy)	0.16220
20	f116r #3	o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, otedy, yteedy), o[tk]e0-4y (otey, qokeey, qoteey, okeey)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (otedy, qotedy)	0.15850
		Rosette #8		
1	f108v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (okeody), ce4a (cseeal, ceear), ceckey relatives (ceeckey, ceckeey), cedai4[lrsm | n] (ceedaiin, ceedar), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[dlrs]ce4y Superset (olceey), o[fptk]ai4n (otaiin, okain, qokain, qotaiin), o[fptk]e4dy (qotedy, otedy, oteedy, okeedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, okeey, okey, oteey, ykeey, ceoteey), oce4y (oceey), okal variants (qokal), ol[yoa] (olor), otal variants (otal), otam variants (otam), yodai0-4n (cseodain)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68v2 Star Divider #8 (ceoteey), f69r Labeled Interior Bar #14 (ceotal), f85r2 Quadrant 4 (olceey, qokal), f86v3 Jet Figure #4 (cealkar, ceeckey, ceedaiin, cseodain, cseykeeeocey, otam, oteey, qokain, qokedy, qokeey, ykeey, yteeody), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #6 (olal), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (lsaiin, okeedy, oteedy)	0.22916
2	f111v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]c-Initial (kcey), [yo][fptk]e4d (oteed), [yo][fptk]e4o (okeeo), c | cs + e0-4[dlrsmg] (cseed), ce4a (cseal, ceear), ceckey relatives (ceeckey, ceckeey, ceckey), cedai4[lrsm | n] (ceedar), l[drs] Prefixes (ldy, ls), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, okedy, qotedy, oteedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, okeeey, okeey), oa (oaiin), okal variants (qokal), okc + e4or (okceor), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo, okeo), f85r2 Quadrant 4 (ceckey, qokal), f86v3 Jet Figure #4 (cealkar, ceeckey, okceor, otceey, qokaiin, qokain, qokedy, qokeey, tceeod), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (cseees, lsaiin, oas, okaiin, okedy, otar, oteed, oteedy)	0.22108
3	f112r #1	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), dody (dody), o[fptk][ao]d (okody), o[fptk]ai4n (otaiin, otain), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[tk]e0-4y (oteey, okeeey, okeey, qokeey, oty), oa (oar), olai0-4n (olaiin), otal variants (otal), otar variants (otar, otair), otod variants (otody), x (xar), yodai0-4n (qodain)	f67v2 Diagram Exterior 4 (ceol, dam, oar), f67v2 Protrusion #1 (okeeey), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f85r2 Quadrant 4 (dody, olaiin, qodain), f86v3 Jet Figure #4 (aceeody, keeey, oteey, qokeey, qotceedy), Rosette #7-8 Bridge Interior #2 (ddsscsex), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (otar, oteedy, otodr)	0.21629
4	f111r #2	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4d (oteed), [yo][fptk]e4o (okeeo), [yo][fptk]e4od + y (oteody, qokeody), [yo]dy endings (ceody), c | cs + e0-4[dlrsmg] (cseed), ce4a (cear), ceckey relatives (ceckeey, ceckey), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky), eka (cseekal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotcedy), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (otedy, qokedy, qokeedy, oteedy, okeedy), o[tk]e0-4y (oteey, qokeey, okeey, okey, ykeey, qoteey, qoky, otey, oty), o[tk]e4s (otes), oa (soaiin, oaiin), oc[s | fptk]e4y (ockey), oce4y (oceey), oe0-4s (ceeos), oi (oir), ola (olaiiin), olcey relative (olceedy), om (om), ora (oraiin), orai0-4n (orain), otam variants (otam), otar variants (otar), yodai0-4n (odaiin)	f67v2 Diagram Center #1 (soaiin), f67v2 Diagram Exterior 4 (ceol, dam), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68v2 Star Divider #1 (otey), f68v2 Star Divider #8 (dary), f68v2 Stars #8 (ypcey), f68v3 Sides #1 (ceody), f69r Labeled Interior Bar #15 (cseo, okeo), f85r2 Quadrant 4 (ceckey, okees, olceey, orain, qokeody), f86v3 Jet Figure #4 (cealkar, ceeckey, ceeos, cseykeeeocey, ocseeey, otam, oteey, qokain, qokedy, qokeey, qotceedy, ykeey, yteeody), Rosette #7-8 Bridge #1 (soiiin), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #3 (ydekam), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (cseees, oas, okeedy, olkeeodaiin, om, otar, oteed, oteedy), Rosette #8 Smokestack (orarol)	0.21145
5	f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, qokedy, qokeedy, qotedy, otedy), okal variants (qokal), otal variants (otal)	f69r Labeled Interior Bar #14 (ceotal), f85r2 Quadrant 4 (ceckey, qokal), f86v3 Jet Figure #4 (qokedy), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (cseol, okedy, oteedy)	0.20432
6	f107v #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), lc-initial (lceeol), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcedy), o[tk]e0-4y (okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), otal variants (otal), otam variants (otam), yodai0-4r (odar)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f85r2 Hand-Raisers 4 (lceeol), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (aceeody, otam, qokaiin, qokain, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (odar, okaiin, okal, okor)	0.20340
7	f116r #6	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]e0-4y (keey), aro[dlrsmg] (arody), ce4a (ceear, cseeal), ceckey relatives (ceckey), do (dol), ek[yoa] (cseeky), o[fptk]ai4n (otain, okain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (otedy, oteedy, oteeedy, qokedy, qokeedy, okeedy), o[tk]e0-4y (okey, qokeey, qoky, oteey, otey, oty, qoty), oi (oiin), okal variants (okal, okalain, okaly, qokal), ola (olar), or[yoa] (ory), orai0-4n (orain), otal variants (otal), otam variants (qotam), otar variants (qotar, otar)	f57v Hand-Raiser 4 (daly), f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68r3 Star Quadrant #8 Wand/Branch Head (doary), f68v2 Star Divider #1 (otey), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (qotam), f85r2 Quadrant 4 (ceckey, orain, qokal), f86v3 Jet Figure #4 (cealkar, keeey, oteey, qokaiin, qokain, qokedy, qokeey), Rosette #7-8 Bridge #1 (soiiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #3 (ydekam), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (okal, okalol, okeedy, otar, oteedy), Rosette #8 Smokestack (orarol)	0.19809
8	f107v #5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), ceckey relatives (ceckey), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, otaiin, qokain), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin)	f67v2 Diagram Exterior 4 (ceol), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f85r2 Quadrant 4 (ceckey, olaiin, qokeody), f86v3 Jet Figure #4 (opaiin, qokain), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (lsaiin, okaiin, okal, oteedy)	0.19296
9	f112r #2	[tk]c-Initial (tceedy), o[fptk]ai4n (otaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceedy), o[fptk]e4dy (oteedy, qokedy, okeedy), o[tk]e0-4y (okeey, qokeey, qoteey, oteey, otey)	f67v2 Protrusion #1 (okeeey), f68v2 Star Divider #1 (otey), f68v2 Stars #8 (ypcey), f86v3 Jet Figure #4 (oteey, qokedy, qokeey, tceeod), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okeedy, oteedy)	0.18470

10	f108r #14	[fptk]e0-4y (keey), cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, yteedy, okedy, otedy, oteedy), o[tk]e0-4y (okeey, qokeey)	f67v2 Protrusion #1 (okeeey), f86v3 Jet Figure #4 (keeey, qokaiin, qokedy, qokeey, yteedy), Rosette #8 Outer Ring (cedar, okedy, oteedy)	0.18247
11	f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin, qokaiin), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey, qoky), okal variants (okal)	f67v2 Protrusion #1 (okeeey), f86v3 Jet Figure #4 (qokaiin, yteeody), Rosette #8 Outer Ring (okaiin, okal, okedy, okeedy, oteedy)	0.18077
12	f107r #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]ai4n (okaiin, qokaiin, qokain, qotaiin), oe sans oy + oe4y, oe0-4s (oeedy), oi (oiin), okal variants (qokal, okal), ol[tk] (olkar), opce0-4dy (opceedy), ora (orar), otal variants (otal), otam variants (otam), otar variants (otair)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (olkar, opceedy, otam, qokaiin, qokain), Rosette #7-8 Bridge #1 (soiiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #2 (yoe**ais), Rosette #8 Outer Ring (okaiin, okal, otar), Rosette #8 Smokestack (orarol)	0.17941
13	f113v #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin), oe0-4s (ceeos), ola (olal), otal variants (otal), otar variants (otar)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #14 (ceotal), f86v3 Jet Figure #4 (aceeody, ceeos, qokaiin, ykaiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (okaiin, otar)	0.17447
14	f108r #5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), ceckey relatives (ceckey), o[fptk]ai4n (okain, qokaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opcedy), o[fptk]c + e0-4dy (okceedy), o[tk]e0-4y (qokeey), oe sans oy + oe4y, oe0-4s (qoeedy), ofal variants (ofal), okal variants (qokal), ol[tk] (olkaiin), orai0-4n (orain)	f67v2 Diagram Exterior 4 (ofal), f68v2 Stars #8 (ypcey), f85r2 Quadrant 4 (ceckey, orain, qokal), f86v3 Jet Figure #4 (cseor, okceedy, qokaiin, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #2 (yoe**ais), Rosette #8 Outer Ring (cseol, olkeeodaiin)	0.16975
15	f108r #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedal, cedar), o[fptk]ai4n (okaiin, otaiin), o[fptk]e4dy (okedy, qotedy, qokedy, qokeedy), o[fptk]eda[lrsm | n] (okedam), o[tk]e0-4y (qokeey, okeey), okal variants (qokal, okal), opce0-4dy (opceedy)	f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (cealkar, opceedy, qokedy, qokeey), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (cedar, okaiin, okal, okedy, otdar, oteedy)	0.16877
16	f106v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), c | cs + e0-4[dlrsmg] (csed), ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain, qotaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[fptk]c + e0-4y (qokcey, okcsey), o[fptk]e4dy (okeedy), o-axis of [yo][fptk][ao][lr] (qokol), od[fptk | dlrsmg] (odl), okal variants (okal), ora (oraiin)	f67v2 Diagram Exterior 4 (ceol), f68v2 Stars #8 (ypcey), f86v3 Jet Figure #4 (cealkar, cseor, qokaiin, qokain), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (cseees, okal, okeedy, okor, otodr), Rosette #8 Smokestack (orarol)	0.16833
17	f107v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (otaiin, okaiin, okain, qokaiin, ykaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okedy), oa (oaiin), orai0-4n (orain), yodai0-4n (qodaiin, odain)	f67v2 Diagram Exterior 4 (ceol), f85r2 Quadrant 4 (orain), f86v3 Jet Figure #4 (otceey, qodaiin, qokaiin, ykaiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (oas, okaiin, okedy, olkeeodaiin)	0.16771
18	f103r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ety (cseety), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy, qokedy), o[tk]e0-4y (oteey, okeey), okal variants (qokal), opce0-4dy (opceedy), ora (oraiin)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68v1 Exterior Stars #8 (cpceety), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (opceedy, oteey, qokedy), Rosette #8 Outer Ring (okaiin, oteedy), Rosette #8 Smokestack (orarol)	0.16583
19	f103v #11	[yo]dy endings (ceeody), c | cs + e0-4[dlrsmg] (csed), ceckey relatives (ceeckey), o[fptk]ai4n (okaiin, qokaiin, qokain), o[fptk]c + e0-4y (qokcseey), o[fptk]e4dy (otedy, okedy), o[tk]e0-4y (okeey, okey, otey, oty, qokeey, ykeey), ol[yoa] (oly), opce0-4y (opceey), otal variants (otaly)	f67v2 Protrusion #1 (okeeey), f68v2 Star Divider #1 (otey), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f85r2 Quadrant 4 (qokcseey), f86v3 Jet Figure #4 (aceeody, ceeckey, qokaiin, qokain, qokeey, ykeey), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (cseees, okaiin, okedy, oteedy)	0.16524
20	f103r #8	ceckey relatives (ceckeey), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4y (qotcey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky), okal variants (qokal), opce0-4dy (opceedy)	f67v2 Protrusion #1 (okeeey), f68v2 Star Divider #1 (otey), f68v2 Stars #8 (ypcey), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (ceeckey, opceedy, oteey, qokain), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (oteedy)	0.16298
		Rosette #9		
1	f116r #6	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [yo]dy endings (arody), ce4a (ceear, cseeal), o[fptk]ai4n (okain, otain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, oteeedy, okeedy), o[lr]a (orain), o[lr]y (ory), oi (oiin), okal variants (okal, okalain, okaly, qokal), okar variants (okar), ola (olar), om + o[fptk | dlrsmg]am (qotam)	Rosette #9 Canister #4 (ary), Rosette #9 Center #17 (otedy), Rosette #9 Center #19 (sody), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (cseax, oir, okal, otcsee, oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, olar, oly, om)	0.20399
2	f111r #2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [yo][fptk]e4od + y (oteody, qokeody), [yo]dy endings (ceody), ce4a (cear), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (qokain, okain), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (qokedy, qokeedy, okeedy, otedy, oteedy), o[lr]a (oraiin, orain), o[tk]e4s (otes), oa (soaiin, oaiin), oe0-4s (ceeos), oi (oir), okar variants (okar), ola (olaiin), om (om), om + o[fptk | dlrsmg]am (otam), yodai0-4n (odaiin)	Rosette #9 Canister #4 (ary), Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #17 (otedy), Rosette #9 Center #19 (sody), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (cseax, oir, osoa, otcsee, oteeedy, otes, yqos), Rosette #9 Outer Ring Sentence #2 (odaiiin, okaiiin, okar, okcedy, okeody, olar, om)	0.19793
3	f111v #1	ce4a (ceear, cseal), cedai4[lrsm | n] (ceedar), Consonant Clusters (ls), g (g), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, qotedy, okedy), oa (oaiin), okal variants (qokal), okar variants (okar)	Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #12 (dgl), Rosette #9 Center #13 (dtedg), Rosette #9 Center #17 (otedy), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (cseax, okal, osoa, otcsee, oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar)	0.16695
4	f108r #10	o[fptk]ai4n (okain), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal), okar variants (okar)	Rosette #9 Center #17 (otedy), Rosette #9 Outer Ring Sentence #1 (okal, oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar)	0.16664
5	f104r #11	[yo][fptk]e4od + y (oteody), [yo]pa (opam), o[fptk]ai4n (qokaiin, okaiin), o[fptk]c + e0-4dy (qotcedy), o[lr]a (oraiin), okal variants (okal), okar variants (okar)	Rosette #9 Center #9 (ypal), Rosette #9 Outer Ring Sentence #1 (okal), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, okcedy, okeody, olar)	0.16342
6	f108v #2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dady), cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, qokedy, qokeedy, okeedy, okeedy), o[fptk]eda[lrsm | n] (otedal), okal variants (qokal, okal), okar variants (okar, okair, qokar), ol[tk] (ceolkain), om (om)	Rosette #9 Canister #3 (otedaiiin), Rosette #9 Canister #4 (ary), Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (okal, oteeedy), Rosette #9 Outer Ring Sentence #2 (okar, okcedy, olkalor, om)	0.16081
7	f112r #10	o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (okceedy), o[fptk]c + e0-4y (okceey, okcey, qokcey), o[fptk]e4dy (otedy), o[lr]y (ory), okal variants (qokal, okal), okar variants (okar), opal variants (opal)	Rosette #9 Center #17 (otedy), Rosette #9 Center #9 (ypal), Rosette #9 Outer Ring Sentence #1 (okal, otcsee), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, okcedy, oly)	0.15714
8	f108v #8	[yo][fptk]e4od + y (okeody), ce4a (cseeal, ceear), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]ai4n (okain, otaiin, qokain, qotaiin), o[fptk]e4dy (qotedy, qokedy, qokeedy, otedy, oteedy, okeedy), okal variants (qokal), ol[yoa] (olor), om + o[fptk | dlrsmg]am (otam), yodai0-4n (cseodain)	Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #17 (otedy), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (cseax, okal, oteeedy), Rosette #9 Outer Ring Sentence #2 (odaiiin, okaiiin, okeody, olar, om)	0.15598
9	f108r #13	[yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otain), o[fptk]e4dy (otedy, oteedy, okedy, okeedy, qokedy, qokeedy, qotedy), okar variants (okar, qokar), ola (olal), om + o[fptk | dlrsmg]am (otam)	Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #17 (otedy), Rosette #9 Center #19 (sody), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, olar, om)	0.15313
10	f112r #1	[yo]dy endings (dody, ody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otaiin, otain), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), oa (oar), okod variants (okody), ola (olaiin), otod variants (otody), x (xar), yodai0-4n (qodain)	Rosette #9 Canister #2 (socsexor), Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #19 (sody), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (okody, osoa, otcsee, oteeedy, qotod), Rosette #9 Outer Ring Sentence #2 (odaiiin, okaiiin, okcedy, olar)	0.15061
11	f104r #1	[yo][fptk]e4od + y (yteeody), ce4a (cear), cedai4[lrsm | n] (ceedal, cseedaiin), o[fptk]e4dy (otedy, oteedy, qokeedy), oa (oar), oe0-4s (os), okal variants (okal), otod variants (otody), yodai0-4n (qodaiin)	Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #17 (otedy), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (cseax, okal, osoa, oteeedy, qotod), Rosette #9 Outer Ring Sentence #2 (odaiiin, okeody, os)	0.14751
12	f107v #4	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, qokaiin, qokain, qotaiin, otain), o[fptk]c + e0-4dy (okcedy), okal variants (qokal, okal), okar variants (qokar), om + o[fptk | dlrsmg]am (otam), yodai0-4r (odar)	Rosette #9 Canister #1 (otdodar), Rosette #9 Center #19 (sody), Rosette #9 Outer Ring Sentence #1 (okal), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, okcedy, om)	0.14671
13	f108r #14	cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, yteedy, okedy, otedy, oteedy)	Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #17 (otedy), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin)	0.14615
14	f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin, qokaiin), o[fptk]e4dy (oteedy, okedy, okeedy), okal variants (okal)	Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (okal, oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin, okeody)	0.14510
15	f107v #5	[yo][fp]ai0-4[m] (opaiin), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (qokain, otaiin, okaiin), o[fptk]e4dy (otedy), okal variants (okal), okar variants (qokar), ola (olaiin)	Rosette #9 Center #17 (otedy), Rosette #9 Outer Ring Sentence #1 (okal), Rosette #9 Outer Ring Sentence #2 (ofair, okaiiin, okar, okeody, olar)	0.13960
16	f106v #8	ce4a (csear), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain, qotaiin), o[fptk]c + e0-4dy (qokcedy), o[fptk]c + e0-4y (qokcey, okcsey), o[fptk]e4dy (okeedy), o[lr]a (oraiin), okal variants (okal), okar variants (qokar)	Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Outer Ring Sentence #1 (okal, otcsee, oteeedy), Rosette #9 Outer Ring Sentence #2 (csear, okaiiin, okar, okcedy, olar)	0.13753
17	f108r #8	ce4a (cear), cedai4[lrsm | n] (cedal, cedar), o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (okedy, qokedy, qokeedy, qotedy), o[fptk]eda[lrsm | n] (okedam), okal variants (qokal, okal)	Rosette #9 Canister #3 (otedaiiin), Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Outer Ring Sentence #1 (cseax, okal, oteeedy), Rosette #9 Outer Ring Sentence #2 (okaiiin, okcedy)	0.13665
18	f113v #7	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin), oe0-4s (ceeos), okar variants (okar, qokar), ola (olal)	Rosette #9 Center #19 (sody), Rosette #9 Outer Ring Sentence #1 (osoa), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, olar)	0.13508
19	f114v #12	[yo][fptk]e4od + y (qoteeody), [yo]dy endings (arody, ceeody), o[fptk]ai4n (okaiin, otaiin, otain, qokaiin, qotaiin), o[fptk]c + e0-4y (qotceey, otceey), o[fptk]eda[lrsm | n] (okedaiin), okal variants (okal), okar variants (qokar), om + o[fptk | dlrsmg]am (otam), yodai0-4n (odaiin)	Rosette #9 Canister #3 (otedaiiin), Rosette #9 Center #19 (sody), Rosette #9 Outer Ring Sentence #1 (okal, otcsee), Rosette #9 Outer Ring Sentence #2 (odaiiin, okaiiin, okar, okeody, om)	0.13472
20	f104r #2	[yo]dy endings (yceeeody), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (qokaiin, qotaiin), o[fptk]c + e0-4dy (opcedy, otcedy, otceedy), o[fptk]e4dy (qokeedy), oe0-4s (cseeos), okal variants (qokal), okar variants (qokar, okar), yodai0-4n (qodain, odaiin), yodai0-4r (odar)	Rosette #9 Canister #1 (otdodar), Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #19 (sody), Rosette #9 Outer Ring Sentence #1 (okal, osoa, oteeedy), Rosette #9 Outer Ring Sentence #2 (odaiiin, okaiiin, okar, okcedy)	0.13381

Table 31.14: Highest Ranked Rosette Lines for All 293 Section 5 Text Sequences

Folio	Rosette Line	Section 5 Word Categories	Associated Rosette Line Figures	Score
f103r #1	5	[ao][lr][ao][lr] Pipe/Flow (orol), ceckey relatives (ceckey), cedai4[lrsm | n] (cedar, ceedar), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otcey), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (okedy, qokedy), o[tk]e0-4y (okey, qokeey, qoteey, otey), okol variants (okol), otar variants (otar)	f68r3 Star Quadrant #4 (okol), f68v3 Sides #3 (ceckey), f69r Labeled Interior Bar #5 (okey), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (otar, sarol, yky)	0.13857
f103r #2	2	o[fptk]e4dy (okeedy, qotedy), o[tk]e0-4y (okey, oteey, qokeey), oe sans oy + oe4y, oe0-4s (qoeedy), sai4n (sain, san)	f67v2 Diagram Exterior 1 (san), f85r2 Quadrant 1 (sain), f86v3 Jet Figure #1 (qoeedy), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (okeedy, oteoteedy)	0.07775
f103r #3	7	ce4a (csear), ety (ceety), o[fptk]ai4n (okain, otaiin, otain), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (okeey, okey, oteey, otey), oe0-4s (oteeos), okal variants (okal), otar variants (qotar)	f68r3 Star Quadrant #7 (otceal), f68v1 Exterior Stars #8 (cpceety), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (okal, otar, otedy, otosaiiin, qotedy)	0.13434
f103r #4	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [tk]c-Initial (tcsedy), ceckey relatives (ceeckey), o[fptk]ai4n (okain, qokain), o[fptk]e4dy (qotedy), o[tk]e0-4y (qokey, okeey), okar variants (qokar)	f67v2 Diagram Exterior 2 (okeey), f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, qokeey, qoky, ytaiin), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #6 (tcsedy), Rosette #4 Outer Ring (ceckey)	0.13129
f103r #5	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (dcseol), [tk]c-Initial (tceey), ceckey relatives (ceckey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeey, qokeey), okal variants (qokal)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (qokal), Rosette #5 Compartment #7 (oteedy), Rosette #5 Outer Ring (kceedy, yky)	0.13956
f103r #6	8	o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[tk]e0-4y (oteey), okal variants (qokal), ol[yoa] (olor)	f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (oteey, qokaiin, qokain), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (okaiin)	0.14489
f103r #7	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), e[fp][yoa] (ceepar), o[fptk]ai4n (okain), o[fptk]e4dy (qokeedy, okedy), o[tk]e0-4y (qoky), okal variants (okaly, qokal), opce0-4y (opcey), otal variants (otal), otar variants (otar, qotar)	f57v Diagram Center #2 (okaly), f86v3 Jet Figure #2 (ceeeor, qoky, ytaiin), Rosette #4 Compartment #2 (ceefaiiin), Rosette #4 Compartment #4 (opceey, oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Outer Ring (ceckey, otal, otar)	0.15431
f103r #8	4	ceckey relatives (ceckeey), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4y (qotcey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky), okal variants (qokal), opce0-4dy (opceedy)	f67v2 Diagram Exterior 2 (okeey), f85r2 Quadrant 2 (ceckeey, oteey), f86v3 Jet Figure #2 (qotcey, ytaiin), Rosette #4 Compartment #3 (oky), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky, opceedy), Rosette #4 Outer Ring (ceedal)	0.18122
f103r #9	7	[tk]c-Initial (tceey), o[fptk]ai4n (okaiin, otain), o[fptk]c + e0-4y (qokcey), o[tk]e0-4y (qokeey, okeey)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Outer Ring (tcseed)	0.13840
f103r #10	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ety (cseety), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy, qokedy), o[tk]e0-4y (oteey, okeey), okal variants (qokal), opce0-4dy (opceedy), ora (oraiin)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68v1 Exterior Stars #8 (cpceety), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (opceedy, oteey, qokedy), Rosette #8 Outer Ring (okaiin, oteedy), Rosette #8 Smokestack (orarol)	0.16583
f103r #11	8	o[fptk]e4dy (yteedy), o[tk]e0-4y (qokeey)	f86v3 Jet Figure #4 (qokeey, yteedy)	0.05350
f103r #12	2	o[fptk]e4dy (okeedy, ykeedy, qokeedy), o[tk]e0-4y (qokeey, otey)	f86v3 Jet Figure #1 (otey, qokeedy), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (okeedy, ykeedy)	0.13321
f103r #13	8	ceckey relatives (ceckey, ceeckey), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, ykeedy), o[tk]e0-4y (okeey, oteey, qokeey)	f67v2 Protrusion #1 (okeeey), f85r2 Quadrant 4 (ceckey, ykeedy), f86v3 Jet Figure #4 (ceeckey, oteey, qokain, qokeey), Rosette #8 Outer Ring (oteedy)	0.14749
f103r #14	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]e4dy (otedy, oteedy, qokeedy), o[tk]e0-4y (qokeey, qoteey), okal variants (qokal), otam variants (otam)	f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #15 (cseo), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (otam, qokeey), Rosette #8 Outer Ring (oteedy)	0.11681
f103r #15	4	ce4a (cseeal), o[fptk]ai4n (qokaiin), o[tk]e0-4y (qokeey, cseokey), okal variants (qokal)	f86v3 Jet Figure #2 (qokaiin, qokeey), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (ceeyky), Rosette #4-5 Bridge #2 (cseeal)	0.13132
f103r #16	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, cseol), [fptk]e0-4y (keey), o[fptk]e4dy (oteedy, qokeedy), o[tk]e0-4y (qokeey)	f67v2 Diagram Exterior 4 (ceol), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f86v3 Jet Figure #4 (keeey, qokeey), Rosette #8 Outer Ring (cseol, oteedy)	0.13749
f103r #17	7	[tk]c-Initial (kcey), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qokeey, qoky, okeey)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (qotedy, tcseed)	0.10972
f103r #18	4	o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy), o[tk]e0-4y (qokeey, qoty, oteey), otal variants (otal)	f85r2 Quadrant 2 (oteey), f86v3 Jet Figure #2 (qokaiin, qokeey, qoty), Rosette #4 Compartment #2 (qokedy), Rosette #4 Outer Ring (otal)	0.16060
f103v #1	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), ceckey relatives (ceckey), o[fptk]ai4n (qokain), o[fptk]e4dy (okeedy, qokeedy, ykeedy), o[tk]e0-4y (qokeey, qoky, qoty, okeey), okal variants (qokal), olf (olfceey)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (ceeeor, olfceey, qokeey, qoky, qoty, ytaiin), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Outer Ring (ceckey)	0.15733
f103v #2	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), ek[yoa] (ceeky), o[fptk]ai4n (qokaiin, qokain, okaiin), o[fptk]e4dy (qokeedy, qotedy), o[tk]e0-4y (qoky, okeey, oteey), ol[yoa] (oly)	f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, olaiin, qotedy)	0.14577
f103v #3	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor), c | cs + e0-4[dlrsmg] (cseed), l[drs] Prefixes (ldy), o[fptk]ai4n (okain), o[fptk]c + e0-4dy (qotceedy), o[fptk]e4dy (otedy, qokeedy), o[tk]e0-4y (qoky, okeey), okal variants (qokal)	f67v2 North-Oriented Text (dceeeor), Rosette #1 Outer Ring (ceedces, ldy, okain, okcedy, otedy, ykal, yky), Rosette #1 Quadrant #4 (okedy)	0.12665
f103v #4	4	ce4a (cseeal), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, otey, qokeey)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (qokeey), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4-5 Bridge #2 (cseeal)	0.07914
f103v #5	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), ce4a (cear), o[dlrs]ce4y Superset (olceey), o[fptk]ai4n (otain, qokain), o[fptk]e4dy (qokeedy, oteedy), otal variants (otaly), otam variants (otam), otar variants (otar)	f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo), f85r2 Quadrant 4 (olceey), f86v3 Jet Figure #4 (cealkar, otam, qokain), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (otar, oteedy)	0.13540
f103v #6	4	ce4a (cealkar, cear), ceckey relatives (ceckey), o[fptk]e4dy (qokeedy, oteedy), o[tk]e0-4y (qoteey), okal variants (qokal), olai0-4n (olaiin), opce0-4dy (opceedy), oro (orol), otal variants (otal)	f67v2 Protrusion #3 (cear), f86v3 Jet Figure #2 (qoteey), Rosette #4 Compartment #4 (olaiin, oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Compartment #8 (opceedy), Rosette #4 Outer Ring (ceckey, oror, otal), Rosette #4-5 Bridge #2 (cseeal)	0.15828
f103v #7	4	ce4a (cear), o[fptk]ai4n (okain), o[tk]e0-4y (qokeey), otar variants (otar)	f67v2 Protrusion #3 (cear), f86v3 Jet Figure #2 (qokeey, ytaiin), Rosette #4 Outer Ring (otar)	0.13879
f103v #8	4	ce4a (cseal), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (qokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, qoty, ykeey, yteey), opar variants (opar), otai0-4n (otain), otal variants (otal)	f85r2 Quadrant 2 (oteey, qotaiin), f86v3 Jet Figure #2 (qokeey, qoty, ytaiin, yteey), Rosette #4 Compartment #4 (opam, opar, oteedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (otal), Rosette #4-5 Bridge #2 (cseeal)	0.12204
f103v #9	7	[ao][lr][ao][lr] Pipe/Flow (arar), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]ai4n (okain), o[fptk]e4dy (okeedy, otedy), o[tk]e0-4y (qokeey, ykeey, okeey), otar variants (otar, qotar)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #1 (depceeky), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (orar, otar, otedy, qotedy)	0.14891
f103v #10	4	ce4a (cseal), ceckey relatives (ceckey), o[fptk]ai4n (okain), o[fptk]e4dy (otedy), o[tk]e0-4y (qokeey, okeey), opce0-4dy (opceedy)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (qokeey, ytaiin), Rosette #4 Compartment #8 (opceedy), Rosette #4 Outer Ring (ceckey, otedy), Rosette #4-5 Bridge #2 (cseeal)	0.09412
f103v #11	1	[yo]dy endings (ceeody), c | cs + e0-4[dlrsmg] (csed), o[fptk]ai4n (okaiin, qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcseey, opceey), o[fptk]e4dy (otedy, okedy), o[tk]e0-4y (okeey, okey, otey, oty, qokeey, ykeey), oly (oly)	f68v2 Star Divider #1 (otey), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (csed, ody, okain, okcegy, oly, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.18748
f103v #12	7	ety (ceety), o[fptk]ai4n (qokain), o[tk]e0-4y (okeey)	f68v1 Exterior Stars #8 (cpceety), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino)	0.05885
f103v #13	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), ce4a (csear, cseeal), o[fptk]ai4n (qokain), o[tk]e0-4y (yteey, oty, okey), oi (oiin), otar variants (otar)	f68r3 Star Quadrant #7 (otceal), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, oiin, otar, oty)	0.12117
f103v #14	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckeey, ceckey), o[fptk]ai4n (qokaiin, qokain), o[tk]e0-4y (okey, oky), ol[yoa] (oly), opce0-4y (opcey), ora (oraiin), orai0-4n (orain), otar variants (otar)	f67v2 Protrusion #1 (okeeey), f68v2 Stars #8 (ypcey), f85r2 Quadrant 4 (ceckey, orain), f86v3 Jet Figure #4 (ceeckey, qokaiin, qokain), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (cseol, otar), Rosette #8 Smokestack (orarol)	0.13447
f104r #1	9	[yo][fptk]e4od + y (yteeody), ce4a (cear), cedai4[lrsm | n] (ceedal, cseedaiin), o[fptk]e4dy (otedy, oteedy, qokeedy), oa (oar), oe0-4s (os), okal variants (okal), otod variants (otody), yodai0-4n (qodaiin)	Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Center #17 (otedy), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (cseax, okal, osoa, oteeedy, qotod), Rosette #9 Outer Ring Sentence #2 (odaiiin, okeody, os)	0.14751
f104r #2	4	[yo]c + e4ody (yceeeody), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (otcedy, otceedy), o[fptk]e4dy (qokeedy), o-axis of [yo][fptk][ao][lr] (okor), oe0-4s (cseeos), okal variants (qokal), okar variants (qokar, okar), okol variants (qokol), opce0-4dy (opcedy), otai0-4n (qotaiin), otar variants (otar), yodai0-4n (qodain, odaiin), yodai0-4r (odar)	f85r2 Quadrant 2 (cseeos, otceedy, qokar, qotaiin), f86v3 Jet Figure #2 (qokaiin, yceeeody), Rosette #4 Compartment #1 (cseodaiiin, okar, okol), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (opcedy, qokal), Rosette #4 Outer Ring (ceedal, odaiin, odar, otar)	0.16429
f104r #3	9	cedai4[lrsm | n] (ceedal), oe0-4s (os), okar variants (okar), oly (otoly)	Rosette #9 Canister #5 (opcedaiiin), Rosette #9 Outer Ring Sentence #2 (okar, oly, os)	0.08002
f104r #4	3	[yo]dy endings (ceeody, ceody), o[fptk | dlrsmg][ao]m (qotam), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (opceey), oa (ceoaiin), o-axis of [yo][fptk][ao][lr] (qotor), okal variants (okal), okar variants (okar), otal variants (otal), otol variants (otol)	f67v2 East-Oriented Text (oafoaly), f68v1 Exterior Stars #4 (otaly, otol), f68v3 Sides #2 (ceeody), Rosette #3 Outer Ring Sentence #1 (okar, okcsey, okom, otody, qotcedy), Rosette #3 Outer Ring Sentence #2 (okal, ykol)	0.12858
f104r #5	4	o[fptk]ai4n (qokain), o[fptk]e4dy (qokedy, yteedy), o[tk]e0-4y (qoty), okar variants (qokar), opce0-4y (opceey), otal variants (otal)	f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (qoty, ytaiin), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (opceey, oteedy), Rosette #4 Outer Ring (otal)	0.09750
f104r #6	3	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (kary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp]ai0-4[rn] (opair), [yo]dy	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #2 (ockey), f68v3 Sides #2 (ceeody), Rosette #3 Diagram Interior #1	0.15825

		endings (ceeody), ce4a (ceear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4dy (qokcedy), o-axis of [yo][fptk][ao][lr] (otor), oc[fptk]e4y (qocteey), otar variants (qotar, otar)	(ofairy), Rosette #3 Diagram Interior #3 (kary), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (ykol)	
f104r #7	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kar, taiin), c | cs + e0-4[dlrsmg] (cseed), ce4a (csear, cear), ceckey relatives (ceckeey, ceckey), kc-initial (kceedy), ke4o (keeody), okar variants (okair), yodai0-4n (qodaiin)	f68r3 Star Quadrant #5 (dcseol), f68v3 Sides #3 (ceckey), f69r Labeled Interior Bar #5 (tam), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Outer Ring (kceedy, keeody, odaiiin, okair), Rosette #5-6 Bridge #1 (cseed)	0.13526
f104r #8	4	ce4a (cear), cedai4[lrsm | n] (ceedar), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (qokaiin), o[fptk]e4dy (yteedy), otai0-4n (qotaiin)	f67v2 Protrusion #3 (cear), f85r2 Quadrant 2 (qotaiin), f86v3 Jet Figure #2 (qokaiin), Rosette #4 Compartment #4 (opam, oteedy), Rosette #4 Outer Ring (cecedam)	0.06379
f104r #9	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4o (okeeo), [yo]dy endings (okeody), ce4a (cear), cedai4[lrsm | n] (ceedar), o[tk]e0-4y (oteey), okal variants (qokal), okar variants (qokar), okol variants (okol)	f67v2 East-Oriented Text (dcseog, oky), f68v3 Stars #2 (okol), f69r Labeled Interior Bar #1 (okeeo), Rosette #3 Outer Ring Sentence #1 (cedar, cseal, okar, otody, qokal)	0.10410
f104r #10	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedaiin), o[fptk]ai4n (otaiin, qokaiin), okal variants (qokal)	f67v2 Diagram Exterior 4 (ceol), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (aceeody, ceedaiin, qokaiin), Rosette #8 Exterior Label #1 (ofain)	0.15875
f104r #11	4	[yo]dy endings (oteody), o[fptk]ai4n (qokaiin, okaiin), o[fptk]c + e0-4dy (qotcedy), okal variants (okal), okar variants (okar), opam variants (opam), or[yoa] (oraiin), otar variants (qotar)	f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qotcedy), f86v3 Jet Figure #2 (qokaiin, ytaiin), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #4 (opam, opceody), Rosette #4 Outer Ring (oror, otar)	0.17746
f104r #12	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (qokain), o[fptk]e4dy (yteedy), o[tk]e0-4y (qoteey, qoty), ol[tk] (olkaiin)	f67v2 North-Oriented Text (dceeeor), Rosette #1 Outer Ring (okain, olkaiin, yky), Rosette #1 Quadrant #4 (okedy)	0.06144
f104r #13	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), l[drs] Prefixes (lsaiin), o[fptk]ai4n (otaiin, otain, qokaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokceedy), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qokeey, oteey), ol[tk] (olkair)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68v2 Stars #8 (ypcey), f86v3 Jet Figure #4 (oteey, qokaiin, qokain, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (lsaiin, olkeeodaiin, oteedy)	0.15668
f104v #1	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y + infixed versions (ceockey), cedai4[lrsm | n] (ceedaiin, ceedal), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (qokeedy), oe4y (qoeeey), ora (orar), otai0-4n (otaiin, qotaiin), otar variants (otair), yodai0-4n (odaiin)	f68v3 Inner Ring (otair), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (qoeeey, qokeedy, qotaiin, ycseeey), Rosette #2 Interior Ring (orar), Rosette #2 Outer Ring (cedas, okcedy, okodain)	0.10155
f104v #2	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]c + e4dy (oceedy), o[fptk]ai4n (qokain), o[fptk]c + e0-4y (qokcey), opce0-4dy (opceedy), so (sol)	f86v3 Jet Figure #2 (ceeeor, oceedy, ytaiin), Rosette #4 Compartment #1 (qokcey), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #8 (opceedy)	0.08486
f104v #3	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), cedai4[lrsm | n] (ceedaiin), l[drs] Prefixes (ls), o[fptk]ai4n (okain, otaiin, qokaiin), o[fptk]c + e0-4dy (qotcedy), o[fptk]e4dy (ykeedy, qokeedy, oteedy), o[tk]e0-4y (qoty), o-axis of [yo][fptk][ao][lr] (qokol), oc[s | fptk]e4y (qocteey), oe0-4s (ceeos), otar variants (qotar)	f67v2 Protrusion #1 (okeeey), f85r2 Quadrant 4 (ykeedy), f86v3 Jet Figure #4 (ceedaiin, ceeos, ocseeey, qokaiin, qotcedy), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (cseol, lsaiin, okor, otar, oteedy)	0.13992
f104v #4	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedar), eky (ceeky), o[fptk]c + e0-4dy (ytceedy), o[fptk]e4dy (oteedy), o[tk]e0-4y (qoty), otai0-4n (qotaiin)	f85r2 Quadrant 2 (qotaiin, ytceedy), f86v3 Jet Figure #2 (ceeeor, qoty), Rosette #4 Compartment #1 (ceeky), Rosette #4 Compartment #4 (opceody, oteedy), Rosette #4 Outer Ring (cecedam)	0.08797
f104v #5	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [tk]c-Initial (kceedy), o[fptk]ai4n (qokaiin, qokain, ytaiin), o[fptk]c + e0-4dy (qotcedy, qokceedy), o[fptk]c + e0-4y (qokcey), oe0-4s (ceeos), ora (orain)	Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Outer Ring (cseor, orar, otosaiiin, tcseed)	0.08904
f104v #6	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor), cedai4[lrsm | n] (cedar), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[tk]e0-4y (qokeey), o-axis of [yo][fptk][ao][lr] (qokol), otam variants (otam)	f67v2 Diagram Exterior 4 (ceol), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #15 (cseo), f86v3 Jet Figure #4 (otam, qokaiin, qokeey, qotceedy), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (cedar, okor)	0.13197
f104v #7	4	[tk]c-Initial (tceey), cedai4[lrsm | n] (ceedaiin), o[fptk]ai4n (ytaiin), o[fptk]c + e0-4dy (ytceedy, qokceedy), o[fptk]c + e0-4y (qotcey), oe0-4s (cseeos), okar variants (qokar), otar variants (otar), otor variants (otor), yodai0-4n (qodaiin)	f85r2 Quadrant 2 (cseeos, qokar, ytceedy), f86v3 Jet Figure #2 (otor, qodaiin, qotcey, ytaiin), Rosette #4 Compartment #6 (tcsedy), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (cecedam, otar)	0.10449
f104v #8	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor), [yo]dy endings (ceeody, ceody), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokceedy), o[fptk]c + e0-4y (qokcey), yodai0-4n (qodaiin)	f68v2 Stars #8 (ypcey), f68v3 Sides #1 (ceody), f69r Labeled Interior Bar #15 (cseo), f85r2 Quadrant 4 (qodaiin), f86v3 Jet Figure #4 (aceeody, cseor)	0.10816
f104v #9	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotcedy), o[tk]e0-4y (qokeey), oe4y (qoeey), yodai0-4n (cseodaiin)	f67v2 Diagram Exterior 4 (ceol), f68v2 Stars #8 (ypcey), f86v3 Jet Figure #4 (aceeody, qokeey), Rosette #8 Outer Ring (olkeeodaiin, qoeey)	0.06329
f104v #10	8	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [tk]c-Initial (kceedy), o[fptk]ai4n (okaiin, okain, qokaiin), o[tk]e0-4y (ykeey), orai0-4n (orain), yodai0-4r (odar)	f57v Hand-Raiser 4 (daly), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f85r2 Quadrant 4 (orain), f86v3 Jet Figure #4 (qokaiin, tceeod, ykeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (odar, okaiin)	0.09774
f104v #11	4	cedai4[lrsm | n] (qotceedar), o[fptk]e4dy (okeedy, oteedy, qokedy), oe0-4s (cseeos), otai0-4n (qotaiin)	f85r2 Quadrant 2 (cseeos, qotaiin), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Outer Ring (cecedam)	0.12982
f104v #12	7	[yo]ce4y + infixed versions (ycseeey), ce4a (cear), ece polygraph (kecey), o[fptk]ai4n (qokain), o[fptk]c + e0-4dy (okceedy), o[fptk]edar (ytedar), o[tk]e0-4y (qokeey, qoky), od[fptk | dlrsmg] (odl), so (sol), yodai0-4n (odain)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v1 Exterior Stars #7 (oteodain), f68v3 Sides #4 (teolkeceey), f69r Labeled Interior Bar #13 (dkocey), Rosette #6-7 Bridge Interior East (odl), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #8 (okydy), Rosette #7-8 Bridge #1 (soiiin), Rosette #7-8 Bridge Interior #1 (ytedar)	0.09910
f104v #13	8	[fptk]e0-4y (keeey), [tk]c-Initial (tceedy), [yo][fptk]e4d (oteed), o[fptk]ai4n (okain, qotaiin), o[fptk]e4dy (oteedy), o[tk]e0-4y (okeeey, okeey, qoteey, qoty, qokeey), oe sans oy + oe4y, oe0-4s (qoeedy)	f67v2 Protrusion #1 (okeeey), f86v3 Jet Figure #4 (keeey, qokeey, tceeod), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #2 (yoe**ais), Rosette #8 Outer Ring (oteed, oteedy)	0.13185
f105r #1	4	[yo]c + e4dy (oceedy), [yo]dy endings (ceeody), aro[dlrsmg] (arody), o[fptk | dlrsmg][ao]m (qotam), o[fptk]ai4n (ykaiin), o[fptk]c + e0-4dy (otcedy), o[fptk]e4dy (otedy, yteedy, qokeedy), o[tk]e0-4y (qokeey, yteey, otey), o[tk]e4s (okees), ocke4y (ockey), okar variants (okar), yodai0-4n (odaiin), yodai0-4r (odar)	f68r3 Star Quadrant #2 (ockey), f86v3 Jet Figure #2 (oceedy, qokeey, ykaiin, yteey), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #4 (opam, opceody, oteedy), Rosette #4 Compartment #6 (oparod), Rosette #4 Compartment #7 (opcedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (odaiin, odar, okees, otedy)	0.14524
f105r #2	7	[yo]dy endings (arody, yteody), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (qokedy, qokeedy, oteedy), o[tk]e0-4y (qokeey, okeey), oe0-4s (ykeeos)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (otosaiiin, qotedy)	0.10251
f105r #3	5	[yo]dy endings (yteeody), do (dol), kc-initial (kceedy), o[fptk]c + e0-4dy (qotcedy), oe sans oy + oe4y, oe0-4s (qoeedy)	f69r Labeled Interior Bar #7 (doceeeo), Rosette #5 Compartment #3 (okcedy), Rosette #5 Outer Ring (kceedy, keeody, oekaiiin)	0.05823
f105r #4	9	[yo][fptk]e4od + y (yteody), [yo]dy endings (ceeody, keeody), o[fptk]e4dy (oteedy, okeedy), o[lr]a (oral), yodai0-4l (odal)	Rosette #9 Center #19 (sody), Rosette #9 Center #7 (oteedy), Rosette #9 Outer Ring Sentence #1 (oteeedy), Rosette #9 Outer Ring Sentence #2 (odal, okeody, olar)	0.09240
f105r #5	8	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]e0-4y (keey), cedai4[lrsm | n] (cedaiin), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, otedy, oteedy, qokedy), o[tk]e0-4y (oteey, okeeey, okeey), o-axis of [yo][fptk][ao][lr] (otol), oe4y (qoeey), ol[tk] (olkaiin), opai0-4n (opaiin), opce0-4y (opceey), yodai0-4n (odaiin), yodai0-4r (odar)	f67v2 Diagram Exterior 4 (dam), f67v2 Protrusion #1 (okeeey), f68v2 Stars #8 (ypcey), f86v3 Jet Figure #4 (keeey, opaiin, oteey, qokedy), Rosette #8 (okcedarar), Rosette #8 Outer Ring (cseol, odar, okaiin, okedy, okor, olkeeodaiin, oteedy, qoeey)	0.13526
f105r #6	8	[dlrsmg]ai4m (dam), [fptk | dlrsmg] + c | c[s | fptk] + e4o (cseeo), o[tk]e0-4y (okeeey)	f67v2 Diagram Exterior 4 (dam), f67v2 Protrusion #1 (okeeey), f69r Labeled Interior Bar #15 (cseo)	0.05053
f105r #7	3	c | c[fptk] + e4o (ceo), o[tk]e0-4y (oky)	f67v2 East-Oriented Text (oky), f68r3 Star Quadrant #3 (ceo)	0.04763
f105r #8	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), o[fptk]c + e0-4y (opceey), o[fptk]e4dy (oteedy, qokeedy), o[tk]e0-4y (yteey), oe0-4s (oees), oi (oiin), opar variants (opair), yodai0-4n (odaiin)	f68v1 Exterior Stars #7 (oteodain), f69r Labeled Interior Bar #11 (ceeody), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #6 (opair), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, oiin, otosaiiin, qotedy)	0.11941
f105r #9	3	[fptk]ai4[dlrsmg | n] (kar), do (dor), ek[yoa] (ceeky), o[tk]e0-4y (oteey), oe0-4s (oees), okal variants (okal), orai0-4n (oraiiin), otar variants (otar)	f67v2 East-Oriented Text (oky), f68v2 Star Divider #2 (ycseesos), f68v3 Stars #2 (dom), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (kar, otar), Rosette #3 Outer Ring Sentence #2 (cseekal, okal)	0.11080
f105r #10	3	ko (kor), o[fptk | dlrsmg][ao]m (otam), okal variants (qokal), or[yoa] (orol), otar variants (qotar, otar)	Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (kor, okom, otar, qokal)	0.12595
f105v #1	4	cedai4[lrsm | n] (ceedaiin), dcedy relatives (dcseedy), do (dol), o[fptk]ai4n (ykaiin), o[fptk]c + e0-4y (otcey), o[fptk]e4dy (oteedy, ykeeedy, qokedy, qokeedy), okar variants (okair), ola (olar), otai0-4n (otaiin, qotaiin), otor variants (otor), yodai0-4n (qodaiin)	f85r2 Quadrant 2 (qotaiin), f86v3 Jet Figure #2 (dcseedy, otaiin, otor, qodaiin, ykaiin), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #3 (dor), Rosette #4 Compartment #4 (olaiiin, oteedy), Rosette #4 Outer Ring (cecedam, okary, otecseey)	0.13730
f105v #2	5	[yo]dy endings (oteody), g (g), o[fptk]e4dy (otedy), ol[tk] (olkaiin), om + o[fptk | dlrsmg]am (om), otar variants (otair), yc + e4o (yceeeo)	f68v3 Stars #3 (yceeeo), Rosette #4-5 Bridge #2 (g), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, olky, otar)	0.09546
f105v #3	4	o[fptk][ao]s (otos), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (qokcedy, otceedy), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (ykeey), o[tk]e4s (okees), oe0-4s (os), oi (oiiin), opce0-4dy (opceedy), or[yoa] (oral), otai0-4n (otaiin), otal variants (otal), otar variants (otar), yodai0-4m (odam), yodai0-4r (odar)	f67v2 Diagram Exterior 2 (osalal), f85r2 Quadrant 2 (otceedy), f86v3 Jet Figure #2 (otaiin, otceey, ytaiin), Rosette #4 Compartment #2 (ofas), Rosette #4 Compartment #7 (opcedy), Rosette #4 Compartment #8 (ceeyky, opceedy), Rosette #4 Exterior Sun (odam), Rosette #4 Outer Ring (odar, oiiin, okees, oror, otal, otar)	0.11849
f105v #4	1	[fptk]ai4[dlrsmg | n] (kar), o[fptk]ai4n (otaiin), o[fptk]c + e0-4dy (opcedy), o[tk]e0-4y (ykeey), okal variants (okal), okar variants (okair), ol[tk] (olkaiin), ol[yoa] (olor), ora (oraiin), yodai0-4r (odar)	f69r Labeled Interior Bar #16 (okeodar), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (kaiir, okain, okair, okal, okcedy, olkaiin, oly, oral)	0.12568
f105v #5	2	[fptk]ai4[dlrsmg | n] (taiin), cedai4[lrsm | n] (ceedaiin), o[fptk]ai4n (okaiin), opar variants (opair)	f86v3 Jet Figure #1 (ytain), Rosette #2 Outer Ring (cedas, opair, taiin)	0.05806
f105v #6	7	cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okaiin, qokaiin), od[fptk | dlrsmg] (odl), otar variants (otair)	f68v2 Star Divider #7 (dceedal), Rosette #6-7 Bridge Interior East (odl), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (otar)	0.05873
f105v #7	8	c | cs + e0-4[dlrsmg] (cseees), o[fptk]ai4n (okaiin), o[fptk]o (oto), otar variants (otar), yodai0-4l (odal)	f68v3 Stars #4 (ydaiil), Rosette #8 Outer Ring (cseees, okaiin, otar, oto)	0.09750
f105v #8	4	[yo]dy endings (ody), o[fptk]e4dy (oteedy), o-axis of [yo][fptk][ao][lr] (qotor), opce0-4y (opceey), otai0-4n (otaiin), otal variants (otal), otar variants (otar)	f68v3 Sides #3 (ody), f86v3 Jet Figure #2 (otaiin), Rosette #4 Compartment #1 (okol), Rosette #4 Compartment #4 (opceey, oteedy), Rosette #4 Outer Ring (otal, otar)	0.08559

f105v #9	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk]ai4[dlrsmg | n] (taiin), do (dol), o[fptk]e4dy (okeedy), o-axis of [yo][fptk][ao][lr] (otor), oe sans oy + oe4y, oe0-4s (qoeedy), otai0-4n (otaiin), otar variants (otair)	f68r3 Star Quadrant #1 (dol), f68v3 Inner Ring (otair), f85r2 Quadrant 1 (cseeo), f86v3 Jet Figure #1 (qoeedy, qotaiin), Rosette #2 Outer Ring (okeedy, taiin), Rosette #2 Protrusion Bottom-Right (okor)	0.11282
f105v #10	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedaiin, cedal, ceedaiin), o[fptk]ai4n (okaiin, otaiin, qokaiin, ytaiin), o[tk]e0-4y (okeey, oteey), otar variants (otair), yodai0-4n (odaiin)	f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (cseor, otar)	0.10747
f106r #1	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (yteeody), ek[yoa] (cseeky), o[fptk]c + e0-4dy (otceedy, ytceedy), o[fptk]e4dy (yteedy, qotedy), oe0-4s (ceeos), otar variants (qotar)	Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, otar, otosaiiin, qotedy)	0.10223
f106r #2	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), [yo]c + e4dy (yceedy), aro[dlrsmg] (arody), ce4a (cear), ceckey relatives (ceeckey), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (okceedy), o[tk]e0-4y (ceeoky, qoky), olcey relative (olceedy)	f67v2 Protrusion #1 (okeeey), f68v3 Sides #1 (ceeoky), f85r2 Quadrant 4 (olceey), f86v3 Jet Figure #4 (cealkar, ceeckey, cseor, okceedy, yceedy), Rosette #8 Outer Ring (cseol, okaiin), Rosette #8 Smokestack (orarol)	0.09979
f106r #3	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (qokain), o[fptk]e4dy (oteedy), o-axis of [yo][fptk][ao][lr] (qotor), okar variants (qokar), ol[tk] (olkaiin), oro (oror)	f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, ytaiin), Rosette #4 Compartment #1 (okol), Rosette #4 Compartment #4 (oteedy), Rosette #4 Outer Ring (olkar, oror)	0.11221
f106r #4	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]ai4n (qokain), o[fptk]e4dy (qokedy, otedy), o[tk]e0-4y (okeey)	f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (cseor, otedy, qotedy)	0.10029
f106r #5	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseeo), [yo][fp]a (opal), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk][ao]s (otais), o[tk]e0-4y (otey), otal variants (otal)	f68v2 Star Divider #1 (otey), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo), f86v3 Jet Figure #4 (otceey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okaiin, okos)	0.10242
f106r #6	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseol), [tk]c-Initial (tceedy), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (okain), o[fptk]c + e0-4dy (opceedy), okol variants (okol), otar variants (otar), sai4n (sain)	f68v3 Inner Ring (okol), f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol, sain), f86v3 Jet Figure #1 (tceedy, ytain), Rosette #2 Outer Ring (okcedy), Rosette #2 Protrusion Exterior (ceedar)	0.10054
f106r #7	1	o[fptk]ai4n (okain, qokaiin, ytaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qopcey), o[fptk]c + e0-4dy (qokceedy, otceedy), o[fptk]e4dy (qokeedy, okeedy), o[tk]e0-4y (qokeey, qoty), otol variants (otol)	Rosette #1 Outer Ring (okain, okcedy, okcegy, otol, yky), Rosette #1 Quadrant #4 (okedy)	0.13781
f106r #8	4	[yo]c + e4dy (yceedy), o[fptk]c + e0-4y (qokcey), o[fptk]c + e4ody (opceody), o[fptk]e4dy (otedy, qokedy, qokeedy), opce0-4dy (opceedy), yodai0-4n (odain)	f86v3 Jet Figure #2 (oceedy), Rosette #4 Compartment #1 (cseodaiiin, qokcey), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (opceody, oteedy), Rosette #4 Compartment #8 (opceedy), Rosette #4 Outer Ring (otedy)	0.13713
f106r #9	2	[yo]c + e4o Superclass (yceeeo), c | c[fptk] + e4o (ceo), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (okain, qokaiin, qokain), o[fptk]c + e0-4dy (qokceedy), otai0-4n (otaiin)	f68r3 Star Quadrant #3 (ceo), f86v3 Jet Figure #1 (qokaiin, qotaiin, ytain), Rosette #1-2 Bridge #2 (opotceos), Rosette #2 Outer Ring (okcedy), Rosette #2 Protrusion Exterior (ceedar)	0.09629
f106r #10	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo, cseeo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor, ceeeor, ceeol), [yo]c + e4o Superclass (yceeeo), ce4a (ceear), eka (cekar), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), okal variants (okal, ykal), ora (oraiin)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #15 (cseo), f86v3 Jet Figure #4 (cealkar, cseor, qokaiin, qokain), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #3 (ydekam), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (okaiin, okal, okalol), Rosette #8 Smokestack (orarol)	0.12104
f106r #11	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [yo]dy endings (ceody), ceckey relatives (ceckey), ke4o (keeody), o[fptk]ai4n (qokaiin, qokain), okal variants (okaly)	f68v3 Sides #1 (ceody, keody), f69r Labeled Interior Bar #15 (cseo), f85r2 Quadrant 4 (ceckey), f86v3 Jet Figure #4 (qokaiin, qokain), Rosette #8 Outer Ring (okalol)	0.11846
f106r #12	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), o[fptk]ai4n (okaiin), o[tk]e0-4y (ceoky), otar variants (qotar)	f67v2 Protrusion #1 (okeeey), f69r Labeled Interior Bar #15 (cseo), Rosette #8 Outer Ring (okaiin, otar)	0.07206
f106r #13	7	o[fptk]ai4n (otaiin), o[fptk]e4dy (qotedy)	Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (qotedy)	0.04515
f106r #14	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceeody), do (dol), o[fptk]ai4n (okaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opcedy), o[tk]e0-4y (yteey), okal variants (qokal), opce0-4y (opcey)	f67v2 Diagram Exterior 4 (ceol), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68r3 Star Quadrant #8 Wand/Branch Head (doary), f68v2 Stars #8 (ypcey), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (aceeody, yteey), Rosette #8 Outer Ring (okaiin)	0.08348
f106r #15	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ce4a (cear), cedai4[lrsm | n] (cedal), o[fptk]ai4n (okain, otaiin, qokaiin, qokain), o[fptk]e4dy (qokeedy, otedy), o[tk]e0-4y (oty, qoteey, qoty, oky), okal variants (okal), ol[tk] (olkair), otar variants (otair, otar), yodai0-4n (cseodaiin)	f68r3 Star Quadrant #7 (otceal), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, olkoaiiin, otar, otedy, oty, qotedy)	0.18343
f106v #1	3	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (daly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [fptk]ai4[dlrsmg | n] (kar), c | c[fptk] + e4o (cseeo), cedai4[lrsm | n] (cedal), okar variants (okar, qokar), otar variants (otair, otar)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #3 (ceo), Rosette #3 Diagram Interior #3 (kary), Rosette #3 Outer Ring Sentence #1 (cedar, kar, okar, otar)	0.11991
f106v #2	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [tk]c-Initial (kceedy), [yo]dy endings (ceody), ce4a (cseeal), ep[yoa] (ceepar), o[fptk]ai4n (otaiin, qokain, qotaiin), ol[tk] (olkaiin), ora (oraiin)	f68v2 Stars #8 (ykeeepol), f68v3 Sides #1 (ceody), f69r Labeled Interior Bar #15 (cseo), f86v3 Jet Figure #4 (cealkar, qokain, tceeod), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (cseol, olkeeodaiin), Rosette #8 Smokestack (orarol)	0.10181
f106v #3	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]ai4n (ytain), o[tk]e0-4y (oteey), opce0-4y (qopcey), orai0-4n (orain), yodai0-4n (qodaiin)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68v2 Stars #8 (ypcey), f85r2 Quadrant 4 (orain, qodaiin), f86v3 Jet Figure #4 (oteey), Rosette #8 Exterior Label #1 (ofain)	0.10388
f106v #4	4	[yo]dy endings (ceody), ce4a (cear), kc-initial (kceedy), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (qokaiin, ykaiin), o[fptk]c + e0-4dy (qotcedy), o[fptk]e4dy (qotedy), oe sans oy + oe4y, oe0-4s (qoeedy), okal variants (qokal), opce0-4y (opcey), otal variants (otal), otar variants (qotar, ytar), oy + oe4y (qoeeey)	f67v2 Protrusion #3 (cear), f68v2 Stars #4 (oteoys), f85r2 Quadrant 2 (oloeorain, qotcedy), f86v3 Jet Figure #2 (qokaiin, ykaiin), Rosette #4 Compartment #2 (kcey), Rosette #4 Compartment #4 (opam, opceey, opceody, oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Outer Ring (otal, otar)	0.12845
f106v #5	8	o[fptk]ai4n (okain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy, qotcedy), otal variants (ceotal), otam variants (qotam), otar variants (qotar), yodai0-4n (qodaiin)	f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (qotam), f85r2 Quadrant 4 (qodaiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (otar)	0.09153
f106v #6	4	oe sans oy + oe4y, oe0-4s (oeedy), olai0-4n (olaiin), opce0-4dy (opcedy), otai0-4n (otaiin), otal variants (otal)	f85r2 Quadrant 2 (oloeorain), f86v3 Jet Figure #2 (otaiin), Rosette #4 Compartment #4 (olaiiin), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (otal)	0.10054
f106v #7	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor), o[fptk]c + e0-4dy (qokceedy), okal variants (okal)	Rosette #7 Left Label #3 (otcedy), Rosette #7 Outer Ring (cseor, okal)	0.06676
f106v #8	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseor), c | cs + e0-4[dlrsmg] (csed), cedai4[lrsm | n] (cedaiin, cedal), o[fptk]ai4n (qokaiin, qokain, qotaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcey, okcsey), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (okeedy), okal variants (okal), okar variants (qokar), okol variants (qokol), ora (oraiin)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (qokcedy), f68r3 Star Quadrant #8 (qokol), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (csed, okain, okair, okal, okcegy, oral), Rosette #1 Quadrant #4 (okedy)	0.17704
f106v #9	4	o[tk]e0-4y (qokeey), okal variants (okal), opce0-4dy (opcedy), yodai0-4n (odaiin)	f68v3 Sides #3 (okal), f86v3 Jet Figure #2 (qokeey), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (odaiin)	0.08477
f106v #10	4	[yo]dy endings (oteody), o[dlrs]ce4y Superset (olceey), o[fptk]e4dy (oteedy, qokeedy), o[tk]e0-4y (okeey, oty), oe0-4s (ceeos, cseeos), okar variants (qokar), otai0-4n (otaiin, otain, qotaiin)	f67v2 Diagram Exterior 2 (okeey, osalal), f85r2 Quadrant 2 (cseeos, qokar, qotaiin), f86v3 Jet Figure #2 (otaiin), Rosette #4 Compartment #4 (opceody, orcsey, oteedy), Rosette #4 Compartment #8 (ceeyky)	0.13809
f106v #11	3	[yo]dy endings (ody), eky (cseeky), oa (ceoaiin), oe sans oy + oe4y, oe0-4s (qoeedy), otar variants (qotar)	f67v2 East-Oriented Text (oafoaly), f68v3 Stars #2 (cseeky, cseoekeary), Rosette #3 Outer Ring Sentence #1 (otar, otody)	0.07538
f106v #12	7	[tk]c-Initial (kceedy), o[fptk]ai4n (okaiin, qotaiin, qokaiin), o[tk]e0-4y (qokeey), otos variants (otos), so (sol), yodai0-4l (odal)	f68r3 Star Quadrant #7 (qokeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (odal, otosaiiin, tcseed), Rosette #7-8 Bridge #1 (soiiin)	0.11033
f106v #13	7	o[fptk]ai4n (qokaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oty, qokeey), yodai0-4n (qodaiin)	f68r3 Star Quadrant #7 (qokeey), f68v1 Exterior Stars #7 (oteodain), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Outer Ring (oty)	0.07899
f106v #14	8	[yo][fptk]e4od + y (qoteeody), ko (kor), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), o[tk]e0-4y (oteey), opce0-4dy (opceedy)	f67v2 Diagram Exterior 4 (koaiin), f86v3 Jet Figure #4 (opceedy, oteey, yteeody), Rosette #8 Outer Ring (okaiin, oteedy)	0.08375
f106v #15	7	cedai4[lrsm | n] (ceedar), o[fptk]ai4n (okain, otaiin, qokaiin), o[fptk]e4dy (qokeedy, otedy, oteedy), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeeey, okeey, oky, oteey, oty, ceeyky), okal variants (okal), otar variants (ytar), yodai0-4n (odaiin)	f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (okal, otar, otedy, oteedaiiin, oty, qotedy)	0.17201
f107r #1	4	o[fptk]c + e0-4y (qokcey), o[tk]e0-4y (okeey, oteey), o[tk]e4s (okees), oe0-4s (cseeos), otai0-4n (otaiin), otar variants (ytar), otor variants (otor), yodai0-4r (odar)	f67v2 Diagram Exterior 2 (okeey), f85r2 Quadrant 2 (cseeos), f86v3 Jet Figure #2 (otaiin, oteey, otor), Rosette #4 Compartment #1 (qokcey), Rosette #4 Outer Ring (odar, okees, otar)	0.11855
f107r #2	6	[tk]e4dy (tedy), [tk]e4o (teeody), ceckey relatives (ceckey), cedai4[lrsm | n] (ceedaiin), o[fptk]ai4n (okaiin, qokain, ytaiin), o[fptk]c + e0-4dy (okceedy), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (okeedy, qokeedy), o[tk]e0-4y (qoteey, oteey), okar variants (qokar), otai0-4n (otaiin), otar variants (otar)	f85r2 Quadrant 3 (tedy), f86v3 Jet Figure #3 (okceey, otaiin, qotaiin, qoteey, teeody), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (ceckey, otar), Rosette #6 Upper-Right Attachment (csedain), Rosette #6-7 Bridge #2 (oteey)	0.14997
f107r #3	4	ce4a (cseeal), cedai4[lrsm | n] (ceeedaiin), kc-initial (kceedy), o[fptk]ai4n (okaiin, qokaiin, ytain), o[fptk]e4dy (yteedy, qokedy, qokeedy, okeedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (ceeedaiin, qokaiin, qokeey, ytaiin), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #2 (kcey, qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4-5 Bridge #2 (cseeal)	0.12039
f107r #4	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cseal, ceear), ek[yoa] (cseeky), o[fptk]ai4n (otain, qokaiin), o[tk]e0-4y (okeeey), oi (oiin), otar variants (otar)	f68r3 Star Quadrant #7 (otceal), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, oiin, otar)	0.12248
f107r #5	6	oe0-4s (os), otai0-4n (otaiin, qotaiin)	f86v3 Jet Figure #3 (otaiin, qotaiin), Rosette #6-7 Bridge Interior West (osy)	0.06164
f107r #6	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[tk]e0-4y (okeeey), oa (oaiin), oe0-4s (osy), opal variants (opal)	f85r2 Quadrant 1 (ceol), Rosette #2 Interior Ring (opal, yky), Rosette #2 Outer Ring (oaiin), Rosette #2 Protrusion Top (osal)	0.06383
f107r #7	9	ce4a (csear), o[fptk]ai4n (okaiiin, okaiin, okain), okal variants (qokal), okar variants (okair), ola (olal)	Rosette #9 Outer Ring Sentence #1 (okal), Rosette #9 Outer Ring Sentence #2 (csear, okaiiin, okar, olar)	0.10784
f107r #8	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceody, ceeody), ce4a (cear), o[fptk]c + e0-4dy (qokcedy), okal variants (okal, qokal), om (om), otar variants (otair)	f67v2 East-Oriented Text (dcseog), f68v3 Sides #2 (ceeody), Rosette #3 Outer Ring Sentence #1 (cseal, okom, otar, otody, qokal, qotcedy), Rosette #3 Outer Ring Sentence #2 (okal)	0.12503

f107r #9	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (kar), o[fptk]c + e0-4y (otcey), okal variants (ykal), or[yoa] (orol), otar variants (otar)	f67v2 East-Oriented Text (dcseog), Rosette #3 Diagram Interior #2 (okalain), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (kar, okcsey, otar)	0.08762
f107r #10	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (lceeol), [yo][fp]a (opal), ce4a (cseal), okal variants (okal), okar variants (okar), otar variants (otar)	f67v2 East-Oriented Text (dcseog), Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Outer Ring Sentence #1 (cseal, okar, otar), Rosette #3 Outer Ring Sentence #2 (okal)	0.09349
f107r #11	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), otai0-4n (otaiin, qotaiin), otar variants (otar)	f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (otaiin, qotaiin), Rosette #6 Outer Ring (ceckey, otar)	0.07401
f107r #12	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]ai4n (okaiin, qokaiin, qokain, qotaiin), oe sans oy + oe4y, oe0-4s (oeedy), oi (oiin), okal variants (okal, qokal), ol[tk] (olkar), opce0-4dy (opceedy), ora (orar), otal variants (otal), otam variants (otam), otar variants (otair)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (olkar, opceedy, otam, qokaiin, qokain), Rosette #7-8 Bridge #1 (soiiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #2 (yoe**ais), Rosette #8 Outer Ring (okaiin, okal, otar), Rosette #8 Smokestack (orarol)	0.17941
f107r #13	4	o[fptk]ai4n (qokaiin), o[tk]e0-4y (oteey, okeey), otal variants (otal)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (oteey, qokaiin), Rosette #4 Outer Ring (otal)	0.07238
f107r #14	4	o[fptk]ai4n (okain, qokaiin), o[fptk]e4dy (qokeedy), opal variants (opal), otai0-4n (otaiin), otal variants (otal), yodai0-4n (qodaiin)	f86v3 Jet Figure #2 (otaiin, qodaiin, qokaiin, ytaiin), Rosette #4 Compartment #4 (oteedy), Rosette #4 Outer Ring (opal, otal)	0.12224
f107r #15	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (ytaiin), o[fptk]c + e0-4y (otcey), o[tk]e0-4y (oty, qoky), okar variants (okair), om (om), otai0-4n (otaiin, otain, qotaiin), otal variants (otal)	f85r2 Quadrant 2 (qotaiin), f86v3 Jet Figure #2 (ceeeor, om, otaiin, qoky, ytaiin), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (okary, otal, otecseey)	0.12439
f107v #1	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]c + e4dy (oceedy), [yo]dy endings (ceody), eky (ceeky), kc-initial (kcey), o[fptk]ai4n (qokaiin, qokain), o[fptk]e4dy (otedy, qokedy), oe0-4s (oteos), okar variants (qokar), ol[tk] (olkair), otai0-4n (otaiin), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (osalal), f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ceeeor, oceedy, otaiin, qokaiin, ytaiin), Rosette #4 Compartment #1 (ceeky), Rosette #4 Compartment #2 (kcey, qokedy), Rosette #4 Compartment #4 (opceody), Rosette #4 Outer Ring (olkar, otal, otar, otedy)	0.17085
f107v #2	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseeo), o[fptk]ai4n (okaiin, qokain, qotaiin), o[tk]e0-4y (qokeey, oky), okal variants (qokal), opce0-4dy (opceedy), otar variants (ytar)	f67v2 Protrusion #1 (okeeey), f69r Labeled Interior Bar #15 (cseo), f85r2 Quadrant 4 (qokal), f86v3 Jet Figure #4 (opceedy, qokain, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okaiin, otar)	0.11708
f107v #3	4	o[fptk]ai4n (qokaiin, qokain), o[fptk]e4dy (qokedy, qotedy), o[tk]e0-4y (qoky), okol variants (qokol), yodai0-4n (cseodaiin)	f86v3 Jet Figure #2 (qokaiin, qoky, ytaiin), Rosette #4 Compartment #1 (cseodaiiin, okol), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy)	0.11275
f107v #4	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, lceeol), [yo]dy endings (ceeody), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin, okain, qokaiin, qokain), o[fptk]c + e0-4dy (okcedy), o[tk]e0-4y (okeey, qokeey), okal variants (qokal, okal), okar variants (qokar), otai0-4n (qotaiin, otain), otal variants (otal), otol variants (otol), yodai0-4r (odar)	f67v2 Diagram Exterior 2 (okeey), f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qokar, qotaiin), f86v3 Jet Figure #2 (ceeeor, qokaiin, qokeey, ytaiin), Rosette #4 Compartment #4 (opam, opceody), Rosette #4 Compartment #5 (otol), Rosette #4 Compartment #7 (opcedy, qokal), Rosette #4 Outer Ring (odar, otal)	0.20451
f107v #5	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), ceckey relatives (ceckey), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, otaiin, qokain), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin)	f67v2 Diagram Exterior 4 (ceol), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f85r2 Quadrant 4 (ceckey, olaiin, qokeody), f86v3 Jet Figure #4 (opaiin, qokain), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (lsaiin, okaiin, okal, oteedy)	0.19296
f107v #6	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [yo][fp]a (opal), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), kc-initial (kceedy), o[lr]a (olaiin), okal variants (okal), okol variants (qokol), otal variants (otal), otar variants (otar)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #2 (kcey), f68r3 Star Quadrant #3 (qokol), f68v1 Exterior Stars #4 (otaly), f68v3 Sides #2 (ceeody), Rosette #3 Diagram Interior #1 (ofairy), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (cedar, kar, otar), Rosette #3 Outer Ring Sentence #2 (okal)	0.16061
f107v #7	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (cear), olai0-4n (olaiin), otal variants (otal)	f67v2 Protrusion #3 (cear), f86v3 Jet Figure #2 (ceeeor), Rosette #4 Compartment #4 (olaiiin), Rosette #4 Outer Ring (otal)	0.09681
f107v #8	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (qokain, okaiin, okain), o[fptk]c + e0-4y (okceey), o[tk]e0-4y (oty), okol variants (okol), opce0-4y (opceey), ora (oraiin), otal variants (otal)	f67v2 Diagram Exterior 4 (okol), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo), f86v3 Jet Figure #4 (aceeody, qokain), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okaiin), Rosette #8 Smokestack (orarol)	0.11594
f107v #9	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, otaiin, qokaiin), o[fptk]c + e0-4dy (qokceedy), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qokeey, qoky, qoty)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #11 (ceeody), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, qotedy)	0.12992
f107v #10	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin, otaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okedy), oa (oaiin), orai0-4n (orain), yodai0-4n (odain, qodaiin)	f67v2 Diagram Exterior 4 (ceol), f85r2 Quadrant 4 (orain, qodaiin), f86v3 Jet Figure #4 (otceey, qokaiin, ykaiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (oas, okaiin, okedy, olkeeodaiin)	0.16771
f107v #11	2	ceckey relatives (ceckey), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokeedy), okar variants (okar), yodai0-4n (odain)	f86v3 Jet Figure #1 (ceckey, qokaiin, qokeedy), Rosette #2 Bottom Exterior Label (okar), Rosette #2 Outer Ring (okodain)	0.10596
f107v #12	1	o[fptk]ai4n (okaiin, okain, qokaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okceey), o[tk]e0-4y (oteey), okal variants (okal), okol variants (qokol), ol[tk] (olkaiin)	f68r3 Star Quadrant #8 (qokol), Rosette #1 Outer Ring (okain, okal, okcegy, olkaiin, yky)	0.13847
f107v #13	8	[fptk]e0-4y (keey), [yo][fptk]e4o (okeeo), o[fptk]ai4n (qokain), o[tk]e0-4y (qokeey, oteey), orai0-4n (orain)	f69r Labeled Interior Bar #15 (okeo), f85r2 Quadrant 4 (orain), f86v3 Jet Figure #4 (keeey, oteey, qokain, qokeey)	0.12735
f107v #14	4	aro[dlrsmg] (arody), ceckey relatives (ceckey), o[tk]e0-4y (qokeey), opce0-4y (opceey)	f86v3 Jet Figure #2 (qokeey), Rosette #4 Compartment #4 (opceey), Rosette #4 Compartment #6 (oparod), Rosette #4 Outer Ring (ceckey)	0.13874
f107v #15	7	[yo]dy endings (ceody), o[fptk]ai4n (okain, otain), o[fptk]e4dy (oteedy, qokeedy), o[tk]e0-4y (qokeey, qoky, qoteey, oteey), yodai0-4n (odain)	f68r3 Star Quadrant #7 (qokeey), f68v1 Exterior Stars #7 (oteodain), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (qotedy)	0.12918
f108r #1	5	[yo]dy endings (ody), o[fptk]e4dy (okedy, otedy, qokeedy), o[fptk]edal (okedal)	Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Outer Ring (ody, okedal)	0.10598
f108r #2	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okceey), o[fptk]c + e0-4dy (qokceedy), o[fptk]e4dy (qokedy, qokeedy, qotedy, okedy, otedy), o[tk]e0-4y (oteey, okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), Rosette #4-5 Bridge #1 (okar), Rosette #4-5 Bridge #2 (cseeal), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (yky)	0.18134
f108r #3	5	[fptk]ai4[dlrsmg | n] (taiin), [yo]dy endings (ody), o[fptk]e4dy (okedy, okeedy, ykeedy), o[tk]e0-4y (qoteey, okeey, okey, oteey), okar variants (qokar), otar variants (qotar)	f68v1 Exterior Stars #5 (okeey), f69r Labeled Interior Bar #5 (okey, tam), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Outer Ring (ody, okair, otar, yky)	0.12610
f108r #4	8	o[fptk]ai4n (okaiin, qokaiin), o[fptk]c + e0-4y (okceey), o[tk]e0-4y (okeey, ykeey), okal variants (okal), ol[yoa] (oly), otal variants (otal), yodai0-4n (odaiin)	f67v2 Protrusion #1 (okeeey), f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #14 (ceotal), f86v3 Jet Figure #4 (qokaiin, ykeey), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (okaiin, okal, olkeeodaiin)	0.12373
f108r #5	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), ceckey relatives (ceckey), o[fptk]ai4n (okain, qokaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opcedy), o[fptk]c + e0-4dy (okceedy), o[tk]e0-4y (qokeey), oe sans oy + oe4y, oe0-4s (qoeedy), ofal variants (ofal), okal variants (qokal), ol[tk] (olkaiin), orai0-4n (orain)	f67v2 Diagram Exterior 4 (ofal), f68v2 Stars #8 (ypcey), f85r2 Quadrant 4 (ceckey, orain, qokal), f86v3 Jet Figure #4 (cseor, okceedy, qokaiin, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #2 (yoe**ais), Rosette #8 Outer Ring (cseol, olkeeodaiin)	0.16975
f108r #6	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, okeedy, otedy, qokedy, qokeedy), o[fptk]eda[lrsm | n] (okedaiin), o-axis of [yo][fptk][ao][lr] (qokol), okal variants (okalol), okol variants (okol), om (om)	f67v2 Diagram Exterior 4 (ceol, okol), f86v3 Jet Figure #4 (qokedy), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okalol, okedy, okeedy, okor, om, otdar, oteedy)	0.13531
f108r #7	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), o[fptk]ai4n (okain, qokaiin), o[fptk]e4dy (qotedy), oe sans oy + oe4y, oe0-4s (qoeedy), otal variants (otal)	f85r2 Quadrant 2 (oloeorain), f86v3 Jet Figure #2 (ceeeor, qokaiin, ytaiin), Rosette #4 Compartment #4 (oteedy), Rosette #4 Outer Ring (otal)	0.08198
f108r #8	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedal, cedar), o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e0-4dy (opceedy), o[fptk]e4dy (okedy, qotedy, qokedy, qokeedy), o[fptk]eda[lrsm | n] (okedam), o[tk]e0-4y (okeey, qokeey), okal variants (okal, qokal)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Outer Ring (cseor, okal, oteedaiiin, qotedy)	0.17959
f108r #9	4	cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (okceedy), o[fptk]e4dy (okedy, okeedy, otedy), otai0-4n (qotaiin)	f85r2 Quadrant 2 (qotaiin), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (ceedal, otedy)	0.11976
f108r #10	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), o[fptk]ai4n (okain), o[fptk]e4dy (okedy, otedy, qokedy, qokeedy, qotedy), okal variants (qokal), okar variants (okar), otal variants (otal)	f86v3 Jet Figure #2 (ceeeor, ytaiin), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (qokal), Rosette #4 Outer Ring (ceckey, otal, otedy)	0.21622
f108r #11	4	cedai4[lrsm | n] (cedar, ceedal), o[fptk]e4dy (okedy, okeedy), okal variants (qokal), opce0-4dy (opcedy), opce0-4y (opceey)	Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #4 (opceey, oteedy), Rosette #4 Compartment #7 (opcedy, qokal), Rosette #4 Outer Ring (cecedam, ceedal)	0.12790
f108r #12	7	[tk]c-Initial (tceedy), [yo]dy endings (dceeeody), o[fptk]e4dy (otedy, qokeedy), o[tk]e0-4y (qokeey, okeey)	f68r3 Star Quadrant #6 (dceeeody), f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Outer Ring (otedy, qotedy, tcseed)	0.12135
f108r #13	5	[ao][lr][ao][lr] Pipe/Flow (olal), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (otedy, oteedy, okedy, okeedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (qokeey, okeey, okey), okar variants (qokar, okar), om + o[fptk | dlrsmg]am (otam)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f69r Labeled Interior Bar #5 (okey), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, okair, sarol, yky)	0.19128
f108r #14	5	[fptk]e0-4y (keey), cedai4[lrsm | n] (cedar), o[fptk]e4dy (okedy, otedy, oteedy, qokedy, qokeedy, yteedy), o[tk]e0-4y (qokeey, okeey)	f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (keey), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #5 (okedy),	0.19440

			Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (yky)	
f108v #1	7	ce4a (cseal), o[fptk]ai4n (okain), o[fptk]e4dy (otedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (oteey)	f68r3 Star Quadrant #7 (otceal), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (otedy, qotedy)	0.09248
f108v #2	5	cedai4[lrsm | n] (ceedal), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, qokedy, qokeedy, okedy, okeedy), o[fptk]edal (otedal), o[tk]e0-4y (qokeey, otey, oty, okeey), okal variants (okal, qokal), okar variants (qokar, okar, okair), ol[tk] (ceolkain), om + o[fptk | dlrsmg]am (om)	f68v1 Exterior Stars #5 (okeey), f68v3 Stars #3 (qokal), Rosette #4-5 Bridge #1 (okar), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (okair, okal, okedal, olky, yky)	0.18855
f108v #3	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [tk]e4o (teeody), ceckey relatives (ceckey), o[fptk]e4dy (qokedy, qokeedy), o[tk]e0-4y (qokeey, okeey), olai0-4n (olaiin), or[yoa] (oral)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (ceeeor, qokeey), Rosette #4 Compartment #2 (keo, qokedy), Rosette #4 Compartment #4 (olaiiin, oteedy), Rosette #4 Outer Ring (ceckey, oror)	0.15115
f108v #4	7	[tk]e4dy (tedy), o[fptk]ai4n (qokain), o[fptk]e4dy (okedy), o[tk]e0-4y (okeey, okey, oty, qokeey)	f68r3 Star Quadrant #7 (qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #5 (cekeedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (oty, qotedy)	0.08847
f108v #5	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseol), [yo]dy endings (ceeody), ce4a (cear), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (okaiin, otaiin), o[fptk]e4dy (otedy, qotedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otar), yodai0-4r (odar)	f68r3 Star Quadrant #7 (otceal), f68v2 Star Divider #6 (odair), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (cseor, okal, otar, otedy, qotedy)	0.11958
f108v #6	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), o[fptk]e4dy (qokeedy), otai0-4n (otain)	f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (otain, qokeedy)	0.06312
f108v #7	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | cs + e0-4[dlrsmg] (cseed), cedai4[lrsm | n] (cseedaiin, ceedar), o[fptk]e4dy (otedy, oteedy, qokedy, qokeedy, qotedy), o[tk]e0-4y (oteey)	f68r3 Star Quadrant #5 (dcseol), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (yky), Rosette #5-6 Bridge #1 (cseed)	0.14566
f108v #8	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [tk]e4dy (tedy), [yo]dy endings (okeody), ce4a (ceear, cseeal), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]ai4n (okain, otaiin, qokain, qotaiin), o[fptk]e4dy (qotedy, qokedy, qokeedy, otedy, oteedy, okeedy), o[tk]e0-4y (okeey, oteey, ceoteey, qokeey, okey, ykeey), oce4y (oceey), okal variants (qokal), olo (olor), yodai0-4n (cseodain)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #5 (cekeedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, okal, olor, otedy, qotedy)	0.26354
f111r #1	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (lceeol), ce4a (csear), cedai4[lrsm | n] (cedar), et[yoa] (ceetal), o[fptk]ai4n (otain), o[fptk]e4dy (oteedy, qokedy), o[fptk]edal (okedal), o[tk]e0-4y (okeey, qokeey, oteey)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v1 Exterior Stars #8 (cpceety), f68v2 Star Divider #7 (dceedal), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (cseor, okedal, qotedy)	0.12680
f111r #2	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceody, oteody, qokeody), ce4a (cear), cedai4[lrsm | n] (ceedar), ek[yoa] (ceeky), eka (cseekal), o[fptk]ai4n (qokain, okain), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (okeedy, qokedy, qokeedy, otedy, oteedy), o[tk]e0-4y (oteey, otey, oty, qokeey, okeey, okey, qoteey, ykeey, qoky), oa (soaiin, oaiin), oce4y (oceey), oce4y + infixed versions (ockey), oe0-4s (ceeos), oi (oir), olai0-4n (olaiiin), ora (oraiin, orain), otar variants (otar), yodai0-4n (odaiin)	f68r3 Star Quadrant #7 (otceal, qokeey), f68v1 Exterior Stars #7 (oteodain), f68v2 Star Divider #7 (dceedal), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #12 (okeey), f69r Labeled Interior Bar #13 (dkocey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, oiin, olaiiin, olkoaiiin, orar, otar, otedy, otosaiiin, oty, qotedy)	0.25555
f111r #3	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ceeody), ceckey relatives (ceckey), o[fptk]e4dy (okedy, okeedy, otedy, oteedy, qokeedy), o[tk]e0-4y (qokeey, okeey)	f68r3 Star Quadrant #5 (dcseol), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey), f68v3 Stars #3 (keey), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #5 (okedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Outer Ring (keeody, yky)	0.11086
f111r #4	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseeo), [fptk]e0-4y (keeey, keey), [yo][fptk]e4d (oteed), [yo][fptk]e4o (okeeo), ce4a (cseal), o[tk]e0-4y (okeey, oty, qokeey, qoky)	f67v2 Protrusion #1 (okeeey), f69r Labeled Interior Bar #15 (cseo, okeo), f86v3 Jet Figure #4 (cealkar, keeey, qokeey), Rosette #8 Outer Ring (oteed)	0.07790
f111r #5	8	[fptk]e0-4y (keeey), ceckey relatives (ceckey), o[fptk]ai4n (qokaiin, qokain), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qokeey, okeey)	f67v2 Protrusion #1 (okeeey), f85r2 Quadrant 4 (ceckey), f86v3 Jet Figure #4 (keeey, qokaiin, qokain, qokeey), Rosette #8 Outer Ring (oteedy)	0.10863
f111r #6	4	ce4a (cear, cseeal), ceckey relatives (ceckey), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4y (okcey), o[tk]e0-4y (qokeey), okal variants (qokal, okal), otai0-4n (otain)	f67v2 Protrusion #3 (cear), f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qotaiin), f86v3 Jet Figure #2 (qokaiin, qokeey), Rosette #4 Compartment #7 (qokal), Rosette #4 Outer Ring (ceckey, otecseey), Rosette #4-5 Bridge #2 (cseeal)	0.12555
f111v #1	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]c-Initial (kcey), [yo][fptk]e4d (oteed), [yo][fptk]e4o (okeeo), c | cs + e0-4[dlrsmg] (cseed), ce4a (cseal, ceear), ceckey relatives (ceeckey, ceckeey, ceckey), cedai4[lrsm | n] (ceedar), l[drs] Prefixes (ldy, ls), l-prefix + [fptk | dlrsmg]ai4[dlrsmg | n] (lkam), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain, qotaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, okedy, qotedy, qokedy, qokeedy), o[tk]e0-4y (qokeey, okeeey, okeey), oa (oaiin), okal variants (qokal), okc + e4or (okceor), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo, okeo), f85r2 Quadrant 4 (ceckey, qokal), f86v3 Jet Figure #4 (cealkar, ceeckey, okceor, otceey, qokaiin, qokain, qokedy, qokeey, tceeod), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (cseees, lsaiin, oas, okaiin, okedy, otar, oteed, oteedy)	0.22108
f111v #2	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseeo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (csear, cear, ceear), lc-initial (lceeol), o[fptk]ai4n (okaiin, okain, otain, qokaiin, qokain), o[fptk]c + e0-4dy (qokcseedy), o[tk]e0-4y (qoky), okal variants (qokal, okal)	f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f69r Labeled Interior Bar #15 (cseo), f85r2 Hand-Raisers 4 (lceeol), f85r2 Quadrant 4 (qokal, qokcseedy), f86v3 Jet Figure #4 (cealkar, qokaiin, qokain), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okaiin, okal)	0.12408
f111v #3	9	ce4a (ceear), o[fptk]ai4n (okain, otain, qokain), ol[tk] (olkar)	Rosette #9 Outer Ring Sentence #1 (cseax), Rosette #9 Outer Ring Sentence #2 (okaiiin, olkalor)	0.05288
f111v #4	8	o[fptk]ai4n (otain, qokain), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (qokeey)	f86v3 Jet Figure #4 (otceey, qokain, qokeey), Rosette #8 Exterior Label #1 (ofain)	0.09332
f111v #5	1	l[drs] Prefixes (ldy), o[fptk]ai4n (qokain)	Rosette #1 Outer Ring (ldy, okain)	0.05767
f111v #6	4	ce4a (cear), eka (cekar), o[fptk]ai4n (okain)	f67v2 Protrusion #3 (cear), f86v3 Jet Figure #2 (ytaiin), Rosette #4 Outer Ring (ceekaiiin)	0.05471
f111v #7	4	o[fptk]ai4n (okaiin, qokain), o[lr]o (olor), okar variants (qokar, okar), opce0-4dy (opceedy), otar variants (otar, qotar)	f85r2 Quadrant 2 (qokar), f86v3 Jet Figure #2 (ytaiin), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #8 (opceedy), Rosette #4 Outer Ring (oror, otar)	0.09424
f111v #8	8	ce4a (ceear, csear), ceckey relatives (ceckey), o[fptk]ai4n (okaiin, okain, otain, qokain), o[fptk]e4dy (oteedy, qokeedy, okedy, okeedy), o[tk]e0-4y (qokeey, oteey), oa (oaiin), okal variants (qokal), olai0-4n (olaiin)	f85r2 Quadrant 4 (ceckey, olaiin, qokal), f86v3 Jet Figure #4 (cealkar, oteey, qokain, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (oas, okaiin, okedy, okeedy, oteedy)	0.14600
f111v #9	4	ce4a (cseeal), ceckey relatives (ceckeey, ceckey), o[fptk]ai4n (okain), o[tk]e0-4y (okeeey, qokeey), opce0-4dy (opceedy), opce0-4y (opceey), so (sol)	f85r2 Quadrant 2 (ceckeey), f86v3 Jet Figure #2 (qokeey, ytaiin), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #4 (opceey), Rosette #4 Compartment #8 (ceeyky, opceedy), Rosette #4 Outer Ring (ceckey), Rosette #4-5 Bridge #2 (cseeal)	0.10404
f111v #10	1	o[fptk]ai4n (okain, otain, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opcey), o[tk]e0-4y (okeey), ory (sory)	Rosette #1 Outer Ring (okain, okcegy, yky), Rosette #1 Quadrant #10 (okory)	0.09739
f112r #1	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (taiin), [fptk]e0-4y (keey), [yo]dy endings (ody, dody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]c + e0-4dy (qotceedy), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy, oteedy), o[fptk]ody (otody), o[tk]e0-4y (oty, oteey, qokeey, okeeey, okeey), okod variants (okody), ola (olaiin), otar variants (otair, otar), x (xar), yodai0-4n (qodain)	f67v2 South-Oriented Text (okolarm), f68r3 Star Quadrant #5 (dcseol, qokcey), f68v3 Sides #3 (okeey), f68v3 Stars #3 (keey), f69r Labeled Interior Bar #5 (tam), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, odaiiin, ody, okody, otar, xdor, yky)	0.24009
f112r #2	4	[tk]c-Initial (tceedy), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (oteedy, okeedy, qokedy), o[tk]e0-4y (qokeey, qoteey, okeey, oteey, otey), otai0-4n (otaiin)	f67v2 Diagram Exterior 2 (okeey), f85r2 Quadrant 2 (otceedy, tceedy), f86v3 Jet Figure #2 (otaiin, oteey, qokeey, qoteey), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #8 (ceeyky)	0.21769
f112r #3	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (ceody), o[fptk]ai4n (otain), o[fptk]e4dy (otedy, qokeedy, okedy), o[tk]e0-4y (qokeey), okal variants (okal)	f67v2 North-Oriented Text (dceeeor), f68v3 Sides #1 (ceody), Rosette #1 Outer Ring (okain, okal, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.09611
f112r #4	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ody), eky (cseeky), ke4o (keody), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeeey, qokeey, qoky), otal variants (otaly)	f68v1 Exterior Stars #4 (otaly), f68v3 Sides #3 (ody), f68v3 Stars #2 (cseeky), f86v3 Jet Figure #2 (ceeeor, qokeey, qoky), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #2 (keo), Rosette #4 Compartment #8 (ceeyky)	0.10005
f112r #5	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), o[fptk]e4dy (okeedy, otedy, qokedy), o[tk]e0-4y (oty, okey)	Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, otedy, oty, qotedy)	0.08151
f112r #6	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fptk]e4od + y (okeody), ceckey relatives (ceckey), o[fptk]ai4n (okaiin, qokain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (ytceedy), o[fptk]e4dy (qokedy, qokeedy, otedy), o[tk]e0-4y (oteey, qokeey), ol[yoa] (olor), opce0-4dy (opceedy)	f67v2 Diagram Exterior 4 (ceol), f68v2 Stars #8 (ypcey), f85r2 Quadrant 4 (ceckey), f86v3 Jet Figure #4 (opceedy, oteey, qokain, qokedy, qokeey, yteeody), Rosette #8 Exterior Label #6 (olal), Rosette #8 Outer Ring (okaiin, oteedy)	0.14089
f112r #7	7	[ao][lr][ao][lr] Pipe/Flow (sarol), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okaiin, otain), o[tk]e0-4y (oteey)	f68v2 Star Divider #7 (dceedal), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (orar)	0.07301
f112r #8	2	a[dlrsmg]am (aram), a[lr]an (araiin), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (otedy, qotedy, okeedy), o[tk]e0-4y (okeey, qoky), okar variants (qokar), ola (olaiin), sai4n (sain)	f68r3 Star Quadrant #1 (qokcedy), f85r2 Quadrant 1 (sain), f86v3 Jet Figure #1 (araiin), Rosette #2 Interior Ring (aram, oekairy, yky), Rosette #2 Outer Ring (okeedy, olar, oteoteedy), Rosette #2 Protrusion Exterior (otedy)	0.16963
f112r #9	8	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (qokaiin, okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (qoky, okeey), okal variants (okal)	f67v2 Protrusion #1 (okeeey), f86v3 Jet Figure #4 (qokaiin, yteeody), Rosette #8 Outer Ring (okaiin, okal, okedy, okeedy, oteedy)	0.18077
f112r #10	9	o[fptk]ai4n (okaiiin), o[fptk]c + e0-4dy (okceedy), o[fptk]c + e0-4y (okceey, okcey, qokcey), o[fptk]e4dy (otedy), o[lr]y (ory), okal variants (okal, qokal), okar variants (okar), opal variants (opal)	Rosette #9 Center #17 (otedy), Rosette #9 Center #9 (ypal), Rosette #9 Outer Ring Sentence #1 (okal, otcsee), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, okcedy, oly)	0.15714
f112r #11	1	[yo][fptk]e4o (yteeo), [yo][fptk]e4od + y (oteody), [yo]dy endings (arody, ceody), [yo]e0-4[fp]e0-4[yo] (opor), o[fptk]ai4n (qokaiin), o[fptk]e4dy (okeedy, oteeedy), o[tk]e0-4y (okeeey, okeey, qokeey, yky), okar variants (okar, okary), ora (orar)	f68v3 Sides #1 (ceody), f69r Labeled Interior Bar #16 (oteody), Rosette #1 Outer Ring (ody, okain, okair, okeo, opy, oral, yky), Rosette #1 Quadrant #4 (okedy)	0.14311
f112v #1	7	[yo]pa (opal), ce4a (ceear), o[fptk]ai4n (okaiin, okain), o[fptk]e4dy (okedy, qokeedy), o[tk]e0-4y (qokeey, qoky, oteey, oty, okeey, okey),	f68r3 Star Quadrant #7 (otceal, qokeey), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left	0.17991

		oa (oaiin, oar), okal variants (qokal), ora (oraiin), osa (osal)	Label #2 (opaiiino), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (oar, okal, olkoaiiin, orar, otosaiiin, oty, qotedy)	
f112v #2	4	cedai4[lrsm | n] (opcedar), eka (ceekaiiin), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (qokcedy, okceedy), oa (soaiin), o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar), oro (oror), otai0-4n (otaiin), otal variants (otal)	f68v3 Sides #3 (okal), f86v3 Jet Figure #2 (otaiin, ytaiin), Rosette #4 Compartment #1 (okar, okol), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (cecedam, ceekaiiin, oror, otal)	0.16488
f112v #3	4	cedai4[lrsm | n] (ceedaiin, ceedal), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qoty, oteey), ol[tk] (olky)	f85r2 Quadrant 2 (otceedy), f86v3 Jet Figure #2 (oteey, qokaiin, qoty), Rosette #4 Compartment #4 (opam, oteedy), Rosette #4 Outer Ring (cecedam, ceedal, olkar)	0.11217
f112v #4	8	cedai4[lrsm | n] (cedaiin), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, okeedy), o[tk]e0-4y (okeey, qokeey), oe4y (qoeeey), olai0-4n (olaiin), otal variants (otal), otam variants (qotam)	f67v2 Protrusion #1 (okeeey), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (qotam), f85r2 Quadrant 4 (olaiin), f86v3 Jet Figure #4 (qokain, qokeey), Rosette #8 (okcedarar), Rosette #8 Outer Ring (okeedy, oteedy, qoeey)	0.11206
f112v #5	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), o[fptk]ai4n (qokaiin, qotaiin), o[fptk]e4dy (qokedy), o[tk]e0-4y (qokeey), oe sans oy + oe4y, oe0-4s (qoeedy)	f67v2 Diagram Exterior 4 (ceol), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f86v3 Jet Figure #4 (qokaiin, qokedy, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #2 (yoe**ais)	0.11386
f112v #6	4	cedai4[lrsm | n] (ceeedaiin), o[fptk]ai4n (okain), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (qokeedy)	f85r2 Quadrant 2 (otceedy), f86v3 Jet Figure #2 (ceeedaiin, ytaiin), Rosette #4 Compartment #4 (oteedy)	0.09925
f112v #7	8	ceckey relatives (ceeckey), o[fptk]ai4n (otaiin), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qokeey)	f86v3 Jet Figure #4 (ceeckey, qokeey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (oteedy)	0.06284
f112v #8	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]e4dy (okeedy, qotedy), o[fptk]eda[lrsm | n] (okedal), o[tk]e0-4y (ykeey), oe4y (qoeey)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f86v3 Jet Figure #4 (ykeey), Rosette #8 Outer Ring (okeedy, otdar, oteedy, qoeey)	0.10945
f112v #9	1	[ao][lr][ao][lr] Pipe/Flow (arar), [yo][fptk]e4od + y (oteody), o[fptk]c + e0-4dy (opcedy), o[fptk]e4dy (okedy)	f69r Labeled Interior Bar #16 (oteody), Rosette #1 Outer Ring (okcedy, oral), Rosette #1 Quadrant #4 (okedy)	0.09343
f112v #10	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeeor, ceol), ceckey relatives (ceeckey), cedai4[lrsm | n] (ceedaiin), c-sequence + e4 + [fptk] + e4 + y (ceeekey), o[fptk]ai4n (qokaiin), o[fptk]e4dy (qokedy, qokeedy, okeedy), okar variants (okar), otai0-4n (otaiin)	f86v3 Jet Figure #2 (ceeeor, otaiin, qokaiin), Rosette #4 Compartment #1 (okar, okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #4 (oteedy), Rosette #4 Outer Ring (cecedam, ceckey, ceetey)	0.13558
f112v #11	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), cedai4[lrsm | n] (ceedar), eky (ceeky), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (qokeedy, qotedy), o[tk]e0-4y (okeey), oi (oiin), otai0-4n (otaiin), sai4n (sain)	f67v2 Diagram Exterior 1 (oir), f85r2 Quadrant 1 (ceol, sain), f86v3 Jet Figure #1 (qokaiin, qokeedy, qotaiin), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (ceeky, oteoteedy), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (ceedar)	0.13604
f112v #12	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), ceckey relatives (ceckey), o[fptk]ai4n (okaiin, okain), o[fptk]e4dy (oteedy), o[tk]e0-4y (qoteey), otam variants (otam)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (ceeol), f85r2 Quadrant 4 (ceckey), f86v3 Jet Figure #4 (otam), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okaiin, oteedy)	0.13482
f112v #13	1	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kar), [yo][fp]a (opal), cedai4[lrsm | n] (cedal), ek[yoa] (ceeky), o[fptk]ai4n (okaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (opcey, otceey), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (qokedy, ykeedy), o[tk]e0-4y (ykeey, oty), okal variants (okal), ol[tk] (olkaiin), otol variants (otol)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (qokcedy), f68v3 Stars #1 (cedail, sceekol), f69r Labeled Interior Bar #18 (ykeey), Rosette #1 Outer Ring (ary, kaiir, okain, okal, okcegy, olkaiin, otol, yky), Rosette #1 Quadrant #4 (okedy), Rosette #1 Quadrant #5 (ofary)	0.15861
f113r #1	8	o[fptk]e4dy (okeedy, qokedy), o[tk]e0-4y (oteey, oty), oa (oal), o-axis of [yo][fptk][ao][lr] (ykol)	f67v2 Protrusion #1 (okeeey), f68r3 Star Quadrant #8 Wand/Branch (oal), f86v3 Jet Figure #4 (oteey, qokedy), Rosette #8 Outer Ring (okeedy, okor)	0.06810
f113r #2	4	[yo][fptk]e4o (okeeo), ce4a (cear), ceckey relatives (ceckey), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (qokceedy), o[fptk]e4dy (qokedy), o[tk]e0-4y (okeey), oe0-4s (oteeos), okol variants (okol), otai0-4n (otain), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (okeey, osalal), f67v2 Protrusion #3 (cear), f69r Labeled Interior Bar #4 (okeeo), f85r2 Quadrant 2 (qotaiin), f86v3 Jet Figure #2 (qokaiin), Rosette #4 Compartment #1 (okol), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (ceckey, otal, otar)	0.11526
f113r #3	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), [yo]dy endings (ceody), o[fptk]ai4n (qokaiin, okaiin), o[tk]e0-4y (qokeey, oteey), oe0-4s (dceos), opce0-4y (qopcey), otal variants (otal)	f68v2 Stars #8 (ypcey), f68v3 Sides #1 (ceody), f69r Labeled Interior Bar #14 (ceotal), f69r Labeled Interior Bar #15 (cseo), f86v3 Jet Figure #4 (oteey, qokaiin, qokeey), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (okaiin)	0.11966
f113r #4	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseeo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, ceor), [yo][fptk]e4od + y (qokeody), ke4o (keody), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceedy), o[tk]e0-4y (qoty), oe4y (qoeey), otam variants (otam)	f67v2 Protrusion #1 (okeeey), f68v2 Stars #8 (ypcey), f68v3 Sides #1 (keody), f69r Labeled Interior Bar #15 (cseo), f85r2 Quadrant 4 (qokeody), f86v3 Jet Figure #4 (otam), Rosette #8 Exterior Label #7 (dceos), Rosette #8 Outer Ring (cseol, qoeey)	0.09949
f113r #5	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [tk]c-Initial (kceedy), [yo]dy endings (ceeody), o[fptk]e4dy (qotedy), oi (oiiin)	f69r Labeled Interior Bar #11 (ceeody), Rosette #7 Outer Ring (cseor, oiin, qotedy, tcseed)	0.07045
f113r #6	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, ceeol), ce4a (csear, cear), ceckey relatives (ceckeey), cedai4[lrsm | n] (ceedaiin), do (dor), o[fptk]e4dy (okeedy, qokeedy), o[tk]e0-4y (qokeey, qoky), ol[tk] (olkaiin)	f67v2 Protrusion #3 (cear), f85r2 Quadrant 2 (ceckeey), f86v3 Jet Figure #2 (ceeeor, qokeey, qoky), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #3 (dor), Rosette #4 Compartment #4 (oteedy), Rosette #4 Outer Ring (cecedam, olkar), Rosette #4-5 Bridge #2 (cseeal)	0.10172
f113r #7	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceor, csool), [yo]dy endings (okeody), o[fptk]c + e0-4dy (otcedy), oi (oiin)	Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (cseor, oiin)	0.09143
f113r #8	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor), aro[dlrsmg] (arody), ceckey relatives (ceckeey), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (okceedy), o[fptk]c + e0-4y (qokcey), okal variants (qokal)	f85r2 Quadrant 2 (ceckeey), f86v3 Jet Figure #2 (ceeeor, qokaiin), Rosette #4 Compartment #1 (qokcey), Rosette #4 Compartment #6 (oparod), Rosette #4 Compartment #7 (opcedy, qokal)	0.10273
f113r #9	4	ce4a (cear), o[fptk]e4dy (okeedy)	f67v2 Protrusion #3 (cear), Rosette #4 Compartment #1 (okeedy)	0.03905
f113r #10	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, cseor), [tk]c-Initial (tceeody, tceey, tceol), o[fptk]ai4n (otain, okaiin), o[fptk]e4dy (oteedy), oe0-4s (os)	f67v2 Diagram Exterior 4 (ceol), f86v3 Jet Figure #4 (cseor, tceeod, tceeody, tceol), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #7 (osasy), Rosette #8 Outer Ring (okaiin, oteedy)	0.10739
f113r #11	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [yo][fp][yoa] (opy), ce4a (cseal, ceear), o[fptk]ai4n (okaiin, okain, ytaiin), o[tk]e0-4y (qoky), ocke4y (ceockey), otai0-4n (otain), otal variants (otal), otar variants (otar), yodai0-4n (cseodaiin)	f68r3 Star Quadrant #4 Star #2 (ceockey), f85r2 Quadrant 2 (qotaiin), f86v3 Jet Figure #2 (ceeeor, qoky, ytaiin), Rosette #4 Compartment #1 (cseodaiiin), Rosette #4 Compartment #6 (oparod), Rosette #4 Outer Ring (otal, otar), Rosette #4-5 Bridge #2 (cseeal)	0.13678
f113r #12	3	o[fptk]c + e0-4dy (okceedy), ocke4y (ockey), okar variants (okar), otar variants (otar)	f68r3 Star Quadrant #2 (ockey), Rosette #3 Outer Ring Sentence #1 (okar, otar, qotcedy)	0.07708
f113r #13	4	o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (okcedy, okceedy), o[tk]e0-4y (qoteey), oe0-4s (cseeos), opce0-4dy (opceedy), otal variants (otal)	f85r2 Quadrant 2 (cseeos), f86v3 Jet Figure #2 (qokaiin, qoteey), Rosette #4 Compartment #7 (opcedy), Rosette #4 Compartment #8 (opceedy), Rosette #4 Outer Ring (otal)	0.14089
f113r #14	1	[fptk]ai4[dlrsmg | n] (taiin), o[fptk]ai4n (okaiin, okain), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey)	Rosette #1 Outer Ring (kaiir, okain, okcegy)	0.04632
f113r #15	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]c + e0-4dy (otceedy, qokceedy)	f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (otceedy, qokceedy)	0.03909
f113r #16	2	[fptk]ai4[dlrsmg | n] (kar), [tk]c-Initial (tceedy), c | c[fptk] + e4o (cseeo), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okaiin, okain, qokaiin), o[fptk]e4dy (oteedy), o[tk]e0-4y (qokeey, okeeey, okeey), oa (oaiin), opce0-4y (opceey), otai0-4n (otain, qotaiin), otor variants (qotor), sai4n (sain)	f85r2 Quadrant 1 (cseeo, qotor, sain), f86v3 Jet Figure #1 (otain, qokaiin, qotaiin, tceedy, ytain), Rosette #2 Interior Ring (yky), Rosette #2 Outer Ring (cedas, oaiin, oteoteedy, taiin), Rosette #2 Protrusion Bottom-Left (opcey)	0.12974
f113v #1	7	o[fptk]ai4n (otaiin, qokain), o[fptk]c + e0-4dy (opceedy), o[fptk]c + e0-4y (okcey, otceey), o[tk]e0-4y (oky), okal variants (okal), otar variants (otair, qotar)	Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (okal, otar)	0.10813
f113v #2	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (lceeol), [yo]dy endings (oteody), o[fptk]e4dy (otedy, oteedy, qokeedy), o[tk]e0-4y (qokeey), o[tk]e4s (otees), ocke4y (ceockey), otai0-4n (otaiin), otod variants (otodaiin)	f68r3 Star Quadrant #4 Star #2 (ceockey), f86v3 Jet Figure #2 (ceeeor, otaiin, qokeey), Rosette #4 Compartment #4 (opceody, oteedy), Rosette #4 Outer Ring (okees, otedy, otodeed)	0.13433
f113v #3	7	o[fptk]ai4n (okaiin, qotaiin), o[fptk]c + e0-4dy (opceedy, qokceedy), o[fptk]e4dy (oteedy), otar variants (otar), yodai0-4l (odal)	Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Outer Ring (odal, otar, qotedy)	0.10226
f113v #4	3	o[fptk]c + e0-4y (opceey), o[fptk]o (oko), o[lr]a (olar), o-axis of [yo][fptk][ao][lr] (otor), okar variants (okar), olcey relative (olceey), or[yoa] (oror), otar variants (otar, qotar), otol variants (otol)	f68v1 Exterior Stars #4 (otol), f68v3 Sides #2 (oko), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (okar, okcsey, otar), Rosette #3 Outer Ring Sentence #2 (olceedy, ykol)	0.13018
f113v #5	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), cteo-initial (cteor), o[fptk]c + e0-4dy (qokceedy, otcedy), o[tk]e0-4y (okeey), o-axis of [yo][fptk][ao][lr] (qotor), okal variants (okal), okar variants (qokar), okol variants (okol), ol[tk] (olkar), olcey relative (olceedy), orai0-4n (oraiin), otar variants (otar)	f67v2 East-Oriented Text (dcseog, oky), f68v3 Stars #2 (okol), f69r Labeled Interior Bar #2 (cteor), Rosette #2 Castle #4 On Bridge to #3 (otcedy), Rosette #3 Diagram Interior #3 (oraiiin), Rosette #3 Outer Ring Sentence #1 (okar, olkar, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (okal, olceedy, ykol)	0.15502
f113v #6	9	[yo]dy endings (ceody), [yo]pa (opam), o[fptk]ai4n (qokaiin, okaiin), okal variants (okal), okar variants (okar, qokar), okod variants (qokody), ola (olaiin)	Rosette #9 Center #19 (sody), Rosette #9 Center #9 (ypal), Rosette #9 Outer Ring Sentence #1 (okal, okodar), Rosette #9 Outer Ring Sentence #2 (okaiiin, okar, olar)	0.11560
f113v #7	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, okain, qokaiin, ykaiin), oe0-4s (ceeos), okar variants (qokar, okar), ola (olal), otar variants (otar), rai4n (raiin)	f69r Labeled Interior Bar #21 (otar), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (ceeody, qokaiin, raiin, ykaiin, ytain), Rosette #2 Bottom Exterior Label (okar), Rosette #2 Interior Ring (oekairy), Rosette #2 Outer Ring (olar, taiin), Rosette #2 Protrusion Top (osal)	0.17816
f113v #8	8	o[fptk]ai4n (okain, otaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (otey), o-axis of [yo][fptk][ao][lr] (otol), opai0-4n (opaiin), otam variants (qotam), otar variants (otar)	f68v2 Star Divider #1 (otey), f69r Labeled Interior Bar #15 (qotam), f86v3 Jet Figure #4 (opaiin, otceey), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okor, otar)	0.10954
f113v #9	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]ce4y + infixed versions (ycseeey), o[fptk]ai4n (otaiin, otain, qokain, okaiiin, okaiin), o[lr]a (olar), o[tk]e0-4y (oky, qokeey, oteey), oe4y (qoeey), okal variants (okal), okar variants (okar)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (ceocpey), f68v3 Sides #1 (qoeey), f69r Labeled Interior Bar #18 (oky), Rosette #1 Outer Ring (okain, okair, okal, oral, yky)	0.13097
f113v #10	4	ceckey relatives (ceckeey), eky (ceeky), o[fptk]ai4n (qokaiin, qokain), o[fptk]c + e0-4y (okceey), o[fptk]e4dy (qokeedy), okal variants (okal), otai0-4n (otain)	f68v3 Sides #3 (okal), f85r2 Quadrant 2 (ceckeey, qotaiin), f86v3 Jet Figure #2 (qokaiin, ytaiin), Rosette #4 Compartment #1 (ceeky), Rosette #4 Compartment #4 (oteedy), Rosette #4 Outer Ring (otecseey)	0.15531
f113v #11	9	o[fptk]c + e0-4y (otceey), o[fptk]e4dy (qokeedy), okar variants (okar), ol[tk] (olkaiin), ola (olaiin)	Rosette #9 Outer Ring Sentence #1 (otcsee, oteeedy), Rosette #9 Outer Ring Sentence #2 (okar, olar, olkalor)	0.08577
f113v #12	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]ai4n	f69r Labeled Interior Bar #11 (ceeody), f69r Labeled Interior Bar #12 (okeey), Rosette #6-7 Bridge #1 (depceeky), Rosette #6-7	0.15687

		(okain, otaiin, otain, qokain), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteey), oi (oiiin), ora (oraiin), otar variants (otar)	Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Outer Ring (cseor, oiin, orar, otar, qotedy)	
f113v #13	6	[fptk]e0-4y (keey), o[fptk]ai4n (qokaiin), o[lr][yoa] (oraiin), oe0-4s (os), okar variants (okar), ol[yoa] (olar), olcey relative (olceedy), otai0-4n (otaiin, otain)	f68v3 Stars #3 (keey), f86v3 Jet Figure #3 (otaiin, qotaiin), Rosette #6 Compartment #3 (okar), Rosette #6 Outer Ring (olceedy), Rosette #6 Picatrix-Like Attachment (oteoly), Rosette #6-7 Bridge Interior West (osy)	0.11403
f113v #14	2	a[dlrsmg]am (aram), o[fptk]c + e0-4dy (opceedy, qokcedy), o[tk]e0-4y (oty), ol[tk] (olkaiin)	f68r3 Star Quadrant #1 (qokcedy), f68v3 Inner Ring (olkeeoly), Rosette #2 Interior Ring (aram), Rosette #2 Outer Ring (okcedy), Rosette #2 Protrusion Exterior (oty)	0.10631
f113v #15	1	l[drs] Prefixes (ldy), o[fptk]ai4n (qokaiin, otaiin), o[fptk]e4dy (oteedy), o[lr]a (olaiin), o[tk]e0-4y (qokeey), okal variants (okal)	Rosette #1 Outer Ring (ldy, okain, okal, oral, yky), Rosette #1 Quadrant #4 (okedy)	0.08727
f114r #1	2	[yo][fp]ai0-4[rn] (opaiin), o[fptk]ai4n (ytaiin), o[fptk]e4dy (okedy), okod variants (okody), rai4n (raiin)	f86v3 Jet Figure #1 (raiin, ytaiin), Rosette #2 Outer Ring (opair, oteoteedy), Rosette #2 Top Exterior Label (okody)	0.06931
f114r #2	2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [tk]c-Initial (kceedy), c | c[fptk] + e4o (ceo), cedai4[lrsm | n] (cedaiin), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (okceedy), o[fptk]e4dy (ykeedy), oe sans oy + oe4y, oe0-4s (qoeedy), yodai0-4n (qodaiin)	f68r3 Star Quadrant #3 (ceo), f86v3 Jet Figure #1 (qoeedy, qokaiin), Rosette #2 Castle #3 Lighthouse-Like (daly), Rosette #2 Outer Ring (okcedy, okodain, tcedaiin, ykeedy), Rosette #2 Protrusion Exterior (cedaiin)	0.08398
f114r #3	8	[dlrsmg]ai4m (dam), [yo]dy endings (ceody), cedai4[lrsm | n] (cedaiin), dody (dody), o[fptk]ai4n (otaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcedy), o[fptk]c + e0-4dy (okceedy), o[fptk]e4dy (qokeedy), oa (oar), or[yoa] (orol), yodai0-4n (qodaiin)	f67v2 Diagram Exterior 4 (dam, oar), f68v2 Stars #8 (ypcey), f68v3 Sides #1 (ceody), f85r2 Quadrant 4 (dody, qodaiin), f86v3 Jet Figure #4 (okceedy), Rosette #8 (okcedarar), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (oteedy), Rosette #8 Smokestack (orarol)	0.12627
f114r #4	9	[yo]dy endings (ceody), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (qokcedy, qokceedy), o[fptk]e4dy (otedy), om (okom)	Rosette #9 Center #17 (otedy), Rosette #9 Center #19 (sody), Rosette #9 Outer Ring Sentence #2 (okaiiin, okcedy, om)	0.07608
f114r #5	4	cedai4[lrsm | n] (ceedal), eko (ceekor), o[fptk][ao]d (okod), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (qokceedy, otceedy), oe sans oy + oe4y, oe0-4s (oeedy, qoedy), oi (oiin), okar variants (okar), otal variants (otal), otar variants (otar, otair), otol variants (otol), yodai0-4n (qodaiin)	f85r2 Quadrant 2 (oloeorain, otceedy), f86v3 Jet Figure #2 (qodaiin, qoedy, qokaiin), Rosette #4 Compartment #1 (okar), Rosette #4 Compartment #2 (ceekor), Rosette #4 Compartment #5 (otol), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (ceedal, oiiin, otal, otar, otodeed)	0.12371
f114r #6	5	cedai4[lrsm | n] (ceedaiin), do (dol), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty), opar variants (opair), otar variants (otar)	f69r Labeled Interior Bar #7 (doceeeo), Rosette #5 Compartment #10 (otedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (opar, otar, yky)	0.10804
f114r #7	4	oe0-4s (oees), yodai0-4n (cseodaiiin)	f67v2 Diagram Exterior 2 (osalal), Rosette #4 Compartment #1 (cseodaiiin)	0.03153
f114r #8	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, qokaiin), o[fptk]e4dy (qokeedy), okar variants (okar), okol variants (okol), ol[tk] (olkaiin), olcey relative (olceedy), otar variants (otair), yodai0-4n (qodaiin)	f68r3 Star Quadrant #4 (okol), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (ceeody, qodaiin, qotaiin), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (olceedy, olkaiin, otar)	0.09751
f114r #9	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, cseol), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (otedy, okeedy), o[tk]e0-4y (okeey, qoty), okar variants (okair), ol[tk] (olkaiin), ora (orain), otol variants (otol)	f67v2 North-Oriented Text (dceeeor), Rosette #1 Outer Ring (okain, okair, okcedy, olkaiin, oral, otedy, otol, yky), Rosette #1 Quadrant #4 (okedy)	0.12631
f114r #10	4	cedai4[lrsm | n] (ceedal), o[fptk]ai4n (qokaiin), o[tk]e0-4y (yteey), otai0-4n (otaiin), otar variants (qotar), yodai0-4n (odaiin, odain)	f86v3 Jet Figure #2 (otaiin, qokaiin, yteey), Rosette #4 Compartment #1 (cseodaiiin), Rosette #4 Outer Ring (ceedal, odaiin, otar)	0.10751
f114r #11	2	[fptk]ai4[dlrsmg | n] (kar), c | c[fptk] + e4o (cseeo), cedai4[lrsm | n] (ceedaiiin), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (otceedy, qokceedy), o[tk]e0-4y (yky), oa (oar), oe sans oy + oe4y, oe0-4s (qoeedy), okal variants (qokal), okar variants (qokar), otai0-4n (qotaiin), rai4n (raiin), sai4n (sain), yodai0-4r (odar)	f68r3 Star Quadrant #1 (okald), f85r2 Quadrant 1 (cseeo, sain), f86v3 Jet Figure #1 (qoeedy, qotaiin, raiin, ytain), Rosette #2 Interior Ring (o*oar, odar, oekairy, yky), Rosette #2 Outer Ring (cedas, okcedy, taiin)	0.12317
f114r #12	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (qokceedy, otcedy), o[fptk]e4dy (yteedy), o[tk]e0-4y (qoty), o[tk]e4s (otees), okar variants (okar), opce0-4dy (opceedy), otar variants (qotar)	f69r Labeled Interior Bar #9 (ceor), f85r2 Quadrant 3 (otees), f86v3 Jet Figure #3 (qokceedy, qotaiin, qotar), Rosette #6 Compartment #1 (opcedy), Rosette #6 Compartment #3 (okar), Rosette #6 Compartment #6 (otcedy), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6-7 Bridge #2 (oteey)	0.11012
f114r #13	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp]ai0-4[rn] (opaiin), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar, ceedal), do (dor), o[fptk]ai4n (okain), o[fptk]c + e0-4dy (qotcedy), o[fptk]c + e0-4y (qotceey), o[fptk]e4dy (okeedy), or[yoa] (oral), otai0-4n (otaiin, otain, qotaiin), otal variants (ceotal), otar variants (qotar), yodai0-4n (qodaiin, odaiin)	f85r2 Quadrant 2 (qotaiin, qotcedy), f86v3 Jet Figure #2 (ceeeor, otaiin, qodaiin, qotceey, ytaiin), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #3 (dor), Rosette #4 Compartment #4 (opceody), Rosette #4 Compartment #6 (oparod), Rosette #4 Outer Ring (cecedam, ceedal, odaiin, oror, otalol, otar)	0.16078
f114v #1	4	[yo][fptk]ce4d (qotced), ce4a (ceear), cedai4[lrsm | n] (ceedal), do (dol), fc-initial (fceeey), o[fptk]c + e0-4dy (qotceedy), o[fptk]e4dy (qotedy, qokedy, qokeedy, okeedy), o[fptk]edar (qotedar), o[tk]e0-4y (oky), okal variants (okaly), otai0-4n (otain), otar variants (otar), otol variants (otol), yodai0-4n (odain)	f57v Diagram Center #2 (okaly), f85r2 Quadrant 2 (fceeey, qotaiin, qotced, qotedar), Rosette #4 Compartment #1 (cseodaiiin, okeedy), Rosette #4 Compartment #2 (qokedy), Rosette #4 Compartment #3 (dor, oky), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #5 (otol), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (ceedal, otar), Rosette #4-5 Bridge #2 (cseeal)	0.14493
f114v #2	6	cedai4[lrsm | n] (ceedaiiin, ceedar), o[fptk]c + e0-4dy (qotceedy), opce0-4dy (opceedy), otai0-4n (otaiin, qotaiin)	f86v3 Jet Figure #3 (otaiin, qotaiin), Rosette #6 Compartment #1 (opcedy), Rosette #6 Outer Ring (ceedaiiin), Rosette #6 Upper-Right Attachment (csedain)	0.09445
f114v #3	2	cedai4[lrsm | n] (cedaiin, ceedaiin), o[fptk]e4dy (qokedy), oe sans oy + oe4y, oe0-4s (qoeedy), otai0-4n (qotaiin)	f86v3 Jet Figure #1 (qoeedy, qotaiin), Rosette #2 Outer Ring (cedas, oteoteedy), Rosette #2 Protrusion Exterior (cedaiin)	0.07801
f114v #4	4	[tk]c-Initial (tceedy), [yo]c + e4dy (oceedy), cedai4[lrsm | n] (ceedal), o[fptk | dlrsmg][ao]m (otam), o[fptk]c + e0-4dy (otceedy), o[fptk]e4dy (qotedy), oa (ceoaiin), oi (soiiin), otai0-4n (qotaiin), otar variants (ytar), otol variants (otol)	f85r2 Quadrant 2 (otceedy, qotaiin, tceedy), f86v3 Jet Figure #2 (oceedy), Rosette #4 Compartment #3 (soa), Rosette #4 Compartment #4 (opam, oteedy), Rosette #4 Compartment #5 (otol), Rosette #4 Outer Ring (ceedal, oiiin, otar)	0.15783
f114v #5	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol), cedai4[lrsm | n] (cedaiin, cedal, ceedar), l[drs] Prefixes (ldy), o[fptk]ai4n (qokaiin, qotaiin), o[fptk]c + e0-4dy (ytceedy, qokceedy), o[tk]e0-4y (ceoky), okal variants (okal), okol variants (qokol), ory (okory)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #8 (qokol), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (ldy, okain, okal, okcedy, yky), Rosette #1 Quadrant #10 (okory)	0.14385
f114v #6	4	do (dor), okal variants (qokal), otai0-4n (qotaiin), otar variants (qotar), otod variants (otody)	f85r2 Quadrant 2 (qotaiin), Rosette #4 Compartment #3 (dor), Rosette #4 Compartment #7 (qokal), Rosette #4 Outer Ring (otar, otodeed)	0.10236
f114v #7	1	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), cedai4[lrsm | n] (cedaiin), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (qokcedy, qokceedy), o[fptk]e4dy (qokedy), oc[fptk]e4y (ceockey), okol variants (qokol)	f68r3 Star Quadrant #1 (ceocpey, qokcedy), f68r3 Star Quadrant #8 (qokol), f68v2 Star Divider #8 (dary), f68v3 Stars #1 (cedail), Rosette #1 Outer Ring (okain, okcedy, okcegy), Rosette #1 Quadrant #4 (okedy)	0.10214
f114v #8	8	o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceedy), o[fptk]c + e0-4dy (qotceedy), o[fptk]e4dy (yteedy, okeedy), ol[tk] (olkaiin)	f68v2 Stars #8 (ypcey), f86v3 Jet Figure #4 (qotceedy, yteedy), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Outer Ring (okaiin, okeedy, olkeeodaiin)	0.09708
f114v #9	2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [tk]c-Initial (tceedy), a[lr]an (araiin), o[fptk]ai4n (qokaiin), o[tk]e0-4y (okeey), oe sans oy + oe4y, oe0-4s (qoeedy)	f85r2 Quadrant 1 (ary), f86v3 Jet Figure #1 (araiin, qoeedy, qokaiin, tceedy), Rosette #2 Interior Ring (yky)	0.08475
f114v #10	4	o[fptk]ai4n (okaiin), o[tk]e0-4y (qoteey), okol variants (okol), olai0-4n (olaiin), opce0-4dy (opcedy), otai0-4n (otaiin, qotaiin), otal variants (otal), otar variants (qotar)	f85r2 Quadrant 2 (qotaiin), f86v3 Jet Figure #2 (otaiin, qoteey, ytaiin), Rosette #4 Compartment #1 (okol), Rosette #4 Compartment #4 (olaiiin), Rosette #4 Compartment #7 (opcedy), Rosette #4 Outer Ring (otal, otar)	0.12159
f114v #11	4	ceckey relatives (ceckey), o[fptk]ai4n (qokaiin), o[tk]e0-4y (qoteey), oa (oaiin)	f86v3 Jet Figure #2 (qokaiin, qoteey), Rosette #4 Compartment #3 (soa), Rosette #4 Outer Ring (ceckey)	0.06225
f114v #12	4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4od + y (qoteeody), [yo]dy endings (ceeody), aro[dlrsmg] (arody), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin, qokaiin), o[fptk]c + e0-4y (otceey, qotceey), o[fptk]eda[lrsm | n] (okedaiin), o[tk]e0-4y (okeey, oteey), okal variants (okal), okar variants (qokar), otai0-4n (qotaiin, otaiin, otain), otal variants (otal), otar variants (qotar), yodai0-4n (odaiin)	f67v2 Diagram Exterior 2 (okeey), f68v3 Sides #3 (okal), f85r2 Quadrant 2 (qokar, qotaiin), f86v3 Jet Figure #2 (ceeeor, otaiin, otceey, oteey, qokaiin, qotceey, qoteeody, ytaiin), Rosette #4 Compartment #4 (opam, opceody), Rosette #4 Compartment #6 (oparod), Rosette #4 Outer Ring (odaiin, okedaiin, otal, otar)	0.17417
f115r #1	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [yo]dy endings (ceeody), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcey), o[fptk]c + e0-4dy (qotceedy), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (qoky), od endings (od)	f67v2 North-Oriented Text (dceeeor), Rosette #1 Outer Ring (od, ody, okcedy, okcegy, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.09908
f115r #2	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [yo]dy endings (ceody), cedai4[lrsm | n] (ceedar), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotcey), o[fptk]c + e0-4dy (qotcedy, qotceedy), o[fptk]e4dy (qokedy, qokeedy), okar variants (qokar), otar variants (qotar, otar), yodai0-4n (qodain)	f68r3 Star Quadrant #5 (dcseol), Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (keeody, odaiiin, okair, otar)	0.12734
f115r #3	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy), opce0-4dy (opceedy)	f68r3 Star Quadrant #8 Wand/Branch (ceeol), f86v3 Jet Figure #4 (aceeody, opceedy, qokain), Rosette #8 Outer Ring (oteedy)	0.07887
f115r #4	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [tk]c-Initial (tceedy), cedai4[lrsm | n] (ceedaiin), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4dy (qotceedy), yodai0-4n (qodaiin)	f67v2 Diagram Exterior 4 (ceol), f69r Labeled Interior Bar #15 (cseo), f85r2 Quadrant 4 (qodaiin), f86v3 Jet Figure #4 (ceedaiin, qokaiin, qotceedy, tceeod)	0.08490
f115r #5	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [tk]c-Initial (tceedy), [yo]c + e4o Superclass (yceeeo), [yo]dy endings (ceody), o[fptk]c + e0-4dy (otcedy, qokceedy), o[fptk]c + e0-4y (qotcey), o-axis of [yo][fptk][ao][lr] (qotor), okar variants (qokar), om (om), qo variants (qo)	f67v2 East-Oriented Text (dcseog), f68r3 Star Quadrant #2 (kcey), f68v3 Sides #2 (qo), Rosette #2 Castle #4 On Bridge to #3 (otcedy), Rosette #3 Outer Ring Sentence #1 (okar, okcsey, okom, otody, qotcedy), Rosette #3 Outer Ring Sentence #2 (ykol), Rosette #3-4 Bridge #1 (opodcedal)	0.09750
f115r #6	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor), [yo]dy endings (ceeody), o[fptk]c + e0-4dy (qokceedy, qotceedy), o[tk]e0-4y (qoky), oa (oaiin), oce4y + infixed versions (ceockey), oe sans oy + oe4y, oe0-4s (oeedy), pc-initial (pceody)	f67v2 Diagram Exterior 3 (toal), f68r3 Star Quadrant #5 (pceody), f68v3 Sides #4 (oceey), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (ceeody, oeedy, qokceedy), Rosette #6 Compartment #1 (opcedy), Rosette #6-7 Bridge #2 (oteey)	0.10499
f115r #7	1	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeeor), [yo]dy endings (ceody), l[drs] Prefixes (ldy), l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lkam), o[fptk]c + e0-4dy (qokceedy, qotceedy)	f67v2 North-Oriented Text (dceeeor), f68v3 Sides #1 (ceody), Rosette #1 Outer Ring (ary, lar, ldy, okcedy)	0.07883
f115r #8	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), o[fptk]ai4n (qokain), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (qoky), oe0-4s (los)	f67v2 Diagram Exterior 4 (ceol), f67v2 Protrusion #1 (okeeey), f85r2 Quadrant 4 (los), f86v3 Jet Figure #4 (aceeody, otceey, qokain)	0.06823
f115r #9	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (dceol), ek[yoa] (ceeky), ety (ceety), o[fptk]ai4n (okaiin, qotaiin, ykaiin), o[fptk]c + e0-4dy	f68r3 Star Quadrant #7 (qokeey), f68v1 Exterior Stars #8 (cpceety), f69r Labeled Interior Bar #12 (okeey), Rosette #7 Left Label	0.11007

		(qotceedy), o[fptk]c + e0-4y (okcey), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qokeey, qoky, okeey), oe0-4s (ceeos)	#2 (opaiiino), Rosette #7 Left Label #3 (otcedy), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, otosaiiin, qotedy)	
f115r #10	8	[yo]dy endings (ceody), o[tk][ao]s (otais), yodai0-4n (qodain, odaiin)	f68v3 Sides #1 (ceody), f85r2 Quadrant 4 (qodain), Rosette #8 Outer Ring (okos, olkeeodaiin)	0.05856
f115r #11	5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]e0-4y (keey), [yo]dy endings (ceeody), do (dor), kc-initial (kceedy), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okceey), o[fptk]c + e0-4y (qokcey), o[tk]e0-4y (qoty), oe0-4s (ceeos), so (sol), yodai0-4n (qodain)	f68r3 Star Quadrant #5 (dcseol, qokcey), f68v3 Stars #3 (keey), f69r Labeled Interior Bar #5 (sol), f69r Labeled Interior Bar #7 (doceeeo), Rosette #5 Compartment #3 (okcedy), Rosette #5 Outer Ring (kceedy, keeody, odaiiin, osain, yky)	0.14773
f115r #12	5	[yo]dy endings (ody), cedai4[lrsm | n] (opcedain), o[fptk]c + e0-4dy (qokceedy), okar variants (qokar)	Rosette #5 Compartment #3 (okcedy), Rosette #5 Outer Ring (ody, okair), Rosette #5-6 Bridge Interior (opcedain)	0.08641
f115r #13	2	[yo]dy endings (kody), eka (cekar), o[fptk]ai4n (qokain), o[fptk]c + e0-4dy (qokceedy, qotceedy), o[fptk]e4dy (qokeedy), o[tk]e0-4y (oky), okol variants (qokol), ora (orar), otar variants (otar, ytar), rai4n (raiin)	f69r Labeled Interior Bar #20 (qokol), f69r Labeled Interior Bar #21 (otar), f86v3 Jet Figure #1 (qokeedy, raiin, ytain, ytar), Rosette #2 Bottom Exterior Label (oedody), Rosette #2 Interior Ring (orar, yky), Rosette #2 Outer Ring (cekar, okcedy)	0.15167
f115v #1	5	cedai4[lrsm | n] (cedar), ek[yoa] (ceeky), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qotceey), o[fptk]c + e0-4dy (ytceedy, qokcedy, qokceedy, qokcseedy, okcedy, otceedy), o[fptk]e4dy (qokeedy, yteedy, qotedy), o[tk]e0-4y (qoteey, qoty), okar variants (qokar), om + o[fptk | dlrsmg]am (om), otar variants (otar, qotar)	Rosette #5 Compartment #3 (okcedy), Rosette #5 Compartment #7 (oteedy), Rosette #5 Compartment #9 (otcedam), Rosette #5 Outer Ring (oekaiiin, okair, otar, yky)	0.16197
f115v #2	6	[tk]e4dy (tedy), [yo]dy endings (oteody), c | cs + e0-4[dlrsmg] (cseed), o[tk]e0-4y (qokeey), okor variants (okor), pc-initial (pceody), yodai0-4n (odaiin)	f67v2 Diagram Center #4 (okoral), f68r3 Star Quadrant #5 (pceody), f85r2 Quadrant 3 (tedy), Rosette #5-6 Bridge #1 (cseed), Rosette #6 Exterior Label #1 (ofodydy), Rosette #6 Outer Ring (odaiiin), Rosette #6-7 Bridge #2 (oteey)	0.09852
f115v #3	3	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [yo]dy endings (ceody), cedai4[lrsm | n] (cedaiin), o[fptk]c + e0-4dy (otcedy), o[fptk]c + e0-4y (qotcey), okar variants (okar)	f68r3 Star Quadrant #3 (ceo), Rosette #2 Castle #4 On Bridge to #3 (otcedy), Rosette #3 Outer Ring Sentence #1 (cedar, okar, okcsey, otody)	0.08226
f115v #4	8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor), o[fptk]c + e0-4y (qotceey), otam variants (qotam)	f68v2 Stars #8 (ypcey), f69r Labeled Interior Bar #15 (qotam), f86v3 Jet Figure #4 (cseor)	0.06494
f115v #5	1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (ody, tceeody), o[fptk]ai4n (qokain, okain), o[tk]e0-4y (oteey, qoteey), oc[fptk]e4y (ceockey), okar variants (qokar)	f67v2 North-Oriented Text (dceeeor), f68r3 Star Quadrant #1 (ceocpey), Rosette #1 Outer Ring (kaiir, ody, okain, okair, yky)	0.08708
f115v #6	2	[yo]cse4y (ycseeey), ke4o (keeody), o[fptk]c + e0-4dy (otceedy, qokceedy), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qoteey, ceoky), rai4n (raiin)	f68r3 Star Quadrant #3 (qoteey), f86v3 Jet Figure #1 (qokeedy, raiin, ycseeey), Rosette #2 Interior Ring (keeody, yky), Rosette #2 Outer Ring (okcedy)	0.09680
f115v #7	7	o[fptk]c + e0-4dy (okceedy), o[fptk]e4dy (otedy, qokeedy, qotedy)	Rosette #7 Left Label #3 (otcedy), Rosette #7 Outer Ring (otedy, qotedy)	0.07994
f115v #8	2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [tk]c-Initial (kceedy, tceedy), [yo]ce4y + infixed versions (yceey), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), cectey relatives (cectey), do (dol), o[fptk]e4dy (qokeedy), okar variants (qokar)	f68r3 Star Quadrant #1 (dol), f68r3 Star Quadrant #3 (ceo), f85r2 Quadrant 1 (ceol), f86v3 Jet Figure #1 (cectey, ceeody, qokeedy, tceedy, ycseeey), Rosette #2 Interior Ring (oekairy), Rosette #2 Outer Ring (tcedaiin)	0.07991
f115v #10	2	cectey relatives (cectey), cedai4[lrsm | n] (cedal, ceedar), ety (ceety), o[fptk]c + e0-4y (qotcey), okar variants (okar), opce0-4dy (opcedy)	f68v2 Star Divider #3 (ceety), f85r2 Quadrant 1 (opcedy), f86v3 Jet Figure #1 (cectey), Rosette #2 Bottom Exterior Label (okar), Rosette #2 Outer Ring (cedas), Rosette #2 Protrusion Bottom-Left (opcey), Rosette #2 Protrusion Exterior (ceedar)	0.10085
f115v #11	3	[fptk]ai4[dlrsmg | n] (taiin), ek[yoa] (ceeky), o[fptk]c + e0-4dy (qotcedy), o[tk]e0-4y (qoteey, qoky, oky), okar variants (qokar), otar variants (ytar)	f67v2 East-Oriented Text (oky), f68r3 Star Quadrant #3 (qoteey), Rosette #3 Outer Ring Sentence #1 (kar, okar, otar, qotcedy), Rosette #3 Outer Ring Sentence #2 (cseekal)	0.11224
f115v #12	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseor), o[fptk]ai4n (qokain), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokedy, ykeedy), o[tk][ao]s (okas), oe0-4s (ceeos), oi (oiiin)	Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Outer Ring (cseor, oiin, otosaiiin, qotedy)	0.08756
f115v #13	1	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), [yo]cp (ceocpey), [yo]dy endings (ceody), ke4o (keody), o[fptk]ai4n (qokaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qopcey), o[tk]e0-4y (oky, oty), oe0-4s (ceeos), okar variants (qokar)	f68r3 Star Quadrant #1 (ceocpey), f68v2 Star Divider #8 (dary), f68v3 Sides #1 (ceody, keody), f69r Labeled Interior Bar #18 (oky), Rosette #1 Outer Ring (okain, okair, okcegy, os, yky)	0.11327
f116r #1	1	l-prefix + [fptk | dlrsmg] + ai4[dlrsmg | n] (lar), o[fptk]ai4n (okain, qokain), o[tk]e0-4y (okeey, oky)	f69r Labeled Interior Bar #18 (oky), Rosette #1 Outer Ring (lar, okain, yky)	0.07816
f116r #2	4	ceckey relatives (ceckey), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (otedy, oteedy), o[lr]y (oly), o[tk]e0-4y (oteey, otey, oty), otal variants (otal), otar variants (qotar), otor variants (otor)	f86v3 Jet Figure #2 (oteey, otor), Rosette #4 Compartment #1 (ory), Rosette #4 Compartment #4 (oteedy), Rosette #4 Compartment #7 (opcedy), Rosette #4 Compartment #8 (ceeyky), Rosette #4 Outer Ring (ceckey, otal, otar, otedy)	0.13328
f116r #3	1	l[drs] Prefixes (ldy), o[fptk]ai4n (qokain), o[fptk]e4dy (qokeedy, otedy, yteedy), o[tk]e0-4y (otey, qokeey, qoteey, okeey)	f68v2 Star Divider #1 (otey), Rosette #1 Outer Ring (ldy, okain, otedy, yky), Rosette #1 Quadrant #4 (okedy)	0.16464
f116r #4	6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), c | cs + e0-4[dlrsmg] (cseed), ce4a (ceear), ceckey relatives (ceeckey), Consonant Clusters (ls), et[yoa] (cseety), o[fptk]ai4n (qokain, okain), o[fptk]e4dy (okedy, qokeedy), o[tk]e0-4y (okeey, okey), olcey relative (olceedy), otai0-4n (otain)	f68r3 Star Quadrant #4 (okey), f68r3 Star Quadrant #6 Star #3 (dg), f68v2 Stars #6 (ceetal), f69r Labeled Interior Bar #9 (ceor), f86v3 Jet Figure #3 (ceear, qotaiin), Rosette #5-6 Bridge #1 (cseed), Rosette #6 Compartment #8 Label #5 (okedy), Rosette #6 Outer Ring (ceckey, olceedy), Rosette #6-7 Bridge #2 (oteey)	0.09250
f116r #5	4	o[fptk]e4dy (okeedy, oteedy), o[fptk]eda[lrsm | n] (otedal), o[tk]e0-4y (qokeey, qoky, okeey), opam variants (opam), otal variants (otal), otar variants (otar)	f67v2 Diagram Exterior 2 (okeey), f86v3 Jet Figure #2 (qokeey, qoky), Rosette #4 Compartment #1 (okeedy), Rosette #4 Compartment #4 (opam, oteedy), Rosette #4 Outer Ring (okedaiin, otal, otar)	0.15967
f116r #6	7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (arody), ce4a (ceear, cseeal), ek[yoa] (cseeky), o[fptk]ai4n (okain, otain, qokaiin, qokain), o[fptk]c + e0-4y (ytceey), o[fptk]e4dy (qokedy, qokeedy, otedy, oteedy, oteeedy, okeedy), o[tk]e0-4y (okey, oteey, otey, oty, qokeey, qoky, qoty), oi (oiin), okal variants (okal, okalain, okaly, qokal), ola (olar), or[yoa] (ory), ora (orain), otar variants (qotar, otar)	f68r3 Star Quadrant #7 (otceal, qokeey), Rosette #6-7 Bridge #2 (oteey), Rosette #7 Left Label #2 (opaiiino), Rosette #7 Left Label #4 (okcey), Rosette #7 Left Label #8 (okydy), Rosette #7 Outer Ring (ceekaj, cseor, oiin, okal, olaiiin, orar, otar, otedy, oty, qotedy)	0.24963
f116r #7	8	[fptk]e0-4y (keeey), c | cs + e0-4[dlrsmg] (ceeds), ce4a (csear), ceckey relatives (ceckey), eka (cekar), o[fptk]ai4n (okain, qokain), o[fptk]c + e0-4y (qokcey), o[fptk]e4dy (qokeedy), o[tk]e0-4y (qokeey, qoky, ykeey, okeey), oe0-4s (os), oi (oiin), ol[tk] (olkey), ol[yoa] (oly), oly (oleey), orai0-4n (orain), yodai0-4n (odain), yodai0-4r (odar)	f67v2 Protrusion #1 (okeeey), f68v2 Stars #8 (ypcey), f85r2 Hand-Raisers 4 (cseeoly), f85r2 Quadrant 4 (ceckey, orain), f86v3 Jet Figure #4 (cealkar, keeey, olkey, qokain, qokeey, ykeey), Rosette #7-8 Bridge #1 (soiiin), Rosette #8 Exterior Label #1 (ofain), Rosette #8 Exterior Label #3 (ydekam), Rosette #8 Exterior Label #6 (olal), Rosette #8 Exterior Label #7 (osasy), Rosette #8 Outer Ring (cseees, odar, olkeeodaiin, oteedy)	0.14555
f116r #8	5	ceckey relatives (ceckeey, ceckey), o[tk]e0-4y (okeey, okey, oky, oteey), okal variants (okal), okar variants (okar, qokar), ol[yoa] (oly), yodai0-4n (odain)	f67v2 South-Oriented Text (okolarm), f68v1 Exterior Stars #5 (okeey), f68v3 Sides #3 (ceckey), f69r Labeled Interior Bar #5 (okey), Rosette #4-5 Bridge #1 (okar), Rosette #5 Outer Ring (odaiiin, okair, okal, yky)	0.11525

Table 31.15: Highest Ranked Canister Lines for All 293 Section 5 Text Sequences

Rank	Folio	Canister Line	Section 5 Word Categories	Categorical Matches to Phytomorph Labels	Score
35	f113r #7	Canister #10 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseol), oi (oiin)	cseol, oiin	0.03474
56	f104v #8	Canister #10 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	cseol	0.03289
124	f106v #8	Canister #10 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	cseol	0.02604
36	f113r #7	Canister #11 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseol), oi (oiin)	cseol, oiin	0.03474
57	f104v #8	Canister #11 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	cseol	0.03289
93	f113r #10	Canister #11 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, cseeol, cseor), ce4a (ceal)	cseol, ofcear	0.02877
125	f106v #8	Canister #11 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	cseol	0.02604
3	f104v #8	Canister #12 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor), [yo]dy endings (ceeody, ceody)	ceeody, ceos	0.05845
32	f104r #10	Canister #12 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody)	ceeody, ceos	0.03532
46	f115r #8	Canister #12 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, ceol), [yo]dy endings (ceeody), oe0-4s (ceos)	ceeody, ceos	0.03321
95	f107v #6	Canister #12 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp][yoa] (opal), [yo]dy endings (ceeody)	ceeody, ceos, ofor	0.02861
120	f106v #8	Canister #12 f89r2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	ceos	0.02615
122	f113v #7	Canister #12 f89r2	[yo]dy endings (ceeody), oe0-4s (ceeos)	ceeody, ceos	0.02606
1	f103v #7	Canister #13 f89r2	o[fptk]ai4n (okain)	okain	0.06369
10	f113v #7	Canister #13 f89r2	o[fptk]ai4n (okaiin, okain), otal variants (otal)	okain, otal	0.04657
12	f107r #14	Canister #13 f89r2	[yo][fp]a (opal), o[fptk]ai4n (okain), otal variants (otal)	ofakal, okain, otal	0.04570
14	f108r #7	Canister #13 f89r2	o[fptk]ai4n (okain), otal variants (otal)	okain, otal	0.04247
15	f113r #11	Canister #13 f89r2	o[fptk]ai4n (okaiin, okain), otal variants (otal)	okain, otal	0.04246
22	f111v #10	Canister #13 f89r2	o[fptk]ai4n (okain)	okain	0.03860
29	f114v #10	Canister #13 f89r2	o[fptk]ai4n (okaiin), o-axis of [yo][fptk][ao][lr] (okol), ola (olaiin), otal variants (otal)	okain, otal, otolarol	0.03584
40	f106r #5	Canister #13 f89r2	[yo][fp]a (opal), o[fptk]ai4n (okaiin), otal variants (otal)	ofakal, okain, otal	0.03443
44	f107v #1	Canister #13 f89r2	otal variants (otal)	otal	0.03376

45	f107v #10	Canister #13 f89r2	o[fptk]ai4n (okaiin, okain), orai0-4n (orain)	okain, orain	0.03373
47	f103r #6	Canister #13 f89r2	o[fptk]ai4n (okaiin, okain)	okain	0.03317
53	f107v #7	Canister #13 f89r2	ola (olaiin), otal variants (otal)	otal, otolarol	0.03299
69	f116r #5	Canister #13 f89r2	[ao][lr][ao][lr] Pipe/Flow (otarar), otal variants (otal)	otal, otolarol	0.03159
72	f107v #4	Canister #13 f89r2	o[fptk]ai4n (okaiin, okain), otal variants (otal), otol variants (otol)	okain, otal, otolarol	0.03098
86	f107v #6	Canister #13 f89r2	[yo][fp]a (opal), o[fptk]ai4n (okaiin), ola (olaiin), otal variants (otal)	ofakal, okain, otal, otolarol	0.02928
88	f107r #7	Canister #13 f89r2	o[fptk]ai4n (okaiiin, okaiin, okain)	okain	0.02895
99	f107v #8	Canister #13 f89r2	o[fptk]ai4n (okaiin, okain), o-axis of [yo][fptk][ao][lr] (okol), otal variants (otal)	okain, otal, otolarol	0.02772
101	f108r #4	Canister #13 f89r2	o[fptk]ai4n (okaiin), otal variants (otal)	okain, otal	0.02699
103	f107v #12	Canister #13 f89r2	o[fptk]ai4n (okaiin, okain)	okain	0.02653
123	f106v #6	Canister #13 f89r2	ola (olaiin), otal variants (otal)	otal, otolarol	0.02604
133	f103v #6	Canister #13 f89r2	ola (olaiin), or[yoa] (orol), otal variants (otal)	orain, otal, otolarol	0.02536
136	f112v #2	Canister #13 f89r2	o[fptk]ai4n (okaiin), o-axis of [yo][fptk][ao][lr] (okor), otal variants (otal)	okain, otal, otolarol	0.02506
137	f108r #5	Canister #13 f89r2	o[fptk]ai4n (okain), orai0-4n (orain)	okain, orain	0.02502
144	f104v #10	Canister #13 f89r2	o[fptk]ai4n (okaiin, okain), orai0-4n (orain)	okain, orain	0.02453
5	f104v #8	Canister #14 f89v2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	ceeos, cseeol	0.05771
74	f106v #8	Canister #14 f89v2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	ceeos, cseeol	0.03050
135	f107v #11	Canister #14 f89v2	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), okar variants (okar)	ceokaro, cseeol	0.02514
68	f113v #7	Canister #15 f89v2	[yo]dy endings (ceeody), okar variants (okar), otar variants (otar)	ceody, dykaran, otair	0.03166
83	f105v #9	Canister #15 f89v2	o-axis of [yo][fptk][ao][lr] (otor), otar variants (otair)	okory, otair	0.02942
112	f107r #8	Canister #15 f89v2	[yo]dy endings (ceeody, ceody), otar variants (otair)	ceody, otair	0.02623
132	f104v #8	Canister #15 f89v2	[yo]dy endings (ceeody, ceody)	ceody	0.02542
148	f112r #11	Canister #15 f89v2	[yo]dy endings (arody, ceody), okar variants (okar, okary), or[yoa] (orar)	ceody, dykaran, okory	0.02442
150	f104r #4	Canister #15 f89v2	[yo]dy endings (ceeody, ceody), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	ceody, dykaran, okory	0.02439
33	f107v #6	Canister #18 f89v1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), olai0-4n (olaiin), opal variants (opal)	cseos, olaiin, opal	0.03494
49	f104v #8	Canister #18 f89v1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	cseos	0.03305
60	f107v #7	Canister #18 f89v1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), olai0-4n (olaiin)	cseos, olaiin	0.03259
117	f106v #8	Canister #18 f89v1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	cseos	0.02616
9	f104r #11	Canister #19 f99r	okar variants (okar)	okar	0.04685
64	f113v #7	Canister #19 f99r	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), okar variants (okar), otal variants (otal)	daly, okar, otalag	0.03183
66	f112v #2	Canister #19 f99r	okar variants (okar), okor variants (okor), otal variants (otal)	okar, okor, otalag	0.03173
89	f113v #11	Canister #19 f99r	okar variants (okar), ol[yoa] (olaiin)	okar, okolo	0.02894
127	f104r #3	Canister #19 f99r	okar variants (okar), ol[yoa] (otoly)	okar, okolo	0.02589
139	f108r #2	Canister #19 f99r	o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	okar, okolo	0.02482
142	f104r #4	Canister #19 f99r	o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar), otal variants (otal)	okar, okolo, otalag	0.02461
129	f114v #10	Canister #2 f88r	o[lr]a (olaiin), okol variants (okol), otal variants (otal)	okol, orag, otaldy	0.02580
11	f107v #1	Canister #25 f99v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ece polygraph (okecey), otal variants (otal)	ceor, okecey, otal	0.04626
31	f108r #7	Canister #25 f99v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), otal variants (otal)	ceor, otal	0.03541
58	f104v #8	Canister #25 f99v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	ceor	0.03287
61	f107v #7	Canister #25 f99v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), otal variants (otal)	ceor, otal	0.03235
70	f116r #5	Canister #25 f99v	[ao][lr][ao][lr] Pipe/Flow (otarar), otal variants (otal)	darol, otal	0.03159
76	f106v #8	Canister #25 f99v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	ceor	0.03036
100	f113r #7	Canister #25 f99v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseol), [yo][fptk]e4od (okeody)	ceor, okeodor	0.02755
108	f113v #7	Canister #25 f99v	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeos), otal variants (otal)	aly, ceor, otal	0.02634
109	f107r #14	Canister #25 f99v	otal variants (otal)	otal	0.02633
111	f107r #15	Canister #25 f99v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), otal variants (otal)	ceor, otal	0.02623
149	f113r #4	Canister #25 f99v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseol)	ceor	0.02440
21	f113r #10	Canister #27 f100r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, cseeol, cseor), ce4a (ceal)	ceal, ceos	0.03866
28	f112r #8	Canister #27 f100r	o[lr]a (olaiin), sai4n (sain)	oraro, sain	0.03590
37	f106r #6	Canister #27 f100r	[ao][lr][ao][lr] Pipe/Flow (arol), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseol), otar variants (otar), sai4n (sain)	ceos, oraro, otear, sain	0.03472
52	f104v #8	Canister #27 f100r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	ceos	0.03303
81	f111v #10	Canister #27 f100r	ce4a (ceal), sai4n (sain)	ceal, sain	0.02966
82	f111v #5	Canister #27 f100r	ce4a (ceal)	ceal	0.02947
90	f107v #6	Canister #27 f100r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp]a (opal), o[lr]a (olaiin), otar variants (otar)	ceofary, ceos, oraro, otear	0.02891
98	f112v #11	Canister #27 f100r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), oi (oiin), sai4n (sain)	ceos, sain, soity	0.02792
119	f106v #8	Canister #27 f100r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	ceos	0.02615
121	f106v #6	Canister #27 f100r	o[lr]a (olaiin), sai4n (sain)	oraro, sain	0.02606
48	f104v #8	Canister #28 f100r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	ceom	0.03305
116	f106v #8	Canister #28 f100r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	ceom	0.02616
51	f104v #8	Canister #29 f100v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	ceos	0.03303
92	f113r #10	Canister #29 f100v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, cseeol, cseor), ce4a (ceal)	ceos, dykceal	0.02885
118	f106v #8	Canister #29 f100v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	ceos	0.02615
13	f116r #5	Canister #33 f101v2	otal variants (otal), otar variants (otar, otarar)	otal, otarar	0.04437
23	f107v #1	Canister #33 f101v2	otal variants (otal), otar variants (otar)	otal, otarar	0.03799
42	f107r #12	Canister #33 f101v2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), ora (orar), otal variants (otal), otar variants (otair)	aly, orar, otal, otarar	0.03402
54	f107v #7	Canister #33 f101v2	o[lr]a (olaiin), otal variants (otal)	otal, soraly	0.03292
63	f113v #7	Canister #33 f101v2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), otal variants (otal), otar variants (otar)	aly, otal, otarar	0.03196
73	f114v #10	Canister #33 f101v2	o[lr]a (olaiin), o-axis of [yo][fptk][ao][lr] (okol), otal variants (otal)	dokor, otal, soraly	0.03083
94	f108r #7	Canister #33 f101v2	otal variants (otal)	otal	0.02862
110	f107r #14	Canister #33 f101v2	otal variants (otal)	otal	0.02633
126	f106v #6	Canister #33 f101v2	o[lr]a (olaiin), otal variants (otal)	otal, soraly	0.02599
134	f103v #6	Canister #33 f101v2	o[lr]a (olaiin), or[yoa] (orol), otal variants (otal)	otal, soraly	0.02533
140	f106v #1	Canister #33 f101v2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly, daly), otar variants (otair, otar)	aly, otarar	0.02481
141	f104v #1	Canister #33 f101v2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), ora (orar), otar variants (otair, otarar)	aly, orar, otarar	0.02464

8	f104v #8	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor), [yo]dy endings (ceeody, ceody)	arody, cpeeor	0.05003
25	f105r #10	Canister #4 f88v	o[lr][yoa] (orol), otar variants (otar)	okolyd, otar	0.03728
27	f113v #7	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeos), [yo]dy endings (ceeody), otar variants (otar)	arody, cpeeor, otar	0.03671
30	f115r #13	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), [yo]dy endings (cseody), o[lr][yoa] (orar), otar variants (otar)	arody, cpeeor, okolyd, otar	0.03558
34	f106r #6	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseol), aro[dlrsmg] (arol), okol variants (okol), otar variants (otar)	arody, cpeeor, okolyd, otar	0.03481
38	f107v #6	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), ol[yoa] (olaiin), otar variants (otar)	arody, cpeeor, okolyd, otar	0.03459
55	f103v #7	Canister #4 f88v	otar variants (otar)	otar	0.03290
71	f104r #6	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), o-axis of [yo][fptk][ao][lr] (otor), otar variants (otar)	arody, cpeeor, otar, otokol	0.03118
85	f112r #1	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (otody), ol[yoa] (olaiin), otar variants (otair, otar)	arody, cpeeor, okolyd, otar	0.02936
96	f113v #3	Canister #4 f88v	o-axis of [yo][fptk][ao][lr] (otor), otar variants (otar)	otar, otokol	0.02832
106	f104r #10	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody)	arody, cpeeor	0.02641
114	f106v #8	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	cpeeor	0.02617
138	f107r #9	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), o[lr][yoa] (orol), otar variants (otar)	cpeeor, okolyd, otar	0.02493
145	f106v #1	Canister #4 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), otar variants (otair, otar)	cpeeor, otar	0.02449
4	f104v #8	Canister #42 f102v2 Top	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor), [yo]dy endings (ceeody, ceody)	cseor, otody	0.05820
75	f106v #8	Canister #42 f102v2 Top	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	cseor	0.03045
107	f104r #10	Canister #42 f102v2 Top	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody)	cseor, otody	0.02636
130	f115r #13	Canister #42 f102v2 Top	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), [yo]dy endings (cseody), ols (ceols), ora (orar)	cseor, olsodar, orar, otody	0.02548
147	f108r #5	Canister #42 f102v2 Top	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), ora (orain)	cseor, orar	0.02444
17	f113v #7	Canister #5 f88v	o[fptk]ai4n (okaiin, okain), oe0-4s (ceeos)	ceeos, okaiiin	0.04150
43	f107v #5	Canister #5 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor), o[fptk]ai4n (okaiin), o[lr][yoa] (olaiin)	ceeos, okaiiin, otory	0.03378
50	f104v #8	Canister #5 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	ceeos	0.03304
62	f103v #7	Canister #5 f88v	o[fptk]ai4n (okain)	okaiiin	0.03196
87	f107r #7	Canister #5 f88v	o[fptk]ai4n (okaiiin, okaiin, okain)	okaiiin	0.02905
97	f113r #11	Canister #5 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), o[fptk]ai4n (okaiin, okain)	ceeos, okaiiin	0.02811
102	f107v #10	Canister #5 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin, okain), or[yoa] (orain)	ceeos, okaiiin, otory	0.02673
113	f106v #12	Canister #5 f88v	o[fptk]ai4n (okaiin), oe0-4s (otos), otor variants (otor)	ceeos, okaiiin, otor	0.02622
115	f106v #8	Canister #5 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	ceeos	0.02616
131	f103r #10	Canister #5 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin)	ceeos, okaiiin	0.02546
143	f108r #5	Canister #5 f88v	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), o[fptk]ai4n (okain), or[yoa] (orain)	ceeos, okaiiin, otory	0.02455
80	f107r #7	Canister #7 f89r1	yodai0-4n (ceodaiin)	ceodaiin	0.02992
2	f113v #7	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeos), o[fptk]ai4n (okaiin, okain)	ceol, okaiin	0.06142
6	f107v #5	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor), o[fptk]ai4n (okaiin), o[lr]a (olaiin)	ceol, okaiin, otorain	0.05765
7	f103r #10	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin)	ceol, okaiin	0.05058
16	f113r #11	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), o[fptk]ai4n (okaiin, okain)	ceol, okaiin	0.04197
18	f107v #10	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin, okain), orai0-4n (orain)	ceol, okaiin, otorain	0.03974
19	f107v #6	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin), o[lr]a (olaiin)	ceol, okaiin, otorain	0.03943
20	f106v #8	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor)	ceol	0.03886
24	f113r #10	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, cseeol, cseor), o[fptk]ai4n (okaiin)	ceol, okaiin	0.03789
26	f107v #12	Canister #8 f89r1	o[fptk]ai4n (okaiin, okain)	okaiin	0.03709
39	f104r #10	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol)	ceol	0.03454
41	f112v #12	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin, okain)	ceol, okaiin	0.03425
59	f104v #8	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor)	ceol	0.03272
65	f103v #7	Canister #8 f89r1	o[fptk]ai4n (okain)	okaiin	0.03179
67	f107v #7	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[lr]a (olaiin)	ceol, otorain	0.03170
77	f113v #9	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]ai4n (okaiiin, okaiin), o[tk]e0-4y (oky)	ceol, okaiin, ykyd	0.03034
78	f107v #9	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]ai4n (okaiin, okain)	ceol, okaiin	0.03029
79	f104r #11	Canister #8 f89r1	o[fptk]ai4n (okaiin)	okaiin	0.03028
84	f107v #2	Canister #8 f89r1	o[fptk]ai4n (okaiin), o[tk]e0-4y (oky)	okaiin, ykyd	0.02940
91	f107r #7	Canister #8 f89r1	o[fptk]ai4n (okaiiin, okaiin, okain)	okaiin	0.02889
104	f103r #6	Canister #8 f89r1	o[fptk]ai4n (okaiin, okain)	okaiin	0.02650
105	f108r #4	Canister #8 f89r1	o[fptk]ai4n (okaiin)	okaiin	0.02649
128	f114r #9	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, cseol), o[fptk]ai4n (okaiin), o-axis of [yo][fptk][ao][lr] (otol), orai0-4n (orain)	ceol, okaiin, otorain	0.02589
146	f108r #5	Canister #8 f89r1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), o[fptk]ai4n (okain), orai0-4n (orain)	ceol, okaiin, otorain	0.02446

Table 31.16: Highest Ranked Zodiac Correlations for All 293 Section 5 Text Sequences

Rank	Folio	Canister Line	Section 5 Word Categories	Categorical Matches to Zodiac Labels	Score
1	f113v #7	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	aly, ceeol, cetos, cseeky, cseeolaiin, kaiin, kal, okaiin, okar, otal, otalody, otar	0.16738
2	f113v #7	Gemini	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), ek[yoa] (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	aly, ceekaiin, ceeol, okaiin, okar, okeolar, otal, otar, otoees, qotceody	0.15141
3	f107v #5	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp]ai0-4[rn] (opaiin), [yo][fptk]e4od (qokeody), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), otai0-4n (otaiin), sai4n (saiin)	aly, ceckey, ceeol, ceol, cseeeor, cseeolaiin, ofaralar, okaiin, okal, otaiin, oteedy, oteeodaiin, sain	0.14680
4	f113v #7	Scorpio	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	alceeky, aly, ceeody, ceeteeeos, ceor, kar, okary, olalaiin, opaiin, otal, otar	0.13665
5	f112r #1	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody, okody, otody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, okeeey, okeey, oty, qokeey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair), sai4n (saiin)	cedaiir, ceedal, ceol, cseeolaiin, keey, oaiin, okeey, oqokar, otaiin, otain, otainy, otal, otalody, otar, otaraldy, oteedy, oteey, oteokeey, oty, sain	0.13485
6	f107v #6	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin, kal), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), o[fptk]ai4n (okaiin), okal variants (okal), ol[tk] (olkal), olai0-4n (olaiin), opal variants (opal), otal variants (otal), otar variants (otar)	cedaiir, ceeolky, ceol, cseeolaiin, kaiin, kal, okaiin, okal, opalar, otal, otalody, otar	0.13340
7	f103r #10	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin), ce4a (ceal), c-sequence + e4 + [fptk] + c-sequence + e4 + y (cepcey), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), o[tk]e0-4y (oteey, okeey), ora (oraiin)	ceal, ceol, cepcey, kaiin, okaiin, okeey, oteedy, oteey, oteorar	0.12821
8	f112r #1	Pisces	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[fptk]ody (otody), o[tk]e0-4y (oty,	ceedaiin, ceokain, ceol, ody, okody, otaiin, otal, otar, otaral,	0.12701

			qokeey, oteey, okeeey, okeey), oa (oar), okar variants (ykair), okod variants (okody), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair)	oteedy, oteey, oteoal, oteotey, otody, oty, ykair, ykolaiin	
9	f107v #5	Gemini	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od (qokeody), o[fptk]ai4n (opaiin, okaiin), okal variants (okal), olai0-4n (olaiin), otai0-4n (otaiin)	aly, ceeol, ceol, ceotaiin, okaiin, okal, olain, otaiin, qokeodal	0.12676
10	f112v #12	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), ce4a (ceal), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), o[fptk]e4dy (oteedy), olo (ceeolor), otam variants (otam)	ceal, ceckey, ceeol, ceeolor, ceol, okaiin, otam, oteedy	0.12571
11	f112r #2	Aries	cectey relatives (cectey), o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (oteey, otey, qokeey, okeey, ceoty), otai0-4n (otaiin)	cectey, lcseeotey, okeeedy, otaiin, oteedy, oteey, otey	0.12565
12	f112r #9	Virgo	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal)	ceokeedy, okaiiiny, okal, okedy, okeedy, okeey, okeody	0.12514
13	f112r #2	Taurus	o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, oteey, otey, qokeey, ceoty), otai0-4n (otaiin)	okeedy, okeey, otaiin, oteedy, oteey, oteokeey, otey	0.12511
14	f112r #2	Cancer	o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, oteey, otey, qokeey, ceoty), otai0-4n (otaiin)	ceoty, doteey, okeey, otaiin, oteedy, oteey, otey	0.12503
15	f112r #9	Taurus	[yo][fptk]e4od (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	okaiin, okal, okeedy, okeey, otaraldy, oteedy, oteeodaiin	0.12500
16	f116r #2	Taurus	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), ceckey relatives (ceckey), o[fptk | dlrsmg][ao]m (okam), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oteey, otey, oty), otal variants (otal), otor variants (otor), sai4n (sain)	ary, ceckey, orom, otal, oteedy, oteey, otey, otor, oty, parar, sain	0.12415
17	f104r #11	Taurus	[fptk]ai4[dlrsmg | n] (kaiin), [yo][fptk]e4od (oteody), o[fptk]ai4n (okaiin), okal variants (okal), okar variants (okar), ora (oraiin)	kaiin, okaiin, okal, okar, oteeodaiin, oteorar	0.12414
18	f112r #2	Sagittarius	o[fptk]ai4n (otaiin), o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, oteey, otey, qokeey, ceoty)	ceeytey, ceoty, okeedy, otey, qokeey, ypaiiin, yteedy	0.12398
19	f107v #5	Virgo	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin), otai0-4n (otaiin), rai4n (raiin)	aly, ceeol, ceeos, ceetolain, ceokeedy, okaiiiny, okal, opaiin, otaiin, oteeod, raiin	0.12311
20	f113v #7	Aries	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), ola (olal), otal variants (otal), otar variants (otar), rai4n (raiin)	*oeky, aly, ceeody, lkceol, otaiin, otal, otear, oteosaiin, otolaiin, raiin, tar	0.12079
21	f107v #7	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (cear), olai0-4n (olaiin), otal variants (otal), otas variants (otas)	cear, ceol, cseeolaiin, otal, otas	0.11916
22	f103r #12	Sagittarius	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	cseeol, okeedy, oteolain, otey, qokeey, yteedy	0.11885
23	f103r #15	Aries	[fptk]ai4[dlrsmg | n] (tar), ce4a (ceeal, cseeal), o[fptk]c + e0-4dy (otcseedy), o[tk]e0-4y (qokeey, cseokey)	ceekeal, cseeal, cseokey, lcseeotey, otcsecsedy, tar	0.11858
24	f107v #5	Aries	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp][yoa] (opaiin), [yo][fptk]e4od + y (qokeody), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), otai0-4n (otaiin), rai4n (raiin), sai4n (saiin)	aly, cseckeey, lkceol, okalody, okeeedy, okeokeokeody, olaiin, opotey, otaiin, raiin, saiin	0.11847
25	f114v #12	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4o (oteo, oteeo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, oteey, ceoty, okeey), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal), otam variants (otam)	ceeol, cseeeo, kal, ocseodody, okaiin, okal, okeey, otaiin, otain, otal, otam, otcey, oteeo, oteey, oteo, oteokeey	0.11742
26	f108v #8	Taurus	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [fptk]ai4[dlrsmg | n] (kar, tar), [yo][fptk]e4od (okeody), ce4a (cseeal, cseear, ceal, ceeal), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]e4dy (otedy, oteedy, okeedy, qoteedy), o[tk]e0-4y (okeey, ykeey, oteey, qokeey, okey, ceoteey), oce4y (oceey), oe0-4s (ys), otai0-4n (otaiin), otal variants (otal), otam variants (otam), sai4n (saiin, sain)	ceal, cedaiir, ceeol, cekeeal, ceol, cseeeor, kal, oceey, okeedy, okeey, otaiin, otal, otam, oteedy, oteeodaiin, oteey, oteokeey, oteorar, sain, ys	0.11642
27	f112r #9	Leo	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	***ofaiin, cseedykeal, cseokeedy, okedy, okeey, okeody, ototeear	0.11641
28	f112r #9	Scorpio	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), otar variants (otear)	okedy, okeedy, okeey, okeody, opaiin, otar, oyteedy	0.11610
29	f113v #7	Libra	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	aly, ceeeky, oeeeos, oeeody, okar, opaiin, otalal, otar, ytolaiin	0.11590
30	f103r #18	Sagittarius	o[tk]e0-4y (oteey, qokeey, qoty), opce0-4y (qopceey), otal variants (otal)	ceeytey, qokeey, qopceey, qoty, ytaly	0.11541
31	f103v #5	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), ce4a (cear), o[fptk]e4dy (oteedy), otai0-4n (otain), otal variants (otaly), otam variants (otam), otar variants (otar)	cear, cseeeor, cseo, otain, otaly, otam, otar, oteedy	0.11508
32	f112r #2	Pisces	o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (oteey, otey, qokeey, okeey, ceoty), otai0-4n (otaiin)	otaiin, oteedy, oteey, oteotey, otey	0.11382
33	f113v #12	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteeey, oteey), ora (oraiin), otai0-4n (otaiin, otain), otar variants (otar), otor variants (otor)	ceeol, ceeor, cseetey, okeedy, okeey, otaiin, otain, otalody, otar, oteey, oteokeey, oteorar, otor	0.11349
34	f107v #5	Sagittarius	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (okaiin, otaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin)	aly, okal, opaiin, otedy, oteolain, qokeody, tceol, ypaiiin	0.11309
35	f114v #10	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk]e0-4y (teey), [yo][fptk]e4o (oteeo), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (qopceey), o[fptk]c + e4ody (otceeody), okol variants (okol), olai0-4n (olaiin), otai0-4n (otaiin), otal variants (otal)	cseeeo, cseeolaiin, cseo, okaiin, okol, otaiin, otal, otceody, otcey, oteeo, teey	0.11301
36	f114v #12	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4o (oteeo, oteo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, oteey, ceoty, okeey), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal), otam variants (otam)	ceeo, ceeol, ceotaiin, okaiin, okal, okeey, okeo, otaiin, otal, otam, otceey, oteeey, oteey, oteeykeeytey, qotceody	0.11072
37	f113v #7	Virgo	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), ola (olal), otal variants (otal), rai4n (raiin)	aly, ceeol, ceeos, ceotal, cseeeoeky, kair, okaiiiny, olal, raiin, yteody	0.11024
38	f113v #7	Pisces	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	alody, ceokain, cseeeor, daly, okar, opys, otal, otar, ykolaiin	0.11023
39	f107r #12	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceo), ce4a (ceal), o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), oi (oiin), okal variants (okal), ol[tk] (olkar), otal variants (otal), otam variants (otam), otar variants (otair)	aly, ceal, ceeol, ceeolky, cseeeo, okaiin, okal, okoiin, otal, otam, otaraldy, oteedy	0.10983
40	f112r #1	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), oa (oar), okod variants (okody), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair), otod variants (otody), sai4n (saiin)	araydy, lcseeotey, lkceol, oar, okody, olaiin, otaiin, otal, otear, oteedy, oteeodals, oteey, saiin	0.10883
41	f104r #11	Gemini	[yo][fptk]e4od (oteody), o[fptk]ai4n (okaiin), okal variants (okal), okar variants (okar), ora (oraiin)	okaiin, okal, okar, orary, qokeodal	0.10846
42	f107v #5	Cancer	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin), opc + e4ol (opceol), otai0-4n (otaiin)	aly, ceeeor, ceeol, okalar, okeeody, olaiin, opceol, opoiiin, otaiin, oteedy, ypaiiin	0.10833
43	f108v #8	Cancer	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseeor, ceeol, ceol, ceor), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]e4dy (okeedy, otedy, oteedy, qoteedy), o[tk]e0-4y (ykeey, oteey, qokeey, okey, okeey, ceoteey), oce4y (oceey), oe0-4s (ys), otai0-4n (otaiin)	aral, ceeal, ceedaiin, ceeeor, ceeol, ceoctear, ceoteey, ceteos, cseeal, cseear, cseeol, cseeor, doteey, oceey, okeey, okeody, otaiin, oteedy, oteey, ykeey	0.10827
44	f112r #2	Virgo	o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (oteey, otey, qokeey, okeey, ceoty), otai0-4n (otaiin)	ceokeedy, cseeoty, okeedy, okeey, otaiin, otey	0.10821
45	f103v #8	Taurus	[fptk]ai4[dlrsmg | n] (tar), [fptk]e0-4y (keey), a[dlrsmg]am (aram), ce4a (cseal), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, qoty, ykeey), opar variants (opar), otai0-4n (otain), otal variants (otal), otam variants (otam), otar variants (otear), sai4n (sain)	cekeeal, kal, keey, okalam, opar, otain, otal, otam, otaraldy, oteedy, oteey, oteokeey, oty, sain	0.10819
46	f107v #5	Pisces	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp][yoa] (opaiin), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opc + e4ol (opceol), otai0-4n (otaiin)	ceokain, ceol, cseeeor, daly, okal, opceeol, opys, otaiin, oteedy, oteeody, ykolaiin	0.10798
47	f108r #13	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (ceokeedy, okedy, okeedy, otedy, oteedy), o[tk]e0-4y (qokeey, yty, okeey, okey), okar variants (okar), ola (olal), om (okeeom), otai0-4n (otain), otam variants (otam), otar variants (otarar)	cedaiir, ceedal, ceol, cseeolaiin, cseo, ofacfom, okar, okeedy, okeey, okoceey, otain, otalody, otam, otaraldy, oteedy, oteokeey	0.10781
48	f112r #9	Libra	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	okal, okeey, opaiin, otear, ykeedy, yteod	0.10770
49	f112r #9	Cancer	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	okalar, okeey, okeody, opoiiin, oteedy, ytairal	0.10747
50	f112r #2	Scorpio	o[fptk]ai4n (otaiin), o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, ceoty, oteey, otey, qokeey)	ceoteey, okeedy, okeey, opaiin, oteey, otey, oyteedy	0.10736
51	f112r #1	Scorpio	[dlrsmg]ai4m (dam, ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody, okody, otody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain, otaiin, otain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), okar variants (ykair), olai0-4n (olaiin), otal variants (otal), otar variants (otar, otair)	ceedar, ceetceody, ceor, ceoteey, dam, okary, okeey, olalaiin, opaiin, otal, otar, oteey, oyteedy, salceedal	0.10577
52	f112r #1	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody, okody, otody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otai0-4n (otaiin, otain), otar variants (otair, otar)	ceedaiin, ceeeor, doteey, fydy, okarar, okeeey, okeey, olaiin, opoiiin, otaiin, oteedy, oteey, teey, ytairal, ytoar	0.10556
53	f107r #12	Gemini	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceo), ce4a (ceal), o[fptk]ai4n (okaiin), oe sans oy + oe4y, oe0-4s (oeedy), okal variants (okal), otal variants (otal), otam variants (otam), otar variants (otair)	aly, ceal, ceeo, ceeol, okaiin, okal, otair, otal, otam, qoeeeol	0.10514
54	f107v #1	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (kal), [yo]dy endings (alody), eky (ceeky), o[fptk]e4dy (otedy), o[fptk]e4os (oteos), oce4y + infixed versions (cseoctey), otai0-4n (otaiin), otal variants (otal), otar variants (otar), sai4n (sain)	ceeky, cseol, kal, ocseodody, okoceey, otaiin, otal, otar, oteedy, oteos, sain	0.10502
55	f113v #7	Cancer	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants	aly, ceeky, ceeol, ceteos, fydy, okar, olalsy, opoiiin, ytairal	0.10475

			(okar), ola (olal), otar variants (otar)		
56	f113v #12	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), cectey relatives (cectey), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy), o[lr]a (oraiin), o[tk]e0-4y (oteeey, otey, okeey), otai0-4n (otaiin, otain), otar variants (otar), otor variants (otor)	cectey, ceekey, ceeody, lcseeotey, lkceol, okeeedy, otaiin, otear, oteey, otolaiin, otor	0.10468
57	f103r #9	Taurus	ce4a (ceal), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, qokeey), oce4y (qoceey), otai0-4n (otain)	ceal, okaiin, okeey, okoceey, otain, oteokeey	0.10424
58	f116r #3	Sagittarius	[yo]dy endings (teody), o[fptk]e4dy (yteedy, otedy), o[fptk]edar (oteedar), o[tk]e0-4y (otey, qokeey, okeey)	ceeytey, otedy, otey, qokeey, ykeeody, ytedar, yteedy	0.10382
59	f107v #5	Libra	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (okaiin, otaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin), sai4n (saiin)	aly, okal, opaiin, otedy, saiin, yteod, ytolaiin	0.10378
60	f114v #10	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk]e0-4y (teey), [yo][fptk]e4o (oteeo), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (qopceey), o[fptk]c + e4ody (otceeody), o-axis of [yo][fptk][ao][lr] (okol), olai0-4n (olaiin), otai0-4n (otaiin), otal variants (otal)	ceeo, cseo, okaiin, okeo, olain, otaiin, otal, otceey, otolam, qotceody, tey	0.10258
61	f116r #2	Aries	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), ceckey relatives (ceckey), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oteey, otey, oty), okam variants (okam), otal variants (otal), otor variants (otor), sai4n (sain)	cseckeey, dalalody, lcseeotey, okeeedy, otal, oteedy, oteey, otey, otokaim, otor, saiin, sary	0.10246
62	f112r #2	Gemini	o[tk]e0-4y (oteey, otey, qokeey, ceoty, okeey), otai0-4n (otaiin)	okeey, otaiin, oteey, oteeykeeytey, otey	0.10225
63	f112r #2	Leo	o[fptk]ai4n (otaiin), o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, ceoty, oteey, otey, qokeey)	***ofaiin, cseokeedy, okeey, okyeecsey, oteey, otey	0.10168
64	f112r #2	Libra	o[fptk]ai4n (otaiin), o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, oteey, otey, qokeey, ceoty)	oeeoty, okeey, opaiin, opcseeytey, oteey, otey, ykeedy	0.10167
65	f104r #11	Cancer	[yo][fptk]e4od + y (oteody), o[fptk]ai4n (okaiin), okal variants (okal), okar variants (okar), orai0-4n (oraiin)	okalar, okar, opoiiin, oraiin, oteody	0.10143
66	f104r #11	Libra	[yo][fptk]e4od + y (oteody), o[fptk]ai4n (okaiin), o[lr]a (oraiin), okal variants (okal), okar variants (okar)	okal, okar, opaiin, oteody, ytolaiin	0.10123
67	f104r #11	Pisces	[yo][fptk]e4od + y (oteody), o[fptk]ai4n (okaiin), o[lr]a (oraiin), okal variants (okal), okar variants (okar)	ceokain, okal, okar, oteody, otolal	0.10123
68	f112r #1	Libra	[yo]dy endings (ody, okody, otody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain, otaiin, otain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otal variants (otal), otar variants (otar, otair), sai4n (saiin)	csedary, oeeody, oeeoty, okar, okeey, opaiin, opcseeytey, otalaiin, otar, otear, oteey, saiin, ykeedy, yotoam, ytolaiin	0.10065
69	f107r #12	Virgo	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceo), ce4a (ceal), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), oe sans oy + oe4y, oe0-4s (oeedy), okal variants (okal), ol[tk] (olkar), otal variants (otal)	aly, ceal, ceeo, ceeol, ceokeedy, ceotal, oeedy, okaiiiny, okal, okeeom, olkar	0.10028
70	f112r #10	Taurus	[ao][lr][ao][lr] Pipe/Flow (aral), [yo]dy endings (cseeody), o[fptk]ai4n (okaiiin), o[fptk]c + e0-4y (okcey), o[fptk]e4dy (otedy), o[fptk]e4os (okeeos), o[fptk]o (oto), o[lr]y (ory), okal variants (okal), okar variants (okar), opal variants (opal), sai4n (sain)	aroly, okal, okar, okeeos, opalar, otainy, otalody, otcey, oteedy, oto, parar, sain	0.09964
71	f113v #9	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseeol), [fptk]e0-4y (keey), ce4a (cear, otceam), o[fptk]ai4n (okaiiin, okaiin), o[tk]e0-4y (oteey, qokeey, oky), okal variants (okal), okar variants (okar), otai0-4n (otaiin, otain)	cear, ceeol, cekeeal, cseeeor, keey, okaiin, okal, okar, otaiin, otain, otainy, oteey, oteokeey	0.09942
72	f112r #10	Cancer	[ao][lr][ao][lr] Pipe/Flow (aral), [yo]dy endings (cseeody), a[lr]an (alain), o[fptk]ai4n (okaiiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcey), o[fptk]e4dy (otedy), o[fptk]e4os (okeeos), o[fptk]o (oto), okal variants (okal), okar variants (okar), opal variants (opal), ory (ory)	alaiiin, aral, fydy, ofcseoldy, okaiiin, okalar, okar, okeos, opalal, ory, oteedy, oto	0.09939
73	f116r #5	Taurus	o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (qokeey, okeey), otal variants (otal), otar variants (otar, otarar)	okeedy, okeey, otal, otar, otaraldy, oteedy, oteokeey	0.09919
74	f113v #2	Cancer	[yo][fptk]e4od + y (oteody), o[fptk]e4dy (otedy, oteedy), o[fptk]edar (otedar), o[tk]e0-4y (qokeey), o[tk]e4s (otees), oc[fptk]e4y (ceockey), otai0-4n (otaiin)	cseoctey, doteey, otaiin, otedar, oteedy, otees, oteody	0.09913
75	f107v #6	Scorpio	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin, kal), [yo]dy endings (ceeody), [yo]pa (opal), cedai4[lrsm | n] (cedar), o[fptk]ai4n (okaiin), ol[tk] (olkal), olai0-4n (olaiin), otal variants (otal), otar variants (otar)	cedar, ceeody, ceor, kar, olalaiin, olteey, opaiin, opar, otal, otar	0.09895
76	f112r #9	Aries	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	lcseeotey, okalody, okeeedy, okeokeokeody, otaiin, otear, oteedy	0.09880
77	f112r #9	Sagittarius	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal)	ceeytey, okal, okeedy, okeody, ypaiiin, yteedy	0.09871
78	f112r #9	Pisces	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	ceokain, okal, otaral, oteedy, oteeody, oteotey	0.09865
79	f114v #12	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4o (oteo, oteeo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, otey, okeey, ceoty), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal)	ceeody, cseeeokeeo, cseeo, lcseeotey, lkceol, okalody, opceey, otaiin, otal, oteey, oteo, otokaim, tar	0.09849
80	f107v #7	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (cear), olai0-4n (olaiin), otal variants (otal)	cear, lkceol, olaiin, otal	0.09774
81	f106v #10	Cancer	[yo][fptk]e4od + y (oteody), o[fptk]e4dy (oteedy), o[tk]e0-4y (ceoty, okeey, oty), oce4y (okoceey), oe0-4s (ceeos), oi (oin), otai0-4n (otaiin, otain), otar variants (ceotar)	ceoty, ceteos, doteey, oceey, oin, okeey, otaiin, oteedy, oteody, ytairal	0.09752
82	f106v #10	Taurus	[yo][fptk]e4od (oteody), o[fptk]e4dy (oteedy), o[tk]e0-4y (ceoty, oty, okeey), oce4y (okoceey), oe0-4s (ceeos), oi (oin), otai0-4n (otaiin, otain), otar variants (ceotar)	cetos, okeey, okoceey, okoiin, otaiin, otain, otaraldy, oteedy, oteeodaiin, oteokeey, oty	0.09751
83	f108r #10	Leo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (cseeody), o[fptk]e4dy (okedy, otedy), okar variants (okar), otal variants (otal)	cseeody, cseokeedy, cseol, okary, okedy, otaly	0.09734
84	f112r #1	Leo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody, okody, otody), o[fptk]ai4n (otaiin, otain, ceokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otal variants (otal), otar variants (otar, otair)	***ofaiin, *keody, ceol, cseokeedy, okary, okeeey, okeey, okyeecsey, olaiin, otaly, oteey, ototeear, oty, teey, yal	0.09720
85	f103r #9	Gemini	[yo]ce4y + infixed versions (qoceey), ce4a (ceal), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, qokeey), otai0-4n (otain)	ceal, ceotaiin, cseeyctey, okaiin, okeey, okyd	0.09702
86	f103r #15	Cancer	ce4a (ceeal, cseeal), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otcseedy), o[tk]e0-4y (qokeey, cseokey)	ceeal, cseeal, doteey, ofcseoldy	0.09667
87	f103r #16	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, cseol), [fptk]e0-4y (keey), o[fptk]e4dy (oteedy, qoteedy), o[tk]e0-4y (qokeey)	ceeol, ceol, cseol, keey, oteedy, oteokeey	0.09660
88	f107v #4	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), o[tk]e0-4y (ceoty, okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), ol[tk] (olkal), otai0-4n (otain), otal variants (otal), otam variants (otam)	ceeolky, ceol, kaiin, ocseodody, okaiin, okal, okeey, okolar, otain, otal, otam, oteedy, oteokeey	0.09621
89	f108v #8	Aries	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [fptk]ai4[dlrsmg | n] (kar, tar), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), o[fptk | dlrsmg][ao]m (otam), o[fptk]e4dy (otedy, oteedy, qoteedy, okeedy), o[tk]e0-4y (okeey, okey, ykeey, ceoteey, oteey, qokeey), oce4y (oceey), oe0-4s (ys), otai0-4n (otaiin), otal variants (otal), sai4n (saiin, sain)	cseeal, dalalody, lcseeotey, lkceol, okeeedy, okeokeokeody, okey, otaiin, otal, otecear, oteedy, oteey, oteocey, oteosaiin, otokaim, saiin, tar	0.09614
90	f107v #10	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fptk]e4od + y (okeeody), ai0-4[dlrsmg][dlrsmg] (aldy), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okedy), oa (oaiin), otai0-4n (otaiin), rai4n (raiin)	lkceol, okeeedy, okeeody, opceey, otaiin, oteeodals, oteoaldy, raiin	0.09557
91	f114v #12	Virgo	[dlrsmg]ai4m (ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4o (oteeo, oteo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, otey, ceoty, okeey), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal)	ceeo, ceeol, ceotal, cseeoty, kair, ofceeey, okaiiiny, okal, okeeom, okeey, okeo, otaiin, ram, yteody	0.09533
92	f103r #10	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (ceal), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, otey), ora (oraiin)	ceal, ceol, okaiin, okeey, orary, oteey	0.09533
93	f112r #1	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody), o[fptk][ao]d (otody, okody), o[fptk]ai4n (ceokain), o[tk]e0-4y (oty, qokeey, okeeey, okeey, oteey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair)	ceol, ceotaiin, okairy, okeey, okyd, olain, otad, otaiin, otair, otal, otar, oteey, oteeykeeytey, otoar, qotceody, tey	0.09523
94	f106r #4	Virgo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]e4dy (otedy), o[lr]y (ceeoly), o[tk]e0-4y (okeey, ceeokey), o[tk]e4s (okeees), rai4n (raiin)	ceeol, ceokeedy, cseeoty, okeees, okeey, okeory, raiin	0.09495
95	f112v #11	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), c | c[fptk] + e4o (ceeo), cedai4[lrsm | n] (ceedar), eky (ceeky), o[tk]e0-4y (okeey), oi (oiin), otai0-4n (otaiin), sai4n (sain)	cedaiir, ceeky, ceol, cseeeo, okeey, okoiin, otaiin, sain	0.09482
96	f111v #1	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeeor, cseeol, ceeol, ceol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4o (oteeo, okeeo), c | c[fptk] + e4o (ceeo), ce4a (cseal, ceal, ceeal, cseear), ceckey relatives (ceckey, cseckeey), cedai4[lrsm | n] (ceedain, ceedar), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, okedy), o[tk]e0-4y (okeeey, qokeey, okeey), oa (oaiin), okar variants (okar), okc + e4or (okceor), otai0-4n (otain), otal variants (otal), otar variants (otar), sai4n (saiin)	ceal, ceckey, cedaiir, ceeol, cekeeal, ceol, cseeeo, cseeeor, cseo, kal, oaiin, okaiin, okar, okceor, okeey, otain, otal, otar, otcey, oteedy, oteeo, otoekeey, sain	0.09477
97	f107r #8	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kair, kal), [yo]dy endings (ceeody), ce4a (ceal, cear), okal variants (okal), otar variants (otair)	ceal, cear, ceeol, kaiin, kal, okal, otalody, otaraldy	0.09454
98	f113v #7	Leo	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), ek[yoa] (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	***ofaiin, *keody, aly, ceolairy, cseoleey, okary, okeoekol, otaly, ototeear, soees	0.09448
99	f113v #12	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[tk]e0-4y (okeey, oteeey, oteey), o-axis of [yo][fptk][ao][lr] (otor), ora (oraiin), otai0-4n (otaiin, otain), otar variants (otar)	ceeol, ceotaiin, cseteeey, okeey, orary, otaiin, otar, oteeey, oteey, otolam, qotceody	0.09435
100	f113v #12	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteeey, oteey), o-axis of [yo][fptk][ao][lr] (otor), orai0-4n (oraiin), otai0-4n (otaiin, otain), otar variants (otar)	ceeol, ceeor, doteey, fydy, okeey, oraiin, otaiin, oteedy, oteey, ykoly, ytairal	0.09418
101	f113v #12	Scorpio	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]ai4n (otaiin, otain), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteeey, oteey), or[yoa] (oraiin), otar variants (otar), otor variants (otor)	ceeody, ceeteey, ceor, ceoteey, okeedy, okeey, opaiin, otar, oteey, otoreees, ykeeory	0.09416
102	f108v #8	Sagittarius	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), o[fptk]ai4n (otaiin), o[fptk]e4dy (otedy, oteedy, okeedy, qoteedy), o[tk]e0-4y (ykeey, okeey, oteey, qokeey, okey, ceoteey), oe0-4s (ys), otal variants (otal)	alaly, ceary, ceeytey, cseeol, okeedy, okeody, okeos, okey, otedy, qokeey, qoteedy, tceol, ypaiiin, ytaly, yteedy	0.09381
103	f112r #10	Libra	[ao][lr][ao][lr] Pipe/Flow (aral), [yo]dy endings (cseeody), [yo]pa (opal), o[fptk]ai4n (okaiiin), o[fptk]c + e0-4y (okcey), o[fptk]e4dy (otedy), o[fptk]e4os (okeeos), o[fptk]o (oto), o[lr]y (ory), okal	oeeody, oeeoly, okal, okalair, okar, opaiin, opcseeytey, otedy,	0.09347

			variants (okal), okar variants (okar), sai4n (sain)	oteeos, oto, saiin, topar	
104	f107v #6	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin, kal), [yo][fp][yoa] (opal), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), okal variants (okal), ol[tk] (olkal), olai0-4n (olaiin), otal variants (otal), otar variants (otar)	ceeody, lkceol, okalody, olaiin, olkeeody, opotey, otaiin, otal, otear, tar	0.09318
105	f107v #5	Leo	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), [yo]pa (opaiin), o[fptk]ai4n (otaiin, okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin)	***ofaiin, aly, ceol, cseedykeal, cseokeedy, cseoleey, okeody, olaiin, opal	0.09307
106	f116r #5	Scorpio	o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, qokeey), otal variants (otal), otar variants (otar, otarar)	ceoteey, okeedy, okeey, otal, otar, oyteedy	0.09303
107	f114v #10	Virgo	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk]e0-4y (teey), [yo][fptk]e4o (oteeo), [yo]dy endings (otceeody), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), okol variants (okol), olai0-4n (olaiin), opce0-4y (qopceey), otai0-4n (otaiin), otal variants (otal)	ceeo, ceetolain, ceopcey, ceotal, okaiiiny, okeo, okol, otaiin, teey, yteody	0.09261
108	f114v #10	Leo	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceeo, cseo), [fptk]e0-4y (teey), [yo][fptk]e4o (oteeo), o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e4ody (otceeody), okol variants (okol), olai0-4n (olaiin), opce0-4y (qopceey), otal variants (otal)	***ofaiin, ceopceey, cseo, okol, olaiin, otaly, otceeody, teey, ykeeo	0.09251
109	f114v #10	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [yo][fptk]e4o (oteeo), [yo]dy endings (otceeody), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), okol variants (okol), olai0-4n (olaiin), opce0-4y (qopceey), otai0-4n (otaiin), otal variants (otal)	araydy, cseeeokeeo, cseeo, okol, olaiin, opceey, otaiin, otal	0.09248
110	f108r #2	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceeo), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (oteey, okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	cear, cedaiir, ceeol, cseeeo, okar, okeey, okolar, oteedy, oteey, oteokeey	0.09244
111	f107v #6	Pisces	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp][yoa] (opal), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), o[fptk]ai4n (okaiin), okal variants (okal), ol[tk] (olkal), olai0-4n (olaiin), otal variants (otal), otar variants (otar)	alody, ceedaiin, ceeoltey, ceokain, ceol, okal, opys, otal, otar, ykolaiin	0.09242
112	f107v #1	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (kal), [yo]dy endings (alody), eky (ceeky), o[fptk]e4dy (otedy), o[fptk]e4os (oteos), oc[s | fptk]e4y (cseoctey), otai0-4n (otaiin), otal variants (otal), otar variants (otar), sai4n (sain)	araydy, ceeky, cseol, okeeedy, otaiin, otal, otear, oteocseey, oteos, saiin, tar	0.09236
113	f108r #10	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (cseeody), ceckey relatives (ceckey), o[fptk]e4dy (okedy, otedy), okar variants (okar), otal variants (otal)	ceckey, cseol, okar, otal, otalody, oteedy	0.09213
114	f114v #12	Pisces	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4o (oteeo, oteo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, oteey, okeey, ceoty), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal)	alody, ceo, ceokain, cseeeor, okal, otaiin, otal, otcey, oteeeo, oteeo, oteey, oteotey	0.09211
115	f108r #10	Scorpio	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (cseeody), o[fptk]e4dy (okedy, otedy), okar variants (okar), otal variants (otal)	ceetceody, ceor, okary, okedy, otal, oyteedy	0.09186
116	f108v #8	Virgo	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [fptk]ai4[dlrsmg | n] (kar, tar), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), o[fptk | dlrsmg][ao]m (otam), o[fptk]e4dy (otedy, oteedy, qoteedy, okeedy), o[tk]e0-4y (okeey, ceoteey, ykeey, oteey, qokeey, okey), oe0-4s (ys), otai0-4n (otaiin), otal variants (otal)	ceal, ceeol, ceeos, ceeosy, ceokeedy, ceotal, cseeoty, kair, okeedy, okeeom, okeey, okeody, olal, otaiin	0.09169
117	f104v #8	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor, cseeol), [yo]dy endings (ceeody)	cseeol, cseo, cseor, fydy	0.09168
118	f114v #12	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4o (oteeo, oteo), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceey), o[tk]e0-4y (oteeey, okeey, oteey, ceoty), okal variants (okal), otai0-4n (otaiin, otain)	ceeol, ceoty, cseo, doteey, fydy, ofcseoldy, okalar, okeeo, okeey, opoiiin, otaiin, oteey, oteo	0.09144
119	f112r #8	Taurus	a[dlrsmg]am (aram), o[fptk]e4dy (okeedy, otedy), o[tk]e0-4y (okeey), olai0-4n (olaiin), sai4n (sain)	cseeolaiin, okalam, okeedy, okeey, oteedy, sain	0.09140
120	f114v #11	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, ceeor), [fptk]ai4[dlrsmg | n] (kaiin, kair), ceckey relatives (ceckey), oa (oaiin), oce4y + infixed versions (octey), yodai0-4n (ceodaiin)	ceckey, ceeor, cseeeor, kaiin, kal, oaiin, okoceey, oteeodaiin	0.09133
121	f113v #13	Cancer	[fptk]e0-4y (keey), ce4a (ceeal), o[tk]e0-4y (oteeey), oe0-4s (os), okar variants (okar), orai0-4n (oraiin), otai0-4n (otaiin, otain)	ceeal, doteey, okar, oraiin, os, otaiin, teey	0.09098
122	f107v #14	Sagittarius	o[tk]e0-4y (qokeey), opce0-4y (opceey)	opceey, qokeey	0.09086
123	f112v #1	Taurus	o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeeedy), o[tk]e0-4y (okeey, okey, oteey, oty, qokeey), oa (oaiin, oar), opal variants (opal), ora (oraiin), otal variants (otal), sai4n (saiin, sain)	oaiin, okaiin, okeey, opalar, otal, oteedy, oteey, oteokeey, oteorar, oty, sain	0.09085
124	f107r #4	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cseal), eky (cseeky), o[tk]e0-4y (okeeey), oi (oiin), otai0-4n (otain), otar variants (otar, otaral), yodai0-4l (otodal)	****eodal, ceeol, cekeeal, cseeky, okoiin, otain, otar, otaraldy, oteokeey	0.09073
125	f103r #8	Taurus	cedai4[lrsm | n] (ceedal), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky)	ceedal, okeey, oteedy, oteey, oteokeey, otey, oty	0.09064
126	f103v #1	Sagittarius	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), ce4a (ceal), o[fptk]e4dy (okeedy, ykeedy, qoteedy), o[tk]e0-4y (qoty, okeey, qokeey)	ceary, ceeytey, okeedy, qokeey, qoteedy, qoty, tceol, yteedy	0.09032
127	f108v #8	Gemini	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [yo][fptk]e4od (okeody), [yo]ce4y + infixed versions (oceey), ce4a (cseeal, cseear, ceal, ceeal), o[tk]e0-4y (ceoteey, okeey, okey, oteey, qokeey, ykeey), oe0-4s (ys), otai0-4n (otaiin), otal variants (otal), otam variants (otam)	ceal, ceeol, ceol, ckeal, cseeyctey, okeey, okeolar, otaiin, otal, otam, oteey, oteeykeeytey, otoees, qokeodal	0.09024
128	f112v #12	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), ce4a (ceal), o[fptk]ai4n (okaiin), ol[yoa] (ceeolor), otam variants (otam)	ceal, ceeol, ceol, okaiin, okeolar, otam	0.09019
129	f105r #10	Taurus	ko (kol), otai0-4n (otaiin), otam variants (otam), otar variants (otar), yodai0-4r (oteodar)	kol, otaiin, otam, otar, oteodar	0.09006
130	f103r #12	Virgo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	ceeos, ceetolain, ceokeedy, cseeoty, okeedy, otey	0.08967
131	f103r #12	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	cseeeor, cseeolaiin, okeedy, oteedy, oteokeey, otey	0.08964
132	f103r #12	Scorpio	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	ceor, ceoteey, okeedy, olalaiin, otey, oyteedy	0.08962
133	f103r #12	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	ceeolaiin, cseeol, doteey, oteedy, otey	0.08940
134	f103v #9	Taurus	[ao][lr][ao][lr] Pipe/Flow (arar), [fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy, otedy), o[tk]e0-4y (qokeey, ykeey, okeey), otar variants (otar)	cseetey, cseo, okeedy, okeey, otar, oteedy, oteokeey, parar	0.08929
135	f104r #7	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor, ceol), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (cseeody), c | c[fptk] + e4o (cseeo), ce4a (csear, ceal, cear), ceckey relatives (ceckey), o[fptk]c + e0-4or (otceor), okar variants (okair), otai0-4n (otain)	ceal, cear, ceckey, ceeor, ceol, csear, cseeo, kal, oqokar, otain, otalody, otceor	0.08926
136	f113r #16	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), c | c[fptk] + e4o (ceeo, cseeo), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (opceey), o[fptk]e4dy (oteedy), o[tk]e0-4y (qokeey, okeeey, okeey), oa (oaiin), okal variants (okalal), ol[tk] (olkal), otai0-4n (otain), sai4n (sain)	ceedal, ceeolky, cseeeo, cseeeor, cseeo, kaiin, kal, oaiin, okaiin, okalal, okeey, otain, otcey, oteedy, oteokeey, sain	0.08921
137	f103r #9	Sagittarius	ce4a (ceal), o[fptk]ai4n (okaiin, otain), o[tk]e0-4y (qokeey, okeey)	ceary, ceeytey, qokeey, ypaiiin	0.08918
138	f113v #9	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseeol), [fptk]e0-4y (keey), ce4a (otceam, cear), o[fptk]ai4n (okaiiin, okaiin), o[tk]e0-4y (oteey, qokeey, oky), okal variants (okal), okar variants (okar), otai0-4n (otaiin, otain)	ceeol, ceotaiin, ckeal, okaiin, okal, okar, otaiin, oteey, oteeykeeytey, tey	0.08894
139	f104r #10	Pisces	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedaiin), otai0-4n (otaiin)	alody, ceedaiin, ceol, cseeeor, otaiin	0.08872
140	f104r #10	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedaiin), otai0-4n (otaiin)	cedaiir, ceeol, ceol, otaiin, otalody	0.08825
141	f108r #13	Leo	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y + infixed versions (yceey), [yo]dy endings (ceeody), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (otain), o[fptk]e4dy (otedy, oteedy, ceokeedy, okedy, okeedy), o[tk]e0-4y (okeey, okey, qokeey, yty), okar variants (okar), ola (olal), om (okeeom), otar variants (otarar)	***ofaiin, *keody, ceol, cseo, cseokeedy, ocfeey, ogeom, okam, okary, okedy, okeey, okey, okyeecsey, ototeear, solar, yty	0.08818
142	f107r #5	Pisces	oe0-4s (cseos, os), opc + e4ol (opceeol), otai0-4n (otaiin), otal variants (otalar)	opceeol, opys, otaiin, otalar	0.08798
143	f112v #2	Taurus	o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar), otai0-4n (otaiin), otal variants (otal)	okaiin, okal, okar, okolar, otaiin, otal, oteedy	0.08779
144	f106v #15	Taurus	[fptk]e0-4y (keey), [yo][fptk]e4o (okeeo), ce4a (ceal), cedai4[lrsm | n] (ceedar), o[fptk]e4dy (otedy, oteedy, qoteedy), o[tk]e0-4y (okeeey, oty, oteey, okeey, oky), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), otai0-4n (otaiin)	ceal, cedaiir, keey, okal, okeey, okolar, otaiin, oteedy, oteeo, oteey, oteokeey, oty	0.08773
145	f103r #18	Libra	c-sequence + e4 + [fptk] + c-sequence + e4 + y (ceepcey), o[tk]e0-4y (oteey, qokeey, qoty), opce0-4y (qopceey), otal variants (otal)	ceepcey, opcseeytey, otalal, oteey	0.08755
146	f108r #2	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceeo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (oteey, qokeey, okeey), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	ceedaiin, ceeol, ceoctear, cseo, doteey, okar, okeey, oteedy, oteey, ykoly	0.08749
147	f103r #18	Aries	c-sequence + e4 + [fptk] + c-sequence + e4 + y (ceepcey), o[tk]e0-4y (oteey, qokeey, qoty), opce0-4y (qopceey), otal variants (otal)	ceetcsey, lcseeotey, opceey, otal, oteey	0.08744
148	f108r #4	Gemini	[yo][fptk]e4o (ykeeo), [yo][fptk]e4od (oteeody), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, ykeey), okal variants (okal), otal variants (otal)	okaiin, okal, okeey, okeo, otal, oteeykeeytey, qokeodal	0.08734
149	f108r #4	Taurus	[yo][fptk]e4o (ykeeo), [yo][fptk]e4od (oteeody), o[fptk]ai4n (okaiin), o[tk]e0-4y (ykeey, okeey), okal variants (okal), otal variants (otal)	okaiin, okal, okeey, otal, oteeo, oteeodaiin, oteokeey	0.08734
150	f103v #11	Aries	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (otey, oty, qokeey, ykeey, okeey, okey), opce0-4y (opceey), otal variants (otaly), sai4n (saiin)	ceeody, lcseeotey, okeeedy, okey, opceey, otaiin, otaly, otey, saiin	0.08732

Table 31.17: Top 20 Section 5 Paragraphs for Each Zodiac

Folio	Section 5 Words	Figure Words	Score
	Pisces		
f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[fptk]ody (otody), o[tk]e0-4y (oty, qokeey, oteey, okeeey, okeey), oa (oar), okar variants (ykair), okod variants (okody), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair)	ceedaiin, ceokain, ceol, ody, okody, otaiin, otal, otar, otaral, oteedy, oteey, oteoal, oteotey, otody, oty, ykair, ykolaiin	0.12701
f112r #2	o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (oteey, otey, qokeey, okeey, ceoty), otai0-4n (otaiin)	otaiin, oteedy, oteey, oteotey, otey	0.11382
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	alody, ceokain, cseeeor, daly, okar, otal, otar, oteosal, ykolaiin	0.11023
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp][yoa] (opaiin), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opc + e4ol (opceol), otai0-4n (otaiin)	ceokain, ceol, cseeeor, daly, okal, opceeol, opys, otaiin, oteedy, oteeody, ykolaiin	0.10798
f104r #11	[yo][fptk]e4od + y (oteody), o[fptk]ai4n (okaiin), o[lr]a (oraiin), okal variants (okal), okar variants (okar)	ceokain, okal, okar, oteody, ykolaiin	0.10123
f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	ceokain, okal, otaral, oteedy, oteeody, oteotey	0.09865
f107v #6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp][yoa] (opal), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), o[fptk]ai4n (okaiin), okal variants (okal), ol[tk] (olkal), olai0-4n (olaiin), otal variants (otal), otar variants (otar)	alody, ceedaiin, ceeoltey, ceokain, ceol, okal, opys, otal, otar, ykolaiin	0.09242
f114v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4o (oteeo, oteo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, okeey, oteey, ceoty), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal)	alody, ceo, ceokain, cseeeor, okal, otaiin, otal, otcey, oteeeo, oteeo, oteey, oteotey	0.09211
f104r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedaiin), otai0-4n (otaiin)	alody, ceedaiin, ceol, cseeeor, otaiin	0.08872
f107r #5	oe0-4s (cseos, os), opc + e4ol (opceeol), otai0-4n (otaiin), otal variants (otalar)	opceeol, otaiin, otalar, oteosal	0.08798
f113v #2	[yo][fptk]e4od + y (oteody), o[fptk]e4dy (otedy, oteedy), o[fptk]edar (otedar), o[tk]e0-4y (qokeey), o[tk]e4s (otees), otai0-4n (otaiin)	otaiin, oteedar, oteedy, otees, oteody, oteotey	0.08728
f114v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [yo][fptk]e4o (oteeo), [yo]dy endings (otceeody), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (qopceey), okol variants (okol), olai0-4n (olaiin), otai0-4n (otaiin), otal variants (otal)	alody, ceo, ceokain, ckeo, otaiin, otal, otcey, oteeo, ykolaiin	0.08728
f116r #2	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oteey, otey, oty), o-axis of [yo][fptk][ao][lr] (otor), otal variants (otal)	cealaly, daly, otal, oteedy, oteey, otey, otolal, oty	0.08553
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [yo][fptk]e4od + y (okeody), ce4a (ceal, ceeal, cseeal, cseear), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]e4dy (okeedy, otedy, oteedy, qoteedy), o[tk]e0-4y (ykeey, oteey, qokeey, okeey, okey, ceoteey), oe0-4s (ys), otai0-4n (otaiin), otal variants (otal)	cealaly, ceedaiin, ceol, ceotear, ceoteey, cseeeor, okey, opys, otaiin, otal, oteedy, oteeody, oteey, oteotey, ykeey	0.08537
f113v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy), o[lr]a (oraiin), o[tk]e0-4y (okeey, oteeey, oteey), o-axis of [yo][fptk][ao][lr] (otor), otai0-4n (otaiin, otain), otar variants (otar)	alody, cseeeor, cseeeteey, otaiin, otar, oteedy, oteey, oteotey, otolal	0.08520
f103r #8	cedai4[lrsm | n] (ceedal), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky)	ceedaiin, oky, oteedy, oteey, oteotey, otey, oty	0.08480
f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (ceokeedy, okedy, okeedy, otedy, oteedy), o[tk]e0-4y (qokeey, yty, okeey, okey), okar variants (okar), ola (olal), otai0-4n (otain), otar variants (otarar)	alody, ceedaiin, ceol, ckeo, okar, okey, otaiin, otaral, oteedy, oteotey, otolal	0.08201
f103v #8	[yo][fp][yoa] (opar), a[dlrsmg]am (aram), ce4a (cseal), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, qoty, ykeey), otai0-4n (otain), otal variants (otal), otar variants (otear)	cseal, opys, otaiin, otal, otalam, otaral, oteedy, oteey, oteotey, oty, ykeey	0.08198
f112r #10	[ao][lr][ao][lr] Pipe/Flow (aral), [yo][fp][yoa] (opal), [yo]dy endings (cseeody), a[lr]an (alain), o[fptk]ai4n (okaiiin), o[fptk]c + e0-4y (okcey), o[fptk]e4dy (otedy), o[fptk]e4os (okeeos), o[lr]y (ory), okal variants (okal), okar variants (okar)	alain, alody, cealaly, ceokain, okal, okar, okeoly, opys, otcey, oteedy, oteosal	0.08187
f112v #2	o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar), otai0-4n (otaiin), otal variants (otal)	ceokain, okal, okar, otaiin, otal, oteedy, otolal	0.08171
	Pisces		
f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[fptk]ody (otody), o[tk]e0-4y (oty, qokeey, oteey, okeeey, okeey), oa (oar), okar variants (ykair), okod variants (okody), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair)	ceedaiin, ceokain, ceol, ody, okody, otaiin, otal, otar, otaral, oteedy, oteey, oteoal, oteotey, otody, oty, ykair, ykolaiin	0.12701
f112r #2	o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (oteey, otey, qokeey, okeey, ceoty), otai0-4n (otaiin)	otaiin, oteedy, oteey, oteotey, otey	0.11382
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	alody, ceokain, cseeeor, daly, okar, otal, otar, oteosal, ykolaiin	0.11023
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp][yoa] (opaiin), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opc + e4ol (opceol), otai0-4n (otaiin)	ceokain, ceol, cseeeor, daly, okal, opceeol, opys, otaiin, oteedy, oteeody, ykolaiin	0.10798
f104r #11	[yo][fptk]e4od + y (oteody), o[fptk]ai4n (okaiin), o[lr]a (oraiin), okal variants (okal), okar variants (okar)	ceokain, okal, okar, oteody, ykolaiin	0.10123
f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	ceokain, okal, otaral, oteedy, oteeody, oteotey	0.09865
f107v #6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp][yoa] (opal), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), o[fptk]ai4n (okaiin), okal variants (okal), ol[tk] (olkal), olai0-4n (olaiin), otal variants (otal), otar variants (otar)	alody, ceedaiin, ceeoltey, ceokain, ceol, okal, opys, otal, otar, ykolaiin	0.09242
	Aries		
f112r #2	cectey relatives (cectey), o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (oteey, otey, qokeey, okeey, ceoty), otai0-4n (otaiin)	cectey, lcseeotey, okeeedy, otaiin, oteedy, oteey, otey	0.12565
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), ola (olal), otal variants (otal), otar variants (otar), rai4n (raiin)	*oeky, aly, ceeody, lkceol, otaiin, otal, otear, oteosaiin, otolaiin, raiin, tar	0.12079
f103r #15	[fptk]ai4[dlrsmg | n] (tar), ce4a (ceeal, cseeal), o[fptk]c + e0-4dy (otcseedy), o[tk]e0-4y (qokeey, cseokey)	ceekeal, cseeal, cseokey, lcseeotey, otcsecsedy, tar	0.11858
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp][yoa] (opaiin), [yo][fptk]e4od + y (qokeody), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), otai0-4n (otaiin), rai4n (raiin), sai4n (saiin)	aly, cseckeey, lkceol, okalody, okeeedy, okeokeokeody, olaiin, opotey, otaiin, raiin, saiin	0.11847
f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, okeeey, okeey, oty, qokeey), oa (oar), okod variants (okody), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar), otor variants (otody), sai4n (saiin)	araydy, lcseeotey, lkceol, oar, okody, olaiin, otaiin, otal, otear, oteedy, oteeodals, oteey, saiin	0.10883
f113v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), cectey relatives (cectey), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy), o[lr]a (oraiin), o[tk]e0-4y (oteeey, oteey, okeey), otai0-4n (otaiin, otain), otar variants (otar), otor variants (otor)	cectey, ceekey, ceeody, lcseeotey, lkceol, okeeedy, otaiin, otear, oteey, oteeykey, otolaiin, otor	0.10468
f116r #2	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), ceckey relatives (ceckey), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oteey, otey, oty), okam variants (okam), otal variants (otal), otor variants (otor), sai4n (sain)	cseckeey, dalalody, lcseeotey, okeeedy, otal, oteedy, oteey, otey, otokaim, otor, saiin, sary	0.10246
f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	lcseeotey, okalody, okeeedy, okeokeokeody, otaiin, otear, oteedy	0.09880
f114v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4o (oteeo, oteo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, okeey, oteey, ceoty), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal)	ceeody, cseeeokeeo, cseeo, lcseeotey, lkceol, okalody, opceey, otaiin, otal, oteey, oteo, otokaim, tar	0.09849
f107v #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (cear), olai0-4n (olaiin), otal variants (otal)	cear, lkceol, olaiin, otal	0.09774
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [fptk]ai4[dlrsmg | n] (kar, tar), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), o[fptk | dlrsmg][ao]m (otam), o[fptk]e4dy (otedy, oteedy, okeedy, qoteedy), o[tk]e0-4y (ykeey, okeey, oteey, qokeey, okey, ceoteey), oce4y (oceey), oe0-4s (ys), otai0-4n (otaiin), otal variants (otal), sai4n (saiin, sain)	cseeal, dalalody, lcseeotey, lkceol, okeeedy, okeokeokeody, okey, otaiin, otal, otecear, oteedy, oteey, oteocey, oteosaiin, otokaim, saiin, tar	0.09614
f107v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fptk]e4od + y (okeeody), ai0-4[dlrsmg][dlrsmg] (aldy), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okedy), oa (oaiin), otai0-4n (otaiin), rai4n (raiin)	lkceol, okeeedy, okeeody, opceey, otaiin, oteeodals, otokeoar, raiin	0.09557
f107v #6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin, kal), [yo][fp][yoa] (opal), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), okal variants (okal), ol[tk] (olkal), olai0-4n (olaiin), otal variants (otal), otar variants (otar)	ceeody, lkceol, okalody, olaiin, olkeeody, opotey, otaiin, otal, otear, tar	0.09318
f114v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [yo][fptk]e4o (oteeo), [yo]dy endings (otceeody), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), okol variants (okol), olai0-4n (olaiin), opce0-4y (qopceey), otai0-4n (otaiin), otal variants (otal)	araydy, cseeeokeeo, cseeo, okol, olaiin, opceey, otaiin, otal	0.09248
f107v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (kal), [yo]dy endings (alody), eky (ceeky), o[fptk]e4dy (otedy), o[fptk]e4os (oteos), oc[s | fptk]e4y (cseoctey), otai0-4n (otaiin), otal variants (otal), otar variants (otar), sai4n (sain)	araydy, ceeky, cseol, okeeedy, otaiin, otal, otear, oteocseey, oteos, saiin, tar	0.09236
f103r #18	c-sequence + e4 + [fptk] + c-sequence + e4 + y (ceepcey), o[tk]e0-4y (oteey, qokeey, qoty), opce0-4y (qopceey), otal variants (otal)	ceetcsey, lcseeotey, opceey, otal, oteey	0.08744
f103v #11	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (otey, oty, qokeey, okeey, okey, ykeey), opce0-4y (opceey), otal variants (otaly), sai4n (saiin)	ceeody, lkceol, okalody, olaiin, olkeeody, opotey, otaiin, otal, otear, tar	0.09732
f106v #6	oe sans oy + oe4y, oe0-4s (oeedy), olai0-4n (olaiin), otai0-4n (otaiin), otal variants (otal), sai4n (sain)	oekeeey, olaiin, otaiin, otal, saiin	0.08671

f103v #8	[fptk]ai4[dlrsmg | n] (tar), [yo][fp][yoa] (opar), ce4a (cseal), o[fptk | dlrsmg][ao]m (otam), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, qoty, ykeey), otai0-4n (otain), otal variants (otal), otar variants (otear), sai4n (sain)	lcseeotey, opotey, otaiin, otal, otear, otecear, oteedy, oteey, otokaim, saiin, tar	0.08556
f107v #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin), [yo]dy endings (ceeody), cectey relatives (cectey), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), o[tk]e0-4y (ceoty, qokeey, okeey), okal variants (okal), ol[tk] (olkal), otai0-4n (otain), otal variants (otal), otol variants (otol)	cectey, ceeody, lcseeotey, lkceol, okalody, okeeedy, olkeeody, otaiin, otal, oteeykey, otokaim, otol, tar	0.08506
	Taurus		
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	aly, ceeol, cetos, cseeky, cseeolaiin, kaiin, kal, okaiin, okar, otal, otalody, otar	0.16738
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp]ai0-4[rn] (opaiin), [yo][fptk]e4od (qokeody), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), otai0-4n (otaiin), sai4n (saiin)	aly, ceckey, ceeol, ceol, cseeeor, cseeolaiin, ofaralar, okaiin, okal, otaiin, oteedy, oteeodaiin, sain	0.14680
f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (okody, ody, otody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair), sai4n (saiin)	cedaiir, ceedal, ceol, cseeolaiin, keey, oaiin, okeey, oqokar, otaiin, otain, otainy, otal, otalody, otar, otaraldy, oteedy, oteey, oteokeey, oty, sain	0.13485
f107v #6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin, kal), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), o[fptk]ai4n (okaiin), okal variants (okal), ol[tk] (olkal), olai0-4n (olaiin), opal variants (opal), otal variants (otal), otar variants (otar)	cedaiir, ceeolky, ceol, cseeolaiin, kaiin, kal, okaiin, okal, opalar, otal, otalody, otar	0.13340
f103r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin), ce4a (ceal), c-sequence + e4 + [fptk] + c-sequence + e4 + y (cepcey), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), o[tk]e0-4y (oteey, okeey), ora (oraiin)	ceal, ceol, cepcey, kaiin, okaiin, okeey, oteedy, oteey, oteorar	0.12821
f112v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), ce4a (ceal), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), o[fptk]e4dy (oteedy), olo (ceeolor), otam variants (otam)	ceal, ceckey, ceeol, ceeolor, ceol, okaiin, otam, oteedy	0.12571
f112r #2	o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, oteey, otey, qokeey, ceoty), otai0-4n (otaiin)	okeedy, okeey, otaiin, oteedy, oteey, oteokeey, otey	0.12511
f112r #9	[yo][fptk]e4od (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	okaiin, okal, okeedy, okeey, otaraldy, oteedy, oteeodaiin	0.12500
f116r #2	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), ceckey relatives (ceckey), o[fptk | dlrsmg][ao]m (okam), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oteey, otey, oty), otal variants (otal), otor variants (otor), sai4n (sain)	ary, ceckey, orom, otal, oteedy, oteey, oteorar, otey, otor, oty, sain	0.12415
f104r #11	[fptk]ai4[dlrsmg | n] (kaiin), [yo][fptk]e4od (oteody), o[fptk]ai4n (okaiin), okal variants (okal), okar variants (okar), ora (oraiin)	kaiin, okaiin, okal, okar, oteeodaiin, oteorar	0.12414
f107v #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (cear), olai0-4n (olaiin), otal variants (otal), otas variants (otas)	cear, ceol, cseeolaiin, otal, otas	0.11916
f114v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4o (oteo, oteeo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, oteey, okeey, ceoty), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal), otam variants (otam)	ceeol, cseeeo, kal, ocseodody, okaiin, okal, okeey, otaiin, otain, otal, otam, otcey, oteeo, oteey, oteo, oteokeey	0.11742
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [fptk]ai4[dlrsmg | n] (kar, tar), [yo][fptk]e4od (okeody), ce4a (cseeal, cseear, ceal, ceeal), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]e4dy (okeedy, otedy, oteedy, qoteedy), o[tk]e0-4y (oteey, qokeey, okey, ykeey, okeey, ceoteey), oce4y (oceey), oe0-4s (ys), otai0-4n (otaiin), otal variants (otal), otam variants (otam), sai4n (saiin, sain)	ceal, cealaiin, cedaiir, ceeol, cekeeal, ceol, cseeeor, kal, oceey, ofaralar, okeedy, okeey, otaiin, otal, otam, oteedy, oteeodaiin, oteey, oteokeey, sain, ys	0.11642
f103v #5	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), ce4a (cear), o[fptk]e4dy (oteedy), otai0-4n (otain), otal variants (otaly), otam variants (otam), otar variants (otar)	cear, cseeeor, cseo, otain, otaly, otam, otar, oteedy	0.11508
f113v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteeey, oteey), ora (oraiin), otai0-4n (otaiin, otain), otar variants (otar), otor variants (otor)	ceeol, ceeor, cseetey, okeedy, okeey, otaiin, otain, otalody, otar, oteey, oteokeey, oteorar, otor	0.11349
f114v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk]e0-4y (teey), [yo][fptk]e4o (oteeo), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (qopceey), o[fptk]c + e4ody (otceeody), okol variants (okol), olai0-4n (olaiin), otai0-4n (otaiin), otal variants (otal)	cseeeo, cseeolaiin, cseo, okaiin, okol, otaiin, otal, otceody, otcey, oteeo, teey	0.11301
f107r #12	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceo), ce4a (ceal), o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), oi (oiin), okal variants (okal), ol[tk] (olkar), otal variants (otal), otam variants (otam), otar variants (otair)	aly, ceal, ceeol, ceeolky, cseeeo, okaiin, okal, okoiin, otal, otam, otaraldy, oteedy	0.10983
f103v #8	[fptk]ai4[dlrsmg | n] (tar), [fptk]e0-4y (keey), a[dlrsmg]am (aram), ce4a (cseal), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, qoty, ykeey), opar variants (opar), otai0-4n (otain), otal variants (otal), otam variants (otam), otar variants (otear), sai4n (sain)	cekeeal, kal, keey, okalam, opar, otain, otal, otam, otaraldy, oteedy, oteey, oteokeey, oty, sain	0.10819
f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (ceokeedy, okedy, okeedy, otedy, oteedy), o[tk]e0-4y (qokeey, okeey, okey, yty), okar variants (okar), ola (olal), om (okeeom), otai0-4n (otain), otam variants (otam), otar variants (otarar)	cedaiir, ceedal, ceol, cseeolaiin, cseo, ofacfom, okar, okeedy, okeey, okoceey, otain, otalody, otam, otaraldy, oteedy, oteokeey	0.10781
f107v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (kal), [yo]dy endings (alody), eky (ceeky), o[fptk]e4dy (otedy), o[fptk]e4os (oteos), oce4y + infixed versions (cseoctey), otai0-4n (otaiin), otal variants (otal), otar variants (otar), sai4n (sain)	ceeky, cseeeolody, cseol, kal, okoceey, otaiin, otal, otar, oteedy, oteos, sain	0.10502
	Gemini		
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), ek[yoa] (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	aly, ceekaiin, ceeol, okaiin, okar, okeolar, otal, otar, otoees, qotceody	0.15141
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od (qokeody), o[fptk]ai4n (opaiin, okaiin), okal variants (okal), olai0-4n (olaiin), otai0-4n (otaiin)	aly, ceeol, ceol, ceotaiin, okaiin, okal, olain, otaiin, qokeodal	0.12676
f114v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4o (oteeo, oteo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, oteey, ceoty, okeey), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal), otam variants (otam)	ceeo, ceeol, ceotaiin, okaiin, okal, okeey, okeo, otaiin, otal, otam, otceey, oteeey, oteey, oteeykeeytey, qotceody	0.11072
f104r #11	[yo][fptk]e4od (oteody), o[fptk]ai4n (okaiin), okal variants (okal), okar variants (okar), ora (oraiin)	okaiin, okal, okar, orary, qokeodal	0.10846
f107r #12	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceo), ce4a (ceal), o[fptk]ai4n (okaiin), oe sans oy + oe4y, oe0-4s (oeedy), okal variants (okal), otal variants (otal), otam variants (otam), otar variants (otair)	aly, ceal, ceeo, ceeol, okaiin, okal, otair, otal, otam, qoeeeol	0.10514
f114v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk]e0-4y (teey), [yo][fptk]e4o (oteeo), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (qopceey), o[fptk]c + e4ody (otceeody), o-axis of [yo][fptk][ao][lr] (okol), olai0-4n (olaiin), otai0-4n (otaiin), otal variants (otal)	ceeo, cseo, okaiin, okeo, olain, otaiin, otal, otceey, otolam, qotceody, tey	0.10258
f112r #2	o[tk]e0-4y (oteey, otey, qokeey, ceoty, okeey), otai0-4n (otaiin)	okeey, otaiin, oteey, oteeykeeytey, otey	0.10225
f103r #9	[yo]ce4y + infixed versions (qoceey), ce4a (ceal), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, qokeey), otai0-4n (otain)	ceal, ceotaiin, cseeyctey, okaiin, okeey, oteeykeeytey	0.09702
f103r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (ceal), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, oteey), ora (oraiin)	ceal, ceol, okaiin, okeey, orary, oteey	0.09533
f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody), o[fptk][ao]d (otody, okody), o[fptk]ai4n (ceokain), o[tk]e0-4y (oty, qokeey, okeeey, okeey, oteey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair)	ceol, ceotaiin, okairy, okeey, okyd, olain, otad, otaiin, otair, otal, otar, oteey, oteeykeeytey, otoar, qotceody, tey	0.09523
f113v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[tk]e0-4y (okeey, oteeey, oteey), o-axis of [yo][fptk][ao][lr] (otor), ora (oraiin), otai0-4n (otaiin, otain), otar variants (otar)	ceeol, ceotaiin, cseteeey, okeey, orary, otaiin, otar, oteeey, oteey, otolam, qotceody	0.09435
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [yo][fptk]e4od (okeody), [yo]ce4y + infixed versions (oceey), ce4a (cseeal, cseear, ceal, ceeal), o[tk]e0-4y (ceoteey, okeey, okey, oteey, qokeey, ykeey), oe0-4s (ys), otai0-4n (otain), otal variants (otal), otam variants (otam)	ceal, ceeol, ceol, ckeal, cseeyctey, okeey, okeolar, okyd, otaiin, otal, otam, oteey, oteeykeeytey, otoees, qokeodal	0.09024
f112v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceeol), ce4a (ceal), o[fptk]ai4n (okaiin), ol[yoa] (ceeolor), otam variants (otam)	ceal, ceeol, ceol, okaiin, okeolar, otam	0.09019
f113v #9	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseeol), [fptk]e0-4y (keey), ce4a (cear, otceam), o[fptk]ai4n (okaiiin, okaiin), o[tk]e0-4y (oteey, qokeey, oky), okal variants (okal), okar variants (okar), otai0-4n (otaiin, otain)	ceeol, ceotaiin, ckeal, okaiin, okal, okar, okyd, otaiin, oteey, oteeykeeytey, tey	0.08894
f108r #4	[yo][fptk]e4o (ykeeo), [yo][fptk]e4od (oteeody), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, ykeey), okal variants (okal), otal variants (otal)	okaiin, okal, okeey, okeo, otal, oteeykeeytey, qokeodal	0.08734
f107v #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (cear), o[tk][ao]s (otas), olai0-4n (olaiin), otal variants (otal)	ceol, ckeal, olain, otal, otoees	0.08646
f113r #3	c | c[fptk] + e4o (ceeo, ceo), ke4o (keor), o[fptk]ai4n (okaiin), o[tk]e0-4y (oteey, qokeey), otai0-4n (ceotaiin), otal variants (otal)	ceeo, ceotaiin, keodal, okaiin, okyd, otal, oteey	0.08447
f112v #2	o[fptk]ai4n (okaiin), o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar), otai0-4n (otaiin), otal variants (otal)	okaiin, okal, okar, otaiin, otal, otolam	0.08163
f113v #8	o[fptk]ai4n (opaiin), o[fptk]c + e0-4y (otceey, qopceey), o[tk]e0-4y (otey), otai0-4n (otaiin), otar variants (otar), otol variants (otol)	ceotaiin, otaiin, otar, otceey, otey, otolam	0.08140
f104r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[tk]e0-4y (oteey, qokeey), okam variants (okam), otai0-4n (otaiin, otain)	ceeol, ceotaiin, okam, otaiin, oteey, oteeykeeytey	0.08093
	Cancer		
f112r #2	o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, oteey, otey, qokeey, ceoty), otai0-4n (otaiin)	ceoty, doteey, okeey, otaiin, oteedy, oteey, otey	0.12503
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin), opc + e4ol (opceol), otai0-4n (otaiin)	aly, ceeeor, ceeol, okalar, okeeody, olaiin, opceol, opoiiin, otaiin, oteedy, ypaiiin	0.10833
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]e4dy (okeedy, otedy, oteedy, qoteedy), o[tk]e0-4y (ykeey, oteey, qokeey, okeey, okey, ceoteey), oce4y (oceey), oe0-4s (ys), otai0-4n (otaiin)	aral, ceeal, ceedaiin, ceeeor, ceeol, ceoctear, ceoteey, ceteos, cseeal, csear, cseeol, cseeor, doteey, oceey, okeey, okeody, otaiin, oteedy,	0.10827

		oteey, ykeey	
f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	okalar, okeey, okeody, opoiiin, oteedy, ytairal	0.10747
f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody, okody, otody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, okeeey, okeey, oty, qokeey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otai0-4n (otaiin, otain), otar variants (otair, otar)	ceedaiin, ceeeor, doteey, fydy, okarar, okeeey, okeey, olaiin, opoiiin, otaiin, oteedy, oteey, teey, ykoaly, ytairal	0.10556
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otar variants (otar)	aly, ceeky, ceeol, ceteos, fydy, okar, olalsy, opoiiin, ytairal	0.10475
f104r #11	[yo][fptk]e4od + y (oteody), o[fptk]ai4n (okaiin), okal variants (okal), okar variants (okar), orai0-4n (oraiin)	okalar, okar, opoiiin, oraiin, oteody	0.10143
f112r #10	[ao][lr][ao][lr] Pipe/Flow (aral), [yo]dy endings (cseeody), a[lr]an (alain), o[fptk]ai4n (okaiiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcey), o[fptk]e4dy (otedy), o[fptk]e4os (okeeos), o[fptk]o (oto), okal variants (okal), okar variants (okar), opal variants (opal), ory (ory)	alaiiin, aral, fydy, ofcseoldy, okaiiin, okalar, okar, okeos, opalal, ory, oteedy, oto	0.09939
f113v #2	[yo][fptk]e4od + y (oteody), o[fptk]e4dy (otedy, oteedy), o[fptk]edar (otedar), o[tk]e0-4y (qokeey), o[tk]e4s (otees), oc[fptk]e4y (ceockey), otai0-4n (otaiin)	cseoctey, doteey, otaiin, otedar, oteedy, otees, oteody	0.09913
f106v #10	[yo][fptk]e4od + y (oteody), o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeey, ceoty), oce4y (okoceey), oe0-4s (ceeos), oi (oin), otai0-4n (otaiin, otain), otar variants (ceotar)	ceoty, ceteos, doteey, oceey, oin, okeey, otaiin, oteedy, oteody, ytairal	0.09752
f103r #15	ce4a (ceeal, cseeal), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otcseedy), o[tk]e0-4y (qokeey, cseokey)	ceeal, cseeal, doteey, ofcseoldy	0.09667
f113v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteeey, oteey), o-axis of [yo][fptk][ao][lr] (otor), orai0-4n (oraiin), otai0-4n (otaiin, otain), otar variants (otar)	ceeol, ceeor, doteey, fydy, okeey, oraiin, otaiin, oteedy, oteey, ykoly, ytairal	0.09418
f104v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor, cseeol), [yo]dy endings (ceeody)	cseeol, cseo, cseor, fydy	0.09168
f114v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4o (oteeo, oteo), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otceey), o[tk]e0-4y (oteeey, oteey, okeey, ceoty), okal variants (okal), otai0-4n (otaiin, otain)	ceeol, ceoty, cseo, doteey, fydy, ofcseoldy, okalar, okeeo, okeey, opoiiin, otaiin, oteey, oteo	0.09144
f113v #13	[fptk]e0-4y (keey), ce4a (ceeal), o[tk]e0-4y (oteeey), oe0-4s (os), okar variants (okar), orai0-4n (oraiin), otai0-4n (otaiin, otain)	ceeal, doteey, okar, oraiin, os, otaiin, teey	0.09098
f103r #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	ceeolaiin, cseeol, doteey, oteedy, otey	0.08940
f108r #2	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceeo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (oteey, okeey, qokeey), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	ceedaiin, ceeol, ceoctear, cseo, doteey, okar, okeey, oteedy, oteey, ykoly	0.08749
f113v #9	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseeol), [fptk]e0-4y (keey), c + e4 + [fptk] Endings (cseek), ce4a (cear, otceam), o[fptk]ai4n (okaiiin, okaiin), o[tk]e0-4y (oteey, qokeey, oky), okal variants (okal), okar variants (okar), otai0-4n (otaiin, otain)	ceek, ceeol, ceoctear, cseeol, doteey, okaiiin, okalar, okar, opoiiin, otaiin, oteey, teey	0.08564
f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (ceokeedy, otedy, oteedy, okedy, okeedy), o[tk]e0-4y (okeey, okey, qokeey, yty), okar variants (okar), ola (olal), otai0-4n (otain), otar variants (otarar)	ceedaiin, ceeeor, cseo, doteey, fydy, oceey, okar, okeey, olackey, otaiin, oteedy, ytairal	0.08544
f103r #8	cedai4[lrsm | n] (ceedal), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky)	ceedaiin, doteey, okeeey, okeey, oteedy, oteey, otey	0.08481
	Leo		
f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	***ofaiin, cseedykeal, cseokeedy, okedy, okeey, okeody, ototeear	0.11641
f112r #2	o[fptk]ai4n (otaiin), o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, ceoty, oteey, otey, qokeey)	***ofaiin, cseokeedy, okeey, okyeecsey, oteey, otey	0.10168
f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (cseeody), o[fptk]e4dy (okedy, otedy), okar variants (okar), otal variants (otal)	cseeody, cseokeedy, cseol, okary, okedy, otaly	0.09734
f112r #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody, okody, otody), o[fptk]ai4n (ceokain, otaiin, otain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otal variants (otal), otar variants (otar, otair)	***ofaiin, *keody, ceol, cseokeedy, okary, okeeey, okeey, okyeecsey, olaiin, otaly, oteey, ototeear, oty, teey, yal	0.09720
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), ek[yoa] (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	***ofaiin, *keody, aly, ceolairy, cseoleey, okary, okeoekol, otaly, ototeear, soees	0.09448
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), [yo]pa (opaiin), o[fptk]ai4n (otaiin, okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin)	***ofaiin, aly, ceol, cseedykeal, cseokeedy, cseoleey, okeody, olaiin, opal	0.09307
f114v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceeo, cseo), [fptk]e0-4y (teey), [yo][fptk]e4o (oteeo), o[fptk]ai4n (otaiin, okaiin), o[fptk]c + e4ody (otceeody), okol variants (okol), olai0-4n (olaiin), opce0-4y (qopceey), otal variants (otal)	***ofaiin, ceopceey, cseo, okol, olaiin, otaly, otceeody, teey, ykeeo	0.09251
f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y + infixed versions (yceey), [yo]dy endings (ceeody), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (otain), o[fptk]e4dy (okedy, okeedy, ceokeedy, otedy, oteedy), o[tk]e0-4y (qokeey, yty, okeey, okey), okar variants (okar), ola (olal), om (okeeom), otar variants (otarar)	***ofaiin, *keody, ceol, cseo, cseokeedy, ocfeey, ogeom, okam, okary, okedy, okeey, okey, okyeecsey, ototeear, solar, yty	0.08818
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (otaiin), o[fptk]e4dy (qoteedy, otedy, oteedy, okeedy), o[tk]e0-4y (okeey, okey, oteey, qokeey, ceoteey, ykeey), oce4y + infixed versions (oceey), oe0-4s (ys), otal variants (otal)	***ofaiin, ceol, cseokeedy, cseoleey, dceal, ocfeey, okam, okeey, okeody, okey, okoleeolar, okyeecsey, otaly, oteey, soees	0.08644
f103r #8	o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky)	cseokeedy, okeeey, okeey, oky, oteey, otey, oty	0.08444
f108r #14	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), [fptk]e0-4y (keey), o[fptk]e4dy (okedy, otedy, oteedy, yteedy), o[tk]e0-4y (qokeey, okeey), okam variants (okam), okar variants (okaram)	cseokeedy, cseoleey, okam, okary, okedy, okeey, okyeecsey, teey	0.08422
f116r #3	[tk]e4o (teody), o[fptk]e4dy (yteedy, otedy), o[fptk]edar (oteedar), o[tk]e0-4y (otey, qokeey, okeey)	cseokeedy, okeey, okyeecsey, otey, oyteedar, teody	0.08369
f103r #9	ce4a (ceal), o[fptk]ai4n (okaiin, otain), o[tk]e0-4y (qokeey, okeey), oce4y + infixed versions (qoceey)	***ofaiin, dceal, ocfeey, okeey, okyeecsey	0.08293
f103v #11	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (otey, oty, qokeey, ykeey, okeey, okey), opce0-4y (opceey), otal variants (otaly)	***ofaiin, *keody, ceopceey, cseokeedy, okedy, okeey, okey, okyeecsey, otaly, otey, oty	0.08210
f116r #2	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oteey, otey, oty), o-axis of [yo][fptk][ao][lr] (otor), okam variants (okam), otal variants (otal)	cseokeedy, laly, okam, okeeoloky, oleeo, otaly, oteey, otey, oty	0.08052
f112v #1	o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeeedy), o[tk]e0-4y (okeey, okey, oteey, oty, qokeey), oa (oaiin, oar), opal variants (opal), or[yoa] (oraiin), otal variants (otal)	***ofaiin, ceokory, cseokeedy, okedy, okeey, okey, okyeecsey, opal, otaly, oteey, oty, yal	0.07997
f103r #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	cseokeedy, cseoleey, okyeecsey, olaiin, otey	0.07970
f113v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), o[fptk]ai4n (otaiin, otain), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteeey, oteey), o-axis of [yo][fptk][ao][lr] (otor), or[yoa] (oraiin), otar variants (otar)	***ofaiin, *keody, ceeor, ceokory, cseokeedy, cseoleey, okeey, okeolo, okyeecsey, oteey, ototeear	0.07961
f103r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (ceal), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), o[tk]e0-4y (oteey, okeey), or[yoa] (oraiin)	***ofaiin, ceokory, ceol, cseokeedy, dceal, okeey, oteey	0.07627
f112r #10	[ao][lr][ao][lr] Pipe/Flow (aral), [yo]dy endings (cseeody), o[fptk]ai4n (okaiiin), o[fptk]c + e0-4y (okcey), o[fptk]e4dy (otedy), o[fptk]e4os (okeeos), o[fptk]o (oto), okal variants (okal), okar variants (okar), opal variants (opal), ory (ory)	***ofaiin, ceokory, ceopceey, cseedykeal, cseeody, cseokeedy, okary, okeos, okoleeolar, opal, oteok**	0.07604
	Virgo		
f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey), okal variants (okal)	ceokeedy, okaiiiny, okal, okedy, okeedy, okeey, okeody	0.12514
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin), otai0-4n (otaiin), rai4n (raiin)	aly, ceeol, ceeos, ceetolain, ceokeedy, okaiiiny, okal, opaiin, otaiin, oteeod, raiin	0.12311
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), ola (olal), otal variants (otal), rai4n (raiin)	aly, ceeol, ceeos, ceotal, cseeeoeky, kair, okaiiiny, olal, raiin, yteody	0.11024
f112r #2	o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (oteey, otey, qokeey, okeey, ceoty), otai0-4n (otaiin)	ceokeedy, cseeoty, okeedy, okeey, otaiin, otey	0.10821
f107r #12	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceo), ce4a (ceal), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), oe sans oy + oe4y, oe0-4s (oeedy), okal variants (okal), ol[tk] (olkar), otal variants (otal)	aly, ceal, ceeo, ceeol, ceokeedy, ceotal, oeedy, okaiiiny, okal, okeeom, olkar	0.10028
f114v #12	[dlrsmg]ai4m (ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4o (oteo, oteeo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, oteey, okeey, ceoty), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal)	ceeo, ceeol, ceotal, cseeoty, kair, ofceeey, okaiiiny, okal, okeeom, okeey, okeo, otaiin, ram, yteody	0.09533
f106r #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]e4dy (otedy), o[lr]y (ceeoly), o[tk]e0-4y (ceeokey, okeey), o[tk]e4s (okeees), rai4n (raiin)	ceeol, ceokeedy, cseeoty, okeees, okeey, okeory, raiin	0.09495
f114v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk]e0-4y (teey), [yo][fptk]e4o (oteeo), [yo]dy endings (otceeody), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), okol variants (okol), olai0-4n (olaiin), opce0-4y (qopceey), otai0-4n (otaiin), otal variants (otal)	ceeo, ceetolain, ceopcey, ceotal, okaiiiny, okeo, okol, otaiin, teey, yteody	0.09261
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [fptk]ai4[dlrsmg | n] (kar, tar), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), o[fptk | dlrsmg][ao]m (otam), o[fptk]e4dy (otedy, oteedy, okeedy, qoteedy), o[tk]e0-4y (okeey, oteey, qokeey, okey, ceoteey, ykeey), oe0-4s (ys), otai0-4n (otaiin), otal variants (otal)	ceal, ceeol, ceeos, ceeosy, ceokeedy, ceotal, cseeoty, kair, okeedy, okeeom, okeey, okeody, olal, otaiin	0.09169
f103r #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	ceeos, ceetolain, ceokeedy, cseeoty, okeedy, otey	0.08967
f103r #15	[fptk]ai4[dlrsmg | n] (tar), ce4a (ceeal, cseeal), o[fptk]c + e0-4dy (otcseedy), o[tk]e0-4y (qokeey, cseokey)	ceal, cseeoty, kair, otcseedy	0.08637

f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (cseeody), o[fptk]e4dy (okedy, otedy), otal variants (otal)	ceokeedy, ceotal, cseol, okedy, yteody	0.08572
f106v #15	[fptk]e0-4y (keey), [yo][fptk]e4o (okeeo), ce4a (ceal), o[fptk]e4dy (otedy, oteedy, qoteedy), o[tk]e0-4y (oty, oteey, okeey, oky, okeeey), okal variants (okal), otai0-4n (otaiin), otol variants (otol), rai4n (raiin)	ceal, ceokeedy, cseeoty, okal, okeey, okeo, otaiin, otol, oty, raiin, teey	0.08497
f107r #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kair, kal), [yo]dy endings (ceeody), ce4a (ceal, cear), okal variants (okal)	ceal, ceeol, kair, okal, yteody	0.08402
f103r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin), ce4a (ceal), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), o[tk]e0-4y (oteey, okeey), orai0-4n (oraiin)	ceal, ceeos, ceokeedy, cseeoty, kair, okaiiiny, okeey, oraiin	0.08360
f103r #9	ce4a (ceal), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, qokeey), otai0-4n (oain)	ceal, cseeoty, okaiiiny, okeey, otaiin	0.08297
f112r #1	[dlrsmg]ai4m (dam, ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody, okody, otody), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), olai0-4n (olaiin), otai0-4n (otaiin, otain), otal variants (otal)	ceeos, ceetolain, ceokeedy, ceotal, cseeoty, ody, okaiiiny, okeey, otaiin, oty, ram, teey, yteody	0.08165
f107v #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fptk]e4od + y (okeeody), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okedy), otai0-4n (otaiin), rai4n (raiin)	ceeos, ofceeey, okaiiiny, okedy, otaiin, oteeod, raiin	0.08155
f108r #4	[yo][fptk]e4o (ykeeo), [yo][fptk]e4od + y (oteeody), o[fptk]ai4n (okaiin), o[tk]e0-4y (ykeey, okeey), okal variants (okal), otal variants (otal), rai4n (raiin)	ceotal, cseeoty, okaiiiny, okal, okeey, okeo, oteeod, raiin	0.08116
f113v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteeey, oteey), o-axis of [yo][fptk][ao][lr] (otor), orai0-4n (oraiin), otai0-4n (otaiin, otain)	ceeol, ceeos, cseeoty, okeedy, okeey, okol, oraiin, otaiin, yteody	0.08018
	Libra		
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	aly, ceeeky, oeeeos, oeeody, okar, opaiin, otalal, otar, ytolaiin	0.11590
f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), okal variants (okal), otar variants (otear)	okal, okeey, opaiin, otear, ykeedy, yteod	0.10770
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (otaiin, okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin), sai4n (saiin)	aly, okal, opaiin, otedy, saiin, yteod, ytolaiin	0.10378
f112r #2	o[fptk]ai4n (otaiin), o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, oteey, otey, qokeey, ceoty)	oeeoty, okeey, opaiin, oteey, otey, ykeedy	0.10167
f104r #11	[yo][fptk]e4od + y (oteody), o[fptk]ai4n (okaiin), o[lr]a (oraiin), okal variants (okal), okar variants (okar)	okal, okar, opaiin, oteody, ytolaiin	0.10123
f112r #1	[yo]dy endings (ody, okody, otody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain, otaiin, otain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, okeeey, okeey, oty, qokeey), oa (oar), okar variants (ykair), olai0-4n (olaiin), otal variants (otal), otar variants (otar, otair), sai4n (saiin)	csedary, oeeody, oeeoty, okar, okeey, opaiin, otalal, otar, otear, oteey, saiin, ykeedy, yotoam, ytolaiin	0.10065
f112r #10	[ao][lr][ao][lr] Pipe/Flow (aral), [yo]dy endings (cseeody), [yo]pa (opal), o[fptk]ai4n (okaiiin), o[fptk]c + e0-4y (okcey), o[fptk]e4dy (otedy), o[fptk]e4os (okeeos), o[fptk]o (oto), o[lr]y (ory), okal variants (okal), okar variants (okar), sai4n (sain)	oeeody, oeeoly, okal, okalair, okar, opaiin, opcseeytey, otedy, oteeos, oto, saiin, topar	0.09347
f103r #18	c-sequence + e4 + [fptk] + c-sequence + e4 + y (ceepcey), o[tk]e0-4y (oteey, qokeey, qoty), opce0-4y (qopceey), otal variants (otal)	ceepcey, oeeoty, opcseeytey, otalal, oteey	0.08755
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk | dlrsmg][ao]m (otam), o[fptk]ai4n (otaiin), o[fptk]e4dy (qoteedy, otedy, oteedy, okeedy), o[tk]e0-4y (okeey, okey, ceoteey, oteey, qokeey, ykeey), oce4y + s infixes (oceey), oe0-4s (ys), otal variants (otal), sai4n (saiin, sain)	ceocsey, csealdy, csedary, oeeeos, oeeoty, okalair, okeey, opaiin, opcseeytey, otalal, otedy, oteey, saiin, ykeedy, ypaim, yteod	0.08579
f108r #13	[yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk | dlrsmg][ao]m (okeeom, otam), o[fptk]ai4n (otain), o[fptk]e4dy (otedy, oteedy, okedy, okeedy, ceokeedy), o[tk]e0-4y (okeey, okey, qokeey, yty), okar variants (okar), ola (olal), otar variants (otarar)	csedary, oeeody, oeeoty, okar, okeey, opaiin, otear, otedy, yceey, ykeedy, ypaim, ytolaiin	0.08556
f103r #9	ce4a (ceal), o[fptk]ai4n (okaiin, otain), o[tk]e0-4y (okeey, qokeey), oce4y + s infixes (qoceey)	ceocsey, csealdy, okeey, opaiin, opcseeytey	0.08298
f108r #2	ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (oteey, okeey, qokeey), okar variants (okar), otol variants (otol)	csealdy, csedary, okar, okeey, opcseeytey, otedy, oteey, otol, ykeedy	0.08295
f116r #3	[yo]dy endings (teody), o[fptk]e4dy (yteedy, otedy), o[tk]e0-4y (otey, qokeey, okeey)	oeeody, okeey, opcseeytey, otedy, otey, ykeedy	0.08289
f108r #10	[yo]dy endings (cseeody), o[fptk]e4dy (okedy, otedy), okar variants (okar), otal variants (otal)	oeeody, okar, otalaiin, otedy, ykeedy	0.08052
f116r #2	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), o[fptk | dlrsmg][ao]m (okam), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oteey, otey, oty), o-axis of [yo][fptk][ao][lr] (otor), otal variants (otal), sai4n (sain)	aly, okalair, opcseeytey, otalaiin, otedy, oteey, otey, saiin, ykeedy, ypaim, ytolaiin	0.08051
f103r #12	o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	oeeoty, otey, ykeedy, ytolaiin	0.07989
f103v #11	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (otey, oty, qokeey, okeey, okey, ykeey), opce0-4y (opceey), otal variants (otaly), sai4n (saiin)	oeeody, oeeoty, okeey, opaiin, opcseeytey, otalal, otedy, otey, saiin, ykeedy	0.07780
f103v #9	[ao][lr][ao][lr] Pipe/Flow (arar), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy, otedy), o[tk]e0-4y (qokeey, ykeey, okeey), otar variants (otar)	oeeoty, okalair, okeceety, okeey, opcseeytey, otar, otedy, ykeedy	0.07715
f103r #10	ce4a (ceal), c-sequence + e4 + [fptk] + c-sequence + e4 + y (cepcey), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), o[lr]a (oraiin), o[tk]e0-4y (okeey, oteey)	ceepcey, csealdy, okeey, opaiin, otedy, oteey, ytolaiin	0.07684
f112v #1	[yo]pa (opal), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeeedy), o[lr]a (oraiin), o[tk]e0-4y (okeey, okey, oteey, oty, qokeey), oa (oaiin, oar), otal variants (otal), sai4n (saiin, sain)	oeeoty, okeey, opaiin, opcseeytey, otalaiin, oteey, saiin, topar, ykeedy, yotoam, ytolaiin	0.07680
	Scorpio		
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	alceeky, aly, ceeody, ceeteeeos, ceor, kar, okary, olalaiin, opaiin, otal, otar	0.13665
f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (okeey), otar variants (otear)	okedy, okeedy, okeey, okeody, opaiin, otar, oyteedy	0.11610
f112r #2	o[fptk]ai4n (otaiin), o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, ceoty, oteey, otey, qokeey)	ceoteey, okeedy, okeey, opaiin, oteey, otey, oyteedy	0.10736
f112r #1	[dlrsmg]ai4m (dam, ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody, otody, okody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain, otaiin, otain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), okar variants (ykair), olai0-4n (olaiin), otal variants (otal), otar variants (otar, otair)	ceedar, ceetceody, ceor, ceoteey, dam, okary, okeey, olalaiin, opaiin, otal, otar, oteey, oyteedy, salceedal	0.10577
f107v #6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin, kal), [yo]dy endings (ceeody), [yo]pa (opal), cedai4[lrsm | n] (cedar), o[fptk]ai4n (okaiin), ol[tk] (olkal), olai0-4n (olaiin), otal variants (otal), otar variants (otar)	cedar, ceeody, ceor, kar, olalaiin, olteey, opaiin, opar, otal, otar	0.09895
f113v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]ai4n (otaiin, otain), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteeey, oteey), or[yoa] (oraiin), otar variants (otar), otor variants (otor)	ceeody, ceeteey, ceor, ceoteey, okeedy, okeey, opaiin, otar, oteey, otoreees, ykeeory	0.09416
f116r #5	o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (qokeey, okeey), otal variants (otal), otar variants (otar, otarar)	ceoteey, okeedy, okeey, otal, otar, oyteedy	0.09303
f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (cseeody), o[fptk]e4dy (okedy, otedy), okar variants (okar), otal variants (otal)	ceetceody, ceor, okary, okedy, otal, oyteedy	0.09186
f103r #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	ceor, ceoteey, okeedy, olalaiin, otey, oyteedy	0.08962
f103r #18	c-sequence + e4 + [fptk] + c-sequence + e4 + y (ceepcey), o[fptk]c + e0-4y (qopceey), o[tk]e0-4y (qoty, oteey, qokeey), otal variants (otal)	ceotcey, ceoteey, cseetce, otal, oteey	0.08731
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [fptk]ai4[dlrsmg | n] (kar, tar), [yo][fptk]e4od + y (okeody), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]ai4n (otaiin), o[fptk]e4dy (qoteedy, okeedy, otedy, oteedy), o[tk]e0-4y (oteey, qokeey, okeey, okey, ykeey, ceoteey), oce4y (oceey), oe0-4s (ys), otal variants (otal)	alar, ceedar, ceeteeeos, ceor, ceoteey, kar, okeedy, okeey, okeody, opaiin, otal, oteey, oyteedy, qoceey, salceedal	0.08647
f103r #9	o[fptk]ai4n (okaiin, otain), o[tk]e0-4y (okeey, qokeey), oce4y (qoceey)	ceoteey, okeey, opaiin, qoceey	0.08316
f108r #13	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (otain), o[fptk]e4dy (otedy, oteedy, okedy, okeedy, ceokeedy), o[tk]e0-4y (okeey, okey, qokeey, yty), okar variants (okar), ola (olal), otar variants (otarar)	ceedar, ceeody, ceor, ceoteey, okary, okedy, okeedy, okeey, olalaiin, opaiin, otar, oyteedy, qoceey, salceedal	0.08201
f107r #13	[fptk]ai4[dlrsmg | n] (kaiin), [yo]dy endings (cseeody), a[dlrsmg]am (aram), o[fptk]ai4n (ceotain), o[tk]e0-4y (okeey, oteey), otal variants (otal)	aram, ceetceody, kar, okeey, opaiin, otal, oteey	0.08041
f108r #14	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), a[dlrsmg]am (okaram), cedai4[lrsm | n] (cedar), o[fptk]e4dy (okedy, otedy, oteedy, yteedy), o[tk]e0-4y (qokeey, okeey)	aram, cedar, ceor, ceoteey, okedy, okeey, oyteedy	0.08000
f107v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (kal), [yo]dy endings (alody), eky (ceeky), o[fptk]ai4n (otaiin), o[fptk]e4dy (otedy), o[fptk]e4os (oteos), oc[fptk]e4y (cseoctey), otal variants (otal), otar variants (otar)	alceeky, ceetceody, ceockey, ceor, kar, opaiin, otal, otar, oteos, oyteedy	0.07978
f103r #8	cedai4[lrsm | n] (ceedal), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky)	ceoteey, okeey, oky, oteey, otey, oyteedy, salceedal	0.07908
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (otaiin, okaiin), o[fptk]e4dy (otedy), olai0-4n (olaiin), opai0-4n (opaiin)	aly, ceor, olalaiin, opaiin, oyteedy, yteeody	0.07814
f103v #11	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (opceey), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (otey, oty, qokeey, ykeey, okeey, okey), otal variants (otaly)	ceeody, ceotcey, ceoteey, okedy, okeey, opaiin, otaly, otey, oyteedy	0.07762
f103v #9	[ao][lr][ao][lr] Pipe/Flow (arar), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy, otedy), o[tk]e0-4y (qokeey, ykeey, okeey), otar variants (otar)	alar, ceeteey, ceoteey, okeedy, okeey, otar, oyteedy	0.07716
	Sagittarius		
f112r #2	o[fptk]ai4n (otaiin), o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, oteey, otey, qokeey, ceoty)	ceeytey, ceoty, okeedy, otey, qokeey, ypaiiin, yteedy	0.12398
f103r #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	cseeol, okeedy, oteolain, otey, qokeey, yteedy	0.11885
f103r #18	o[tk]e0-4y (oteey, qokeey, qoty), opce0-4y (qopceey), otal variants (otal)	ceeytey, qokeey, qopceey, qoty, ytaly	0.11541
f107v #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fptk]e4od + y (qokeody), o[fptk]ai4n (otaiin, okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), opai0-4n (opaiin)	aly, okal, opaiin, otedy, oteolain, qokeody, tceol, ypaiiin	0.11309
f116r #3	[yo]dy endings (teody), o[fptk]e4dy (yteedy, otedy), o[fptk]edar (oteedar), o[tk]e0-4y (otey, qokeey, okeey)	ceeytey, otedy, otey, qokeey, ykeeody, ytedar, yteedy	0.10382

f112r #9	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey), okal variants (okal)	ceeytey, okal, okeedy, okeody, ypaiiin, yteedy	0.09871
f108v #8	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [yo][fptk]e4od + y (okeody), ce4a (cseeal, cseear, ceal, ceeal), o[fptk]ai4n (otaiin), o[fptk]e4dy (okeedy, otedy, oteedy, qoteedy), o[tk]e0-4y (ykeey, oteey, qokeey, okeey, okey, ceoteey), oe0-4s (ys), otal variants (otal)	alaly, ceary, ceeytey, cseeol, okeedy, okeody, okeos, okey, otedy, qokeey, qoteedy, tceol, ypaiiin, ytaly, yteedy	0.09381
f107v #14	o[tk]e0-4y (qokeey), opce0-4y (opceey)	opceey, qokeey	0.09086
f103v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), ce4a (ceal), o[fptk]e4dy (okeedy, ykeedy, qoteedy), o[tk]e0-4y (qoty, okeey, qokeey)	ceary, ceeytey, okeedy, qokeey, qoteedy, qoty, tceol, yteedy	0.09032
f103r #9	ce4a (ceal), o[fptk]ai4n (okaiin, otain), o[tk]e0-4y (qokeey, okeey)	ceary, ceeytey, qokeey, ypaiiin	0.08918
f103v #11	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (otey, oty, qokeey, ykeey, okeey, okey), opce0-4y (opceey), otal variants (otaly)	ceeody, ceeytey, okey, opceey, otedy, otey, oty, qokeey, ypaiiin, ytaly, yteedy	0.08667
f103r #16	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, cseol), o[fptk]e4dy (oteedy, qoteedy), o[tk]e0-4y (qokeey)	qokeey, qoteedy, tceol, yteedy	0.08226
f112r #1	[dlrsmg]ai4m (dam, ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ody), o[fptk]ai4n (ceokain, otaiin, otain), o[fptk]e4dy (oteedy), o[fptk]ody (otody), o[tk]e0-4y (oty, qokeey, oteey, okeeey, okeey), oa (oar), okod variants (okody), olai0-4n (olaiin), otal variants (otal)	ceeytey, lam, okodeey, oteolain, otoar, otody, oty, qokeey, tceol, ykeeody, ypaiiin, ytaly, yteedy	0.07886
f113v #7	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), oe0-4s (ceeos), ola (olal), otal variants (otal)	aly, ceeody, okeos, oteolain, tceol, ypaiiin, ytaly	0.07826
f107v #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), o[fptk]ai4n (otain, okaiin), o[fptk]e4dy (qoteedy), o[tk]e0-4y (qokeey, okeey, ceoty), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), ol[tk] (olkal), otal variants (otal)	ceeody, ceeytey, ceoty, okal, olkceo, oteotor, qokeey, qoteedy, tceol, ypaiiin, ytaly	0.07630
f112r #10	[ao][lr][ao][lr] Pipe/Flow (aral), [yo]dy endings (cseeody), o[fptk]ai4n (okaiiin), o[fptk]c + e0-4y (okcey), o[fptk]e4dy (otedy), o[fptk]e4os (okeeos), o[fptk]o (oto), o[lr]y (ory), okal variants (okal), opal variants (opal)	alaly, okal, okeceoly, okeos, opals, otedy, oto, qopceey, ykeeody, ypaiiin	0.07588
f114v #12	[dlrsmg]ai4m (ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo][fptk]e4o (oteeo, oteo), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin, otaiin, otain), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, oteey, okeey, ceoty), okal variants (okal), otal variants (otal)	ceeody, ceeytey, ceoty, lam, okal, qopceey, tceol, ykeeo, ypaiiin, ytaly	0.07561
f104v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseor), [yo]dy endings (ceeody)	ceeody, cseeol, tceol	0.07466
f103r #15	ce4a (ceeal, cseeal), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otcseedy), o[tk]e0-4y (qokeey, cseokey)	ceary, ceeytey, ofceeesy, qokeey	0.07459
f108r #10	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (cseeody), o[fptk]e4dy (okedy, otedy), otal variants (otal)	otedy, tceol, ykeeody, ytaly, yteedy	0.07442

Table 31.18: Highest Ranked Zodiacs for All 293 Section 5 Text Sequences

Folio	Rosette Line	Section 5 Word Categories	Associated Rosette Line Figures	Score
f103r #1	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), ce4a (ceal), ceckey relatives (ceckey), cedai4[lrsm | n] (cedar, ceedar), o[fptk]c + e0-4y (otcey), o[fptk]e4dy (okedy), o[tk]e0-4y (okey, otey, qokeey), okal variants (ceokal), okol variants (okol), otar variants (otar)	aly, ceal, ceckey, cedaiir, ceokal, okol, otar, otcey, oteedy, oteokeey, otey	0.07795
f103r #2	Scorpio	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), [yo][fptk]e4od + y (okeeody), c + e4 + [fptk] Endings (cseek), o[fptk]e4dy (okeedy), o[tk]e0-4y (okey, oteey, qokeey)	ceor, ceoteey, cseek, okeedy, okeeody, oteey	0.05363
f103r #3	Taurus	ce4a (ceal, ceeal, csear), o[fptk | dlrsmg][ao]m (okam), o[fptk]e4dy (otedy, oteedy), o[fptk]e4os (oteeos), o[tk]e0-4y (oteey, otey, okeey, okey), okal variants (okal), otai0-4n (otaiin, otain)	ceal, cealaiin, csear, okal, okeey, orom, otaiin, otain, oteedy, oteeos, oteey, oteokeey, otey	0.08502
f103r #4	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeor, cseol), cectey relatives (cectey), o[tk]e0-4y (okeey, qokeey), sai4n (saiin)	cectey, cseol, lcseeotey, lkceol, saiin	0.05561
f103r #5	Taurus	ceckey relatives (ceckey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, qokeey, okeey)	ceckey, okeey, oteedy, oteokeey, oty	0.06838
f103r #6	Gemini	o[fptk]ai4n (okaiin), o[tk]e0-4y (oteey)	okaiin, oteey	0.02636
f103r #7	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ceckey relatives (ceckey), cectey relatives (cectey), o[fptk]e4dy (okedy), okal variants (okaly), otal variants (otal), otar variants (otar)	cectey, cseckeey, cseol, okalody, okeeedy, otal, otear	0.06028
f103r #8	Taurus	cedai4[lrsm | n] (ceedal), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, otey, oty, okeeey, okeey, oky)	ceedal, okeey, oteedy, oteey, oteokeey, otey, oty	0.09064
f103r #9	Taurus	ce4a (ceal), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, qokeey), oce4y (qoceey), otai0-4n (otain)	ceal, okaiin, okeey, okoceey, otain, oteokeey	0.10424
f103r #10	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin), ce4a (ceal), c-sequence + e4 + [fptk] + c-sequence + e4 + y (cepcey), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), o[tk]e0-4y (oteey, okeey), ora (oraiin)	ceal, ceol, cepcey, kaiin, okaiin, okeey, oteedy, oteey, oteorar	0.12821
f103r #11	Sagittarius	o[fptk]e4dy (yteedy), o[tk]e0-4y (qokeey), old (ceoldy)	ceoldy, qokeey, yteedy	0.07425
f103r #12	Sagittarius	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okeedy, ykeedy), o[tk]e0-4y (otey, qokeey), olai0-4n (olain)	cseeol, okeedy, oteolain, otey, qokeey, yteedy	0.11885
f103r #13	Taurus	ceckey relatives (ceckey), o[fptk]e4dy (ykeedy), o[tk]e0-4y (okeey, oteey, qokeey)	ceckey, okeey, oteedy, oteey, oteokeey	0.06828
f103r #14	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseeol), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (qokeey), otam variants (otam)	ceeol, cseeeor, cseo, otam, oteedy, oteokeey	0.07404
f103r #15	Aries	[fptk]ai4[dlrsmg | n] (tar), ce4a (ceeal, cseeal), o[fptk]c + e0-4dy (otcseedy), o[tk]e0-4y (qokeey, cseokey)	ceekeal, cseeal, cseokey, lcseeotey, otcsecsedy, tar	0.11858
f103r #16	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, cseol), [fptk]e0-4y (keey), o[fptk]e4dy (oteedy, qoteedy), o[tk]e0-4y (qokeey)	ceeol, ceol, cseol, keey, oteedy, oteokeey	0.09660
f103r #17	Sagittarius	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[tk]e0-4y (okeey, qokeey)	ceeytey, cseeol, qokeey	0.06072
f103r #18	Sagittarius	o[tk]e0-4y (oteey, qokeey, qoty), opce0-4y (qopceey), otal variants (otal)	ceeytey, qokeey, qopceey, qoty, ytaly	0.11541
f103v #1	Sagittarius	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), ce4a (ceal), o[fptk]e4dy (okeedy, ykeedy, qoteedy), o[tk]e0-4y (qoty, okeey, qokeey)	ceary, ceeytey, okeedy, qokeey, qoteedy, qoty, tceol, yteedy	0.09032
f103v #2	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), eky (ceeky), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, oteey), sai4n (sain)	ceeky, ceeol, ceol, okaiin, okeey, oteey, sain	0.06973
f103v #3	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeor, cseor), ce4a (cseal), o[fptk]e4dy (otedy), o[tk]e0-4y (okeey), oc[fpt]e4y (octey)	ceoctear, cseeor, cseoctey, cseor, okeey, oteedy	0.04931
f103v #4	Cancer	ce4a (cseeal), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, otey, qokeey)	cseeal, doteey, okeey, oteedy, otey	0.05782
f103v #5	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), ce4a (cear), o[fptk]e4dy (oteedy), otai0-4n (otain), otal variants (otaly), otam variants (otam), otar variants (otar)	cear, cseeeor, cseo, otain, otaly, otam, otar, oteedy	0.11508
f103v #6	Aries	ce4a (cear), ceckey relatives (ceckey), o[fptk]e4dy (oteedy), olai0-4n (olaiin), otal variants (otal)	cear, cseckeey, olaiin, otal, oteedy	0.06885
f103v #7	Taurus	ce4a (cear), o[tk]e0-4y (qokeey), otar variants (otar)	cear, otar, oteokeey	0.08110
f103v #8	Taurus	[fptk]ai4[dlrsmg | n] (tar), [fptk]e0-4y (keey), a[dlrsmg]am (aram), ce4a (cseal), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, qoty, ykeey), opar variants (opar), otai0-4n (otain), otal variants (otal), otam variants (otam), otar variants (otear), sai4n (sain)	cekeeal, kal, keey, okalam, opar, otain, otal, otam, otaraldy, oteedy, oteey, oteokeey, oty, sain	0.10819
f103v #9	Taurus	[ao][lr][ao][lr] Pipe/Flow (arar), [fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy, otedy), o[tk]e0-4y (qokeey, ykeey, okeey), otar variants (otar)	cseetey, cseo, okeedy, okeey, otar, oteedy, oteokeey, oteorar	0.08929
f103v #10	Taurus	ce4a (cseal), ceckey relatives (ceckey), o[fptk]ai4n (ceokaiin), o[fptk]e4dy (otedy), o[tk]e0-4y (qokeey, okeey)	cealaiin, ceckey, ceokaiin, okeey, oteedy, oteokeey	0.05550
f103v #11	Aries	[yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (otey, oty, qokeey, ykeey, okeey, okey), opce0-4y (opceey), otal variants (otaly), sai4n (saiin)	ceeody, lcseeotey, okeeedy, okey, opceey, otaiin, otaly, otey, saiin	0.08732
f103v #12	Cancer	o[tk]e0-4y (okeey)	okeey	0.02245
f103v #13	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), [fptk]e0-4y (keey), aro[dlrsmg] (arol), ce4a (csealy, csear, cseeal), o[tk]e0-4y (okey, oty), oi (oiin), otar variants (otar)	arol, cealaiin, csear, cseeeor, cseol, keey, okoiin, otar, oteokeey, oty	0.07855
f103v #14	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), ce4a (ceary), ceckey relatives (ceckey), o[tk]e0-4y (okey, oky), ora (oraiin), otar variants (otar)	ceckey, cekeeal, cseol, otar, oteokeey, oteorar	0.05713
f104r #1	Taurus	[yo][fptk]e4o (oteeo), [yo][fptk]e4od (yteeody), [yo]dy endings (otody), ce4a (cear), cedai4[lrsm | n] (ceedal), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oky), oa (oar), oe0-4s (os), okal variants (okal), sai4n (saiin, sain)	cear, ceedal, cetos, oaiin, okal, otalody, oteedy, oteeo, oteeodaiin, oteokeey, sain	0.08600
f104r #2	Scorpio	[dlrsmg]ai4m (dam), cedai4[lrsm | n] (ceedal), o-axis of [yo][fptk][ao][lr] (okor), okar variants (okar), otar variants (otar)	dam, okary, otar, salceedal, ypol	0.02453
f104r #3	Taurus	cedai4[lrsm | n] (ceedal), oe0-4s (os), okar variants (okar), oly (otoly)	aroly, ceedal, cetos, okar	0.05190
f104r #4	Libra	[yo][fptk]e4od + y (okeeody), [yo]dy endings (ceeody), oc[fpt]e4y (octey), okal variants (okal), okar variants (okar), opce0-4y (opceey), otal variants (otal), otol variants (otol), sai4n (saiin), yodai0-4n (ceodaiin)	octey, oeeody, okal, okar, okeeody, opcseeytey, otalaiin, otol, saiin, ydaiin	0.07409
f104r #5	Aries	o[fptk]e4dy (yteedy), o[tk]e0-4y (qoty), ol[tk] (olkeeody), opce0-4y (opceey), otal variants (otal)	lcseeotey, okeeedy, olkeeody, opceey, otal	0.05232
f104r #6	Scorpio	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), opar variants (opair), otar variants (otar), otor variants (otor)	cedar, ceeody, ceor, opar, otar, otoreees	0.05647
f104r #7	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor, ceol), [fptk]ai4[dlrsmg | n] (kar), [yo]dy endings (cseeody), c | c[fptk] + e4o (cseeo), ce4a (csear, ceal, cear), ceckey relatives (ceckey), o[fptk]c + e0-4or (otceor), okar variants (okair), otai0-4n (otain)	ceal, cear, ceckey, ceeor, ceol, csear, cseeo, kal, oqokar, otain, otalody, otceor	0.08926
f104r #8	Taurus	c | c[fptk] + e4o (ceeo), ce4a (cear), cedai4[lrsm | n] (ceedar), o[fptk]e4dy (yteedy), otam variants (otam)	cear, cedaiir, cseeeo, otam, oteedy	0.03952
f104r #9	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]ai4[dlrsmg | n] (kaiin), [yo][fptk]e4o (okeeo), [yo][fptk]e4od (okeody), ce4a (ceam, cear), cedai4[lrsm | n] (ceedar), o[tk]e0-4y (oteey), okol variants (okol)	cealaiin, cear, cedaiir, ceeol, ceol, kaiin, okol, oteeo, oteeodaiin, oteey	0.06450

f104r #10	Pisces	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedaiin), otai0-4n (otaiin)	alody, ceedaiin, ceol, cseeeor, otaiin	0.08872
f104r #11	Taurus	[fptk]ai4[dlrsmg | n] (kaiin), [yo][fptk]e4od (oteody), o[fptk]ai4n (okaiin), okal variants (okal), okar variants (okar), ora (oraiin)	kaiin, okaiin, okal, okar, oteeodaiin, oteorar	0.12414
f104r #12	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), cectey relatives (cectey), o[fptk]e4dy (yteedy), o[tk]e0-4y (qoty)	cectey, lcseeotey, lkceol, okeeedy	0.02371
f104r #13	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk | dlrsmg][ao]m (okam), o[tk]e0-4y (oteey, qokeey), otai0-4n (otaiin, otain)	ceeol, orom, otaiin, otain, oteey, oteokeey	0.08711
f104v #1	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), cedai4[lrsm | n] (ceedaiin, ceedal), o[fptk]e4dy (qoteedy), oce4y + infixed versions (ceockey), otai0-4n (otaiin), otar variants (otair, otarar), yodai0-4n (ydaiin)	aly, cedaiir, ceedal, ceol, okoceey, otaiin, otaraldy, oteedy, oteeodaiin	0.05523
f104v #2	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseol)	cseeol, cseol	0.02979
f104v #3	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor, cseol), cedai4[lrsm | n] (ceedaiin), eky (ceeeky), o[fptk]e4dy (oteedy, qoteedy, ykeedy), o[tk]e0-4y (qoty), oe0-4s (ceeos), otai0-4n (otaiin)	ceedaiin, ceeky, ceeor, ceteos, cseol, doteey, otaiin, oteedy	0.06679
f104v #4	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceeo), eky (ceeky), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteeey, qoty), sai4n (saiin)	ceeky, ceeody, cseeo, lcseeotey, lkceol, oteedy, saiin	0.06261
f104v #5	Virgo	[dlrsmg]ai4m (ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), oe0-4s (ceeos)	ceeol, ceeos, ram	0.02431
f104v #6	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor), c | c[fptk] + e4o (cseeeo), cedai4[lrsm | n] (cedar), eka (ceekal), o[tk]e0-4y (qokeey), oce4y (qoceey), otam variants (otam)	cedaiir, ceeekaiin, ceol, cseeeo, cseeeor, cseo, okoceey, otam, oteokeey	0.07832
f104v #7	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor), c | c[fptk] + e4o (ceeo), cedai4[lrsm | n] (ceedaiin), oce4y (qoceey), otar variants (otar), otor variants (otor), yodai0-4n (ceodaiin)	ary, cedaiir, ceeor, cseeeo, okoceey, otar, oteeodaiin, otor	0.04275
f104v #8	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor, cseeol), [yo]dy endings (ceeody)	cseeol, cseo, cseor, fydy	0.09168
f104v #9	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin), [yo]dy endings (ceeody, cseeody), o[tk]e0-4y (qokeey)	ceol, kaiin, otalody, oteokeey	0.04833
f104v #10	Taurus	[ao][lr][ao][lr] Pipe/Flow (arair), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin), cedai4[lrsm | n] (ceedain), o[fptk]ai4n (okaiin, ceokain), o[tk]e0-4y (ykeey)	ary, cedaiir, ceeol, kaiin, okaiin, otainy, oteokeey, oteorar	0.05865
f104v #11	Taurus	[yo]dy endings (cseeody), o[fptk]e4dy (okeedy, oteedy)	okeedy, otalody, oteedy	0.05010
f104v #12	Gemini	c | c[fptk] + e4o (ceeo), ce4a (cear), o[tk]e0-4y (qokeey), okam variants (okam)	ceeo, ckeal, okam, oteeykeeytey	0.02343
f104v #13	Cancer	o[fptk]e4dy (okeeedy, oteedy), o[lr]o (orom), o[tk]e0-4y (okeeey, okeey, qokeey, qoty)	doteey, okeeey, okeey, olol, oteedy	0.07683
f105r #1	Sagittarius	[yo]dy endings (ceeody), o[fptk]c + e0-4y (ytcey), o[fptk]e4dy (yteedy, otedy), o[tk]e0-4y (otey, qokeey), o[tk]e4s (okees)	ceeody, okees, otedy, otey, qokeey, qopceey, yteedy	0.04615
f105r #2	Aries	[yo][fptk]e4od + y (okeeody, yteody), o[fptk]e4dy (oteedy), o[fptk]e4os (ykeeos), o[tk]e0-4y (qokeey, okeey), rai4n (raiin)	lcseeotey, okeeody, okeokeokeody, oteedy, oteosaiin, raiin	0.04793
f105r #3	Leo	[yo][fptk]e4od + y (yteeody), do (dol)	dol, okeody	0.01594
f105r #4	Aries	[ao][lr][ao][lr] Pipe/Flow (aral), [yo][fptk]e4od + y (yteody), [yo]dy endings (ceeody), o[fptk]e4dy (okeedy, oteedy), oe4y (oeey), ol[tk] (olkeedy), rai4n (raiin), yodai0-4l (odal)	ceeody, okeeedy, okeokeokeody, okeolol, olkeeody, oteedy, oteeodals, oteoeey, raiin	0.07321
f105r #5	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo][fp][yoa] (opaiin), [yo][fptk]e4od + y (okeeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, otedy, oteedy), o[tk]e0-4y (oteey, okeeey, okeey), ol[tk] (olkceo), opce0-4y (opceey), otol variants (otol), rai4n (raiin), sai4n (saiin)	cseol, lcseeotey, okeeedy, okeeody, olkeeody, opceey, opotey, otaiin, oteedy, oteey, otol, raiin, saiin	0.06643
f105r #6	Scorpio	[dlrsmg]ai4m (dam), o[tk]e0-4y (okeeey)	ceoteey, dam	0.02574
f105r #7	Leo	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceo), c | cs + e0-4[dlrsmg] (ceeesy), o[tk]e0-4y (oky)	ceeesy, cseo, oky	0.04499
f105r #8	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp][yoa] (opair), [yo]dy endings (ceeody), o[fptk]e4dy (oteedy, qoteedy), oe0-4s (oees), opce0-4y (opceey), rai4n (raiin)	ceeody, lkceol, okeeedy, opceey, opotey, oteedy, oteosaiin, raiin	0.06100
f105r #9	Taurus	[fptk]ai4[dlrsmg | n] (kar), a[lr][fptk] (alkam), eky (ceeky), o[tk]e0-4y (oteey), oe0-4s (oees), okal variants (okal), okar variants (ykair), otar variants (otar)	alef, ceeky, cetos, kal, okal, oqokar, otar, oteey	0.05868
f105r #10	Taurus	ko (kol), otai0-4n (otaiin), otam variants (otam), otar variants (otar), yodai0-4r (oteodar)	kol, otaiin, otam, otar, oteodar	0.09006
f105v #1	Pisces	cedai4[lrsm | n] (ceedaiin), do (dol), o[fptk]c + e0-4y (otcey), o[fptk]e4dy (oteedy), o-axis of [yo][fptk][ao][lr] (otor), okar variants (okair), otai0-4n (otaiin)	ceedaiin, dolar, okaram, otaiin, otcey, oteedy, otolal	0.04856
f105v #2	Libra	[yo][fptk]e4od + y (oteody), o[fptk]e4dy (otedy), otar variants (otair)	otear, otedy, oteody	0.02812
f105v #3	Taurus	[fptk]ai4[dlrsmg | n] (kaiin, kair), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (qoteedy), o[tk]e0-4y (ykeey), o[tk]e4s (okees), oe0-4s (os), okar variants (okairy), otai0-4n (otaiin), otal variants (otal), otar variants (otar), otos variants (otos), sai4n (saiin)	cetos, kaiin, kal, okaiin, okees, oqokar, otaiin, otal, otar, otcey, oteedy, oteokeey, otos, sain	0.05374
f105v #4	Taurus	[fptk]ai4[dlrsmg | n] (kar), o[tk]e0-4y (ykeey), okal variants (okal), okar variants (okair), ora (oraiin), otai0-4n (otaiin), otal variants (otal), yodai0-4n (ceodaiin)	kal, okal, oqokar, otaiin, otal, oteeodaiin, oteokeey, oteorar	0.06041
f105v #5	Pisces	[yo][fp][yoa] (opair), cedai4[lrsm | n] (ceedaiin), o[fptk]ai4n (okaiin), ol[tk] (ceolkal)	ceedaiin, ceokain, ceolkal, opys	0.04674
f105v #6	Taurus	[fptk]ai4[dlrsmg | n] (kair), [yo][fptk]e4o (ykeeo), c | c[fptk] + e4o (ceeo), cedai4[lrsm | n] (ceedain, ceedal), o[fptk]ai4n (okaiin), otar variants (otair)	cedaiir, ceedal, cseeeo, kal, okaiin, otaraldy, oteeo	0.05456
f105v #7	Taurus	c | cs + e0-4[dlrsmg] (cseees), o[fptk]ai4n (okaiin), o[fptk]o (oto), otar variants (otar), yodai0-4l (odal)	****eodal, cseldy, okaiin, otar, oto	0.06901
f105v #8	Taurus	[fptk]ai4[dlrsmg | n] (kair), [yo]dy endings (ody), [yo]fa (ofais), c | cs + e0-4[dlrsmg] (ces), ko (kol), o[fptk]c + e0-4y (opceey), o[fptk]e4dy (oteedy), otai0-4n (otaiin), otal variants (otal), otar variants (otar)	cseldy, kal, kol, ofacfom, otaiin, otal, otalody, otar, otcey, oteedy	0.07150
f105v #9	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), o[fptk]e4dy (okeedy), otai0-4n (otaiin), otar variants (otair), otor variants (otor), sai4n (saiin)	cseo, okeedy, otaiin, otaraldy, otor, sain	0.07614
f105v #10	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [yo][fptk]e4o (oteeo), [yo][fptk]e4od + y (okeeody), [yo]dy endings (ceeody), c | c[fptk] + e4o (cseeeo, cseeo), c | cs + e0-4[dlrsmg] (ces), c[fptk]c polygraph (ockcey), o[fptk]ai4n (okaiin), o[tk]e0-4y (oteey, okeey), oa (oaiir), okol variants (okol), ol[tk] (olkal), otai0-4n (otaiin), otar variants (otair)	ceeody, ces, cseeeokeeo, cseeo, lcseeotey, lkceol, oaiir, ockcey, okeeody, okol, olkeeody, otaiin, otear, oteey	0.08035
f106r #1	Virgo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo][fptk]e4od + y (yteeody), eky (cseeky), o[fptk]e4dy (qoteedy, yteedy), oe0-4s (ceeos)	ceeos, ceokeedy, cseeeoeky, cseol, oteeod, yteedy	0.05187
f106r #2	Virgo	[dlrsmg]ai4m (ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol, cseeor, cseol, cseor), ce4a (cear), o[fptk]ai4n (okaiin), rai4n (raiin)	ceal, ceeos, cseol, okaiiiny, raiin, ram	0.04421
f106r #3	Pisces	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), o[fptk]e4dy (oteedy, qoteedy)	ceol, oteedy	0.04652
f106r #4	Virgo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]e4dy (otedy), o[lr]y (ceeoly), o[tk]e0-4y (okeey, ceeokey), o[tk]e4s (okeees), rai4n (raiin)	ceeol, ceokeedy, cseeoty, okeees, okeey, okeory, raiin	0.09495
f106r #5	Taurus	c | c[fptk] + e4o (cseeo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (otey), opal variants (opal), otal variants (otal)	cseeo, okaiin, opalar, otal, otcey, otey	0.08542
f106r #6	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, ceor), aro[dlrsmg] (arol), cedai4[lrsm | n] (ceedar), oi (oin), okol variants (okol), otar variants (otar, ceotar), sai4n (sain)	arol, cedaiir, cseeeor, cseol, okoiin, okol, otar, otaraldy, sain	0.08165
f106r #7	Virgo	c | c[fptk] + e4o (ceeo), o[fptk]e4dy (okeedy), o[tk]e0-4y (qokeey, qoty), otol variants (otol)	ceeo, cseeoty, okeedy, otol	0.03705
f106r #8	Libra	o[fptk]e4dy (otedy)	otedy	0.01682
f106r #9	Pisces	c | c[fptk] + e4o (ceo), ce4a (cseear), cedai4[lrsm | n] (ceedar), otai0-4n (otaiin)	cealaly, ceedaiin, ceo, otaiin	0.04480
f106r #10	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeeor, ceeol, cseeol, cseor), c | c[fptk] + e4o (cseeo, ceo), o[fptk]ai4n (ceokaiin, okaiin), o[lr]a (oraiin), okal variants (okal, ykal), oly (ceeoly), rai4n (raiin), sai4n (saiin)	cseeo, lkceol, okalody, okoly, otaiin, otolaiin, raiin, saiin	0.06778
f106r #11	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [yo]dy endings (cseeody), ceckey relatives (ceckey), o[fptk]ai4n (ceokaiin), okal variants (okaly)	ceckey, ceokaiin, cseo, okalam, otalody	0.06852
f106r #12	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), c-sequence + e4 + [fptk] + c-sequence + e4 + y (cepcey), o[fptk]ai4n (okaiin)	cepcey, cseo, okaiin	0.06115
f106r #13	Aries	okal variants (okalal), otai0-4n (otaiin)	okalal, otaiin	0.04380
f106r #14	Leo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [yo][fptk]e4od + y (cseoteeody), [yo]dy endings (ceeody), do (dol), o[fptk]ai4n (okaiin)	***ofaiin, *keody, ceol, cseoleey, dol, okeody	0.03564
f106r #15	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor, cseeol, cseol), [fptk]ai4[dlrsmg | n] (kaiin, kair), ce4a (cear), eka (ceekal), o[fptk]e4dy (otedy), o[tk]e0-4y (oty, qoty, oky), okal variants (okal), otai0-4n (otaiin), otar variants (otair, otar)	cear, ceeekaiin, ceeor, cseeeor, cseol, kaiin, kal, okal, otaiin, otar, otaraldy, oteedy, oteokeey, oty	0.07735
f106v #1	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly, daly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [fptk]ai4[dlrsmg | n] (kar), [yo][fptk]e4o (oteo), c | c[fptk] + e4o (cseeo), o[fptk]c + e0-4y (ceopcey), okar variants (okar), otar variants (otair, otar)	aly, ary, cseeeor, cseeo, kal, okar, otar, otaraldy, otcey, oteo	0.07403
f106v #2	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o (ceeo, cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (cseeody), ce4a (cseeal), oc[fpt]e4y (octey), oe4y (oeey), orai0-4n (oraiin), otai0-4n (otaiin)	cseeal, cseo, cseoctey, cseol, fydy, opoeey, oraiin, otaiin	0.06871
f106v #3	Scorpio	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kar), o[tk]e0-4y (oteey)	ceor, kar, oteey	0.04445
f106v #4	Taurus	[fptk]ai4[dlrsmg | n] (kaiin), [yo][fptk]e4od (oteeody), a[lr][fptk] (alkam), ce4a (cear), o[fptk]ai4n (ceokaiin), otal variants (otal), otam variants (otam)	alef, cear, ceokaiin, kaiin, otal, otam, oteeodaiin	0.05737
f106v #5	Virgo	[fptk]ai4[dlrsmg | n] (kair), o[fptk]c + e0-4dy (otcseedy), otal variants (ceotal)	ceotal, kair, otcseedy	0.04120
f106v #6	Aries	oe sans oy + oe4y, oe0-4s (oeedy), olai0-4n (olaiin), otai0-4n (otaiin), otal variants (otal), sai4n (sain)	*oeky, olaiin, otaiin, otal, saiin	0.08671
f106v #7	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor), c | c[fptk] + e4o (ceeo, cseeeo), okal variants (okal), osa (osaiin)	cseeeo, cseeeor, okal, okeosar	0.06375
f106v #8	Pisces	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor, cseeol, cseor), a[lr]an (saraiin), ce4a (csear), o[fptk]e4dy (okeedy), o[lr]a (oraiin), okal variants (okal), okar variants (ykair)	alain, ceol, ceotear, cseeeor, okal, oteedy, ykair, ykolaiin	0.07536
f106v #9	Virgo	[fptk]ai4[dlrsmg | n] (tar), o[tk]e0-4y (qokeey), okal variants (okal), opce0-4y (ceopcey)	ceopcey, cseeoty, kair, okal	0.05457

f106v #10	Cancer	[yo][fptk]e4od + y (oteody), o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, ceoty, okeey), oce4y (okoceey), oe0-4s (ceeos), oi (oin), otai0-4n (otaiin, otain), otar variants (ceotar)	ceoty, ceteos, doteey, oceey, oin, okeey, otaiin, oteedy, oteody, ytairal	0.09752
f106v #11	Taurus	[yo]dy endings (ody), eky (cseeky)	cseeeolody, cseeky	0.02737
f106v #12	Taurus	o[fptk]ai4n (okaiin), o[tk]e0-4y (qokeey), otor variants (otor), otos variants (otos), yodai0-4l (odal)	****eodal, okaiin, oteokeey, otor, otos	0.05229
f106v #13	Virgo	c | c[fptk] + e4o (ceeo), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oty, qokeey), rai4n (raiin)	ceeo, cseeoty, ofceeey, oty, raiin	0.05602
f106v #14	Taurus	[fptk]ai4[dlrsmg | n] (kaiin), [yo]dy endings (cseeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy, qoteedy), o[tk]e0-4y (oteey, ceoty)	kaiin, okaiin, otalody, oteedy, oteey, oteokeey	0.07626
f106v #15	Taurus	[fptk]e0-4y (keey), [yo][fptk]e4o (okeeo), ce4a (ceal), cedai4[lrsm | n] (ceedar), o[fptk]e4dy (otedy, oteedy, qoteedy), o[tk]e0-4y (okeeey, oty, oteey, okeey, oky), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), otai0-4n (otaiin)	ceal, cedaiir, keey, okal, okeey, okolar, otaiin, oteedy, oteeo, oteey, oteokeey, oty	0.08773
f107r #1	Aries	o[tk]e0-4y (oteey, okeey), o[tk]e4s (okees), otai0-4n (otaiin), otor variants (otor), rai4n (raiin)	lcseeotey, otaiin, oteesceey, oteey, otor, raiin	0.05434
f107r #2	Taurus	[tk]e4o (teeody), ceckey relatives (ceckey), cedai4[lrsm | n] (ceedaiin, ceedain), o[fptk]ai4n (okaiin), o[fptk]e4dy (okeedy), o[tk]e0-4y (oteeey, oteey), otai0-4n (otaiin), otar variants (otar)	ceckey, cedaiir, okaiin, okeedy, otaiin, otar, oteey, oteokeey, teeody	0.07452
f107r #3	Taurus	ce4a (ceal, cseeal), o[fptk]ai4n (okaiin), o[fptk]e4dy (okeedy, yteedy), o[tk]e0-4y (qokeey, okeey), oi (okoiin)	ceal, cekeeal, okaiin, okeedy, okeey, okoiin, oteedy, oteokeey	0.05467
f107r #4	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (cseal), eky (cseeky), o[tk]e0-4y (okeeey), oi (oiin), otai0-4n (otain), otar variants (otar, otaral), yodai0-4l (otodal)	****eodal, cealaiin, ceeol, cseeky, okoiin, otain, otar, otaraldy, oteokeey	0.09073
f107r #5	Pisces	oe0-4s (cseos, os), opc + e4ol (opceeol), otai0-4n (otaiin), otal variants (otalar)	opceeol, otaiin, otalar, oteosal	0.08798
f107r #6	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin, tar), ai0-4[dlrsmg][dlrsmg] (aldy), o[tk]e0-4y (okeeey), oa (oaiin), opal variants (opal)	ceol, kaiin, kal, oaiin, opalar, otaraldy, oteokeey	0.06249
f107r #7	Cancer	[yo][fptk]e4o (okeeo), ce4a (csear), o[fptk]ai4n (okaiin, okaiin), okar variants (okair), ola (olal), yodai0-4n (ceodaiin)	ceoctear, oeeeodaiin, okaiiin, okarar, okeeo, opoiiin, ykeolal	0.07427
f107r #8	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kair, kal), [yo]dy endings (ceeody), ce4a (ceal, cear), okal variants (okal), otar variants (otair)	ceal, cear, ceeol, kaiin, kal, okal, otalody, otaraldy	0.09454
f107r #9	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (kal, kar), o[fptk]c + e0-4y (otcey), okal variants (ykal), otar variants (otar)	cseol, kal, okalam, otar, otcey	0.06257
f107r #10	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), [fptk]ai4[dlrsmg | n] (kaiin, kal), c | c[fptk] + e4o (ceeo), ce4a (cseal), o[fptk]ai4n (okaiin), okal variants (okal), okar variants (okar), opal variants (opal), otar variants (otar)	cekeeal, cseeeo, cseeeor, kaiin, kal, okaiin, okal, okar, opalar, otar	0.08568
f107r #11	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor), [fptk]ai4[dlrsmg | n] (kaiin), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), otai0-4n (otaiin), otar variants (otar)	ceckey, ceol, cseeeor, kaiin, okaiin, otaiin, otar	0.05837
f107r #12	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceo), ce4a (ceal), o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), oi (oiin), okal variants (okal), ol[tk] (olkar), otal variants (otal), otam variants (otam), otar variants (otair)	aly, ceal, ceeol, ceeolky, cseeeo, okaiin, okal, okoiin, otal, otam, otaraldy, oteedy	0.10983
f107r #13	Taurus	[fptk]ai4[dlrsmg | n] (kaiin), [yo]dy endings (cseeody), a[dlrsmg]am (aram), o[tk]e0-4y (okeey, oteey), otai0-4n (ceotaiin), otal variants (otal)	kaiin, okalam, okeey, otainy, otal, otalody, oteey	0.08054
f107r #14	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor), [fptk]ai4[dlrsmg | n] (kaiin), opal variants (opal), otai0-4n (otaiin), otal variants (otal)	ceeor, kaiin, opalar, otaiin, otal	0.07182
f107r #15	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (tar), o[fptk]c + e0-4y (otcey), o[tk]e0-4y (oty), okar variants (okair), otai0-4n (otaiin, otain), otal variants (otal)	ceol, kal, oqokar, otaiin, otain, otal, otcey, oty	0.08303
f107v #1	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]ai4[dlrsmg | n] (kal), [yo]dy endings (alody), eky (ceeky), o[fptk]e4dy (otedy), o[fptk]e4os (oteos), oce4y + infixed versions (cseoctey), otai0-4n (otaiin), otal variants (otal), otar variants (otar), sai4n (sain)	ceeky, cseol, kal, okoceey, otaiin, otal, otalody, otar, oteedy, oteos, sain	0.10502
f107v #2	Taurus	c | c[fptk] + e4o (cseeo), o[fptk]ai4n (okaiin), o[tk]e0-4y (oky, qokeey)	cseeo, okaiin, oteokeey	0.04751
f107v #3	Aries	[fptk]ai4[dlrsmg | n] (tar), sai4n (saiin)	saiin, tar	0.02865
f107v #4	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), o[tk]e0-4y (qokeey, okeey, ceoty), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), ol[tk] (olkal), otai0-4n (otain), otal variants (otal), otam variants (otam)	ceeolky, ceol, kaiin, okaiin, okal, okeey, okolar, otain, otal, otalody, otam, oteedy, oteokeey	0.09621
f107v #5	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor), [yo][fp]ai0-4[rn] (opaiin), [yo][fptk]e4od (qokeody), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy), okal variants (okal), olai0-4n (olaiin), otai0-4n (otaiin), sai4n (saiin)	aly, ceckey, ceeol, ceol, cseeeor, cseeolaiin, ofaralar, okaiin, okal, otaiin, oteedy, oteeodaiin, sain	0.14680
f107v #6	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kaiin, kal), [yo]dy endings (ceeody), cedai4[lrsm | n] (cedar), o[fptk]ai4n (okaiin), okal variants (okal), ol[tk] (olkal), olai0-4n (olaiin), opal variants (opal), otal variants (otal), otar variants (otar)	cedaiir, ceeolky, ceol, cseeolaiin, kaiin, kal, okaiin, okal, opalar, otal, otalody, otar	0.13340
f107v #7	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (cear), olai0-4n (olaiin), otal variants (otal), otas variants (otas)	cear, ceol, cseeolaiin, otal, otas	0.11916
f107v #8	Virgo	[dlrsmg]ai4m (ram), [fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseeor), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[tk]e0-4y (oty), okol variants (okol), opce0-4y (opceey), orai0-4n (oraiin), otal variants (otal)	ceeo, ceeol, ceeos, ceopcey, ceotal, okaiiiny, okol, oraiin, oty, ram, yteody	0.07413
f107v #9	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), o[tk]e0-4y (qokeey, qoty), otai0-4n (otaiin)	ceol, okaiin, okyd, otaiin, qotceody	0.05516
f107v #10	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fptk]e4od + y (okeeody), ai0-4[dlrsmg][dlrsmg] (aldy), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okedy), oa (oaiin), otai0-4n (otaiin), rai4n (raiin)	lkceol, okeeedy, okeeody, opceey, otaiin, oteeodals, otokeoar, raiin	0.09557
f107v #11	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), okar variants (okar)	cseeol, okar	0.03374
f107v #12	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor), ce4a (ceeary), o[fptk]ai4n (okaiin), o[tk]e0-4y (oteey), okal variants (okal)	cealaiin, ceeor, okaiin, okal, oteey	0.07953
f107v #13	Cancer	[fptk]e0-4y (keey), [yo][fptk]e4o (okeeo), o[tk]e0-4y (oteey, qokeey)	doteey, okeeo, oteey, teey	0.06936
f107v #14	Sagittarius	o[tk]e0-4y (qokeey), opce0-4y (opceey)	opceey, qokeey	0.09086
f107v #15	Aries	o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, qokeey), oe4y (okoey), otai0-4n (otain), sai4n (saiin)	lcseeotey, otaiin, oteedy, oteey, oteoeey, saiin	0.06058
f108r #1	Pisces	[yo][fptk]e4od + y (oteeody), [yo]dy endings (ody), o[fptk]c + e0-4 + y | dy | o[dlrs]y (ofcedy), o[fptk]e4dy (otedy, okedy), o[fptk]eda[lrsm | n] (okedal), oly (okeeoly), otai0-4n (otaiin), otal variants (otal)	ody, okeoly, otaiin, otal, otcey, oteedar, oteedy, oteeody	0.07036
f108r #2	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), c | c[fptk] + e4o (ceeo), ce4a (cear), cedai4[lrsm | n] (cedar), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (oteey, qokeey, okeey), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	cear, cedaiir, ceeol, cseeeo, okar, okeey, okolar, oteedy, oteey, oteokeey	0.09244
f108r #3	Scorpio	[yo]dy endings (ody), cedai4[lrsm | n] (ceedain), eka (ceekar), o[fptk]e4dy (okedy, okeedy, ykeedy), o[tk]e0-4y (oteey, okeey, okey), otal variants (otal)	ceedain, ceetceody, ceoteey, cseekal, okedy, okeedy, okeey, otal, oteey, oyteedy	0.07146
f108r #4	Gemini	[yo][fptk]e4o (ykeeo), [yo][fptk]e4od (oteeody), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey, ykeey), okal variants (okal), otal variants (otal)	okaiin, okal, okeey, okeo, okyd, otal, qokeodal	0.08734
f108r #5	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol, cseor), [yo]fa (ofal), ceckey relatives (ceckey), o[tk]e0-4y (qokeey)	ceckey, cseeeor, cseol, ofacfom, oteokeey	0.04318
f108r #6	Virgo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), ce4a (ceal), o[fptk]e4dy (otedy, okedy, okeedy), okol variants (okol), rai4n (raiin)	ceal, ceeos, ceokeedy, okedy, okeedy, okol, raiin	0.06466
f108r #7	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), okal variants (cseokal), otal variants (otal)	ceeol, cseokal, otal	0.04971
f108r #8	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (ceal, cear), cedai4[lrsm | n] (cedar), o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy), o[tk]e0-4y (okeey, qokeey), okal variants (okal), otai0-4n (otaiin), sai4n (sain)	ceal, cear, cedaiir, ceeol, okaiin, okal, okeey, otaiin, oteedy, oteokeey, sain	0.08612
f108r #9	Libra	cedai4[lrsm | n] (ceedal), o[fptk]e4dy (okedy, okeedy, otedy), sai4n (saiin)	csedary, otedy, saiin, ykeedy	0.07090
f108r #10	Leo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [yo]dy endings (cseeody), o[fptk]e4dy (okedy, otedy), okar variants (okar), otal variants (otal)	cseeody, cseokeedy, cseol, okary, okedy, otaly	0.09734
f108r #11	Scorpio	[yo]pa (opalal), cedai4[lrsm | n] (cedar, ceedal), o[fptk]c + e0-4y (opceey), o[fptk]e4dy (okedy, okeedy)	cedar, ceotcey, okedy, okeedy, opar, salceedal	0.07696
f108r #12	Virgo	[dlrsmg]ai4m (ram), o[fptk]e4dy (otedy), o[tk]e0-4y (qokeey, okeey)	ceokeedy, cseeoty, okeey, ram	0.05359
f108r #13	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]e4dy (ceokeedy, okedy, okeedy, otedy), o[tk]e0-4y (qokeey, yty, okeey, okey), okar variants (okar), ola (olal), om (okeeom), otai0-4n (otain), otam variants (otam), otar variants (otarar)	cedaiir, ceedal, ceol, cseeolaiin, cseo, ofacfom, okar, okeedy, okeey, okoceey, otain, otalody, otam, otaraldy, oteedy, oteokeey	0.10781
f108r #14	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), [fptk]e0-4y (keey), a[dlrsmg]am (okaram), cedai4[lrsm | n] (cedar), o[fptk | dlrsmg][ao]m (okam), o[fptk]e4dy (okedy, otedy, oteedy, yteedy), o[tk]e0-4y (qokeey, okeey)	cedaiir, cseeeor, keey, okalam, okeey, orom, oteedy, oteokeey	0.08431
f108v #1	Leo	[yo][fptk]e4o (oteo), ce4a (cseal), o[fptk]e4dy (qoteedy, otedy), o[fptk]edar (otedar), o[tk]e0-4y (oteey), okam variants (okam)	cseokeedy, dceal, okam, otedar, oteey, ykeeo	0.05401
f108v #2	Taurus	[ao][lr][ao][lr] Pipe/Flow (aral), cedai4[lrsm | n] (ceedal), ko (kol), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey, otey, oty, qokeey), okal variants (okal), okar variants (okar, okair), sai4n (sain)	ceedal, kol, okal, okar, okeedy, okeey, oqokar, oteedy, oteokeey, oteorar, otey, oty, sain	0.07929
f108v #3	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [tk]e4o (teeody), ceckey relatives (ceckey), o[tk]e0-4y (okeey, qokeey), olai0-4n (olaiin)	ceckey, ceeol, cseeolaiin, okeey, oteokeey, teeody	0.08622
f108v #4	Leo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), o[fptk]e4dy (okedy), o[tk]e0-4y (okeey, okey, oty, qokeey), otal variants (otal)	cseoleey, okedy, okeey, okey, okyeecsey, otaly, oty	0.05154
f108v #5	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseol), [yo]dy endings (ceeody), a[dlrsmg]am (okalam), c | c[fptk] + e4o (ceo, cseeeo, cseeo), ce4a (cear, ceeal), ceckey relatives (ceckey), cedai4[lrsm | n] (ceedar), eky (ceeeky), o[fptk]ai4n (okaiin), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otcseedy), o[fptk]e4dy (otedy), o[tk]e0-4y (okeey), okal variants (okal), okar variants (okar), otai0-4n (otaiin), otar variants (otar)	cealaiin, cear, ceckey, cedaiir, ceeol, cseeeo, cseeky, cseeo, cseol, okaiin, okal, okalam, okar, okeey, otaiin, otalody, otar, otceody, oteedy	0.07664
f108v #6	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), otai0-4n (otain)	ceeol, ceol, otain	0.04761

f108v #7	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), cedai4[lrsm | n] (ceedar), o[fptk]e4dy (otedy, oteedy, qoteedy), o[tk]e0-4y (oteey), sai4n (sain)	cedaiir, ceeol, oteedy, oteey, sain	0.06061
f108v #8	Taurus	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, ceor, cseeol, cseeor), [fptk]ai4[dlrsmg | n] (kar, tar), [yo][fptk]e4od (okeody), ce4a (cseeal, cseear, ceal, ceeal), cedai4[lrsm | n] (ceedaiin, ceedar), o[fptk]e4dy (okeedy, otedy, oteedy, qoteedy), o[tk]e0-4y (ykeey, oteey, qokeey, okey, okeey, ceoteey), oce4y (oceey), oe0-4s (ys), otai0-4n (otaiin), otal variants (otal), otam variants (otam), sai4n (saiin, sain)	ceal, cealaiin, cedaiir, ceeol, ceol, cseeeor, kal, oceey, okeedy, okeey, opalar, otaiin, otal, otam, oteedy, oteeodaiin, oteey, oteokeey, sain, ys	0.11642
f111r #1	Taurus	ce4a (ceal, csear, cseear), ceckey relatives (ceckey), cedai4[lrsm | n] (cedar), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, qokeey, okeey), otai0-4n (otain), sai4n (saiin)	ceal, ceckey, cedaiir, cekeeal, csear, okeey, otain, oteedy, oteey, oteokeey, sain	0.08689
f111r #2	Taurus	[ao][lr][ao][lr] Pipe/Flow (alal), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol, cseeor), [fptk]ai4[dlrsmg | n] (kal, tar), [fptk]e0-4y (teey, tey), [yo][fptk]e4o (oteo, okeeo), [yo][fptk]e4od (oteodaiin, oteody, qokeody), c | c[fptk] + e4o (ceeo, ceo), ce4a (cseear, ceeal, cear), ceckey relatives (ceckey), cedai4[lrsm | n] (ceedain, ceedar), eka (cseekal), eky (ceeky), o[fptk]c + e0-4 + y | dy | o[dlrs]y (otcseedy), o[fptk]e4dy (otedy, oteedy, qoteedy, okeedy, okeeedy), o[tk]e0-4y (otey, oty, oteeey, oteey, ykeey, qokeey, okeey, okey), o[tk]e4s (otes), oa (oaiin), oce4y (oceey, qoceey), oe0-4s (ceeos), okar variants (okar), ol[tk] (olkal), olai0-4n (olain), ora (oraiin), otam variants (otam), otar variants (otar), sai4n (saiin, sain)	cear, ceckey, cedaiir, ceeekaiin, ceeky, ceeol, ceeolky, cekeeal, ceol, cetos, cseeeo, cseeeor, cseeolaiin, kal, oaiin, oceey, okar, okeedy, okees, okeey, okoceey, opalar, otam, otar, otceody, oteedy, oteeo, oteeodaiin, oteey, oteo, oteokeey, oteorar, otey, oty, sain, teeey, teey	0.07506
f111r #3	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo][fptk]e4o (okeeo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), ceckey relatives (ceckey), cedai4[lrsm | n] (ceedain), o[fptk]c + e0-4y (qopceey), o[fptk]e4dy (otedy, oteedy, okedy, okeedy), o[tk]e0-4y (qokeey, okeey), otar variants (otaral), sai4n (saiin)	ceckey, cedaiir, ceol, cseeeo, keey, okeedy, okeey, otalody, otaraldy, otcey, oteedy, oteeo, oteokeey, sain	0.06502
f111r #4	Taurus	[fptk]e0-4y (keey), [yo][fptk]e4o (okeeo), c | c[fptk] + e4o (cseeo), ce4a (ceeal, cseal), o[fptk]e4dy (qoteedy), o[tk]e0-4y (okeey, oty, qokeey)	cealaiin, cekeeal, cseeo, keey, okeey, oteedy, oteeo, oteokeey, oty	0.06191
f111r #5	Taurus	[fptk]ai4[dlrsmg | n] (kal), ce4a (ceeal), ceckey relatives (ceckey), o[tk]e0-4y (okeey, qokeey)	cealaiin, ceckey, kal, okeey, oteokeey	0.08072
f111r #6	Aries	[fptk]ai4[dlrsmg | n] (kar), ce4a (cear, cseeal), ceckey relatives (ceckey), cectey relatives (cectey), o[fptk]c + e0-4y (okcey), o[tk]e0-4y (qokeey), okal variants (okal), otai0-4n (otain), rai4n (raiin), sai4n (sain)	cear, cectey, cseckeey, cseeal, lcseeotey, okalody, okcey, otaiin, raiin, saiin, tar	0.08408
f111v #1	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeeor, cseeol, ceeol, ceol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4o (oteeo, okeeo), c | c[fptk] + e4o (ceeo), ce4a (cseal, cseear, ceal, ceeal), ceckey relatives (ceckey, cseckeey), cedai4[lrsm | n] (ceedain, ceedar), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (otedy, oteedy, okedy), o[tk]e0-4y (okeeey, qokeey, okeey), oa (oaiin), okar variants (okar), okc + e4or (okceor), otai0-4n (otain), otal variants (otal), otar variants (otar), sai4n (saiin)	ceal, cealaiin, ceckey, cedaiir, ceeol, cekeeal, ceol, cseeeo, cseeeor, cseo, kal, oaiin, okaiin, okar, okceor, okeey, otain, otal, otar, otcey, oteedy, oteeo, oteokeey, sain	0.09477
f111v #2	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin), c | c[fptk] + e4o (cseeo), ce4a (csear, cear, ceeal), o[fptk]ai4n (okaiin), okal variants (okal), otai0-4n (otain), sai4n (saiin)	cear, ceeol, cekeeal, csear, cseeo, kaiin, okaiin, okal, otain, sain	0.04856
f111v #3	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor), [fptk]ai4[dlrsmg | n] (kal), o[fptk]c + e0-4y (qopceey), ol[tk] (olkar), otai0-4n (otain)	ceeolky, ceeor, kal, otain, otcey	0.04811
f111v #4	Taurus	o[fptk]c + e0-4y (otceey), o[tk]e0-4y (qokeey), otai0-4n (otain)	otain, otcey, oteokeey	0.05151
f111v #5	Cancer	ce4a (ceal, ceeal)	ceeal, ceoctear	0.04425
f111v #6	Aries	[fptk]ai4[dlrsmg | n] (tar), ce4a (cear, ceeal)	cear, ceekeal, tar	0.05700
f111v #7	Gemini	[tk]e4o (teody), o[fptk]ai4n (okaiin), okar variants (okar), otar variants (otar)	keodal, okaiin, okar, otar	0.05030
f111v #8	Taurus	ce4a (csear), ceckey relatives (ceckey), o[fptk]ai4n (ceokain, okaiin), o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (oteey, qokeey), oa (oaiin), olai0-4n (olaiin), otai0-4n (otain), otam variants (ceotam)	ceckey, ceotam, csear, cseeolaiin, oaiin, okaiin, okeedy, otain, otainy, oteedy, oteey, oteokeey	0.06940
f111v #9	Aries	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), ce4a (cseeal), ceckey relatives (ceckey), o[fptk]e4dy (okeeedy), o[tk]e0-4y (okeeey, qokeey), olai0-4n (olain), opce0-4y (opceey), sai4n (sain)	aly, cseckeey, cseeal, lcseeotey, okeeedy, opceey, otolaiin, saiin	0.06839
f111v #10	Taurus	ce4a (ceal, ceeal), ceckey relatives (ceckey), o[tk]e0-4y (okeey, ceoty), okal variants (okalaiin), otai0-4n (otain), sai4n (sain)	ceal, cealaiin, ceckey, okalam, okeey, otain, oteokeey, sain	0.08375
f112r #1	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (keey), [yo]dy endings (ody, okody, otody), cedai4[lrsm | n] (ceedal, ceedar), o[fptk]ai4n (ceokain), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, oty, qokeey, okeeey, okeey), oa (oar), okar variants (ykair), olai0-4n (olain), otai0-4n (otaiin, otain), otal variants (otal), otar variants (otar, otair), sai4n (saiin)	cedaiir, ceedal, ceol, cseeolaiin, keey, oaiin, okeey, oqokar, otaiin, otain, otainy, otal, otalody, otar, otaraldy, oteedy, oteey, oteokeey, oty, sain	0.13485
f112r #2	Aries	cectey relatives (cectey), o[fptk]e4dy (oteedy, okeedy), o[tk]e0-4y (okeey, oteey, otey, qokeey, ceoty), otai0-4n (otaiin)	cectey, lcseeotey, okeeedy, otaiin, oteedy, oteey, otey	0.12565
f112r #3	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseol), [fptk]e0-4y (teey), c | c[fptk] + e4o (ceeo), ce4a (ceam), Detached Class Modifiers (csee), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (qokeey), oce4y + infixed versions (octey), okal variants (okal), otai0-4n (otain), sai4n (saiin)	cealaiin, csee, cseeeo, cseol, okal, okoceey, otain, oteedy, oteokeey, sain, teey	0.07286
f112r #4	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (ody), eky (cseeky), o[fptk]e4dy (okeedy, qoteedy), o[tk]e0-4y (okeeey, qokeey), otal variants (otaly), rai4n (raiin), sai4n (saiin)	araydy, lcseeotey, lkceol, okeeedy, otaleky, otaly, raiin, saiin	0.07040
f112r #5	Sagittarius	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), o[fptk]e4dy (okeedy, otedy), o[tk]e0-4y (oty, okey)	okeedy, okey, otedy, oty, tceol	0.05136
f112r #6	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4od (okeody), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), o[fptk]e4dy (oteedy), o[tk]e0-4y (oteey, qokeey, ceeokey)	ceckey, ceol, kal, okaiin, oteedy, oteeodaiin, oteey, oteokeey	0.06218
f112r #7	Taurus	cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okaiin), o[tk]e0-4y (oteey), otai0-4n (otain)	ceedal, okaiin, otain, oteey	0.06419
f112r #8	Taurus	a[dlrsmg]am (aram), o[fptk]e4dy (okeedy, otedy), o[tk]e0-4y (okeey), olai0-4n (olaiin), sai4n (sain)	cseeolaiin, okalam, okeedy, okeey, oteedy, sain	0.09140
f112r #9	Virgo	[yo][fptk]e4od + y (okeody), o[fptk]ai4n (okaiin), o[fptk]e4dy (oteedy, okedy, okeedy), o[tk]e0-4y (okeey), okal variants (okal)	ceokeedy, okaiiiny, okal, okedy, okeedy, okeey, okeody	0.12514
f112r #10	Taurus	[ao][lr][ao][lr] Pipe/Flow (aral), [yo]dy endings (cseeody), o[fptk]ai4n (okaiiin), o[fptk]c + e0-4y (okcey), o[fptk]e4dy (otedy), o[fptk]e4os (okeeos), o[fptk]o (oto), o[lr]y (ory), okal variants (okal), okar variants (okar), opal variants (opal), sai4n (sain)	aroly, okal, okar, okeeos, opalar, otainy, otalody, otcey, oteedy, oto, sain	0.09964
f112r #11	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeor), [fptk]e0-4y (teey), [yo][fptk]e4od + y (oteody), o[fptk]e4dy (okeedy, okeeedy), o[tk]e0-4y (okeeey, okeey, qokeey), okar variants (okar, okary)	cseeor, doteey, okar, okarar, okeeey, okeey, oteedy, oteody, teey	0.06440
f112v #1	Taurus	o[fptk]ai4n (okaiin), o[fptk]e4dy (okedy, okeeedy), o[tk]e0-4y (okeey, okey, oteey, oty, qokeey), oa (oaiin, oar), opal variants (opal), ora (oraiin), otal variants (otal), sai4n (saiin, sain)	oaiin, okaiin, okeey, opalar, otal, oteedy, oteey, oteokeey, oteorar, oty, sain	0.09085
f112v #2	Taurus	o[fptk]ai4n (okaiin), o[fptk]e4dy (qoteedy), o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar), otai0-4n (otaiin), otal variants (otal)	okaiin, okal, okar, okolar, otaiin, otal, oteedy	0.08779
f112v #3	Taurus	cedai4[lrsm | n] (ceedaiin, ceedal), o[tk]e0-4y (oteeey, oteey, qoty), otam variants (otam), sai4n (sain)	cedaiir, ceedal, otam, oteey, oteokeey, sain	0.07002
f112v #4	Aries	o[fptk]e4dy (okeedy, qoteedy), o[tk]e0-4y (qokeey, okeey), olai0-4n (olaiin), otal variants (otal), sai4n (saiin)	lcseeotey, okeeedy, olaiin, otal, saiin	0.05718
f112v #5	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), o[tk]e0-4y (qokeey), sai4n (saiin)	ceeol, ceol, oteokeey, sain	0.05477
f112v #6	Scorpio	cedai4[lrsm | n] (ceedain)	ceedain	0.02054
f112v #7	Aries	e-initial (eeedy), o[tk]e0-4y (qokeey), otai0-4n (otaiin)	eeedy, lcseeotey, otaiin	0.04550
f112v #8	Scorpio	[ao][lr][ao][lr] Pipe/Flow (alor), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (cseeody), o[fptk]e4dy (okeedy), o[fptk]edal (okedal), o[tk]e0-4y (ykeey)	alor, ceetceody, ceor, ceoteey, okedal, okeedy	0.06450
f112v #9	Aries	[ao][lr][ao][lr] Pipe/Flow (arar), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4od + y (oteody), o[fptk]e4dy (okedy)	arar, okeeedy, oteody, tar	0.08189
f112v #10	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeeor, ceol), cedai4[lrsm | n] (ceedaiin), o[fptk]e4dy (okeedy, okeeedy), o[fptk]edar (otedar), okar variants (okar), otai0-4n (otaiin)	ceedaiin, ceeeor, okar, otaiin, otedar, oteedy	0.08121
f112v #11	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), c | c[fptk] + e4o (ceeo), cedai4[lrsm | n] (ceedar), eky (ceeky), o[tk]e0-4y (okeey), oi (oiin), otai0-4n (otaiin), sai4n (sain)	cedaiir, ceeky, ceol, cseeeo, okeey, okoiin, otaiin, sain	0.09482
f112v #12	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), ce4a (ceal), ceckey relatives (ceckey), o[fptk]ai4n (okaiin), o[fptk]e4dy (oteedy), olo (ceeolor), otam variants (otam)	ceal, ceckey, ceeol, ceeolor, ceol, okaiin, otam, oteedy	0.12571
f112v #13	Taurus	[ao][lr][ao][lr] Pipe/Flow (alor), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kar), eky (ceeky), o[fptk]ai4n (ceokain, okaiin), o[fptk]c + e0-4y (otceey), o[fptk]e4dy (ykeedy), o[tk]e0-4y (ykeey, oty), oa (oar), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), opal variants (opal), otar variants (otar)	ary, ceeky, ceol, kal, oaiin, okaiin, okal, okolar, opalar, otainy, otar, otcey, oteedy, oteokeey, oty, parar	0.07165
f113r #1	Aries	[ao][lr][ao][lr] Pipe/Flow (alar), [yo][fptk]e4od + y (oteeody), c | cs + e0-4[dlrsmg] (ces), c[fptk]c polygraph (ceckcey), o[fptk]e4dy (okeedy), o[fptk]e4os (oteeosy), o[tk]e0-4y (oteey, oty), oa (oal)	ces, lcseeotey, oal, ockcey, okeeedy, okeolol, oteeody, oteey, oteosaiin	0.06840
f113r #2	Taurus	[yo][fptk]e4o (okeeo), c | c[fptk] + e4o (ceeo), ce4a (cear), ceckey relatives (ceckey), eka (ceekal), o[fptk]e4os (oteeos), o[tk]e0-4y (okeey), okol variants (okol), osa (osaiin), otai0-4n (otain), otal variants (otal), otar variants (otar)	cear, ceckey, ceeekaiin, cseeeo, okeey, okeosar, okol, otain, otal, otar, oteeo, oteeos	0.07632
f113r #3	Gemini	c | c[fptk] + e4o (ceeo, ceo), ke4o (keor), o[fptk]ai4n (okaiin), o[tk]e0-4y (oteey, qokeey), otai0-4n (ceotaiin), otal variants (otal)	ceeo, ceotaiin, keodal, okaiin, okyd, otal, oteey	0.08447
f113r #4	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseol), [fptk]ai4[dlrsmg | n] (kal), [yo][fptk]e4od (qokeody), [yo]dy endings (cseeody), c | c[fptk] + e4o (cseeo), o[tk]e0-4y (qoty), otam variants (otam), yodai0-4n (ceodaiin)	cseeeor, cseeo, cseol, kal, otalody, otam, oteeodaiin, oteokeey	0.07088
f113r #5	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]dy endings (ceeody), sai4n (saiin)	ceeody, lkceol, saiin	0.02996
f113r #6	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseol), ce4a (ceal, cear, csear), cedai4[lrsm | n] (ceedaiin), o[fptk]ai4n (ceokain), o[fptk]e4dy (okeedy), o[tk]e0-4y (qokeey), otar variants (ceotar)	ceal, cear, cedaiir, ceeol, csear, cseol, okeedy, otainy, otaraldy, oteokeey	0.06579
f113r #7	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceor, cseol), [yo][fptk]e4od + y (okeody), oi (oiin)	ceeeor, ceeol, cseol, oiin, okeody	0.06274
f113r #8	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseeor, ceol), [fptk]ai4[dlrsmg | n] (kaiin), o[fptk]ai4n (ceokain), o[fptk]c + e0-4y (ceopceey)	ceol, cseeeor, kaiin, otainy, otcey	0.04732
f113r #9	Taurus	[yo][fptk]e4o (oteeo), ce4a (ceal, cear), o[fptk]e4dy (okeedy)	ceal, cear, okeedy, oteeo	0.06503
f113r #10	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (tceol, ceol, cseeol, cseor), ce4a (ceal), o[fptk]ai4n (okaiin), o[fptk]e4dy (oteedy), oe0-4s (os), otai0-4n (otain)	ceal, ceol, cetos, cseeeor, okaiin, otain, oteedy	0.08703

f113r #11	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [fptk]ai4[dlrsmg | n] (tar), ce4a (cseal), o[fptk]ai4n (okaiin), oce4y + infixed versions (ceockey), otai0-4n (otain), otal variants (otal), otar variants (otar)	cekeeal, cseeeor, kal, okaiin, okoceey, otain, otal, otar	0.07617
f113r #12	Taurus	[yo]dy endings (cseeody), c | c[fptk] + e4o (cseeeo), o[fptk]e4dy (qoteedy), okar variants (okar), otar variants (otar)	cseeeo, okar, otalody, otar, oteedy	0.05458
f113r #13	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeor), otal variants (otal)	lkceol, otal	0.03039
f113r #14	Cancer	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [yo][fptk]e4od + y (okeeody), o[fptk]ai4n (okaiin)	aly, okeeody, opoiiin	0.02568
f113r #15	Libra	[ao][lr][ao][lr] Pipe/Flow (aral), eky (ceeeky), sai4n (saiin)	ceeeky, okalair, saiin	0.03296
f113r #16	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), c | c[fptk] + e4o (ceeo, cseeo), cedai4[lrsm | n] (ceedal), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (opceey), o[fptk]e4dy (oteedy), o[tk]e0-4y (qokeey, okeeey, okeey), oa (oaiin), okal variants (okalal), ol[tk] (olkal), otai0-4n (otain), sai4n (sain)	ceedal, ceeolky, cseeeo, cseeeor, cseeo, kaiin, kal, oaiin, okaiin, okalal, okeey, otain, otcey, oteedy, oteokeey, sain	0.08921
f113v #1	Gemini	o[fptk]c + e0-4y (okcey, otceey), o[tk]e0-4y (oky), okal variants (okal), ol[yoa] (olol), otai0-4n (otaiin), otar variants (otaiir, otair, ceotar)	okal, okeolar, okyd, otaiin, otair, otarar, otceey	0.06447
f113v #2	Cancer	[yo][fptk]e4od + y (oteody), o[fptk]e4dy (otedy, oteedy), o[fptk]edar (otedar), o[tk]e0-4y (qokeey), o[tk]e4s (otees), oc[fptk]e4y (ceockey), otai0-4n (otaiin)	cseoctey, doteey, otaiin, otedar, oteedy, otees, oteody	0.09913
f113v #3	Taurus	[tk]e4o (teody), o[fptk]ai4n (ceokaiin, okaiin), o[fptk]e4dy (oteedy), otar variants (otar), otor variants (otor), yodai0-4l (odal)	****eodal, ceokaiin, okaiin, otar, oteedy, otor, teeody	0.07861
f113v #4	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeor), [yo][fptk]e4o (oteeo), ai0-4[dlrsmg][dlrsmg] (arl), o[fptk]c + e0-4y (opceey), o[fptk]e4dy (otedy), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar), otar variants (otar), otor variants (otor)	cseeeor, okar, okolar, otar, otaraldy, otcey, oteedy, oteeo, otor	0.06659
f113v #5	Virgo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseeor), a[lr]an (saraiin), o[fptk]ai4n (okaiin), o[tk]e0-4y (okeey), okal variants (okal), okol variants (okol), ol[tk] (olkar), orai0-4n (oraiin), rai4n (raiin)	ceeos, okaiiiny, okal, okeey, okol, olkar, oraiin, raiin, saraiin	0.06387
f113v #6	Libra	c[fptk]c polygraph (ceckcey), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (otcseedy), okal variants (okal), okar variants (okar), olai0-4n (olaiin)	ocfcsey, okal, okar, opaiin, otcseedy, ytolaiin	0.05271
f113v #7	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (kaiin, kar), [yo]dy endings (ceeody), eky (ceeeky), o[fptk]ai4n (okaiin), oe0-4s (ceeos), okar variants (okar), ola (olal), otal variants (otal), otar variants (otar)	aly, ceeol, cetos, cseeky, cseeolaiin, kaiin, kal, okaiin, okar, otal, otalody, otar	0.16738
f113v #8	Gemini	o[fptk]ai4n (opaiin), o[fptk]c + e0-4y (qopceey, otceey), o[tk]e0-4y (otey), otai0-4n (otaiin), otar variants (otar), otol variants (otol)	ceotaiin, otaiin, otar, otceey, otey, otolam	0.08140
f113v #9	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, cseeol), [fptk]e0-4y (keey), ce4a (cear, otceam), o[fptk]ai4n (okaiiin, okaiin), o[tk]e0-4y (oky, oteey, qokeey), okal variants (okal), okar variants (okar), otai0-4n (otaiin, otain)	cealaiin, cear, ceeol, cseeeor, keey, okaiin, okal, okar, otaiin, otain, otainy, oteey, oteokeey	0.09942
f113v #10	Taurus	[yo][fptk]e4o (oteo), eky (ceeky), okal variants (okal), opal variants (opalor), otai0-4n (otain)	ceeky, okal, opalor, otain, oteo	0.07869
f113v #11	Libra	o[fptk]c + e0-4y (otceey), o[fptk]e4dy (okeeedy), o[tk]e0-4y (oteeey), okar variants (okar), olai0-4n (olaiin), yodai0-4n (ydaiin)	oeeoty, okar, opcseeytey, ydaiin, ykeedy, ytolaiin	0.07676
f113v #12	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody), c-sequence + e4 + [fptk] + e4 + y (ceekey), o[fptk]e4dy (okeedy), o[tk]e0-4y (okeey, oteeey, oteey), ora (oraiin), otai0-4n (otaiin, otain), otar variants (otar), otor variants (otor)	ceeol, ceeor, cseetey, okeedy, okeey, otaiin, otain, otalody, otar, oteey, oteokeey, oteorar, otor	0.11349
f113v #13	Cancer	[fptk]e0-4y (keey), ce4a (ceeal), o[tk]e0-4y (oteeey), oe0-4s (os), okar variants (okar), orai0-4n (oraiin), otai0-4n (otaiin, otain)	ceeal, doteey, okar, oraiin, os, otaiin, teey	0.09098
f113v #14	Taurus	a[dlrsmg]am (aram), aro[dlrsmg] (arol), ce4a (cseear), o[tk]e0-4y (oty)	arol, cealaiin, okalam, oty	0.06970
f113v #15	Aries	o[fptk]e4dy (oteedy), o[tk]e0-4y (qokeey), okal variants (okal), olai0-4n (olaiin), otai0-4n (otaiin)	lcseeotey, okalody, olaiin, otaiin, oteedy	0.04341
f114r #1	Virgo	[yo]dy endings (okody), o[fptk]e4dy (okedy), opai0-4n (opaiin), rai4n (raiin)	okedy, opaiin, raiin, yteody	0.04983
f114r #2	Taurus	[fptk]ai4[dlrsmg | n] (kaiin), c | c[fptk] + e4o (ceo), o + c | cs + e4ol (oceol), o[fptk]e4dy (okeeedy, ykeedy)	cseeeo, kaiin, oceol, oteedy	0.03104
f114r #3	Pisces	oa (oar), opc + e4ol (opceeol), otai0-4n (otaiin)	opceeol, otaiin, oteoal	0.02952
f114r #4	Sagittarius	o[fptk]ai4n (okaiin), o[fptk]e4dy (otedy)	otedy, ypaiiin	0.01844
f114r #5	Gemini	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), c | c[fptk] + e4o (ceeo), oe sans oy + oe4y, oe0-4s (oeedy), okar variants (okar), otal variants (otal), otar variants (otar, otair), otol variants (otol)	ary, ceeo, okar, otair, otal, otar, otolam, qoeeeol	0.04528
f114r #6	Pisces	[yo][fp][yoa] (opair), cedai4[lrsm | n] (ceedaiin), do (dol), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty), otar variants (otar), yodai0-4n (ceodaiin)	ceedaiin, dolar, opys, otar, oteedy, oty, teodaiin	0.08128
f114r #7	Gemini	c | c[fptk] + e4o (ceeo), oe0-4s (oees)	ceeo, otoees	0.02604
f114r #8	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [yo]dy endings (ceeody), o[fptk]ai4n (okaiin), okar variants (okar), okol variants (okol), otar variants (otair), yodai0-4n (ceodaiin)	cseeeor, okaiin, okar, okol, otalody, otaraldy, oteeodaiin	0.03691
f114r #9	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, cseol), o[fptk]ai4n (okaiin), o[fptk]e4dy (okeedy, otedy), o[tk]e0-4y (okeey, qoty), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okair), otar variants (ceotar), sai4n (sain)	ceol, cseol, okaiin, okeedy, okeey, okolar, oqokar, otaraldy, oteedy, oteokeey, sain	0.06319
f114r #10	Taurus	c | c[fptk] + e4o (ceeo), cedai4[lrsm | n] (ceedal), otai0-4n (otaiin), sai4n (saiin)	ceedal, cseeeo, otaiin, sain	0.04489
f114r #11	Aries	[fptk]ai4[dlrsmg | n] (kaiin, kar), c | c[fptk] + e4o (cseeo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (otcseedy), oa (oar), otal variants (otal), rai4n (raiin), sai4n (sain)	cseeo, oar, otaiin, otal, otcsecsedy, raiin, saiin, tar	0.05350
f114r #12	Pisces	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [yo]dy endings (cseeody), o[fptk]e4dy (yteedy), o[tk]e0-4y (qoty), o[tk]e4s (otees), okar variants (okar), yodai0-4n (todaiin)	alody, cseeeor, okar, oteedy, otees, oteotey, todaiin	0.05606
f114r #13	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo][fp]ai0-4[rn] (opaiin), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo, ceeo), cedai4[lrsm | n] (cedar, ceedal), o[fptk]e4dy (okeedy), otai0-4n (otaiin, otain), otal variants (ceotal), yodai0-4n (ydaiin)	cedaiir, ceedal, ceol, cseeeo, ofaralar, okeedy, otaiin, otain, otalef, otalody, oteeodaiin	0.07104
f114v #1	Scorpio	cedai4[lrsm | n] (ceedain, ceedal), o[fptk]ai4n (otain), o[fptk]e4dy (okeedy), o[tk]e0-4y (oky, ceoty), o-axis of [yo][fptk][ao][lr] (otol), otar variants (otar)	ceedain, ceoteey, okeedy, oky, opaiin, otar, salceedal, ypol	0.05767
f114v #2	Taurus	c | c[fptk] + e4o (ceeo), cedai4[lrsm | n] (ceedar), otai0-4n (otaiin), sai4n (saiin)	cedaiir, cseeeo, otaiin, sain	0.04335
f114v #3	Scorpio	cedai4[lrsm | n] (ceedaiin, ceedain), o[fptk]e4dy (qoteedy)	ceedain, oyteedy, salceedal	0.03929
f114v #4	Taurus	cedai4[lrsm | n] (ceedal), o-axis of [yo][fptk][ao][lr] (otol), otam variants (otam)	ceedal, okolar, otam	0.03434
f114v #5	Gemini	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), c | c[fptk] + e4o (ceeo), oa (oaiir), okal variants (okal)	ceeo, ceeol, ceol, okal, otoar	0.03911
f114v #6	Pisces	[yo]dy endings (cseeody), c | c[fptk] + e4o (ceeo), o[fptk]ody (otody)	alody, ceo, otody	0.04395
f114v #7	Gemini	[ao][lr][ao][lr] Pipe/Flow (aral), [yo]ce4y + infixed versions (ceockey), o[fptk]c + e4ody (qotceody)	cseeyctey, okeolar, qotceody	0.02277
f114v #8	Virgo	o[fptk]ai4n (okaiin), o[fptk]e4dy (okeedy, yteedy), otai0-4n (otaiin)	okaiiiny, okeedy, otaiin, yteedy	0.04910
f114v #9	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), o[fptk]ai4n (ceokaiin), o[tk]e0-4y (okeey)	ary, ceokaiin, okeey	0.03860
f114v #10	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk]e0-4y (teey), [yo][fptk]e4o (oteeo), c | c[fptk] + e4o (ceeo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (qopceey), o[fptk]c + e4ody (otceeody), okol variants (okol), olai0-4n (olaiin), otai0-4n (otaiin), otal variants (otal)	cseeeo, cseeolaiin, cseo, okaiin, okol, otaiin, otal, otceody, otcey, oteeo, teey	0.11301
f114v #11	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor, cseeol), [fptk]ai4[dlrsmg | n] (kaiin, kair), ceckey relatives (ceckey), oa (oaiin), oce4y + infixed versions (octey), yodai0-4n (ceodaiin)	ceckey, ceeor, cseeeor, kaiin, kal, oaiin, okoceey, oteeodaiin	0.09133
f114v #12	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]ai4[dlrsmg | n] (tar), [yo][fptk]e4o (oteo, oteeo), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (otceey), o[tk]e0-4y (oteeey, oteey, okeey, ceoty), okal variants (okal), otai0-4n (otaiin, otain), otal variants (otal), otam variants (otam)	ceeol, cseeeo, kal, okaiin, okal, okeey, otaiin, otain, otal, otalody, otam, otcey, oteeo, oteey, oteo, oteokeey	0.11742
f115r #1	Sagittarius	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), [yo]dy endings (ceeody), o[fptk]e4dy (otedy, oteedy), od endings (od)	ceeody, otedy, otesalod, tceol, yteedy	0.04016
f115r #2	Scorpio	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor), cedai4[lrsm | n] (ceedar), o[fptk]ai4n (otain), o[fptk]e4dy (qoteedy), otar variants (otar)	ceedar, ceor, opaiin, otar, oyteedy	0.05696
f115r #3	Cancer	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceeor), [yo]dy endings (ceeody)	ceeol, ceeor, fydy	0.05793
f115r #4	Pisces	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), c | c[fptk] + e4o (ceeo, ceo), cedai4[lrsm | n] (ceedaiin)	ceedaiin, ceo, ceol	0.04055
f115r #5	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), sai4n (saiin)	ceeol, ceol, sain	0.01835
f115r #6	Taurus	[ao][lr][ao][lr] Pipe/Flow (alor), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, ceor), [yo]dy endings (ceeody), ke4o (keor), oa (oaiin), oce4y + infixed versions (ceockey)	ceol, cseeeor, keor, oaiin, okoceey, otalody, oteorar	0.05226
f115r #7	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeeor), [fptk]e0-4y (keey), o[tk]e0-4y (ykey)	ary, cseeeor, keey, oteokeey	0.02445
f115r #8	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol, cseeol), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceeo), o[fptk]c + e0-4y (otceey), sai4n (saiin)	ceeody, cseeo, lkceol, opceey, saiin	0.04463
f115r #9	Aries	c | c[fptk] + e4o (cseeo), eky (ceeky), o[fptk]ai4n (okaiin), o[fptk]c + e0-4y (okcey), o[tk]e0-4y (okeey, qokeey), oe0-4s (ceeos), rai4n (raiin)	ceeky, cseeo, lcseeotey, okcey, otaiin, oteosaiin, raiin	0.04321
f115r #10	Aries	[ao][lr][ao][lr] Pipe/Flow (aral), c | cs + e0-4[dlrsmg] (ces)	ces, okeolol	0.02469
f115r #11	Virgo	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), [fptk]e0-4y (keey), [yo]dy endings (ceeody), o[tk]e0-4y (qoty), oe0-4s (ceeos), rai4n (raiin)	ceeol, ceeos, cseeoty, raiin, teey, yteody	0.06880
f115r #12	Taurus	[yo]dy endings (ody), okc + e4or (okceor)	okceor, otalody	0.03088
f115r #13	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeor, cseeol), o[tk]e0-4y (oky), otar variants (otar, ceotar), rai4n (raiin)	lkceol, oky, otear, raiin	0.04550
f115v #1	Libra	a[dlrsmg]c (dalcedy), cedai4[lrsm | n] (cedar), eky (ceeky), o[fptk]e4dy (ceokeedy, yteedy), o[tk]e0-4y (qoty), otar variants (otar), yodai0-4n (ceodaiin)	alcsedy, ceeeky, csedary, opcseeytey, otar, ydaiin, ykeedy	0.03192
f115v #2	Cancer	[yo][fptk]e4od + y (oteody), o[tk]e0-4y (qokeey), okor variants (okor)	doteey, okor, oteody	0.04103
f115v #3	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o (cseo), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseeol), [yo][fptk]e4o (oteeo), [yo]dy endings (cseeody), o[fptk]ai4n (okaiin), okar variants (okar), sai4n (saiin)	cseeeor, cseo, okaiin, okar, otalody, oteeo, sain	0.06630

f115v #4	Sagittarius	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (cseor), yodai0-4n (ceodaiin)	ceodaiin, tceol	0.03472
f115v #5	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]ai4[dlrsmg | n] (kar), [fptk]e0-4y (keey), [yo]dy endings (ody), c | c[fptk] + e4o (cseeo), ko (kol), o[tk]e0-4y (oteey), oce4y + infixed versions (ceockey), sai4n (saiin)	ceol, cseeo, kal, keey, kol, okoceey, otalody, oteey, sain	0.04643
f115v #6	Virgo	c | c[fptk] + e4o (ceeo), otal variants (otal), rai4n (raiin)	ceeo, ceotal, raiin	0.03065
f115v #7	Libra	o[fptk]e4dy (otedy)	otedy	0.01332
f115v #8	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [yo]ce4y (yceey), [yo]dy endings (ceeody), c | c[fptk] + e4o (ceo, ceeo), cectey relatives (cectey), o[tk]e4s (ykees), ol[tk] (olkeeody), olai0-4n (olain), sai4n (saiin)	cectey, ceeody, cseeo, lkceol, olkeeody, oteocey, otolaiin, saiin, ykees	0.05356
f115v #9	Sagittarius	o[fptk]e4dy (qoteedy)	qoteedy	0.01780
f115v #10	Scorpio	cedai4[lrsm | n] (ceedar), okar variants (okar)	ceedar, okary	0.02054
f115v #11	Aries	c | c[fptk] + e4o (ceeo), eky (ceeky), o[tk]e0-4y (oky), oe0-4s (cseos)	ceeky, cseeo, oky, oteosaiin	0.03751
f115v #12	Aries	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceor, cseor), [fptk]ai4[dlrsmg | n] (kaiin), [yo]ke4o (ceeokeeo), o[fptk]e4dy (ykeedy), oe0-4s (ceeos)	ceeokeeo, lkceol, okeeedy, oteosaiin, tar	0.03069
f115v #13	Taurus	[fptk]ai4[dlrsmg | n] (kaiin), c | c[fptk] + e4o (cseeo), o[tk]e0-4y (oky, oty), oa (yair), oe0-4s (ceeos)	cetos, cseeo, kaiin, oaiin, oteokeey, oty	0.03849
f116r #1	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (saly), ce4a (cear, csesear), o[tk]e0-4y (okeey, oky), otal variants (otal)	ary, cealaiin, cear, okeey, otal, oteokeey	0.06225
f116r #2	Taurus	[ao][lr][ao][lr] Pipe/Flow (aral), [fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), ceckey relatives (ceckey), o[fptk | dlrsmg][ao]m (okam), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oteey, otey, oty), otal variants (otal), otor variants (otor), sai4n (sain)	ary, ceckey, orom, otal, oteedy, oteey, oteorar, otey, otor, oty, sain	0.12415
f116r #3	Sagittarius	[yo]dy endings (teody), o[fptk]e4dy (yteedy, otedy), o[fptk]edar (oteedar), o[tk]e0-4y (otey, qokeey, okeey)	ceeytey, otedy, otey, qokeey, ykeeody, ytedar, yteedy	0.10382
f116r #4	Taurus	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceol), [fptk]e0-4y (tey), o[fptk]e4dy (okedy, qoteedy), o[tk]e0-4y (okeey, okey), otai0-4n (otain), otal variants (otal), sai4n (sain)	ceol, okeey, otain, otal, oteedy, oteokeey, sain, teeey	0.04741
f116r #5	Taurus	o[fptk]e4dy (okeedy, oteedy), o[tk]e0-4y (qokeey, okeey), otal variants (otal), otar variants (otar, otarar)	okeedy, okeey, otal, otar, otaraldy, oteedy, oteokeey	0.09919
f116r #6	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (aly, ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol, ceol), [fptk]e0-4y (keey), ce4a (cseeal, ceal), ceckey relatives (ceckey), eky (cseeky), o[fptk]e4dy (okeedy, otedy, oteedy, qoteedy), o[lr]y (ory), o[tk]e0-4y (oteey, otey, oty, qokeey, qoty, okey), oi (oiin), okal variants (okal, okaly), okar variants (okar), otai0-4n (otain), otal variants (otal), otar variants (otar)	aly, aroly, ary, ceal, cealaiin, ceckey, ceeol, ceol, cseeky, keey, okal, okalam, okar, okeedy, okoiin, otain, otal, otar, oteedy, oteey, oteokeey, otey, oty	0.08150
f116r #7	Virgo	[fptk]e0-4y (teey), ce4a (ceam, ckeal, csear, cseear), o[fptk | dlrsmg][ao]m (okam), o[tk]e0-4y (okeey, qokeey, ykeey), oe0-4s (os), rai4n (raiin)	ceal, ceeosy, cseeoty, okeeom, okeey, raiin, teey	0.03860
f116r #8	Taurus	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary, kaly), a[dlrsmg]am (aram), ce4a (ceal), ceckey relatives (ceckey), o[tk]e0-4y (okeey, okey, oky, oteey), okal variants (okal), okar variants (okar), otai0-4n (otain)	ary, ceal, ceckey, okal, okalam, okar, okeey, otain, oteey, oteokeey	0.07053

Table 31.19: Highest Ranked Balneological Figure Set Correlations for All 293 Section 5 Text Sequences

#	Folio	Balneological Figure Set	Section 5 Words	Figure Words	Integrated Score
1	f108r #10	f84r	o[fptk]e4dy (okedy, otedy), okal variants (qokal)	okaly, okedy, otedy	0.08581
2	f108r #10	f84v	ceckey relatives (ceckey), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (qokey), okal variants (qokal), okar variants (okar)	ceckey, okaly, okar, okeeey, otdy	0.07507
3	f108r #10	f82v	o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (qokey), okal variants (qokal), okar variants (okar)	okair, okal, okeoky, otedy, oteedy	0.07445
4	f112r #9	f82v	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (qokey), okal variants (okal)	okal, okeoky, oteedy	0.07140
5	f112r #9	f84r	o[fptk]e4dy (okedy, okeedy, oteedy), okal variants (okal)	okaly, okedy	0.06245
6	f104r #11	f82r	okal variants (okal), okar variants (okar)	okal, okar	0.06243
7	f108r #10	f75v	o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (qokey), okal variants (qokal)	oty, qokal, ykedy	0.05739
8	f108r #10	f77r	o[fptk]e4dy (okedy, otedy)	dotedy, otedy	0.05717
9	f108r #14	f82v	o[fptk]e4dy (okedy, otedy, oteedy), o[tk]e0-4y (qokey)	okeoky, otedy, oteedy	0.05583
10	f104r #11	f84v	okal variants (okal), okar variants (okar)	okaly, okar	0.05467
11	f104r #11	f80r	okal variants (okal), okar variants (okar)	okaly, okar	0.05467
12	f112r #9	f84v	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (qokey), okal variants (okal)	okaly, okeeey, otdy	0.05356
13	f112r #9	f75v	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (qokey), okal variants (okal)	dokal, oty, ykedy	0.05351
14	f113v #7	f83v	o[fptk]ai4n (okaiin)	okaiin	0.05128
15	f108r #9	f84r	o[fptk]e4dy (okedy, okeedy, otedy)	okedy, otedy	0.04998
16	f108v #2	f82v	o[fptk]e4dy (oteedy, okedy, okeedy), o[fptk]edal (otedal), o[fptk]edar (okedar), o[tk]e0-4y (oty), okal variants (qokal, okal), okar variants (okar, okair)	okair, okal, okedar, otedal, oteedy, oty	0.04991
17	f107v #5	f83v	o[fptk]ai4n (okaiin, otaiin), o[lr]a (soral)	okaiin, ololary	0.04834
18	f108r #14	f84r	o[fptk]e4dy (okedy, otedy, oteedy)	okedy, otedy	0.04798
19	f112r #10	f82r	o[fptk]e4os (okeeos), okal variants (okal, qokal), okar variants (okar), ory (ory)	darory, okal, okaldy, okar, okeeos	0.04707
20	f103r #5	f84v	ceckey relatives (ceckey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, qokey), okal variants (qokal)	ceckey, okaly, okeeey, otdy	0.04614
21	f103r #5	f75v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, qokey), okal variants (qokal)	oty, qokal, ykedy	0.04569
22	f103r #5	f82v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, qokey), okal variants (qokal)	okal, okeoky, oteedy, oty	0.04554
23	f112r #9	f75r	o[fptk]e4dy (okedy, okeedy, oteedy)	okeedy	0.04445
24	f112v #2	f83v	o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e0-4dy (qokcedy), okor variants (okor)	okaiin, okcedy, okor	0.04354
25	f108r #1	f84r	o[fptk]e4dy (okedy, otedy)	okedy, otedy	0.04320
26	f116r #2	f82v	o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	otedy, oteedy, oty	0.04248
27	f108r #9	f77r	o[fptk]e4dy (okedy, okeedy, otedy)	dotedy, otedy	0.04004
28	f108r #9	f75r	o[fptk]e4dy (okedy, okeedy, otedy)	okeedy	0.04000
29	f108r #10	f75r	o[fptk]e4dy (okedy, otedy)	okeedy	0.04000
30	f108r #9	f82v	o[fptk]e4dy (okedy, okeedy, otedy)	otedy, oteedy	0.03998
31	f108r #14	f84v	o[fptk]e4dy (okedy, otedy, oteedy), o[tk]e0-4y (qokey)	okeeey, otdy	0.03992
32	f108r #14	f75v	o[fptk]e4dy (okedy, otedy, oteedy), o[tk]e0-4y (qokey)	oty, ykedy	0.03987
33	f112r #1	f82v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), ol[tk] (olkeedy)	okeoky, olkeedy, oteedy, oty	0.03948
34	f107v #5	f82v	o[fptk]e4dy (otedy), okal variants (okal)	okal, otedy	0.03943
35	f107v #4	f80r	o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), ol[tk] (olkal), otal variants (otal)	okaly, okolo, olky, otal	0.03910
36	f104r #11	f82v	okal variants (okal), okar variants (okar)	okair, okal	0.03907
37	f107v #4	f75v	o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcedy), okal variants (qokal, okal), ol[tk] (olkal), otol variants (otol)	dokal, okcsey, olkcey, otoly, qokal	0.03892
38	f103r #10	f75v	o[fptk]e4dy (otedy), o[tk]e0-4y (qokey), okal variants (qokal)	oty, qokal, ykedy	0.03887
39	f103r #10	f83v	o[fptk]ai4n (okaiin)	okaiin	0.03815
40	f112v #2	f80r	okal variants (okal), okar variants (okar), okor variants (okor), otal variants (otal)	okaly, okar, okory, otal	0.03798
41	f116r #2	f84v	ceckey relatives (ceckey), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	ceckey, okcedy, okeeey, otdy	0.03774
42	f103v #6	f84v	ceckey relatives (ceckey), o[fptk]e4dy (oteedy), okal variants (qokal), oro (orol)	ceckey, okaly, orog, otdy	0.03770
43	f112r #5	f82v	o[fptk]e4dy (okeedy, otedy, ykedy), o[tk]e0-4y (oty)	otedy, oteedy, oty	0.03748
44	f116r #2	f75v	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	dary, okcsey, oty, ykedy	0.03740
45	f108r #6	f84r	o[fptk]e4dy (okedy, okeedy, otedy), okol variants (okol)	okedy, okol, otedy	0.03684
46	f103r #7	f75v	a[lr][fptk] (dalkar), o[fptk]e4dy (okedy), okal variants (qokal, okaly)	dalkar, dokal, qokal, ykedy	0.03646
47	f103r #7	f84v	ceckey relatives (ceckey), o[fptk]e4dy (okedy), okal variants (qokal, okaly)	ceckey, okaly, otdy	0.03637

48	f104r #10	f75v	okal variants (qokal)	qokal	0.03633
49	f106v #15	f82v	o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty, okeeey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal)	okal, okeoky, okoldy, otedy, oteedy, oty	0.03619
50	f108r #14	f77r	o[fptk]e4dy (okedy, otedy, oteedy)	dotedy, otedy	0.03604
51	f112r #9	f77r	o[fptk]e4dy (okedy, okeedy, oteedy)	dotedy	0.03567
52	f107r #15	f80r	okar variants (okair), otal variants (otal)	okair, otal	0.03557
53	f112r #10	f75v	o[fptk]e4dy (otedy), okal variants (qokal, okal), ory (ory)	dokal, ory, qokal, ykedy	0.03514
54	f112r #10	f84v	o[fptk]e4dy (otedy), okal variants (qokal, okal), okar variants (okar), or[yoa] (ory)	okaly, okar, orog, otdy	0.03504
55	f112r #10	f82v	o[fptk]e4dy (otedy), okal variants (qokal, okal), okar variants (okar)	okair, okal, otedy	0.03481
56	f107v #5	f82r	dairol/soral relatives (soral), okal variants (okal)	dolol, okal	0.03478
57	f107v #5	f84v	ceckey relatives (ceckey), dairol/soral relatives (soral), o[fptk]e4dy (otedy), okal variants (okal)	ceckey, okaly, otdy, ydaiirol	0.03478
58	f113v #14	f83r	o[fptk]c + e0-4dy (qokcedy), o[tk]e0-4y (oty)	qokcedy, qokey	0.03469
59	f104r #3	f82r	okar variants (okar), ol[tk] (olkeedy), oly (otoly)	okar, olkoky, sokoly	0.03461
60	f106r #11	f84v	ceckey relatives (ceckey), okal variants (okaly)	ceckey, okaly	0.03460
61	f104r #3	f80r	o[lr]y (otoly), okar variants (okar), ol[tk] (olkeedy)	okar, okory, olky	0.03459
62	f108r #1	f77r	o[fptk]e4dy (okedy, otedy)	dotedy, otedy	0.03458
63	f114r #6	f75v	[yo][fptk]e4d (qoted), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	oty, qoted, ykedy	0.03458
64	f108r #1	f82v	o[fptk]e4dy (okedy, otedy)	otedy, oteedy	0.03456
65	f106v #6	f81v	otai0-4n (otaiin)	otaiin	0.03456
66	f104r #3	f82v	o-axis of [yo][fptk][ao][lr] (otoly), okar variants (okar), ol[tk] (olkeedy)	okair, okoldy, olkeedy	0.03449
67	f112v #5	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ol[tk] (olkeedy)	ceeol, solkeey	0.03432
68	f113v #2	f82v	o[fptk]e4dy (otedy, oteedy)	otedy, oteedy	0.03427
69	f103r #8	f75v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), okal variants (qokal)	oty, qokal, ykedy	0.03427
70	f103r #8	f82v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), okal variants (qokal)	okal, okeoky, oteedy, oty	0.03415
71	f108r #11	f75v	o[fptk]e4dy (okedy, okeedy), okal variants (qokal)	qokal, ykedy	0.03409
72	f114r #6	f82v	o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	otedy, oteedy, oty	0.03408
73	f113v #14	f75v	o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[tk]e0-4y (oty)	okcsey, oty	0.03395
74	f114r #9	f82v	o[fptk]e4dy (okeedy, otedy, ykedy), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okair), ol[tk] (olkeedy)	okair, okoldy, olkeedy, otedy, oteedy	0.03394
75	f108r #11	f84r	o[fptk]e4dy (okedy, okeedy), okal variants (qokal)	okaly, okedy	0.03390
76	f107v #1	f80r	otal variants (otal)	otal	0.03376
77	f108v #8	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (ceeal), o[tk]e0-4y (qokey)	ceeal, ceeol, qokey	0.03290
78	f112r #5	f75v	o[fptk]e4dy (okeedy, otedy, ykedy), o[tk]e0-4y (oty)	oty, ykedy	0.03284
79	f107r #5	f81v	ol[tk] (olkeedy), otai0-4n (otaiin)	olkal, otaiin	0.03282
80	f106v #10	f81v	ol[tk] (olkeedy), otai0-4n (otaiin)	olkal, otaiin	0.03282
81	f104r #4	f80r	o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), okar variants (okar), otal variants (otal)	okaly, okar, okolo, otal	0.03282
82	f108r #6	f75v	a[lr][fptk] (dalkar), o[fptk]e4dy (okedy, okeedy, otedy), o-axis of [yo][fptk][ao][lr] (okol)	dalkar, otoly, ykedy	0.03249
83	f108v #2	f84v	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (oty), okal variants (qokal, okal), okar variants (okar, okair)	okaly, okar, okeeey, otdy	0.03233
84	f108r #6	f82v	o[fptk]e4dy (okedy, okeedy, otedy), okol variants (okol)	okol, otedy, oteedy	0.03228
85	f103r #10	f82v	o[fptk]e4dy (otedy), o[tk]e0-4y (qokey), okal variants (qokal)	okal, okeoky, otedy	0.03219
86	f107v #12	f83v	o[fptk]ai4n (okaiin)	okaiin	0.03179
87	f113v #7	f80r	okar variants (okar), otal variants (otal)	okar, otal	0.03178
88	f104v #2	f84v	[yo]c + e4dy (oceedy), so (sol)	oceedy, sol	0.03151
89	f112v #2	f82r	o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar)	okal, okar, sokoly	0.03148
90	f111v #9	f84v	ceckey relatives (ceckey), o[tk]e0-4y (okeeey), so (sol)	ceckey, okeeey, sol	0.03142
91	f112v #2	f81v	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.03138
92	f108v #6	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[tk]e0-4y (qokey)	ceeol, qokey	0.03138
93	f104r #11	f77v	okal variants (okal), okar variants (okar)	okair, okalo	0.03132
94	f116r #5	f82v	o[fptk]e4dy (okeedy, oteedy), o[fptk]edal (otedal)	otedal, oteedy	0.03128
95	f103v #6	f75v	o[fptk]e4dy (oteedy), okal variants (qokal), or[yoa] (orol)	ory, qokal, ykedy	0.03124
96	f103v #6	f82v	o[fptk]e4dy (oteedy), okal variants (qokal)	okal, oteedy	0.03091
97	f103r #14	f82v	o[fptk]e4dy (otedy, oteedy), okal variants (qokal)	okal, otedy, oteedy	0.03089
98	f105r #8	f82v	o[fptk]e4dy (oteedy), okar variants (okair), ol[tk] (olkeedy)	okair, olkeedy, oteedy	0.03052
99	f107v #2	f82v	ece polygraph (otecedy), okal variants (qokal), ol[tk] (olkeedy)	okal, olkeedy, otecedy	0.03048
100	f103r #7	f80r	okal variants (okaly, qokal), otal variants (otal)	okaly, otal	0.03044
101	f108v #7	f82v	o[fptk]e4dy (otedy, oteedy), old (oldy)	okoldy, otedy, oteedy	0.03042
102	f104r #11	f83v	o[fptk]ai4n (okaiin)	okaiin	0.03028
103	f103r #7	f84r	o[fptk]e4dy (okedy), okal variants (qokal, okaly)	okaly, okedy	0.03010
104	f108r #9	f84v	o[fptk]e4dy (okedy, okeedy, otedy)	otdy	0.03009
105	f108r #9	f75v	o[fptk]e4dy (okeedy, okeedy, otedy)	ykedy	0.03006
106	f104v #11	f82v	o[fptk]e4dy (okeedy, oteedy)	oteedy	0.03001
107	f104v #11	f75r	o[fptk]e4dy (okeedy, oteedy)	okeedy	0.03000
108	f108v #2	f75v	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (oty), okal variants (qokal, okal)	dokal, oty, qokal, ykedy	0.02968
109	f107v #5	f84r	o[fptk]e4dy (otedy), o[lr]a (soral), okal variants (okal)	okaly, ololal, otedy	0.02960
110	f108r #2	f84v	o[fptk]e4dy (okedy, otedy), okar variants (okar)	okar, otdy	0.02959
111	f108v #2	f75r	o[fptk]e4dy (okedy, okeedy, oteedy)	okeedy	0.02954
112	f111v #5	f83r	ce4a (ceeal)	ceeal	0.02949
113	f108r #2	f82v	o[fptk]e4dy (okedy, otedy), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	okair, okoldy, otedy, oteedy	0.02945
114	f112r #10	f80r	okal variants (okal, qokal), okar variants (okar), ory (ory)	okaly, okar, okory	0.02936
115	f108r #10	f80r	okal variants (qokal), okar variants (okar), otal variants (otal)	okaly, okar, otal	0.02932
116	f107v #5	f81v	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02925
117	f112r #10	f84r	o[fptk]e4dy (otedy), o[lr]y (ory), okal variants (okal, qokal)	loly, okaly, otedy	0.02903
118	f104r #4	f82r	o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), okar variants (okar)	okal, okar, sokoly	0.02866
119	f108r #7	f80r	otal variants (otal)	otal	0.02862
120	f103r #8	f84v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), okal variants (qokal)	okaly, okeeey, otdy	0.02850
121	f116r #8	f84v	ceckey relatives (ceckey), o[tk]e0-4y (qokey), okal variants (okal), okar variants (okar, okaral)	ceckey, okaly, okar, okeeey	0.02827

122	f112r #5	f77r	o[fptk]e4dy (okeedy, otedy, ykedy)	dotedy, otedy	0.02824
123	f112r #5	f84r	o[fptk]e4dy (okeedy, otedy, ykedy)	okedy, otedy	0.02820
124	f112v #13	f75v	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), ai0-4[dlrsmg][dlrsmg] (daldy), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[tk]e0-4y (qokey, oty), okal variants (okal), otol variants (otol)	daldy, dary, dokal, okcsey, otoly, oty	0.02806
125	f113r #11	f83v	o[fptk]ai4n (okaiin)	okaiin	0.02805
126	f108r #14	f75r	o[fptk]e4dy (okedy, otedy, oteedy)	okeedy	0.02800
127	f113r #7	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]c + e0-4dy (otcedy)	ceeol, otcedy	0.02787
128	f116r #3	f77r	o[fptk]e4dy (otedy)	otedy	0.02779
129	f116r #3	f82v	o[fptk]e4dy (otedy)	otedy	0.02779
130	f116r #3	f84r	o[fptk]e4dy (otedy)	otedy	0.02779
131	f108r #6	f77r	o[fptk]e4dy (okedy, okeedy, otedy), o-axis of [yo][fptk][ao][lr] (okol)	dotedy, otedy, otolaiino	0.02755
132	f106v #10	f82v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty), ol[tk] (olkeedy)	olkeedy, oteedy, oty	0.02750
133	f108r #6	f75r	o[fptk]e4dy (okedy, okeedy, otedy)	okeedy	0.02743
134	f107v #4	f77v	okal variants (okal, qokal), ol[tk] (olkal), otol variants (otol)	okalo, olkeedal, otol	0.02742
135	f106v #5	f83r	o[fptk]c + e0-4dy (qokcedy)	qokcedy	0.02734
136	f107v #4	f82r	o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), ol[tk] (olkal)	okal, okaldy, olkoky, sokoly	0.02732
137	f107r #10	f82r	okal variants (okal), okar variants (okar, okaral)	okairajy, okal, okar	0.02731
138	f107v #4	f82v	o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), ol[tk] (olkal)	okal, okoldy, olkol	0.02727
139	f106v #8	f75v	dl Consonant clusters (odl), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[fptk]c + e0-4y (okcsey), o[fptk]e4dy (okeedy), okal variants (okal)	dly, dokal, okcsey, ykedy	0.02719
140	f112v #12	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol)	ceeol	0.02719
141	f106v #15	f75v	o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty, okeeey), okal variants (okal), otol variants (otol)	dokal, otoly, oty, ykedy	0.02713
142	f113v #9	f83v	o[fptk]ai4n (okaiin, otaiin)	okaiin	0.02705
143	f112r #9	f82r	o[tk]e0-4y (qokey), okal variants (okal)	okal, olkoky	0.02695
144	f105v #10	f81v	o[fptk]ai4n (okaiin), ol[tk] (olkal), otai0-4n (otaiin)	olkal, otaiin	0.02674
145	f108r #12	f82v	o[fptk]e4dy (otedy), o[tk]e0-4y (qokey)	okeoky, otedy	0.02653
146	f105v #1	f82v	o[fptk]e4dy (oteedy), okar variants (okair), old (okoldy)	okair, okoldy, oteedy	0.02650
147	f108r #4	f83v	o[fptk]ai4n (okaiin)	okaiin	0.02649
148	f107r #8	f82r	okal variants (okal, qokal)	okal, okaldy	0.02642
149	f107r #8	f82v	okal variants (okal, qokal)	okal	0.02640
150	f114r #9	f77r	o[fptk]e4dy (okeedy, ykedy, otedy), ol[tk] (olkeedy), otol variants (otol)	dotedy, olkoes, otedy, otol	0.02639

Table 31.20: Top 20 Section 5 Paragraphs for Each Balneological Figure Set

#	Folio	Section 5 Words	Figure Words	Score
		f66r		
1	f103r #10	ety (cety)	cety	0.01330
2	f114r #8	ety (cety)	cety	0.00756
3	f115v #8	o[tk]e4s (ykees)	ykees	0.00723
		f75r		
1	f112r #9	o[fptk]e4dy (okedy, okeedy, oteedy)	okeedy	0.04445
2	f108r #10	o[fptk]e4dy (okedy, otedy)	okeedy	0.04000
3	f108r #9	o[fptk]e4dy (okedy, okeedy, otedy)	okeedy	0.04000
4	f104v #11	o[fptk]e4dy (okeedy, oteedy)	okeedy	0.03000
5	f108v #2	o[fptk]e4dy (okedy, okeedy, oteedy)	okeedy	0.02954
6	f108r #14	o[fptk]e4dy (okedy, otedy, oteedy)	okeedy	0.02800
7	f108r #6	o[fptk]e4dy (okedy, okeedy, otedy)	okeedy	0.02743
8	f108r #11	o[fptk]e4dy (okedy, okeedy)	okeedy	0.02526
9	f112r #5	o[fptk]e4dy (okeedy, otedy, ykedy)	okeedy	0.02353
10	f108r #13	[yo]ce4y (yceey), o[fptk]e4dy (okedy, okeedy, otedy, oteedy)	okeedy, yceey	0.02221
11	f108r #1	o[fptk]e4dy (okedy, otedy)	okeedy	0.02162
12	f116r #2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), o[fptk]e4dy (otedy, oteedy)	dainy, okeedy	0.02152
13	f112r #8	o[fptk]e4dy (okeedy, otedy)	okeedy	0.02088
14	f103r #12	o[fptk]e4dy (okeedy)	okeedy	0.02000
15	f115r #11	[yo]ce4y (yceey), so (sol)	sols, yceey	0.01913
16	f103v #6	[ao][lr][ao][lr] Pipe/Flow (orol), o[fptk]e4dy (oteedy)	okeedy, saiino	0.01858
17	f116r #5	o[fptk]e4dy (okeedy, oteedy)	okeedy	0.01846
18	f103v #9	o[fptk]e4dy (okeedy, otedy)	okeedy	0.01778
19	f112r #2	o[fptk]e4dy (okeedy, oteedy)	okeedy	0.01714
20	f113v #2	o[fptk]e4dy (otedy, oteedy)	okeedy	0.01714
		f75v		
1	f108r #10	o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (qokey), okal variants (qokal)	oty, qokal, ykedy	0.05739
2	f112r #9	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (qokey), okal variants (okal)	dokal, oty, ykedy	0.05351
3	f103r #5	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, qokey), okal variants (qokal)	oty, qokal, ykedy	0.04569
4	f108r #14	o[fptk]e4dy (okedy, otedy, oteedy), o[tk]e0-4y (qokey)	oty, ykedy	0.03987
5	f107v #4	o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcedy), okal variants (qokal, okal), ol[tk] (olkal), otol variants (otol)	dokal, okcsey, olkcey, otoly, qokal	0.03892
6	f103r #10	o[fptk]e4dy (otedy), o[tk]e0-4y (qokey), okal variants (qokal)	oty, qokal, ykedy	0.03887
7	f116r #2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	dary, okcsey, oty, ykedy	0.03740
8	f103r #7	a[lr][fptk] (dalkar), o[fptk]e4dy (okedy), okal variants (qokal, okaly)	dalkar, dokal, qokal, ykedy	0.03646
9	f104r #10	okal variants (qokal)	qokal	0.03633
10	f112r #10	o[fptk]e4dy (otedy), okal variants (qokal, okal), ory (ory)	dokal, ory, qokal, ykedy	0.03514
11	f114r #6	[yo][fptk]e4d (qoted), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	oty, qoted, ykedy	0.03458
12	f103r #8	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), okal variants (qokal)	oty, qokal, ykedy	0.03427
13	f108r #11	o[fptk]e4dy (okedy, okeedy), okal variants (qokal)	qokal, ykedy	0.03409
14	f113v #14	o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[tk]e0-4y (oty)	okcsey, oty	0.03395
15	f112r #5	o[fptk]e4dy (okeedy, otedy, ykedy), o[tk]e0-4y (oty)	oty, ykedy	0.03284

16	f108r #6	a[lr][fptk] (dalkar), o[fptk]e4dy (okedy, okeedy, otedy), o-axis of [yo][fptk][ao][lr] (okol)	dalkar, otoly, ykedy	0.03249
17	f103v #6	o[fptk]e4dy (oteedy), okal variants (qokal), or[yoa] (orol)	ory, qokal, ykedy	0.03124
18	f108r #9	o[fptk]e4dy (okedy, okeedy, otedy)	ykedy	0.03006
19	f108v #2	o[fptk]e4dy (okedy, okeedy, otedy), o[tk]e0-4y (oty), okal variants (qokal, okal)	dokal, oty, qokal, ykedy	0.02968
20	f112v #13	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), ai0-4[dlrsmg][dlrsmg] (daldy), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[tk]e0-4y (qokey, oty), okal variants (okal), otol variants (otol)	daldy, dary, dokal, okcsey, otoly, oty	0.02806
		f77r		
1	f108r #10	o[fptk]e4dy (okedy, otedy)	dotedy, otedy	0.05717
2	f108r #9	o[fptk]e4dy (okedy, okeedy, otedy)	dotedy, otedy	0.04004
3	f108r #14	o[fptk]e4dy (okedy, otedy, oteedy)	dotedy, otedy	0.03604
4	f112r #9	o[fptk]e4dy (okedy, okeedy, oteedy)	dotedy	0.03567
5	f108r #1	o[fptk]e4dy (okedy, otedy)	dotedy, otedy	0.03458
6	f112r #5	o[fptk]e4dy (okeedy, otedy, ykedy)	dotedy, otedy	0.02824
7	f116r #3	o[fptk]e4dy (otedy)	otedy	0.02779
8	f108r #6	o[fptk]e4dy (okedy, okeedy, otedy), o-axis of [yo][fptk][ao][lr] (okol)	dotedy, otedy, otolaiino	0.02755
9	f114r #9	o[fptk]e4dy (okeedy, ykedy, otedy), ol[tk] (olkeedy), otol variants (otol)	dotedy, olkoes, otedy, otol	0.02639
10	f108r #2	o[fptk]e4dy (okedy, otedy), otol variants (otol)	dotedy, otedy, otol	0.02455
11	f112r #10	o[fptk]e4dy (otedy), oe0-4s (okeeos), or[yoa] (ory)	olkoes, otedy, soral	0.02314
12	f113v #2	o[fptk]e4dy (otedy, oteedy)	dotedy, otedy	0.02287
13	f116r #2	o[fptk]e4dy (otedy, oteedy)	dotedy, otedy	0.02135
14	f112r #8	o[fptk]e4dy (okeedy, otedy)	dotedy, otedy	0.02088
15	f113v #4	o[fptk]e4dy (otedy), otol variants (otol)	otedy, otol	0.02032
16	f104v #11	o[fptk]e4dy (okeedy, oteedy)	dotedy	0.02006
17	f107v #5	dairol/soral relatives (soral), o[fptk]e4dy (otedy)	otedy, soral	0.01973
18	f106r #7	o[fptk]e4dy (okeedy), ol[tk] (olkeedy), otol variants (otol)	dotedy, olkoes, otol	0.01871
19	f103v #6	o[fptk]e4dy (oteedy), or[yoa] (orol)	dotedy, soral	0.01868
20	f103r #14	o[fptk]e4dy (otedy, oteedy)	dotedy, otedy	0.01846
		f77v		
1	f104r #11	okal variants (okal), okar variants (okar)	okair, okalo	0.03132
2	f107v #4	okal variants (okal, qokal), ol[tk] (olkal), otol variants (otol)	okalo, olkeedal, otol	0.02742
3	f104r #3	okar variants (okar), ol[tk] (olkeedy), otol variants (otoly)	okair, olkeedal, otolor	0.02600
4	f112r #10	okal variants (okal, qokal), okar variants (okar), or[yoa] (ory)	okair, okalo, oroeedal	0.02349
5	f107r #7	okal variants (qokal), okar variants (okair)	okair, okalo	0.02242
6	f104r #4	okal variants (okal), okar variants (okar), otol variants (otol)	okair, okalo, otol	0.02059
7	f108r #2	okar variants (okar), otol variants (otol)	okair, otol	0.01998
8	f107v #5	dairol/soral relatives (soral), okal variants (okal)	okalo, sororal	0.01997
9	f114r #9	okar variants (okair), ol[tk] (olkeedy), otol variants (otol)	okair, olkeedal, otol	0.01915
10	f107r #9	okal variants (ykal), oro (orol)	oroeedal, ykal	0.01902
11	f112v #2	o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar)	okair, okalo, otolor	0.01892
12	f104r #10	okal variants (qokal)	okalo	0.01826
13	f107r #15	okar variants (okair)	okair	0.01778
14	f108v #2	o[fptk]eda[lrsm | n] (okedar), o[fptk]edal (otedal), okal variants (qokal, okal), okar variants (okar, okair)	okair, okalo, olkeedal	0.01776
15	f107v #11	okar variants (okar), ol[tk] (olkeedy)	okair, olkeedal	0.01728
16	f107r #8	okal variants (okal, qokal)	okalo	0.01590
17	f107r #10	okal variants (okal), okar variants (okar, okaral)	okair, okalo	0.01567
18	f113v #4	okar variants (okar), otol variants (otol)	okair, otol	0.01547
19	f105r #8	okar variants (okair), ol[tk] (olkeedy)	okair, olkeedal	0.01541
20	f105r #10	okal variants (qokal), oro (orol)	okalo, oroeedal	0.01502
		f78r		
1	f104r #11	okar variants (okar)	okaral	0.02351
2	f107v #7	otas variants (otas)	otas	0.02221
3	f116r #8	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), okar variants (okar, okaral)	ary, okaral	0.01793
4	f104r #3	o[lr]y (otoly), okar variants (okar)	okaral, orory	0.01736
5	f106v #8	cedai4[lrsm | n] (cedal), od[fptk | dlrsmg] (odl)	dceedaly, odl	0.01382
6	f103r #6	okar variants (okaral)	okaral	0.01371
7	f115v #10	cedai4[lrsm | n] (cedal), okar variants (okar)	dceedaly, okaral	0.01371
8	f114v #9	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary)	ary	0.01325
9	f106v #1	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (daly), cedai4[lrsm | n] (cedal), okar variants (okar)	ary, dceedaly, okaral	0.01236
10	f105v #6	od[fptk | dlrsmg] (odl)	odl	0.01233
11	f112r #10	okar variants (okar), ory (ory)	okaral, orory	0.01182
12	f107r #10	okar variants (okar, okaral)	okaral	0.01176
13	f116r #2	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary)	ary	0.01104
14	f113v #7	okar variants (okar)	okaral	0.01062
15	f104v #10	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary)	ary	0.01003
16	f108r #2	okar variants (okar)	okaral	0.00997
17	f114r #5	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), okar variants (okar)	ary, okaral	0.00972
18	f113v #11	okar variants (okar)	okaral	0.00968
19	f108r #13	[yo]ce4y + infixed versions (yceey), okar variants (okar)	ocfey, okaral	0.00968
20	f112v #13	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), cedai4[lrsm | n] (cedal)	ary, dceedaly	0.00953
		f80r		
1	f104r #11	okal variants (okal), okar variants (okar)	okaly, okar	0.05467
2	f107v #4	o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), ol[tk] (olkal), otal variants (otal)	okaly, okolo, olky, otal	0.03910
3	f112v #2	okal variants (okal), okar variants (okar), okor variants (okor), otal variants (otal)	okaly, okar, okory, otal	0.03798
4	f107r #15	okar variants (okair), otal variants (otal)	okair, otal	0.03557
5	f104r #3	o[lr]y (otoly), okar variants (okar), ol[tk] (olkeedy)	okar, okory, olky	0.03459

6	f107v #1	otal variants (otal)	otal	0.03376
7	f104r #4	o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), okar variants (okar), otal variants (otal)	okaly, okar, okolo, otal	0.03282
8	f113v #7	okar variants (okar), otal variants (otal)	okar, otal	0.03178
9	f103r #7	okal variants (okaly, qokal), otal variants (otal)	okaly, otal	0.03044
10	f112r #10	okal variants (okal, qokal), okar variants (okar), ory (ory)	okaly, okar, okory	0.02936
11	f108r #10	okal variants (qokal), okar variants (okar), otal variants (otal)	okaly, okar, otal	0.02932
12	f108r #7	otal variants (otal)	otal	0.02862
13	f107r #14	otal variants (otal)	otal	0.02633
14	f107v #11	okar variants (okar), ol[tk] (olkeedy)	okar, olky	0.02589
15	f114v #10	okol variants (okol), otal variants (otal)	okolo, otal	0.02574
16	f103v #6	o[lr]o (orol), okal variants (qokal), otal variants (otal)	okaly, oloedy, otal	0.02534
17	f116r #5	otal variants (otal)	otal	0.02532
18	f108r #2	o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	okar, okolo	0.02482
19	f107r #12	okal variants (okal, qokal), otal variants (otal)	okaly, otal	0.02417
20	f107v #6	okal variants (okal), ol[tk] (olkal), otal variants (otal)	okaly, olky, otal	0.02346
		f81v		
1	f106v #6	otai0-4n (otaiin)	otaiin	0.03456
2	f106v #10	ol[tk] (olkeedy), otai0-4n (otaiin)	olkal, otaiin	0.03282
3	f107r #5	ol[tk] (olkeedy), otai0-4n (otaiin)	olkal, otaiin	0.03282
4	f112v #2	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.03138
5	f107v #5	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02925
6	f105v #10	o[fptk]ai4n (okaiin), ol[tk] (olkal), otai0-4n (otaiin)	olkal, otaiin	0.02674
7	f113v #7	o[fptk]ai4n (okaiin)	otaiin	0.02568
8	f114v #12	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02555
9	f114v #10	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02549
10	f113v #8	otai0-4n (otaiin)	otaiin	0.02526
11	f104r #13	otai0-4n (otaiin)	otaiin	0.02526
12	f113v #13	otai0-4n (otaiin)	otaiin	0.02432
13	f113v #9	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02413
14	f113v #2	otai0-4n (otaiin)	otaiin	0.02345
15	f105v #9	otai0-4n (otaiin)	otaiin	0.02345
16	f112r #2	otai0-4n (otaiin)	otaiin	0.02345
17	f112v #11	otai0-4n (otaiin)	otaiin	0.02265
18	f106r #13	otai0-4n (otaiin)	otaiin	0.02189
19	f114v #8	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02120
20	f107v #10	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02031
		f82r		
1	f104r #11	okal variants (okal), okar variants (okar)	okal, okar	0.06243
2	f112r #10	o[fptk]e4os (okeeos), okal variants (okal, qokal), okar variants (okar), ory (ory)	darory, okal, okaldy, okar, okeeos	0.04707
3	f107v #5	dairol/soral relatives (soral), okal variants (okal)	dolol, okal	0.03478
4	f104r #3	okar variants (okar), ol[tk] (olkeedy), oly (otoly)	okar, olkoky, sokoly	0.03461
5	f112v #2	o-axis of [yo][fptk][ao][lr] (okor), okal variants (okal), okar variants (okar)	okal, okar, sokoly	0.03148
6	f104r #4	o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), okar variants (okar)	okal, okar, sokoly	0.02866
7	f107v #4	o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), ol[tk] (olkal)	okal, okaldy, olkoky, sokoly	0.02732
8	f107r #10	okal variants (okal), okar variants (okar, okaral)	okairajy, okal, okar	0.02731
9	f112r #9	o[tk]e0-4y (qokey), okal variants (okal)	okal, olkoky	0.02695
10	f107r #8	okal variants (okal, qokal)	okal, okaldy	0.02642
11	f107v #11	okar variants (okar), ol[tk] (olkeedy)	okar, olkoky	0.02589
12	f108r #2	o-axis of [yo][fptk][ao][lr] (otol), okar variants (okar)	okar, sokoly	0.02482
13	f116r #8	o[tk]e0-4y (qokey), okal variants (okal), okar variants (okar, okaral)	okairajy, okal, okar, olkoky	0.02469
14	f107r #12	okal variants (okal, qokal)	okal, okaldy	0.02408
15	f113v #6	okal variants (okal), okar variants (okar)	okal, okar	0.02340
16	f108r #10	o[tk]e0-4y (qokey), okal variants (qokal), okar variants (okar)	okaldy, okar, olkoky	0.02322
17	f103r #5	o[tk]e0-4y (oty, qokey), okal variants (qokal)	okaldy, olkoky	0.02286
18	f105r #10	okal variants (qokal), oro (orol)	okaldy, orol	0.02257
19	f113v #7	okar variants (okar)	okar	0.02116
20	f103r #10	o[tk]e0-4y (qokey), okal variants (qokal)	okaldy, olkoky	0.01946
		f82v		
1	f108r #10	o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (qokey), okal variants (qokal), okar variants (okar)	okair, okal, okeoky, otedy, oteedy	0.07445
2	f112r #9	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (qokey), okal variants (okal)	okal, okeoky, oteedy	0.07140
3	f108r #14	o[fptk]e4dy (okedy, otedy, oteedy), o[tk]e0-4y (qokey)	okeoky, otedy, oteedy	0.05583
4	f108v #2	o[fptk]e4dy (oteedy, okedy, okeedy), o[fptk]edal (otedal), o[fptk]edar (okedar), o[tk]e0-4y (oty), okal variants (qokal, okal), okar variants (okar, okair)	okair, okal, okedar, otedal, oteedy, oty	0.04991
5	f103r #5	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, qokey), okal variants (qokal)	okal, okeoky, oteedy, oty	0.04554
6	f116r #2	o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	otedy, oteedy, oty	0.04248
7	f108r #9	o[fptk]e4dy (okedy, okeedy, otedy)	otedy, oteedy	0.03998
8	f112r #1	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), ol[tk] (olkeedy)	okeoky, olkeedy, oteedy, oty	0.03948
9	f107v #5	o[fptk]e4dy (otedy), okal variants (okal)	okal, otedy	0.03943
10	f104r #11	okal variants (okal), okar variants (okar)	okair, okal	0.03907
11	f112r #5	o[fptk]e4dy (okeedy, otedy, ykedy), o[tk]e0-4y (oty)	otedy, oteedy, oty	0.03748
12	f106v #15	o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty, okeeey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal)	okal, okeoky, okoldy, otedy, oteedy, oty	0.03619
13	f112r #10	o[fptk]e4dy (otedy), okal variants (qokal, okal), okar variants (okar)	okair, okal, otedy	0.03481
14	f108r #1	o[fptk]e4dy (okedy, otedy)	otedy, oteedy	0.03456
15	f104r #3	o-axis of [yo][fptk][ao][lr] (otoly), okar variants (okar), ol[tk] (olkeedy)	okair, okoldy, olkeedy	0.03449
16	f113v #2	o[fptk]e4dy (otedy, oteedy)	otedy, oteedy	0.03427

17	f103r #8	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), okal variants (qokal)	okal, okeoky, oteedy, oty	0.03415
18	f114r #6	o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	otedy, oteedy, oty	0.03408
19	f114r #9	o[fptk]e4dy (okeedy, otedy, ykedy), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okair), ol[tk] (olkeedy)	okair, okoldy, olkeedy, otedy, oteedy	0.03394
20	f108r #6	o[fptk]e4dy (okedy, okeedy, otedy), okol variants (okol)	okol, otedy, oteedy	0.03228
		f83r		
1	f113v #14	o[fptk]c + e0-4dy (qokcedy), o[tk]e0-4y (oty)	qokcedy, qokey	0.03469
2	f112v #5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ol[tk] (olkeedy)	ceeol, solkeey	0.03432
3	f108v #8	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (ceeal), o[tk]e0-4y (qokey)	ceeal, ceeol, qokey	0.03290
4	f108v #6	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[tk]e0-4y (qokey)	ceeol, qokey	0.03138
5	f111v #5	ce4a (ceeal)	ceeal	0.02949
6	f113r #7	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]c + e0-4dy (otcedy)	ceeol, otcedy	0.02787
7	f106v #5	o[fptk]c + e0-4dy (qokcedy)	qokcedy	0.02734
8	f112v #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol)	ceeol	0.02719
9	f112r #4	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[tk]e0-4y (okeeey, qokey)	ceeol, qokey	0.02617
10	f107v #15	o[tk]e0-4y (qokey)	qokey	0.02554
11	f111r #5	ce4a (ceeal)	ceeal	0.02495
12	f112v #13	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), cedai4[lrsm | n] (cedal), o[fptk]c + e0-4dy (qokcedy), o[tk]e0-4y (qokey, oty)	cedal, qokcedy, qokey, raly	0.02491
13	f115r #11	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), so (sol)	ceeol, sol	0.02470
14	f103r #11	o[tk]e0-4y (qokey)	qokey	0.02423
15	f108r #14	o[tk]e0-4y (qokey)	qokey	0.02362
16	f106v #8	cedai4[lrsm | n] (cedal), o[fptk]c + e0-4 + y | dy | o[dlrs]y (okcsey), o[fptk]c + e0-4dy (qokcedy)	cedal, otcedy, qokcedy	0.02270
17	f103r #5	o[tk]e0-4y (oty, qokey)	qokey	0.02250
18	f114r #12	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]c + e0-4dy (otcedy)	ceeol, otcedy	0.02210
19	f111v #1	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (ceeal), cedai4[lrsm | n] (cseedal), eka (cekal), o[tk]e0-4y (okeeey, qokey)	ceeal, ceeol, cekal, cseedal, qokey	0.02199
20	f114v #5	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), cedai4[lrsm | n] (cedal), or[yoa] (okory)	cedal, ceeol, cetorol	0.02178
		f83v		
1	f113v #7	o[fptk]ai4n (okaiin)	okaiin	0.05128
2	f107v #5	o[fptk]ai4n (okaiin, otaiin), o[lr]a (soral)	okaiin, ololary	0.04834
3	f112v #2	o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e0-4dy (qokcedy), okor variants (okor)	okaiin, okcedy, okor	0.04354
4	f103r #10	o[fptk]ai4n (okaiin)	okaiin	0.03815
5	f107v #12	o[fptk]ai4n (okaiin)	okaiin	0.03179
6	f104r #11	o[fptk]ai4n (okaiin)	okaiin	0.03028
7	f113r #11	o[fptk]ai4n (okaiin)	okaiin	0.02805
8	f113v #9	o[fptk]ai4n (okaiin, otaiin)	okaiin	0.02705
9	f108r #4	o[fptk]ai4n (okaiin)	okaiin	0.02649
10	f114v #10	o[fptk]ai4n (okaiin, otaiin), o-axis of [yo][fptk][ao][lr] (okol)	okaiin, okor	0.02496
11	f107v #2	o[fptk]ai4n (okaiin)	okaiin	0.02355
12	f114r #3	o[fptk]ai4n (otaiin), o[fptk]c + e0-4dy (okcedy), o[lr]o (orol)	okaiin, okcedy, ololary	0.02332
13	f111v #7	o[fptk]ai4n (okaiin)	okaiin	0.02193
14	f114v #12	o[fptk]ai4n (okaiin, otaiin)	okaiin	0.02182
15	f105v #10	o[fptk]ai4n (okaiin, otaiin), o-axis of [yo][fptk][ao][lr] (okol)	okaiin, okor	0.02092
16	f114v #8	o[fptk]ai4n (okaiin, otaiin)	okaiin	0.02073
17	f113r #13	o[fptk]c + e0-4dy (okcedy)	okcedy	0.02052
18	f103r #6	[ao][lr][ao][lr] Pipe/Flow (okaral), o[fptk]ai4n (okaiin)	okaiin, ololary	0.02004
19	f106r #12	o[fptk]ai4n (okaiin)	okaiin	0.01987
20	f107v #10	o[fptk]ai4n (okaiin, otaiin)	okaiin	0.01987
		f84r		
1	f108r #10	o[fptk]e4dy (okedy, otedy), okal variants (qokal)	okaly, okedy, otedy	0.08581
2	f112r #9	o[fptk]e4dy (okedy, okeedy, oteedy), okal variants (okal)	okaly, okedy	0.06245
3	f108r #9	o[fptk]e4dy (okedy, okeedy, otedy)	okedy, otedy	0.04998
4	f108r #14	o[fptk]e4dy (okedy, otedy, oteedy)	okedy, otedy	0.04798
5	f108r #1	o[fptk]e4dy (okedy, otedy)	okedy, otedy	0.04320
6	f108r #6	o[fptk]e4dy (okedy, okeedy, otedy), okol variants (okol)	okedy, okol, otedy	0.03684
7	f108r #11	o[fptk]e4dy (okedy, okeedy), okal variants (qokal)	okaly, okedy	0.03390
8	f103r #7	o[fptk]e4dy (okedy), okal variants (qokal, okaly)	okaly, okedy	0.03010
9	f107v #5	o[fptk]e4dy (otedy), o[lr]a (soral), okal variants (okal)	okaly, ololal, otedy	0.02960
10	f112r #10	o[fptk]e4dy (otedy), o[lr]y (ory), okal variants (okal, qokal)	loly, okaly, otedy	0.02903
11	f112r #5	o[fptk]e4dy (okeedy, otedy, ykedy)	okedy, otedy	0.02820
12	f116r #3	o[fptk]e4dy (otedy)	otedy	0.02779
13	f103r #10	o[fptk]e4dy (otedy), okal variants (qokal)	okaly, otedy	0.02592
14	f103v #6	o[fptk]e4dy (oteedy), o[lr]o (orol), okal variants (qokal)	okaly, okedy, ololal	0.02498
15	f103r #14	o[fptk]e4dy (otedy, oteedy), okal variants (qokal)	okaly, okedy, otedy	0.02476
16	f108v #2	o[fptk]e4dy (okedy, okeedy, oteedy), okal variants (qokal, okal)	okaly, okedy	0.02474
17	f108r #2	o[fptk]e4dy (okedy, otedy), otol variants (otol)	okedy, otedy, otoly	0.02439
18	f107v #4	eka (cekal), okal variants (okal, qokal), otol variants (otol)	cseekar, okaly, otoly	0.02353
19	f112v #9	o[fptk]e4dy (okedy)	okedy	0.02285
20	f113v #2	o[fptk]e4dy (otedy, oteedy)	okedy, otedy	0.02284
		f84v		
1	f108r #10	ceckey relatives (ceckey), o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (qokey), okal variants (qokal), okar variants (okar)	ceckey, okaly, okar, okeeey, otdy	0.07507
2	f104r #11	okal variants (okal), okar variants (okar)	okaly, okar	0.05467
3	f112r #9	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (qokey), okal variants (okal)	okaly, okeeey, otdy	0.05356
4	f103r #5	ceckey relatives (ceckey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, qokey), okal variants (qokal)	ceckey, okaly, okeeey, otdy	0.04614
5	f108r #14	o[fptk]e4dy (okedy, otedy, oteedy), o[tk]e0-4y (qokey)	okeeey, otdy	0.03992
6	f116r #2	ceckey relatives (ceckey), o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	ceckey, okcedy, okeeey, otdy	0.03774

7	f103v #6	ceckey relatives (ceckey), o[fptk]e4dy (oteedy), okal variants (qokal), oro (orol)	ceckey, okaly, orog, otdy	0.03770
8	f103r #7	ceckey relatives (ceckey), o[fptk]e4dy (okedy), okal variants (qokal, okaly)	ceckey, okaly, otdy	0.03637
9	f112r #10	o[fptk]e4dy (otedy), okal variants (qokal, okal), okar variants (okar), or[yoa] (ory)	okaly, okar, orog, otdy	0.03504
10	f107v #5	ceckey relatives (ceckey), dairol/soral relatives (soral), o[fptk]e4dy (otedy), okal variants (okal)	ceckey, okaly, otdy, ydaiirol	0.03478
11	f106r #11	ceckey relatives (ceckey), okal variants (okaly)	ceckey, okaly	0.03460
12	f108v #2	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (oty), okal variants (qokal, okal), okar variants (okar, okair)	okaly, okar, okeeey, otdy	0.03233
13	f104v #2	[yo]c + e4dy (oceedy), so (sol)	oceedy, sol	0.03151
14	f111v #9	ceckey relatives (ceckey), o[tk]e0-4y (okeeey), so (sol)	ceckey, okeeey, sol	0.03142
15	f108r #9	o[fptk]e4dy (okedy, okeedy, otedy)	otdy	0.03009
16	f108r #2	o[fptk]e4dy (okedy, otedy), okar variants (okar)	okar, otdy	0.02959
17	f103r #8	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), okal variants (qokal)	okaly, okeeey, otdy	0.02850
18	f116r #8	ceckey relatives (ceckey), o[tk]e0-4y (qokey), okal variants (okal), okar variants (okar, okaral)	ceckey, okaly, okar, okeeey	0.02827
19	f103r #10	o[fptk]e4dy (otedy), o[tk]e0-4y (qokey), okal variants (qokal)	okaly, okeeey, otdy	0.02587
20	f104r #3	o[lr][yoa] (otoly), okar variants (okar)	okar, orog	0.02580

Table 31.21: Highest Ranked Balneological Figure Groups for All 293 Section 5 Text Sequences

Folio	Balneological Figure Set	Section 5 Words	Figure Words	Integrated Score
f103r #1	f75v	ai0-4[dlrsmg][dlrsmg] (daldy), o[fptk]e4dy (okedy), o-axis of [yo][fptk][ao][lr] (okol), or[yoa] (orol)	daldy, ory, otoly, ykedy	0.01707
f103r #2	f82v	o[fptk]e4dy (okeedy), o[fptk]edar (okedar), o[tk]e0-4y (qokey)	okedar, okeoky, oteedy	0.01971
f103r #3	f82v	o[fptk]e4dy (otedy, oteedy), okal variants (okal)	okal, otedy, oteedy	0.01758
f103r #5	f84v	ceckey relatives (ceckey), o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, qokey), okal variants (qokal)	ceckey, okaly, okeeey, otdy	0.04614
f103r #6	f75v	[ao][lr][ao][lr] Pipe/Flow (okaral), okal variants (qokal)	darol, qokal	0.02041
f103r #7	f75v	a[lr][fptk] (dalkar), o[fptk]e4dy (okedy), okal variants (qokal, okaly)	dalkar, dokal, qokal, ykedy	0.03646
f103r #8	f75v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), okal variants (qokal)	oty, qokal, ykedy	0.03427
f103r #9	f83v	o[fptk]ai4n (okaiin)	okaiin	0.01382
f103r #10	f75v	o[fptk]e4dy (otedy), o[tk]e0-4y (qokey), okal variants (qokal)	oty, qokal, ykedy	0.03887
f103r #11	f83r	o[tk]e0-4y (qokey)	qokey	0.02423
f103r #12	f75r	o[fptk]e4dy (okeedy)	okeedy	0.02000
f103r #13	f84v	ceckey relatives (ceckey)	ceckey	0.01566
f103r #14	f82v	o[fptk]e4dy (otedy, oteedy), okal variants (qokal)	okal, otedy, oteedy	0.03089
f103r #15	f75v	okal variants (qokal)	qokal	0.02180
f103r #16	f82v	o[fptk]e4dy (oteedy)	oteedy	0.01392
f103r #18	f80r	otal variants (otal)	otal	0.01496
f103v #1	f84v	ceckey relatives (ceckey), o[fptk]e4dy (okeedy), o[tk]e0-4y (qokey), okal variants (qokal)	ceckey, okaly, okeeey, otdy	0.02318
f103v #2	f83v	o[fptk]ai4n (okaiin)	okaiin	0.00993
f103v #3	f75v	o[fptk]e4dy (otedy), okal variants (qokal)	qokal, ykedy	0.01680
f103v #4	f75r	o[fptk]e4dy (okeedy)	okeedy	0.01455
f103v #5	f82v	o[fptk]e4dy (oteedy), o[tk]e0-4y (qokey)	okeoky, oteedy	0.01771
f103v #6	f84v	ceckey relatives (ceckey), o[fptk]e4dy (oteedy), okal variants (qokal), oro (orol)	ceckey, okaly, orog, otdy	0.03770
f103v #8	f82v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, qokey)	okeoky, oteedy, oty	0.02182
f103v #9	f75r	o[fptk]e4dy (okeedy, otedy)	okeedy	0.01778
f103v #10	f84v	ceckey relatives (ceckey), o[fptk]e4dy (otedy)	ceckey, otdy	0.01882
f103v #11	f82v	o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (oty)	otedy, oteedy, oty	0.02269
f103v #13	f75v	o[tk]e0-4y (oty)	oty	0.00899
f103v #14	f84v	ceckey relatives (ceckey)	ceckey	0.01934
f104r #1	f82v	o[fptk]e4dy (otedy, oteedy), okal variants (okal)	okal, otedy, oteedy	0.02545
f104r #2	f80r	okal variants (qokal), okar variants (okar), okor variants (okor)	okaly, okar, okory	0.01401
f104r #3	f82r	okar variants (okar), ol[tk] (olkeedy), oly (otoly)	okar, olkoky, sokoly	0.03461
f104r #4	f80r	o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal), okar variants (okar), otal variants (otal)	okaly, okar, okolo, otal	0.03282
f104r #5	f80r	otal variants (otal)	otal	0.01317
f104r #6	f83r	o[fptk]c + e0-4dy (qokcedy)	qokcedy	0.01262
f104r #7	f84v	ceckey relatives (ceckey), okar variants (okair)	ceckey, okar	0.01049
f104r #9	f82v	ece polygraph (otecedy), okal variants (qokal), okol variants (okol)	okal, okol, otecedy	0.02063
f104r #10	f75v	okal variants (qokal)	qokal	0.03633
f104r #11	f82r	okal variants (okal), okar variants (okar)	okal, okar	0.06243
f104r #13	f81v	otai0-4n (otaiin)	otaiin	0.02526
f104v #1	f81v	otai0-4n (otaiin)	otaiin	0.00699
f104v #2	f84v	[yo]c + e4dy (oceedy), so (sol)	oceedy, sol	0.03151
f104v #3	f81v	otai0-4n (otaiin)	otaiin	0.01602
f104v #4	f82v	o[fptk]e4dy (oteedy)	oteedy	0.01033
f104v #5	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ol[tk] (olkcey)	ceeol, solkeey	0.01192
f104v #7	f78r	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary)	ary	0.00720
f104v #10	f83r	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), [fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol)	ceeol, raly	0.01449
f104v #11	f82v	o[fptk]e4dy (okeedy, oteedy)	oteedy	0.03001
f104v #12	f78r	od[fptk | dlrsmg] (odl)	odl	0.00793
f104v #13	f84v	o[fptk]e4dy (oteedy), o[tk]e0-4y (okeeey)	okeeey, otdy	0.02399
f105r #1	f84v	[yo]c + e4dy (oceedy), o[fptk]c + e0-4dy (otcedy), o[fptk]e4dy (otedy), okar variants (okar)	oceedy, okar, okcedy, otdy	0.02210
f105r #2	f82v	o[fptk]e4dy (oteedy)	oteedy	0.00941
f105r #3	f75v	o[fptk]e4dy (ykedy)	ykedy	0.01035
f105r #4	f82v	o[fptk]e4dy (okeedy, oteedy)	oteedy	0.01656
f105r #5	f82v	o[fptk]e4dy (okedy, otedy, oteedy), o[tk]e0-4y (okeeey), o-axis of [yo][fptk][ao][lr] (otol)	okeoky, okoldy, otedy, oteedy	0.01697
f105r #6	f84v	o[tk]e0-4y (okeeey)	okeeey	0.01661

f105r #8	f82v	o[fptk]e4dy (oteedy), okar variants (okair), ol[tk] (olkeedy)	okair, olkeedy, oteedy	0.03052
f105r #9	f82r	okal variants (okal)	okal	0.01678
f105r #10	f82r	okal variants (qokal), oro (orol)	okaldy, orol	0.02257
f105v #1	f82v	o[fptk]e4dy (oteedy), okar variants (okair), old (okoldy)	okair, okoldy, oteedy	0.02650
f105v #2	f82v	o[fptk]e4dy (otedy), ol[tk] (olkeedy)	olkeedy, otedy	0.02232
f105v #3	f83v	o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e0-4dy (qokcedy)	okaiin, okcedy	0.01002
f105v #4	f80r	okal variants (okal), okar variants (okair), otal variants (otal)	okair, okaly, otal	0.02164
f105v #5	f83v	o[fptk]ai4n (okaiin)	okaiin	0.01514
f105v #6	f78r	od[fptk | dlrsmg] (odl)	odl	0.01233
f105v #7	f84r	lk-initial (lkol)	lkol	0.01734
f105v #8	f81v	otai0-4n (otaiin)	otaiin	0.01684
f105v #9	f81v	otai0-4n (otaiin)	otaiin	0.02345
f105v #10	f81v	o[fptk]ai4n (okaiin), ol[tk] (olkal), otai0-4n (otaiin)	olkal, otaiin	0.02674
f106r #1	f75v	[yo][fptk]e4d (qoted)	qoted	0.01188
f106r #2	f83v	o[fptk]ai4n (okaiin)	okaiin	0.00795
f106r #3	f82v	o[fptk]e4dy (oteedy)	oteedy	0.01883
f106r #4	f84r	o[fptk]e4dy (otedy)	otedy	0.01453
f106r #5	f80r	otal variants (otal)	otal	0.01732
f106r #6	f82v	okol variants (okol)	okol	0.01179
f106r #7	f77r	o[fptk]e4dy (okeedy), ol[tk] (olkeedy), otol variants (otol)	dotedy, olkoes, otol	0.01871
f106r #8	f77r	o[fptk]e4dy (otedy)	otedy	0.01682
f106r #9	f81v	otai0-4n (otaiin)	otaiin	0.01492
f106r #10	f83v	o[fptk]ai4n (okaiin)	okaiin	0.01325
f106r #11	f84v	ceckey relatives (ceckey), okal variants (okaly)	ceckey, okaly	0.03460
f106r #12	f83v	o[fptk]ai4n (okaiin)	okaiin	0.01987
f106r #13	f81v	otai0-4n (otaiin)	otaiin	0.02189
f106r #14	f75v	okal variants (qokal)	qokal	0.00908
f106r #15	f82v	o[fptk]e4dy (otedy), o[tk]e0-4y (oty), okal variants (okal)	okal, otedy, oty	0.02562
f106v #1	f78r	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (daly), cedai4[lrsm | n] (cedal), okar variants (okar)	ary, dceedaly, okaral	0.01236
f106v #2	f81v	otai0-4n (otaiin)	otaiin	0.01728
f106v #3	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol)	ceeol	0.01737
f106v #4	f80r	okal variants (qokal), otal variants (otal)	okaly, otal	0.02057
f106v #5	f83r	o[fptk]c + e0-4dy (qokcedy)	qokcedy	0.02734
f106v #6	f81v	otai0-4n (otaiin)	otaiin	0.03456
f106v #7	f82r	okal variants (okal)	okal	0.01818
f106v #8	f75v	dl Consonant clusters (odl), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[fptk]c + e0-4y (okcsey), o[fptk]e4dy (okeedy), okal variants (okal)	dly, dokal, okcsey, ykedy	0.02719
f106v #9	f82r	okal variants (okal)	okal	0.01818
f106v #10	f81v	ol[tk] (olkeedy), otai0-4n (otaiin)	olkal, otaiin	0.03282
f106v #12	f83r	so (sol)	sol	0.01318
f106v #13	f75v	o[tk]e0-4y (oty)	oty	0.01210
f106v #14	f77r	o[fptk]e4dy (otedy)	otedy	0.01522
f106v #15	f82v	o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty, okeeey), o-axis of [yo][fptk][ao][lr] (otol), okal variants (okal)	okal, okeoky, okoldy, otedy, oteedy, oty	0.03619
f107r #1	f81v	otai0-4n (otaiin)	otaiin	0.01094
f107r #2	f84v	ceckey relatives (ceckey), o[fptk]e4dy (okeedy)	ceckey, otdy	0.01323
f107r #3	f83v	o[fptk]ai4n (okaiin)	okaiin	0.01445
f107r #4	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[tk]e0-4y (okeeey)	ceeol, qokey	0.01741
f107r #5	f81v	ol[tk] (olkeedy), otai0-4n (otaiin)	olkal, otaiin	0.03282
f107r #6	f84v	o[tk]e0-4y (okeeey)	okeeey	0.01214
f107r #7	f77v	okal variants (qokal), okar variants (okair)	okair, okalo	0.02242
f107r #8	f82r	okal variants (okal, qokal)	okal, okaldy	0.02642
f107r #9	f82r	okal variants (ykal), oro (orol)	okaldy, orol	0.01910
f107r #10	f82r	okal variants (okal), okar variants (okar, okaral)	okairajy, okal, okar	0.02731
f107r #11	f81v	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.01354
f107r #12	f80r	okal variants (okal, qokal), otal variants (otal)	okaly, otal	0.02417
f107r #13	f80r	otal variants (otal)	otal	0.01266
f107r #14	f80r	otal variants (otal)	otal	0.02633
f107r #15	f80r	okar variants (okair), otal variants (otal)	okair, otal	0.03557
f107v #1	f80r	otal variants (otal)	otal	0.03376
f107v #2	f82v	ece polygraph (otecedy), okal variants (qokal), ol[tk] (olkeedy)	okal, olkeedy, otecedy	0.03048
f107v #4	f80r	o-axis of [yo][fptk][ao][lr] (otol), okal variants (qokal, okal), ol[tk] (olkal), otal variants (otal)	okaly, okolo, olky, otal	0.03910
f107v #5	f83v	o[fptk]ai4n (okaiin, otaiin), o[lr]a (soral)	okaiin, ololary	0.04834
f107v #6	f80r	okal variants (okal), ol[tk] (olkal), otal variants (otal)	okaly, olky, otal	0.02346
f107v #7	f78r	otas variants (otas)	otas	0.02221
f107v #8	f82v	o[tk]e0-4y (oty), okol variants (okol), old (oldy)	okol, okoldy, oty	0.02315
f107v #9	f81v	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.01875
f107v #10	f81v	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02031
f107v #11	f80r	okar variants (okar), ol[tk] (olkeedy)	okar, olky	0.02589
f107v #12	f83v	o[fptk]ai4n (okaiin)	okaiin	0.03179
f107v #14	f84v	ceckey relatives (ceckey)	ceckey	0.02349
f107v #15	f83r	o[tk]e0-4y (qokey)	qokey	0.02554
f108r #1	f84r	o[fptk]e4dy (okedy, otedy)	okedy, otedy	0.04320
f108r #2	f84v	o[fptk]e4dy (okedy, otedy), okar variants (okar)	okar, otdy	0.02959
f108r #3	f75r	o[fptk]e4dy (okedy, okeedy)	okeedy	0.01334
f108r #4	f83v	o[fptk]ai4n (okaiin)	okaiin	0.02649

f108r #5	f84v	ceckey relatives (ceckey), okal variants (qokal)	ceckey, okaly	0.01897
f108r #6	f84r	o[fptk]e4dy (okedy, okeedy, otedy), okol variants (okol)	okedy, okol, otedy	0.03684
f108r #7	f80r	otal variants (otal)	otal	0.02862
f108r #8	f84v	c-sequence + e4 + [fptk] + e4 + y (csekey), o[fptk]e4dy (okedy), okal variants (qokal, okal)	csekey, okaly, otdy	0.02292
f108r #9	f84r	o[fptk]e4dy (okedy, okeedy, otedy)	okedy, otedy	0.04998
f108r #10	f84r	o[fptk]e4dy (okedy, otedy), okal variants (qokal)	okaly, okedy, otedy	0.08581
f108r #11	f75v	o[fptk]e4dy (okedy, okeedy), okal variants (qokal)	qokal, ykedy	0.03409
f108r #12	f82v	o[fptk]e4dy (otedy), o[tk]e0-4y (qokey)	okeoky, otedy	0.02653
f108r #13	f84v	o[fptk]e4dy (okedy, okeedy, otedy, oteedy), okar variants (okar)	okar, otdy	0.02546
f108r #14	f82v	o[fptk]e4dy (okedy, otedy, oteedy), o[tk]e0-4y (qokey)	okeoky, otedy, oteedy	0.05583
f108v #1	f77r	o[fptk]e4dy (otedy)	otedy	0.00888
f108v #2	f82v	o[fptk]e4dy (oteedy, okedy, okeedy), o[fptk]edal (otedal), o[fptk]edar (okedar), o[tk]e0-4y (oty), okal variants (qokal, okal), okar variants (okar, okair)	okair, okal, okedar, otedal, oteedy, oty	0.04991
f108v #3	f84v	ceckey relatives (ceckey)	ceckey	0.01265
f108v #4	f75v	o[fptk]e4dy (okedy), o[tk]e0-4y (oty)	oty, ykedy	0.01105
f108v #5	f84v	ceckey relatives (ceckey), o[fptk]e4dy (otedy), okal variants (okal), okar variants (okar)	ceckey, okaly, okar, otdy	0.01586
f108v #6	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[tk]e0-4y (qokey)	ceeol, qokey	0.03138
f108v #7	f82v	o[fptk]e4dy (otedy, oteedy), old (oldy)	okoldy, otedy, oteedy	0.03042
f108v #8	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (ceeal), o[tk]e0-4y (qokey)	ceeal, ceeol, qokey	0.03290
f111r #1	f84v	ceckey relatives (ceckey), o[fptk]e4dy (oteedy)	ceckey, otdy	0.01019
f111r #2	f84v	ceckey relatives (ceckey), c-sequence + e4 + [fptk] + e4 + y (csekey), o[fptk]e4dy (okeedy, otedy, oteedy), o[lr][yoa] (olaiiin), o[tk]e0-4y (oty, qokey), okar variants (okar)	ceckey, csekey, okar, okeeey, orog, otdy	0.01025
f111r #3	f84v	ceckey relatives (ceckey), o[fptk]e4dy (okedy, okeedy, otedy, oteedy)	ceckey, otdy	0.01690
f111r #4	f83r	ce4a (ceeal), o[tk]e0-4y (oty)	ceeal, qokey	0.01236
f111r #5	f84v	ceckey relatives (ceckey)	ceckey	0.02530
f111r #6	f84v	ceckey relatives (ceckey), okal variants (okal, qokal)	ceckey, okaly	0.02347
f111v #1	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (ceeal), cedai4[lrsm | n] (cseedal), eka (cekal), o[tk]e0-4y (okeeey, qokey)	ceeal, ceeol, cekal, cseedal, qokey	0.02199
f111v #2	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ce4a (ceeal)	ceeal, ceeol	0.00951
f111v #5	f83r	ce4a (ceeal)	ceeal	0.02949
f111v #6	f83r	ce4a (ceeal)	ceeal	0.01622
f111v #7	f83v	o[fptk]ai4n (okaiin)	okaiin	0.02193
f111v #8	f84v	ceckey relatives (ceckey), o[fptk]e4dy (okedy, okeedy, oteedy), okal variants (qokal)	ceckey, okaly, otdy	0.01548
f111v #9	f84v	ceckey relatives (ceckey), o[tk]e0-4y (okeeey), so (sol)	ceckey, okeeey, sol	0.03142
f111v #10	f84v	ceckey relatives (ceckey)	ceckey	0.01993
f112r #1	f82v	o[fptk]e4dy (oteedy), o[tk]e0-4y (oty, okeeey), ol[tk] (olkeedy)	okeoky, olkeedy, oteedy, oty	0.03948
f112r #2	f81v	otai0-4n (otaiin)	otaiin	0.02345
f112r #3	f82v	o[fptk]e4dy (okedy, otedy), o[tk]e0-4y (qokey), okal variants (okal)	okal, okeoky, otedy, oteedy	0.02539
f112r #4	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[tk]e0-4y (okeeey, qokey)	ceeol, qokey	0.02617
f112r #5	f82v	o[fptk]e4dy (okeedy, otedy, ykedy), o[tk]e0-4y (oty)	otedy, oteedy, oty	0.03748
f112r #6	f84v	ceckey relatives (ceckey), o[fptk]e4dy (oteedy)	ceckey, otdy	0.01360
f112r #7	f83v	o[fptk]ai4n (okaiin)	okaiin	0.01272
f112r #8	f84v	o[fptk]c + e0-4dy (qokcedy), o[fptk]e4dy (okeedy, otedy)	okcedy, otdy	0.02110
f112r #9	f82v	o[fptk]e4dy (okedy, okeedy, oteedy), o[tk]e0-4y (qokey), okal variants (okal)	okal, okeoky, oteedy	0.07140
f112r #10	f82r	o[fptk]e4os (okeeos), okal variants (okal, qokal), okar variants (okar), ory (ory)	darory, okal, okaldy, okar, okeeos	0.04707
f112r #11	f84v	o[fptk]e4dy (okeedy), o[tk]e0-4y (okeeey), okar variants (okar)	okar, okeeey, otdy	0.02010
f112v #1	f75v	o[fptk]e4dy (okedy), o[tk]e0-4y (oty), okal variants (qokal)	oty, qokal, ykedy	0.01744
f112v #2	f83v	o[fptk]ai4n (okaiin, otaiin), o[fptk]c + e0-4dy (qokcedy), okor variants (okor)	okaiin, okcedy, okor	0.04354
f112v #3	f83r	o[tk]e0-4y (qokey), ol[tk] (olky)	qokey, solkeey	0.01597
f112v #4	f82v	o[fptk]e4dy (okeedy), o[tk]e0-4y (qokey), ol[tk] (olkeedy)	okeoky, olkeedy, oteedy	0.01746
f112v #5	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), ol[tk] (olkeedy)	ceeol, solkeey	0.03432
f112v #7	f81v	otai0-4n (otaiin)	otaiin	0.01824
f112v #8	f82v	o[fptk]e4dy (okeedy), ol[tk] (olkeedy)	olkeedy, oteedy	0.01951
f112v #9	f84r	o[fptk]e4dy (okedy)	okedy	0.02285
f112v #10	f84v	o[fptk]e4dy (okeedy), okar variants (okar)	okar, otdy	0.01628
f112v #11	f81v	otai0-4n (otaiin)	otaiin	0.02265
f112v #12	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol)	ceeol	0.02719
f112v #13	f75v	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), ai0-4[dlrsmg][dlrsmg] (daldy), o[fptk]c + e0-4 + y | dy | o[dlrs]y (qokcedy), o[tk]e0-4y (qokey, oty), okal variants (okal), otol variants (otol)	daldy, dary, dokal, okcsey, otoly, oty	0.02806
f113r #1	f75v	o[fptk]e4dy (okeedy), o[tk]e0-4y (oty)	oty, ykedy	0.01532
f113r #2	f80r	okol variants (okol), ol[tk] (olkeedy), otal variants (otal)	okolo, olky, otal	0.01532
f113r #3	f80r	otal variants (otal)	otal	0.01317
f113r #6	f82v	o[fptk]e4dy (okeedy), ol[tk] (olkeedy)	olkeedy, oteedy	0.01250
f113r #7	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]c + e0-4dy (otcedy)	ceeol, otcedy	0.02787
f113r #8	f75v	okal variants (qokal)	qokal	0.01211
f113r #9	f75r	o[fptk]e4dy (okeedy)	okeedy	0.01600
f113r #10	f82v	o[fptk]e4dy (oteedy)	oteedy	0.00970
f113r #11	f83v	o[fptk]ai4n (okaiin)	okaiin	0.02805
f113r #12	f80r	okar variants (okar)	okar	0.01366
f113r #13	f80r	otal variants (otal)	otal	0.02057
f113r #14	f83v	o[fptk]ai4n (okaiin)	okaiin	0.00993
f113r #15	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol)	ceeol	0.01251
f113r #16	f83r	eka (cekal), o[tk]e0-4y (okeeey), ol[tk] (olkal)	cekal, qokey, solkeey	0.01089
f113v #1	f81v	otai0-4n (otaiin)	otaiin	0.00995
f113v #2	f82v	o[fptk]e4dy (otedy, oteedy)	otedy, oteedy	0.03427
f113v #3	f82v	o[fptk]e4dy (oteedy)	oteedy	0.01104
f113v #4	f77r	o[fptk]e4dy (otedy), otol variants (otol)	otedy, otol	0.02032
f113v #5	f82v	okal variants (okal), okol variants (okol)	okal, okol	0.01931

f113v #6	f82r	okal variants (okal), okar variants (okar)	okal, okar	0.02340
f113v #7	f83v	o[fptk]ai4n (okaiin)	okaiin	0.05128
f113v #8	f81v	otai0-4n (otaiin)	otaiin	0.02526
f113v #9	f83v	o[fptk]ai4n (okaiin, otaiin)	okaiin	0.02705
f113v #10	f82r	okal variants (okal)	okal	0.01558
f113v #11	f80r	okar variants (okar)	okar	0.01929
f113v #12	f81v	otai0-4n (otaiin)	otaiin	0.00966
f113v #13	f81v	otai0-4n (otaiin)	otaiin	0.02432
f113v #14	f83r	o[fptk]c + e0-4dy (qokcedy), o[tk]e0-4y (oty)	qokcedy, qokey	0.03469
f113v #15	f82v	o[fptk]e4dy (oteedy), okal variants (okal)	okal, oteedy	0.02158
f114r #1	f84r	o[fptk]e4dy (okedy)	okedy	0.01391
f114r #2	f75v	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary)	dary	0.00895
f114r #3	f83v	o[fptk]ai4n (otaiin), o[fptk]c + e0-4dy (okcedy), o[lr]o (orol)	okaiin, okcedy, ololary	0.02332
f114r #4	f83v	o[fptk]ai4n (okaiin), o[fptk]c + e0-4dy (qokcedy)	okaiin, okcedy	0.01854
f114r #5	f75v	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary), ai0-4[dlrsmg][dlrsmg] (daldy), o[tk]e0-4y (qokey), otol variants (otol)	daldy, dary, otoly, oty	0.01609
f114r #6	f75v	[yo][fptk]e4d (qoted), o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	oty, qoted, ykedy	0.03458
f114r #8	f82v	okar variants (okar), okol variants (okol)	okair, okol	0.01124
f114r #9	f82v	o[fptk]e4dy (okeedy, otedy, ykedy), o-axis of [yo][fptk][ao][lr] (otol), okar variants (okair), ol[tk] (olkeedy)	okair, okoldy, olkeedy, otedy, oteedy	0.03394
f114r #10	f81v	otai0-4n (otaiin)	otaiin	0.01492
f114r #11	f80r	okal variants (qokal), otal variants (otal)	okaly, otal	0.01234
f114r #12	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]c + e0-4dy (otcedy)	ceeol, otcedy	0.02210
f114r #13	f81v	otai0-4n (otaiin)	otaiin	0.00842
f114v #1	f75v	[yo][fptk]e4d (qoted), o[fptk]e4dy (okeedy), okal variants (okaly), otol variants (otol)	dokal, otoly, qoted, ykedy	0.01828
f114v #2	f81v	otai0-4n (otaiin)	otaiin	0.01728
f114v #4	f84v	[yo]c + e4dy (oceedy)	oceedy	0.01385
f114v #5	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), cedai4[lrsm | n] (cedal), or[yoa] (okory)	cedal, ceeol, cetorol	0.02178
f114v #6	f75v	okal variants (qokal)	qokal	0.02180
f114v #7	f83r	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), o[fptk]c + e0-4dy (qokcedy)	qokcedy, raly	0.01702
f114v #8	f81v	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02120
f114v #9	f78r	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary)	ary	0.01325
f114v #10	f80r	okol variants (okol), otal variants (otal)	okolo, otal	0.02574
f114v #11	f84v	ceckey relatives (ceckey)	ceckey	0.01315
f114v #12	f81v	o[fptk]ai4n (okaiin), otai0-4n (otaiin)	otaiin	0.02555
f115r #1	f82v	o[fptk]e4dy (otedy, oteedy)	otedy, oteedy	0.02284
f115r #3	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol)	ceeol	0.01646
f115r #5	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), o[fptk]c + e0-4dy (otcedy)	ceeol, otcedy	0.01589
f115r #7	f78r	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (ary)	ary	0.00828
f115r #9	f83v	o[fptk]ai4n (okaiin)	okaiin	0.00600
f115r #11	f83r	[fptk | dlrsmg] + c | c[s | fptk] + e4o[dlrsmg] (ceeol), so (sol)	ceeol, sol	0.02470
f115r #12	f75v	lc-initial (lcey)	lcey	0.02058
f115v #1	f84v	o[fptk]c + e0-4dy (okcedy, qokcedy), oi (roiin)	okcedy, roiin	0.01790
f115v #2	f83v	okor variants (okor)	okor	0.01660
f115v #3	f84v	o[fptk]c + e0-4dy (otcedy), okar variants (okar)	okar, okcedy	0.01823
f115v #5	f83r	o[tk]e0-4y (qokey)	qokey	0.00643
f115v #6	f80r	otal variants (otal)	otal	0.01219
f115v #7	f77r	o[fptk]e4dy (otedy)	otedy	0.01332
f115v #8	f66r Poison + Double-Gutter Key	o[tk]e4s (ykees)	ykees	0.00723
f115v #10	f78r	cedai4[lrsm | n] (cedal), okar variants (okar)	dceedaly, okaral	0.01371
f115v #13	f75v	[fptk | dlrsmg] + ai4[dlrsmg | n] + y-suffix (dary), o[tk]e0-4y (oty, qokey)	dary, oty	0.02114
f116r #1	f80r	otal variants (otal)	otal	0.01062
f116r #2	f82v	o[fptk]e4dy (otedy, oteedy), o[tk]e0-4y (oty)	otedy, oteedy, oty	0.04248
f116r #3	f77r	o[fptk]e4dy (otedy)	otedy	0.02779
f116r #4	f80r	otal variants (otal)	otal	0.00645
f116r #5	f82v	o[fptk]e4dy (okeedy, oteedy), o[fptk]edal (otedal)	otedal, oteedy	0.03128
f116r #6	f82v	o[fptk]e4dy (okeedy, otedy, oteedy), o[tk]e0-4y (oty, qokey), okal variants (qokal, okal, okaly), okar variants (okar)	okair, okal, okeoky, otedy, oteedy, oty	0.02466
f116r #7	f75v	lc-initial (lcey), o[tk]e0-4y (qokey)	lcey, oty	0.00482
f116r #8	f84v	ceckey relatives (ceckey), o[tk]e0-4y (qokey), okal variants (okal), okar variants (okar, okaral)	ceckey, okaly, okar, okeeey	0.02827

Table 32.1: Plants Lacking Usage Property and Herbal Ingredient Conflicts in Association Validation Tests

Plants with No Usage Property Conflicts	Identification Strength
f3v Mugwort/Wormwood Subtype (not Vulgaris)	**0.400**
f5v Mallow	1.000
f10v Snakeshead (Fritillaria)	1.000
f11r Tetterwort/Greater Celandine	**0.200**
f13r Rhubarb	0.800
f16v Devil in the Bush and Cobweb Houseleek	0.200
f18v "koldarod" Agrimony Candidate #1	0.800
f21r Paper/Sun Spurge (Wartwort) or Rupturewort	0.600
f22r Crimson Clover	0.400
f23r Agrimony Candidate #2	0.800
f23v Borage	1.000
f26v Alder Relative	0.200
f27r #1 Bay Laurel	0.600
f27r #2 Hazelwort (aka Snakeroot) or Catsfoot	0.800
f29r Aloe Species	0.600
f32v (f102r2 #2) Tormentil	0.600
f35v Maidenhair	1.000
f37r Danewort (Sambucus Ebulus)	0.400
f41r Spikenard (not Ploughman's)	**0.600**
f42r #1-2 Sorrel and Wood Sorrel	1.000
f44v Colocynth	**0.200**
f45r Stinging Nettle	0.200
f47v Lungwort	0.600
f48r Buttercup #1 "dairokoy" (Ranunculus #1)	0.600
f51v Juniper	1.000
f52r Pasqueflower	1.000
f55r Geranium/Herb Robert	0.600
f56r Drosera Intermedia	0.800
f65r Fennel, Celeriac or Sanicula	**0.400**
f90r1 Scabious or Carthamus	0.400
f90r2 Pennywort Composite	0.200
f90v2 Tansy or Hairy Fleabane	**0.800**
f93v White/Red Bryony	0.800
f94v Orris Root	**1.000**
f95r1 Bearberry	0.800
f95r2 Fumitory #2	0.800
f95v1 Hollyhock	1.000

Plants with No Herbal Ingredient Conflicts	Identification Strength
f2r Centaurea Benedicta/Cyanus/Diffusa	1.000
f2v Nymphoides/Water Lily	1.000
f3v Mugwort/Wormwood Subtype (not Vulgaris)	**0.400**
f8r Libbard's Bane Candidate #1	1.000
f11r Tetterwort/Greater Celandine	**0.200**
f11v Orpine/Orpin Root	0.600
f15v Paris Quadrifolia	1.000
f24v Daylily (Hemerocallis)	0.800
f30r Lily of the Valley	0.600
f33r Henbane	0.600
f34v Pomegranate	0.800
f40r Carnation Type #2	0.200
f41r Spikenard (not Ploughman's)	**0.600**
f42v European Columbine	0.600
f44v Colocynth	**0.200**
f52v Scorpion Weed/Tail (Heliotrope)	0.600
f55v Turmeric or Clove	0.200
f65r Fennel, Celeriac or Sanicula	**0.400**
f90v2 Tansy or Hairy Fleabane	**0.800**
f94v Orris Root	**1.000**

Table 32.2: Plants Exhibiting Association Conflicts with 1 or More of 10 Selected Usage Properties

Figure	ID	Discrepancies Toxicity	Anthelmintic	Large Creature Bite or Blood	Small Creature Bite	Burn	Musculo-Skeletal	Beautification	Menstrual	Breast
Discrepancy Count = 5										
f51r Phryne or German Madwort	0.400		kolotam, okam, qoetam		yoees	ykceo	oteodaiin		tceoldcey, ykeoldy	
Discrepancy Count = 4										
f41v Apiaceae Umbelliferae	1.000			keoy			okeody, oteodar, oteody, qokeody, ykeeody	ofcedy, ypceedy	old	
Discrepancy Count = 3										
f3r Sawtooth Spurge	1.000				qosceodam		okodaiin, otceody, qokody, yteody		pceeoldom	
f15r Sow Thistles	0.600		dom		ceoros	otceo				
f17v Smilax	0.600		okeom, om		os	qokceeo				
f20r Viper's Bugloss	0.600	qocey					qoteeody		ceokoldy	
f20v Asphodeline	0.400	pofoceey			sos				ceoldy	
f31v Disambiguation of Foxglove/Throatwort	0.600		okam		oeeeos, okeeos, okeos, otas, ykeos, ytceos		okeody			
f34v Pomegranate	0.800				loees			okcedy, qokcedy, opcedy, ypcedy	oldaiin, oldam, oldar, qoldar	
f37v European Aspen	0.600		tom		osceo	osceo				
f38r Rhinanthus - Alpine Rattlespot	0.200			okoy	kos				ckeoldy	
f46v Greater Fleabane	1.000		om					opceedy, otcedy, ykcedy	oldy	
f50r Drosera Species	0.800		okam		osam		okeody			
f50v Alpine Snowbell	0.600			oeeey				cseotcedy, okcedy, opceedy, qokcedy, qotcedy		ols
f93r Scabwort or Middle/Common Fleabane	0.800	yceey				qokceo				ceotols,teols
f94r Moonwort	1.000				opais, osain		otody	dytcedy, qotcedy		
f95v2 Common Baneberry/Toadroot	1.000						okody	ofcedy		olsain
Discrepancy Count = 2										
f4r Rosemary Heather	1.000			ytoy					cpeoldy	
f4v Rampion	1.000						ceokeody, ceokody, okeody		ceoldy	
f5r Winter Wolfsbane	1.000					qotceeo, qotceo				ceolols,olsy
f9r European Holly	0.600					ceokceo, olcseo, qotceo			dcseoldy	
f10r Chicory/Endive	1.000			oykceor	os, osain					
f18r Helichrysum "Snake Rose"	0.800	ycey	om							
f19r Valerian Composite	0.800					qokceo			ceoldy	
f21v Dittany Disambiguation	0.400				oeeesoy	ykceo				
f25v Asp of Jerusalem (Woad)	1.000				sos	qokceo				
f28r Smearwort/Adder's Tongue Relative	1.000					okcseo	ceokod			
f29v German Speedwell	0.600					qotceo			cteold	
f35r Umbrella Liverwort	0.400	ceocey							koldy	
f36v Galium Aparine (Cleavers)	0.600		dom, qoforom		os					
f40v Vampirecup Infection of Colchicum	0.200		okam, qokaim		toees					
f46r Flea Seed (Plantago/Plantain Composite)	0.200							opceedy, qokcedy, qopcedy, sayfceedy, ypceedy, ytcedy	aloldy	
f49r Lesser Celandine (Ranunculus #3)	0.600					qotceo				qolsor
f54r Woundwort (Stachys)	0.800						okceody, okeodaiin		koldy, oldam	
f55v Turmeric or Clove	0.200		otam						oldy	
f90v1 Hedge Mustard	0.400						okeceod, okeeodaiin, okeeody, yteody			oleees
Discrepancy Count = 1										
f1v Nightshade/Belladonna	1.000					otceo				
f2r Centaurea Benedicta/Cyanus/Diffusa	1.000								ytoldy	
f2v Nymphoides/Water Lily	1.000				ceokeos, loeees					
f6r Hawkweed/Hawksbeard	0.400									ceotols
f6v Ricin	1.000						okody, qokceod, ytody			
f7r Starflower	0.800	ceocey, kcseoloceey, loceey, ocey, yceey								
f7v Bitter/Blue Fleabane	0.800					cseotceo, okcseo				
f8r Libbard's Bane Candidate #1	1.000				koes					
f8v Comfrey	1.000		om							
f9v Viola Tricolor (Pansy)	1.000								toldy, ytoldy	
f11v Orpine/Orpin Root	0.600								poldceody, sceold	
f13v Honeysuckle	0.600									ols
f14r Black Salsify or Viper's Grass	1.000					otceo				
f14v Wood Betony	0.600	ycey								
f15v Paris Quadrifolia	1.000									ols
f16r Hyssop (or Cannabis)	1.000						otody			
f17r Aristolochia Lanceolata	0.600					qofceo				
f19v Nailwort/Hairy Forked Chickweed	0.600		darom, dom, otam							
f22v Peony Subspecies	0.200		otam							
f24r Silene Latifolia	1.000		om, otam							

f24v Daylily (Hemerocallis)	0.800					dlos, oesearees, okoeos,otceos				
f25r Balm of Gilead "dair otaiir otosy"	0.200									cpeoldy, fceoldy, oceoldy
f26r Black Alder	0.400				oloy, qoy					
f27v Myrtle Communis	0.800						okceo, okcseo, ykceo			
f28v Citron Digitata	0.200							qokceody		
f30r Lily of the Valley	0.600									ceeoldain
f30v Spindle or Dog's Mercury	0.600							ceokeody, qotceod		
f31r Feverfew	0.600								qofceedy	
f32r Basil	0.600						otceo, ytcseo			
f33r Henbane	0.600									oldor, yfoldy
f34r Cowbane	0.600					ysair				
f36r Sycamore/Maple Composite	0.200		rom							
f38v Jovibarba	0.600		okom							
f39r Fumitory #1	0.600									dold
f39v Carnation #1 or Morning Glory	0.200							okody		
f40r Carnation Type #2	0.200	yceeey, yceey								
f42v European Columbine	0.600							ceotody, qokod		
f43r Creeping or Cursed Buttercup	0.400		otam, ykam, ytam							
f43v #1 Motherwort, #2	both							okeody, oteod, oteody, ykeody		
Snakeweed/Easter Ledges	0.6									
f44r Purslane	0.800				oyd, toy					
f45v Lavender	0.600									dceoldy
f47r Houseleek	0.600									ceoldy
f48v Bulbous Buttercup	0.600									loldy, oldy, otoldy
f49v Liverwort	0.400		ceokam							
f52v Scorpion Weed/Tail (Heliotrope)	0.600									sols
f56v Figwort (Scrophularia)	0.200						ceokceo,qokceo			
f57r Licebane vs. Blue Field Madder	0.500								okcedy	
f66v Houndstongue	0.600							ceokeody, okeody		
f87r Fleawort	0.800							ceokeeody, oteody		
f87v #1 Primrose, #2 Lousewort	both 1						ykcseo, ytceeo			
f96r Black Hellebore	0.600						ceopceo, otceo			
f96v Black Bryony	1.000				soy					

Table 32.3: Plants Exhibiting Association Conflicts with 1 or More of 5 Selected Herbal Ingredient Properties

Figure	ID	Discrepancies				
		Roots/Rhizomes	Leaves	Flowers/Fruits/Stems	Oil-Sap-Juice	Seeds/Rhizomes
Discrepancy Count = 4						
f31v Disambiguation of Foxglove/Throatwort	0.600	ceeor		ceeody,kceody,pceeeody	ceeom	ceeos,ckeeos
Discrepancy Count = 3						
f4v Rampion	1.000		ceol,cteol	cpeody,cseody	ceeom	
f7v Bitter/Blue Fleabane	0.800	ceeor,ceor,kceor	ceeol,cseol,cteol	ceeeody,cseeod,tceody		
f29r Aloe Species	0.600	ceeor,ceor,cseor,cteor,dceor		ceeod		ceos,cseeos,cseos
f42r #1-2 Sorrel and Wood Sorrel	1.000	ceor,cseeor,cseor,cteor		ceody,pceody		ceos,cseos
f54r Woundwort (Stachys)	0.800		ceol,ckeol		ceom	ckeos
f90v1 Hedge Mustard	0.400	ceeor,cseeor,pceeor,tcseor	ceeol,ceol,cseeol,cseol			ceeos,cfeeos
Discrepancy Count = 2						
f3r Sawtooth Spurge	1.000		ceeol,ceol,cseeol,cseol,cteol, pceeol	ceeody		
f4r Rosemary Heather	1.000	ceor,cseor,dceor			ceom,cteom	
f6r Hawkweed/Hawksbeard	0.400			cteeod		ceos
f6v Ricin	1.000		ceol,cteol	tceody		
f7r Starflower	0.800	ceor,cseor				kceos
f9r European Holly	0.600	ceor,cseor,cteor		ceody,cteod		
f14r Black Salsify or Viper's Grass	1.000		fceol,sceol	ceod,ceody		
f16r Hyssop (or Cannabis)	1.000	ceor,cseor,tceor		cseody		
f16v Devil in the Bush and Cobweb Houseleek	0.200	ceor,cseory,cteor		ceody,cpeod		
f18r Helichrysum "Snake Rose"	0.800	ceor,cseor,cteor,kceor,tceor	ceol,ckeol,cteol			
f20v Asphodeline	0.400		ceeol,ceol,cpeol,cseol,kceol ,tcseol			ceeos,cseos
f21v Dittany Disambiguation	0.400		ceol,ckeoly,lceol,tceol	ceody		
f27r #1 Bay Laurel	0.600	ceor				ceos
f27r #2 Hazelwort (aka Snakeroot) or Catsfoot	0.800			cseod,cteody		ceos
f28r Smearwort/Adder's Tongue Relative	1.000	cseor,dcseor		cseod,cteody		
f28v Citron Digitata	0.200	ceeor,ceor,cseor,cseory,cteor	ceol,ceoly,cseeol,cteol,kcseol, pceol			
f29v German Speedwell	0.600			cseody,cteod,cteody		tceos
f35r Umbrella Liverwort	0.400	cseor,cteory,tceor	ceol,ceoly,ckeol,cseol,cteol			
f35v Maidenhair	1.000	ceor,cseory,dceor,kceor,tceor	ceeol,ceol,ceoly,cseol,dceol			
f37v European Aspen	0.600	ceor,cteor,dceor,dcseor	ceol,cseoly,cteol			
f38v Jovibarba	0.600	ceor		ceeod,ceody		
f41v Apiaceae Umbelliferae	1.000		ceol	pceeody		
f45r Stinging Nettle	0.200	cseor,pceor			cteom	
f45v Lavender	0.600	ceor,cpeor,cseor,dcseor	ceeol,ceol,kceol			
f46r Flea Seed (Plantago/Plantain Composite)	0.200	ceeor,cseor		ceody		
f47r Houseleek	0.600	ceor,kceor		tceod		
f49r Lesser Celandine (Ranunculus #3)	0.600	ceor,cseeor,cseor,dceor,pceor		ceody,cseod,cteod		

f49v Liverwort (Ranunculus #4)	0.400	ceeor,ceor,kceor,kcseor				kceos
f50r Drosera Species	0.800		tcseol			cseos
f52r Pasqueflower	1.000	ceor,cseor			dceom,tceom	
f56v Figwort (Scrophularia)	0.200	ceor,cseor				ckeos
f87r Fleawort	0.800	ceeor,ceeory,ceor,cseeor				ceeos,cseos, cteos, fceeos, tceos
f87v #1-2 Primrose, Lousewort	1.000			ceeody,cseody,dceeody		ceeos,ceos,ckeeos,cteosy, dceeos
f90r1 Scabious or Carthamus	0.400	ceor,cseeor,cseor	ceol,cseeol			
f94r Moonwort	1.000	ceeor,cseor		ceeody		
f95v1 Hollyhock	1.000	tcseor				cseeos
f96r Black Hellebore	0.600			ceeody,ckeeody,cteody		ceos,ckeeos
f96v Black Bryony	1.000		ckeeol			cpeeos,dcseeos,pcseeos
Discrepancy Count = 1						
f1v Nightshade/Belladonna	1.000	cseor,dceor				
f5r Winter Wolfsbane	1.000			ceody,cseeody,cseody,kcseody		
f5v Mallow	1.000	ceor,cteor				
f8v Comfrey	1.000			ceodey		
f9v Viola Tricolor (Pansy)	1.000	ceor,cseor,cteor,dceor,pceor				
f10r Chicory/Endive	1.000	ceor,cseor,cteor				
f10v Snakeshead (Fritillaria)	1.000		ceol,kceol			
f13r Rhubarb	0.800		ceol,cfeol,cseol,dceol,kceol			
f13v Honeysuckle	0.600	cseor,cteor,kceor				
f14v Wood Betony	0.600	cteor				
f15r Sow Thistles	0.600					ceos
f17r Aristolochia Lanceolata	0.600			ckeody,fcseody		
f17v Smilax	0.600				ceom	
f18v "koldarod" Agrimony Candidate #1	0.800	ceor				
f19r Valerian Composite	0.800		ceol			
f19v Nailwort/Hairy Forked Chickweed	0.600	ceor,cteor,kceor				
f20r Viper's Bugloss	0.600	ceor,dceor				
f21r Paper/Sun Spurge (Wartwort) or Rupturewort	0.600	ceeor,ceor,cteor,dceor,pceor				
f22r Crimson Clover	0.400	ceor,cteeor,cteor,dceor,dcseeor,sceor				
f22v Peony Subspecies	0.200		ceol,cseol,tceol			
f23r Agrimony Candidate #2	0.800	ceor				
f23v Borage	1.000	ceor,cseor				
f24r Silene Latifolia	1.000		ceeol,ceol,cteol			
f25r Balm of Gilead "dair otaiir otosy"	0.200	ceor,cteor				
f25v Asp of Jerusalem (Woad)	1.000	ceor,cteor,dceor,dcseor,kceor				
f26r Black Alder	0.400					ceeos,cseeos
f26v Alder Relative	0.200					ceeeos,ceeos
f27v Myrtle Communis	0.800	ceor,kceor				
f30v Spindle or Dog's Mercury	0.600		ceeol,cteol			
f31r Feverfew	0.600		ceeol,cseeol			
f32r Basil	0.600	ceor,cseeor,dceor,dcseor,sceor				
f32v (f102r2 #2) Tormentil	0.600		ceol,cpeol,cteol,dceol			
f34r Cowbane	0.600			ceody,cseeody,cseod		
f36r Sycamore/Maple Composite	0.200	cpeor,cseor,cteor				
f36v Galium Aparine (Cleavers)	0.600	ceory,ckeor,cteor,tceor				
f37r Danewort (Sambucus Ebulus)	0.400	ceory, ckeor, cseeor, cseor, cseory, cteor, dceor				
f38r Rhinanthus - Alpine Rattlespot	0.200	ceor				
f39r Fumitory #1	0.600	ceor				
f39v Carnation Type #1 or Morning Glory/Bindweed	0.200		ceol,ckeol			
f40v Vampirecup Infection of Colchicum	0.200		cseol			
f43r Creeping or Cursed Buttercup	0.400			ceeody,ceody,cseeody,cseody		
f43v #1-2 Motherwort, Snakeweed/Easter Ledges	0.600			ceeody,ceody,cseeody		
f44r Purslane	0.800	ceor,dcseor				
f46v Greater Fleabane	1.000			ceody		
f47v Lungwort	0.600	ceeor,ceor,ceory				
f48r Buttercup #1 "dairokoy" (Ranunculus #1)	0.600			ceeody,cseeody		
f48v Bulbous Buttercup (Ranunculus #2)	0.600			ceody,cseody		
f50v Alpine Snowbell	0.600			ceody		
f51r Phryne or German Madwort	0.400	ceeor				
f51v Juniper	1.000	ceor				
f55r Geranium/Herb Robert	0.600	lceor				
f56r Drosera Intermedia	0.800		ceol,ceoly,cseol,cteol,kceol,sceol			
f57r Licebane vs. Blue Field Madder	0.500			ceeeody,ceeody,cseeody		
f66v Houndstongue	0.600			ceeody,cseeody		
f90r2 Pennywort Composite	0.200	ceor,ckeor,dcseeeor				
f93r Scabwort or Middle/Common Fleabane	0.800			ceody,ckeeody,ckeody, cseeeody, cseody		
f93v White/Red Bryony	0.800					cteeos,dceos
f95r1 Bearberry	0.800	tceor				
f95r2 Fumitory #2	0.800	ceor				
f95v2 Common Baneberry/Toadroot	1.000					cseos

Appendix C: Non-Standard Terminology

Much of the jargon in the technical report is standard fare in relevant fields like data mining, linguistics and cryptology. Informal terms were helpful in expressing some of the concepts, which are presented below. Capitalized terms indicate that they were treated as formal object names:

4th Part of Speech	A small (w_N = 212, $w_{\|N\|}$ = 39) distribution closely aligned with a c | cs + e^{0-4}[lrsmg] definition that is believed to pertain to connectives like relativizers and subordinators.
a-Base	A word consisting of a single polygraph based on *a*, without being overridden by o-polygraphs characteristic of the noun set (or y-substitutions thereof). Examples include *daiin*, *sar* and *al*.
action chain	A chain of verbs forming a continuum defined by Planting/Creating → Tending/Growth → Harvesting/Acquisition → Processing → Usage/Application/Operation → Storage. Throughout the project the preponderance of actions moved continually to the right, contrary to our expectations.
agglutination limit	The point at which reduction of Voynich polygraphs reaches atomic units, beyond which inflectional, derivational and semantic concepts do not persist from the prior level of granularity.
analysis track	One of 8 avenues of inquiry investigated concurrently in each iteration of the project, as part of the preconceived "knowledge engineering" methodology. Examples include Ruleset Construction and Base Language Identification.
Anatomical Target/Cause	Short Voynich words lacking c-sequences, such as *om*, *oeey*, *ody* and *oees*. These often represent the underlying causes of illness, which can be parts of the human body.
backmatter	The final paragraphs of Section 5 in f116r and *oror cseeey* on f116v.
balneological section	Section 3, comprising f66r and f75r-f84v. The makeup differed slightly in some in versions prior to #29. The discussion here is centered on a network of bath chambers, but also includes compatible topics like beautification applications, including cosmetics.
c-sequence	Any polygraph defined by c | c[s | fptk | b] or possibly c | c[fptk | lrs], followed by 1-4 e-infixes. These indicate a switch in semantic hierarchies. Up to 4 can appear in a single Voynich word. For example, *om* represents an Anatomical Target/Cause member like *interior of the human body*, while *ceom* is closely correlated with oils, juices and saps extracted *from the interior of a plant*, in an Herbal Ingredient Hierarchy.
clause marker clusters	The tendency of [fptk]-initiators to clump together in close proximity at the beginnings of Voynich clauses.
Color/Symptom Hierarchy	Voynich words defined by [yo]c- that closely correlate with color concepts. These are believed to represent diagnostic criteria, especially of skin discolorations.
compound	The definition in this project is strictly limited to fusion into single words, unless otherwise stated.
connective	Common "link" words such as modals and auxiliaries, conjunctions, articles, adpositions, common pronouns, subordinators and relativizers.
cosmological section	Section 2, comprising the diagrams on f57v and f67r1-f70r2, plus a Zodiac subsection encompassing f70v2-f73v (and presumably the missing folios f74r Capricorn and f74v Aquarius). These diagrams represent timings relevant to disorders and their cures, as determined by astrological concepts, rather than a broader discussion of cosmology. The walls of text on f58r-v are also included, although their distribution is more characteristic of Sections 5-6, like f57v.
deadly do-	The tendency of do- polygraphs to be associated with deadly problems, such as toxic plant parts and venom. Examples extend far beyond both Nightshades. We initially believed this represented negation or the aversive case, but is probably a combination of their opposite, affirmation and the imperative mood with the benefactive, as in *you must/it is good to handle this object with care*.
definition collision	Positions in a semantic classification system in which 2 or more sets may intersect the same slot. This is a common problem in pasigraphic systems that implement multi-dimensional word relationships in a top-down, 2D manner, like Solresol or the Dewey Decimal System. Our term for this is drawn from the concept of object collisions in computer programming, which occur for similar reasons and require programmer intervention. Potential examples in the Voynich Manuscript may revolve mainly on distinguishing y-suffixes, y-Bases and y-substitutions for *o* in short words like *y* and *oy*. The latter is correlated with *large creature bites capable of drawing or contaminating blood* when used as a stand-alone base in the Anatomical Target/Cause Hierarchy, like *om*, *os* and *olk*. It might also be derived from a y-suffix applied to *o* though, meaning the plural or collective of *thing*, *it* or *body*.
degenerate clause	Voynich phrases in which a lone [fptk]-clause marker or the 1st member of a marker cluster is positioned < 4 words from the end of the paragraph. This typically results in unwieldy sentence structure and is considered too short to be a brief afterthought. All but a handful of these were eliminated by Version #59.
double a-Bases	A word consisting of at least 2 polygraphs defined by *a* and no instances of *o* or y-substitutions. These tend to behave in a more noun-like manner than single a-Bases. Examples include aral (w_N= 20) and daram (9).
dual-use morpheme	A Voynich polygraph that can act either as an affix or as a stand-alone word in its right.
e- and i-infixes	Any Voynich polygraph formed exclusively of *e* or *i*, up to 4 of which can be strung together in a single infix slot. All i-infixes and most e-infixes occur in the interior of words.
e- and i-sequences	See *e- and i-infixes*.
eruptive disorder	A skin affliction characterized by "wet" eruptions that break the skin, such as warts, boils, buboes, carbuncles and ulcers.
flat tops	Plants with flat tops, such as f16v, f19r, f27v, f36r, f39v, f45v, f93v, f88r Line 2 #4, f88v Line 2 #1, f99v #15, f102r1 #1 and f102v1 #4, #6-7. There is little evidence that this visual characteristic is reflected in the word distributions.
flatbed	A group of plants based on the visual similarity of f39r, f43r, f46r, f55r and f95r2 in Figure 19.1. This led to the discovery of a word distribution extending to a wider, well-delineated group of herbal folios, which turned out to be relevant to balneological and beautification themes.
General Usage	A set of prospective connectives flagged in early statistical testing. This is capitalized because it became the name of a formal early word category.
Herbal Ingredient Hierarchy	Plants parts occurring in a botanical morphology set, which are discussed mainly as ingredients in Voynich remedies. These are part of a wider Organic Ingredient Hierarchy.
herbal section	Section 1, comprising f1v-f57r, f65r-v, f66v, f87r-v and f90r1-f96v. These consist of discussions of single plants in most cases, with a limit of 2.
initiator	The initial letter, polygraph, word or phrase of an object of lesser granularity at the polygraph, word, phrase, text sequence, page or section levels.
Inorganic Solid Hierarchy	A set of solid ingredients used in medieval medicine that are not derived from organic sources, such as salt. These should at least have some minor mention in the manuscript. Although we cannot provide supporting correlation data, the distribution that *ceckeol* belongs to would fit well. The only clear example among the figures is f102v2 #4 Blue Vitriol, i.e. copper sulfate. Its label *okeos* is compatible with insect bites, one of its known uses.
Lice/Flea/Scabies Block	The consecutive f87r-v and f90r1-f96v, which contain an unusual number of remedies for the bites of these insects. In the midst of these the consecutive folios f94r Moonwort, f94v Orris Root and f95r1 Bearberry are more oriented towards beautification uses.
Liquid Ingredient/Modifier Hierarchy	A distribution intersecting the y-Base adjectives that are heavily oriented towards liquid ingredients, such as *ceey* as *water* and c | c[s | fptk] + e^{0-4}y intersecting such complex liquid additives and solvents as wine/ethanol, methanol, vinegar and potentially honey.
low-Levenshtein sequence	Phrases consisting of repetitions and near-repetitions.
Minimal Connective Length Principle	The tendency in natural languages for connectives to be represented by short words. There are obvious exceptions, such as *nosotros*.
Mushroom Separators	A nickname given to a labeled object type on f70r1.
nymph	The human figures depicted in the Voynich Manuscript, all but a couple of which are obviously female. Most of the labels pertain to remedy types dispensed under particular conditions implied by the diagrams.
o-Base	Any word containing the letter o (or a y-substitution thereof), which defines membership in the set of nouns.
Opening Address	The single folio f1r. Some of the backmatter was included with this in a Section 0 in some statistical tests.
page run	A set of consecutive or nearly consecutive folios.
paragraph label	Right-justified text sequences exhibiting a distinct grammar that appear after some Voynich paragraphs.
particle model	An encoding system characterized by whole words whose underlying polygraphs have little to no relation to each other. For example, the 1st 4 letters of *candle* and *candy* are not intended to convey any common information. English is a clear example of a particle system. The Voynich script has very few particles, which are no more than 2 letters long.
pharmacological section	Section 4, comprising f88r-f89v1 and f99r-f102v1. The makeup differed slightly in some in versions prior to #29
pharmacopeia, the	See *pharmacological section*. This synonym was based on our initial supposition that this section would be dedicated to pharmacological processing topics, which only turned to be partially true.
phytomorph	A Voynich plant. This term originated in the Voynich community to express uncertainty over whether these figures themselves constituted part

	of the encryption scheme, rather than straightforward depictions of ordinary plants.
Pipe/Flow/Queue	State sequence concepts compatible with the [ao][dlrs][ao][dlrsmg] family, which may represent the flow of water and additives through the bathhouse, or queuing of patients within it, depending on their individual problems and appropriate solutions.
Planet/Place Hierarchy	An extension of the odai$^{0-4}$[dlrsmg | n] distribution to include the conjecture that the small *odo* set might represent spatial locations, analogous to the planets occupying positions in the sky.
Poison label	The canister and other objects next to the prone nymph on f66r.
Poisoned Nymph	The prone nymph depicted in f66r.
Problem/Disease	Voynich words derived from [yo][fptk]c- as an extension of the [yo]c- diagnostic criteria. These define the problems to be solved, which are mainly pathologies, particularly of the skin.
Rank Connective Crunch	The tendency in natural languages for connectives to congregate at the peak of frequency lists, displacing theme-specific words.
Remedy-Ingredient List	The most common phrase type in the manuscript, consisting of nouns from the Remedy/Solution Hierarchy followed by herbal, liquid and other ingredient types, some of which may be defined by adjectives. This is in keeping with the consistent Noun → Modifier order.
root words	A stand-alone word at the lowest level of granularity that cannot be broken up further into separate roots and affixes. This is related to the *agglutination limit* in an encoding system not defined by a *particle model*.
Rosette Folio	The 9 pages comprising the diagram portion of the unusually large foldout at the heart of the manuscript. The pages on the opposite side, f85r1-2 and f86v6-3, are also included in Section 6. The term reflects our initial ignorance of the minimal role for Rosettes in this massive diagram, which is more closely associated with astrological concepts and bathhouse chambers.
Rosette section, the	The Rosette Folio and other pages on the reverse side of the foldout, including f85r1-2 and f86v6-3. These were separated from other sections by Version #29.
Section 5	The figureless pages f103r-f116v, in which floral bullets were used by the author as a line spacing guide prior to writing down the accompanying paragraphs.
semantic affix	A polygraph or letter attached to a word that identifies some branch of a semantic classification system, rather than exhibiting a derivational or inflectional function.
semantic ladder	A cryptanalytic strategy based on bootstrapping our way towards identification of semantic hierarchies, by first accounting for the derivational and inflectional functions.
Sensory Hierarchy	A set of Voynich words potentially related to senses beyond the visual, particularly tactile and scent concepts. These could also shade into ingredients like perfumes, which may act as remedies in their own right. These are centered on distributions like e[fptk][yoa], whose poorly defined boundaries intersected other critical sets, thereby degrading the correlations some. The beauty/cleanliness concepts centered on ed[yoa] probably represent the much stronger visual component. There is some uncertainty over how pain integrates into the tactile side. Taste is expected to have little detectable representation and sound perhaps none at all.
set contaminant	Any data point in our fuzzy statistical tests that complicated efforts to forge meaningful interpretations of wider sets, without resort to awkward redefinition of set boundaries.
spanners	A handful of Zodiac and Section 4 labels that seems to span a short neighborhood of dates or phytomorphs, through the use of [fptk]-initiators or short verbs.
Split Verb/Noun-Coding System	A precursor to the final encoding model, in which Voynich words were recognized as being constructed from both nouns and verbs. In the long run, we had to allot some adjective coding as well, despite its rarity in natural languages.
terminator	The final letter, polygraph, word or phrase of an object of lesser granularity at the polygraph, word, phrase, text sequence, page or section levels.
Temperature Hierarchy	A mandatory semantic hierarchy that seems to fit a distribution defined by [fptk]e$^{0-4}$d + y | ai$^{0-4}$[dlrsmg | n] best. We're lacking in correlation data to support that though, because Sections 3 and 5 don't imply such information, nor can it be gleaned from the properties of Voynich plants.
Thematic Length Discrepancy Principle	The tendency in natural languages for words tied to specific topical matter to be of greater length and complexity. To some extent this is the opposite of the Minimal Connective Length Principle.
Time Hierarchy	A mandatory semantic hierarchy that seems to fit distributions defined by [yo][fptk]e$^{0-4}$[yo] and o[fptk]e$^{1-4}$s best. We're lacking in correlation data to support that though, because Sections 3 and 5 don't imply such information, nor can it be gleaned from the properties of Voynich plants. These distributions are strongly ted to Section 2 though, where much of the timing is specified.
Tombstone Nymph	Nickname for the labeled nymphs of f75v.
Visual/Balneological Hierarchy	A distribution based on ed[yoa], which is closely associated with Section 3 and other paragraphs strongly tied to balneological and Venusian beautification topical matter. These include words like *ceedy*, meaning something like *beauty/cleanliness itself* or an ingredient like *soap* capable of producing it. This definition may integrate into a wider *Sensory Hierarchy* family.
widow	See *degenerate clause*. This term is borrowed from typesetting terminology.
y-Base	A word consisting of a single polygraph based on a trailing *y*, without being overridden by o-polygraphs characteristic of the noun set (or y-substitutions thereof) or by defined by -[yo] suffixes. Examples would include *ceey* and *ceedy*.

Appendix D: Equations and Algorithms

My personal goal in this project was to gain experience in applying coding skills to real-world data mining issues. Burnishing my ability to write mathematical notation fell under that rubric. Although I garnered some familiarity with such notation when reading up on particle physics at an early age and later augmented it by translating academic journal articles on neural nets, statistics and set theory into code, I still have trouble with certain subgenres, such as matrix notation. Despite many years of implementing the algorithms of others and home brewing many of my own in VB.Net and T-SQL, I had even less experience actually writing equations myself. When I set out to rectify that, I was unaware of the lack of consistent conventions both across and within academic fields. The surprisingly high degree of flexibility came in handy, however, when I encountered many edge cases among the scores of algorithms requiring translation into equations. I ran out of time to learn linguistics notation, which would have been unfamiliar anyways to specialists in other disciplines that intersect this topic, such as data analysis. Despite having much more familiarity with the latter, I had to consciously study its conventions, many of which I'm still probably ignorant of. Although I'm a novice at this, I sometimes had to come up with my own representations or alter others slightly to suit the needs of the project. I put a premium on keeping things short and sweet, to keep the titanic size of this technical report from swelling any further. One facet of this was to weed out the majority of the algorithms we used, many of which were superseded, discarded, proved useful only as background, or were otherwise not worth representing in the list of tables or accompanying discussions in Vols. I-II. The scores of equations listed here are only a small subset of those we implemented in code (which unfortunately featured very little matrix, neural net or set production notation we needed the most practice in). Another facet was to ruthlessly slash redundancies in the representations. For example, we took the unusual step of condensing all of the major set definitions into the tabular format below, all of which are implemented in the same element → subset → superset order. For example, let $w \in \mathbb{W}$ and $\mathbb{w} \subseteq \mathbb{W}$, where $\mathbb{W}$ is the set of all words in the document; likewise, $tf \in \mathbb{T}^{\mathbb{F}}\{\mathbb{T}^{\circledcirc}, \mathbb{T}^{\circledast 6}, \mathbb{T}^{\sharp 4}, \mathbb{T}^{♀1}, \mathbb{T}^{♀4}, \mathbb{T}^{♀2}, \mathbb{T}^{♀3}, \mathbb{T}^{\star 2}, \mathbb{T}^{☛3}\}$, where tf is an element of any specific figure label type. Technically the double-struck sets are multisets, since some of the elements are repeated. The single-struck subsets are often determined by the context of the discussions. Due to the length of the technical report we felt that inline equations would be a distraction to the reader, hence their isolation in Volume III; one consequence of this is that such *let* syntax[54] is used less frequently here than the reader might surmise. Some of the sets are subject to restrictions appropriate for a document of this kind, such as § $\in\{0\text{-}6\}$ limiting the words, polygraphs or other granularity levels to 1 or more of the 7 document sections. Another common restriction is by pages or sets thereof defined by rv = {f1r-f116v}, where *rv* represents recto/verso. Sequences and specific positions within them can often by ascertained through common sense, such as t_5 pertaining to the 5th text sequence within a set, or tp_4 as the 4th paragraph of an individual folio. To simplify things we avoided the use of the term *tuple*; technically, individual text sequences are tuples of words, phrases are tuples of words and phrases of lesser length, polygraphs are tuples of symbols and polygraphs of lesser length and words are tuples of symbols. We break with convention here and index the 1st item in every tuple at 1 rather than 0, to avoid complicating simple concepts *like the first word on the page* for readers without a background in set notation. The last element is always denoted by L for last, or *lim* (i.e. limit) when a notation collision might occur with *length*. These first and last elements are often referred to here as *initiators* and *terminators*, as discussed in the last appendix. These sets and ordinal positions might be combined in a rich variety of ways, such as t^{w1}, t^{wL} as the initiating and terminating words of a particular text sequence, w_{s4} as the 4th symbol in a word, or $\mathbb{T}_N^{w35}$ as the count of all text sequences with a word at ordinal position 35.

Another reason we settled on L and *lim* is that in some conventions, an ordered series ending in *n* like $1 \ldots N$ or $\sum_{i=1}^{n}$ could easily lead to confusion with subscripts |N| or N as distinct or set counts. Typically |A| would be employed in set theory for distinct cardinality, but the letter switch would probably lead to confusion with the item counts, which are often represented together. Simple stats like those listed in Table 33.2 are often represented by subscripts and superscripts. It is also quite common, for example, to represent *length* by L. Sometimes these can be combined together for sets that have natural divisions by length, such as phrases and polygraphs; for example, $\mathbb{P}_N^{L=2}$ represents the document-wide count of all polygraphs of length = 2, while $\mathbb{W}_{|N|}^{L=3}$ is the distinct count of all words of length = 3. Other common stats like population mean and standard deviation are represented by standard symbols like μ and σ. We did not find a use for the sample variance or sample means, which would ordinarily be overlined. The extrema are denoted in the ordinary way by *min*, *max* or *lim*, apart from the initiator and terminator exceptions discussed above. On occasion it proved useful to define ranks and ranges based on some of these statistics, such as the calculation of a mean length for words in the Top 100 based on document counts, as in $\mathbb{W}_{N=\{\#1-100\}}^{\mu L}$. Due to the complexity of representing subsequences in terms of permutations of symbol sets within words, we employ a custom operator to ↬ denote that the prior variable is a substring of the 2nd. This was chosen for its resemblance to ↪, which is occasionally used to indicate epimorphisms in Category Theory. We employ ⇌ to indicate polygraph or symbol substitution, in keeping with reversible operations in chemistry notation.

Whenever possible we omitted explicit statements of specialized but common algorithms like Sukhotin scores, Zipf slopes and the Indexes of Coincidence, Agglutination and Synthesis, which can be found in many references. The use of *m* and *Z* to indicate Zipf slopes is consistent with the use of *m* as a convention for slopes; we decided against using mZ subscripts due to possible confusion across the symbol, polygraph, word and phrase levels of granularity. We were also able to omit equations for some simple Decision Theory measures like $\mathbb{F}_{ID}$ and $\mathbb{F}_{Toxicity}$ that were set subjectively on ranges of 0-1. The w^N "noun scores" were also assigned rather than calculated. Similar scores for other parts of speech turned out to be unnecessary and were discarded. Some of the most useful measures we devised were stochastic distances derived from comparisons of empirical vs. expected probabilities. The former is defined by the common P' prime notation, with a crucial difference: to avoid confusion with polygraphs and phrases, we omit the P. We considered working around this by changing $\mathbb{P}\mathbb{h}$ and its kin to MWE (Multi-Word Expression) but decided that terminology would be too obscure and possibly unintuitive for many readers. We thus end up with expressions like $w'_{L=6}$ as the empirical probability of a single word among the set of words at length = 6. Empirical probabilities in this context would of course sum to 1, rendering them easily translatable into actual percentages. The term *actual* was used interchangeably with *empirical* in our code. In keeping with convention, E_N represents the expected count. This requires specifying a level of granularity, as in $E(w_N)$, which would be the expected document count of a particular word. Ordinarily, E(x) would represent the expected value of some variable *x*, but in our context, E(p) would return a specific polygraph. To maintain consistency with this pattern, we standardized our probability differences using prime notation in combination with E, as in w' - E(w). In the same vein, $w_N - E(w_N)$ would represent a subtraction of the expected document count of a particular word (based on some underlying algorithm) from the actual value. In many cases these were interpreted as affinity measures, designated by a subscript *A*. Much of the structure of the encoding scheme was revealed by applying judicious restrictions upon the sets used in these probabilistic measures. This nevertheless led to some really unwieldy but unavoidable definitions of those restrictions in the notations, such as $w'^{\{fptk\}}_{(CMC\,|\,CM)} - E(w^{\{fptk\}}_{(CMC\,|\,CM)})$, which is the difference between the empirical and expected probabilities of {fptk} appearing as initiators in clause marker clusters, given their known participation rates in those clusters. Representing these complex set definitions in a readable notation proved to be a challenge for this novice, but it was a challenge that couldn't go unanswered, because this is where the gold in our data mine resided.

Table 33.1: Set Definitions Employed in the Equation Notation

Level of Granularity	Element	Subset	Document-Wide
Symbol	s	$\mathbb{s}$	$\mathbb{S}$
Polygraph	p	$\mathbb{p}$	$\mathbb{P}$
Word	w	$\mathbb{w}$	$\mathbb{W}$
Phrase	ph	$\mathbb{ph}$	$\mathbb{Ph}$
Clause	cl	$\mathbb{cl}$	$\mathbb{CL}$
Figure	f	$\mathbb{f}$	$\mathbb{F}$
Text Sequence	t	$\mathbb{t}$	$\mathbb{T}$
Text Sequence	t^{ℓ}	$\mathbb{t}^{\ell}$	$\mathbb{T}^{\ell}$
Paragraphs (using the universally recognized pilcrow sign)	$t^{¶}$	$\mathbb{t}^{¶}$	$\mathbb{T}^{¶}$
Paragraph Label	$t^{¶\mathbb{l}}$	$\mathbb{t}^{¶\mathbb{l}}$	$\mathbb{T}^{¶\mathbb{l}}$
Figure Label	t^{f}	$\mathbb{t}^{f}$	$\mathbb{T}^{F}$
Text Ring	$t^{\odot}$	$\mathbb{t}^{\odot}$	$\mathbb{T}^{\odot}$
Rosette Figure Label (Section 6)	$t^{\circledast 6}$	$\mathbb{t}^{\circledast 6}$	$\mathbb{T}^{\circledast 6}$
Canister (Staff of Aesculapius)	$t^{\S 4}$	$\mathbb{t}^{\S 4}$	$\mathbb{T}^{\S 4}$
Herbal Phytomorph Label (Section 1)	$t^{\text{♀}1}$	$\mathbb{t}^{\text{♀}1}$	$\mathbb{T}^{\text{♀}1}$
Pharmacological Phytomorphs (Section 4)	$t^{\text{♀}4}$	$\mathbb{t}^{\text{♀}4}$	$\mathbb{T}^{\text{♀}4}$
Cosmological Nymph Labels (Section 2)	$t^{♀2}$	$\mathbb{t}^{♀2}$	$\mathbb{T}^{♀2}$
Balneological Nymph Labels (Section 3)	$t^{♀3}$	$\mathbb{t}^{♀3}$	$\mathbb{T}^{♀3}$
Non-Nymph Figure Captions in Section 2	$t^{☆2}$	$\mathbb{t}^{☆2}$	$\mathbb{T}^{☆2}$
Non-Nymph Figure Captions in Section 3	$t^{\text{☛}3}$	$\mathbb{t}^{\text{☛}3}$	$\mathbb{T}^{\text{☛}3}$

Table 33.2: Common Set Statistics Represented by Subscripts and Superscripts

	Examples	Details
Count	$\mathbb{W}_{N}$	The count of all words in the document
Distinct Count	$w_{\lvert N\rvert}$	Distinct count of a single word
Length	w_{L}, t_{L}^{W}	Word length in terms of symbols, text sequence word length
Mean Length	$\mathbb{W}_{L}^{\mu}$	Mean length of all words at a specified length
Median Length	$\mathbb{W}_{L}^{\eta}$	Median length of all words at a specified length
Page Affinity	$s_{A}^{rv=\{f1r-f116v\}}$	Affinity for a specific page for single symbol or other granularity level, where rv = recto/verso
Max Page Affinity	$_{\max}s_{A}^{rv=\{f1r-f116v\}}$	Maximum page affinity for a single symbol across a range of pages
Section Affinity	$p_{A}^{\S\in\{0-6\}}$	Affinity score for a single polygraph for a particular document section
Rank	$\mathbb{W}_{N=\{\#1-100\}}$	The set of words with counts of rank #1-100
Empirical Probability	$p'_{L=3}$	Document-level probability for polygraphs, i.e. The % of the document, at polygraph length 3
Zipf Slope	$\mathbb{Ph}_{m}^{Z}$	Zipf slope for the full phrase set
Sukhotin Score	s_{S} , $s_{S}^{\{1,3\}}$	Sukhotin score for a single symbol, limited to sections 1 and 3 in the 2nd case
Part of Speech	$w^{G=\mathrm{N}}$	The grammatical category assigned to a word, in this case Noun status
Identification Score	$\mathbb{F}_{ID}$	Subjective assignment of identification scores to plants, in increments of 0.2, on a range of 0-1
Figure Property Score	$\mathbb{F}_{Toxicity}> 0$	The named property scored subjectively on a fuzzy set range in cases like Toxicity (in others assigned in Boolean scale), which required no calculations

Section Affinity Scores for Symbols, Words, Polygraphs and Phrases ($s_{A}^{\S\in\{0-6\}}$, $p_{A}^{\S\in\{0-6\}}$, $w_{A}^{\S\in\{0-6\}}$, $ph_{A}^{\S\in\{0-6\}}$) **(eqs. 1-4)**

$$s_{A}^{\S\in\{0-6\}} = \frac{s_{N}^{\S\in\{0-6\}} - \mathrm{E}(s_{N}^{\S\in\{0-6\}}}{\mathbb{S}_{N}^{\S\in\{0-6\}}}$$

where

$\mathrm{P}(s^{\S\in\{0\text{-}6\}}) = \frac{\mathbb{S}_{N}^{\S\in\{0-6\}}}{\mathbb{S}\mathrm{N}}$ = The probability of any symbol appearing in the specified section

$\mathrm{E}(s_{N}^{\S\in\{0-6\}}) = s_{\mathrm{N}} * \mathrm{P}(s^{\S\in\{0\text{-}6\}})$ = The expected count of a particular symbol within a specified section

The formulas are identical for words, polygraphs and phrases, except for the substitution of $\mathbb{W}$/w, $\mathbb{P}$/p and $\mathbb{Ph}$/ph.

Affinity Scores for Individual Figure Types at the Levels of Symbols, Words, Polygraphs and Phrases (s_{A}^{tf}, p_{A}^{tf}, w_{A}^{tf}, ph_{A}^{tf}) **(eqs. 5-8)**

$$s_{A}^{tf} = \frac{s_{N}^{tf} - \mathrm{E}(s_{N}^{tf}}{\mathbb{S}_{N}^{tf}}$$

where

$\mathrm{tf} \in \mathbb{T}^{F}\{\mathbb{T}^{\odot}, \mathbb{T}^{\circledast 6}, \mathbb{T}^{\S 4}, \mathbb{T}^{\text{♀}1}, \mathbb{T}^{\text{♀}4}, \mathbb{T}^{♀2}, \mathbb{T}^{♀3}, \mathbb{T}^{☆2}, \mathbb{T}^{\text{☛}3}\}$ = Identifier for 1 of the distinct figure label types

s_{N}^{tf} = The empirical count of a particular symbol in a selected figure label type

$\mathbb{S}_{N}^{tf}$ = The count of all symbols in a selected figure label type

$\mathrm{P}(s^{tf}) = \frac{\mathbb{S}_{N}^{tf}}{\mathbb{S}_{N}}$ = The probability of any symbol appearing in the specified figure label type

$\mathrm{E}(s_{N}^{tf}) = s_{\mathrm{N}} * \mathrm{P}(s^{tf})$ = The expected count of a particular symbol within a specified figure label type

The formulas are identical for words, polygraphs and phrases, except for the substitution of $\mathbb{W}$/w, $\mathbb{P}$/p and $\mathbb{Ph}$/ph.

Figure Affinity Scores for Symbols, Words, Polygraphs and Phrases ($s_A^{\mathbb{TF}}$, $p_A^{\mathbb{TF}}$, $w_A^{\mathbb{TF}}$, $ph_A^{\mathbb{TF}}$) **(eqs. 9-12)**

$$s_A^{\mathbb{TF}} = \frac{s_N^{\mathbb{TF}} - \mathrm{E}(s_N^{\mathbb{TF}}}{\mathbb{S}_N^{\mathbb{TF}}}$$

where
$\mathbb{TF}$ = the set of all figure labels
$s_N^{\mathbb{TF}}$ = The empirical count of a particular symbol in any figure label type
$\mathbb{S}_N^{\mathbb{TF}}$ = The count of all symbols in any figure label type
$\mathrm{P}(s^{\mathbb{TF}}) = \frac{\mathbb{S}_N^{\mathbb{TF}}}{\mathbb{S}_N}$ = The probability of any symbol appearing in any figure label type
$\mathrm{E}(s_N^{\mathbb{TF}}) = s_N * \mathrm{P}(s^{\mathbb{TF}})$ = The expected count of a particular symbol within any figure label type

The formulas are identical for words, polygraphs and phrases, except for the substitution of $\mathbb{W}$/w, $\mathbb{P}$/p and $\mathbb{Ph}$/ph.

Symbol Initiator and Terminator Scores ($s_{\mathbb{W}}^1$) and ($s_{\mathbb{W}}^L$) at the Word Level (or Limited to Sections in $s_{w\,\S\in\{0-6\}}^{1\,|\,L}$) **(eqs. 13-14)**

$$s_{\mathbb{W}}^1 = \frac{\mathbb{W}_N^{1=s} - \mathrm{E}(\mathbb{W}_N^{1=s})}{\mathbb{W}_N^1}$$

where
$\mathbb{W}_N^1$ = The count of all symbols appearing in the 1st words of all text sequences, i.e. the initiator count at the symbol + text sequence level of granularity
$\mathrm{P}(\mathbb{W}^{1=\mathbb{S}}) = \frac{\mathbb{W}_N^1}{\mathbb{S}_N}$ = The expected probability of any symbol appearing 1st in any word, i.e. the initiator expected probability for all symbols. Limit these to $\S \in \{0-6\}$ for sectional scores
$\mathrm{E}(\mathbb{W}_N^{1=s}) = s_N * \mathrm{P}(\mathbb{W}^{1=\mathbb{S}})$ = The expected initiator count of a particular symbol at the word level
$\mathbb{W}_N^{w1=s}$ = The actual document-wide count of a particular symbol appearing 1st in any word, i.e. the "actual initiator count"

The formulas are identical for $\mathbf{s_{wL}}$, except that the terminator counts w^L are substituted for w^1.

Symbol Initiator and Terminator Scores ($s_{\mathbb{T}}^1$) and ($s_{\mathbb{T}}^L$) at the Text Sequence Level **(eqs. 15-16)**

$$s_{\mathrm{I}} = \frac{\mathbb{T}_N^{w1=s} - \mathrm{E}(\mathbb{T}_N^{w1=s})}{\mathbb{T}_N^{w1}}$$

where
$\mathbb{T}_N^{w1}$ = The count of all symbols appearing in the 1st words of all text sequences, i.e. the initiator count at the symbol + text sequence level of granularity
$\mathrm{P}(\mathbb{T}^{w1=\mathbb{S}}) = \frac{\mathbb{T}_N^{w1}}{\mathbb{S}_N}$ = The expected probability of any symbol appearing 1st in any text sequence, i.e. the initiator expected probability for all symbols
$\mathrm{E}(\mathbb{T}_N^{w1=s}) = s_N * \mathrm{P}(\mathbb{T}^{w1=\mathbb{S}})$ = The expected initiator count of a particular symbol
$\mathbb{T}_N^{w1=s}$= The actual document-wide count of a particular symbol appearing 1st in any text sequence, i.e. the "actual initiator count"

The formulas are identical for s^L, except that the terminator counts w^L are substituted for w^1. The calculation could have been alternately specified via the use of:

$\mathrm{P}(\mathbb{T}^{w1=s}) = \frac{s_N}{\mathbb{T}_N^{w1}}$ – The expected probability of a particular symbol appearing 1st in any text sequence, i.e. the initiator expected probability for a particular symbol
$\mathrm{P}'(s) = \frac{s_N}{\mathbb{S}_N}$ = The document-wide empirical probability of a particular symbol appearing at any point in the text

Symbol Initiator and Terminator Scores at the Level of Individual Figure Types (s_{tf}^1 and s_{tf}^L), Paragraphs ($s_{\mathbb{T}\P}^1$ and $s_{\mathbb{T}\P}^L$) , Paragraph Labels ($s_{\mathbb{T}\P\|}^1$ and $s_{\mathbb{T}\P\|}^L$) and Text Rings ($s_{\mathbb{T}\circledcirc}^1$ and $s_{\mathbb{T}\circledcirc}^L$) **(eqs. 17-24)**

$$s_{tf}^1 = \frac{tf_N^{w1=s} - \mathrm{E}(tf_N^{w1=s})}{tf_N^{w1}}$$

where
$tf \in \mathbb{T}^{\mathbb{F}}\{\mathbb{T}^{\odot}, \mathbb{T}^{\circledast 6}, \mathbb{T}^{\$4}, \mathbb{T}^{\circledcirc 1}, \mathbb{T}^{\circledcirc 4}, \mathbb{T}^{\circledcirc 2}, \mathbb{T}^{\circledcirc 3}, \mathbb{T}^{\star 2}, \mathbb{T}^{\bar{\bar{\bar

$\mathbb{T}^{¶}$- Set of all paragraphs, using the universally recognized pilcrow sign
$\mathbb{T}^{¶_l}$- Set of all paragraph labels
$\mathbb{T}^{\odot}$ - Set of all text ring labels
tf_N^{w1} = The count of all symbols appearing in the 1st words of the caption of the specified type, i.e. the initiator count at the symbol + figure subtype level of granularity
$P(tf^{w1=\mathbb{S}}) = \frac{tf_N^{w1}}{\mathbb{S}_N}$= The expected probability of any symbol appearing 1st in a caption of the specified type, i.e. the initiator expected probability for all symbols
$E(tf_N^{w1=s}) = s_N * P(tf^{w1=\mathbb{S}})$ = The expected initiator count of a particular symbol
$tf_N^{w1=s}$= The actual document-wide count of a particular symbol appearing 1st in a caption of the specified type, i.e. the "actual initiator count"

The formulas are identical for s_{tf}^{L}, except that the terminator counts w^L are substituted for w^1. The calculations are also identical for paragraphs, paragraph labels and text rings.

Symbol Initiator and Terminator Scores ($s_{\mathbb{TF}}^{1}$ and $s_{\mathbb{TF}}^{L}$) for All Figure Types **(eq. 25-26)**

$$s_{\mathbb{TF}}^{1} = \frac{\mathbb{TF}_N^{w1=s} - E(\mathbb{TF}_N^{w1=s})}{\mathbb{TF}_N^{w1}}$$

where

$\mathbb{TF}_N^{w1}$ = The count of all symbols appearing in the 1st words of all captions, i.e. the initiator count at the symbol + figure level of granularity
$P(\mathbb{TF}^{w1=\mathbb{S}}) = \frac{\mathbb{TF}_N^{w1}}{\mathbb{S}_N}$ = The expected probability of any symbol appearing 1st in any caption, i.e. the initiator expected probability for all symbols
$E(\mathbb{TF}_N^{w1=s}) = s_N * P(\mathbb{TF}^{w1=\mathbb{S}})$ = The expected initiator count of a particular symbol
$\mathbb{TF}_N^{w1=s}$= The actual document-wide count of a particular symbol appearing 1st in any caption i.e. the "actual initiator count"

The formulas are identical for $s_{\mathbb{TF}}^{L}$, except that the terminator counts w^L are substituted for w^1.

Paragraph-Level Initiator and Terminator Differentials with Sectional Affinities at the Symbol Level (in Tables 6.1-2) **(eq. 27-28)**

$$\frac{s_{\mathbb{T}¶}^{\{1,L\}}}{s_A^{§\in\{0-6\}}}$$

where

$s_{\mathbb{T}¶}^{\{1,L\}}$ = The Paragraph Initiator or Terminator Score for a particular symbol
$s_A^{§\in\{0-6\}}$ = The affinity score for a single symbol for a particular section

Section-Level Initiator and Terminator Differences with Sectional Affinities at the Symbol Level (in Tables 6.3-4) **(eq. 29-30)**

$$s_A^{¶\{1,L\}\ \wedge\ §\in\{0-6\}} - s_A^{§\in\{0-6\}}$$

where

$s_A^{¶\{1,L\}\ \wedge\ §\in\{0-6\}}$ = The paragraph initiator or terminator score for a single symbol in a particular section
$s_A^{§\in\{0-6\}}$ = The affinity score for a single symbol for a particular section

Page Affinity Differences from Sectional Affinities at the Symbol, Polygraph, Word and Phrases Levels **(eqs. 31-34)**

$$s_A^{rv=\{f1r-f116v\}} - s_A^{§\in\{0-6\}}$$

where

$rv = \{f1r - f116v\} \in § \in \{0\text{-}6\}$
$P(s^{rv}) = \frac{\mathbb{S}_N^{rv}}{\mathbb{S}_N}$ = The probability of any symbol appearing in the specified page
$E(s_N^{rv\}}) = s_N * P(s^{rv})$ = The expected count of a particular symbol within a specified page
$s_A^{rv=\{f1r-f116v\}} = \frac{s_N^{rv} - E(s_N^{rv})}{\mathbb{S}_N^{rv}}$ = The affinity score for a particular symbol within a specified page

$s_A^{\S \in \{0-6\}}$ = The affinity score for a single symbol for the section that page belongs to

The formulas are identical for words, polygraphs and phrases, except for the substitution of $\mathbb{W}$/w, $\mathbb{P}$/p and $\mathbb{Ph}$/ph.

Special Function Scores for Words (w_{SF}) and Polygraphs (p_{SF}) **(eqs. 35-36)**

$$w_{SF} = \frac{1}{1 + e^{m * (Offset - 0.2)}} * Max(w_A^{rv})$$

where

$Max(w_A^{rv=\{f1r-f116v\}})$ = The maximum page specificity score for a selected word
m = A user-specified slope parameter to the logistic function, designed to make the results more readable
Offset = A user-specified parameter to the logistic function

The formulas are identical for polygraphs and phrases, except for the substitution of $\mathbb{P}$/p and aggregation across identical lengths.

Single Decipherment Scores for Words (w_{SD}) and Polygraphs (p_{SD}) **(eq. 37-38)**

$$w_{SD} = \frac{1 - wN}{Max(wN \in \mathbb{W})} * (1 - \frac{1}{1 + e^{m * (wL - Offset)}})$$

where

m = A user-specified slope parameter to the logistic function, designed to make the results more readable
Offset = A user-specified parameter to the logistic function
$Max(w_N \in \mathbb{W})$ = The maximum document count for any word, i.e. the w_N of the most common word

The formulas are identical for polygraphs and phrases, except for the substitution of $\mathbb{P}$/p and aggregation across identical lengths.

General Usage Score for Words (w_{GU}) **(eq. 39)**

$$w_{GU} = (1 - w_{SF}) * (1 - w_{SD}) * (1 - \frac{1}{1 + e^{m * (wN - Offset)}})$$

where

m = A user-specified slope parameter to the logistic function, designed to make the results more readable
Offset = A user-specified parameter to the logistic function

Symbol Improbability $w_{\Pi(1-s')}$, Purity Scores for Unusual Symbols (w_{Purity}) and Composite Rarity Scores (w_{CR}) at the Word Level **(eqs. 40-42)**

$\prod_{s1...L} 1 - s'$ = Symbol Improbability per Word
$w_{Purity} = \frac{w_{\Pi(1-s')}}{w_L}$ = The purity score to weight unusual symbols within a word
$w_{CR} = (1 - \frac{w_N}{\mathbb{W}_N}) * w_{Purity}$

where

$s \in w$ = The symbol is an element in the selected word
$s' = \frac{s_N}{\mathbb{S}_N}$ = The empirical probability of the symbol appearing in the document
$1 - \frac{w_N}{\mathbb{W}_N}$ = The inverse empirical probability of the selected word (a document frequency penalty)

Intermediate Page Specificity Score for Words (w_S^{rv}) **(eq. 43)**

$$w_S^{rv} = w_{CR} * Max(w_A^{rv=\{f1r-f116v\}})$$

where

$Max(w_A^{rv=\{f1r-f116v\}})$ = The maximum page specificity score for a selected word

Expected Polygraph Count $E(p_n)$ for the Entire Document **(eq. 44)**

$$E(p_n) = \prod_{s1...L} s' * \mathbb{P}_N^L$$

where

$s \in p$ = The symbol is an element in the selected polygraph

$s' = \frac{s_N}{\mathbb{s}_N}$ = The empirical probability of the symbol appearing in the document
$\mathbb{p}_N^L$ s.t. $L = p_L$ = The count of all polygraphs at the length of the selected polygraph

Root (w_R), Compound (w_C) and Compound Root (w_{CRoot}) Scores for Words **(eqs. 45-47)**

$$w_R = \begin{cases} 1, w \in wL = 1 \\ 0 \end{cases}$$

$$w_C = \begin{cases} -1, w \in wL = 1 \mid w \notin \mathbb{w}cc \\ \frac{w_N^1 + w_N^2 - \mathrm{Min}(\mathbb{w}_N^1 + \mathbb{w}_N^2)}{\mathrm{Max}(\mathbb{w}_N^1 + \mathbb{w}_N^2) - \mathrm{Min}(\mathbb{w}_N^1 + \mathbb{w}_N^2)} \end{cases}$$

$$w_{CRoot} = \begin{cases} -1, w \in wL = 1, w \notin [\mathrm{dlrsmg} \mid \mathrm{yo}], w \notin \mathbb{w}cc \\ \frac{\mathbb{w}_N^{1+2} - \mathrm{Min}(\mathbb{w}_N^{1+2})}{\mathrm{Max}(\mathbb{w}_N^{1+2}) - \mathrm{Min}(\mathbb{w}_N^{1+2})} \end{cases}$$

where

$w \in \mathbb{w}_{cc} = \{w_R^1 > -1, w_C <> -1, w_R^2 > -1, w \rightsquigarrow w^1, w^2\}$ = The selected word is drawn from the set of compound candidates, as a subsequence of 2 longer words meeting the specified conditions
$w_N^1, w_N^2, w_{|N|}^1, w_{|N|}^2$ = The document and distinct counts of the words that the selected word is a subsequence of
$\mathbb{w}_N^{1+2} = \sum w_N^1 + \sum w_N^2$ = Combined sums of the counts of the matching words on each side of the join operations

Base Prefix ($p_{PrefixB}$), Base Suffix ($p_{SuffixB}$) and Base Root (p_{RB}) Scores for Polygraphs **(eqs. 48-50)**

$$p_{PrefixB} = \frac{p_N^{Prefix} - \mathrm{E}(p_N^{Prefix})}{\mathbb{p}_N^L}$$

where

$\mathbb{p}^{Prefix}$ = The set of all polygraphs appearing at the beginnings of words, i.e. as prefixes in the broadest sense
$P(p^{Prefix}) = \frac{\mathbb{p}_N^{Prefix}}{\mathbb{p}_N^L}$ = The probability of any polygraph of the specified length acting as prefix
$\mathrm{E}(p_N^{Prefix}) = p_N * P(p^{Prefix})$ = The expected count of a particular polygraph acting as a prefix
p_N^{Prefix} = The empirical count of instances where the selected polygraph actually appears in a prefix position

The formulas are identical for suffixes, except they're obviously taken from word endings

Adfixed Word (w_{AdW}) and Adfixed Root (w_{AdR}) Scores **(eqs. 51-52)**

$$w_{AdR} = \begin{cases} -1, w \in wL = 1, w \notin [\mathrm{dlrsmg} \mid \mathrm{yo}], w \notin \mathbb{w}_{AdC} \\ \frac{\mathbb{w}_N^1 - \mathrm{Min}(\mathbb{w}_N^1)}{\mathrm{Max}(\mathbb{w}_N^1) - \mathrm{Min}(\mathbb{w}_N^1)} \end{cases}$$

$$w_{AdW} = \begin{cases} -1, w \in wL = 1 \mid w \notin \mathbb{w}_{AdC} \\ \frac{\Phi_N^1 - \mathrm{Min}(\Phi_N^1)}{\mathrm{Max}(\Phi_N^1) - \mathrm{Min}(\Phi_N^1)} \end{cases}$$

where

$w \in \mathbb{w}_{AdC} = \{w_R^1 <> -1, w_C = -1, w^1 \rightsquigarrow w\}$ = The selected word is drawn from the set of adfixed word candidates, where the root candidate targeted by adfixes is a subsequence
$\Phi_N^1 = \sum w_N^1 + (p_N * (p_{PrefixB} \mid p_{SuffixB}))$ = Function derived from the prefix or suffix score where $p = w^1$ (i.e. the polygraph matching the root word candidate), weighted by the polygraph and word document counts
$w_N^1, w_{|N|}^1$ = The document and distinct counts of the words that the selected word is a supersequence of
$\mathbb{w}_N^{1+2} = \sum w_N^1 + \sum w_N^2$ = Combined sums of the counts of the matching words on each side of the join operations

Base Circumfix-Prefix and Circumfix-Suffix ($p_{CircumfixPrefixB}$, $p_{CircumfixSuffixB}$) at the Polygraph Level, Circumfixed Word Score ($w_{CircumfixW}$) and Circumfix Root Score at the Word Level ($w_{CircumfixR}$) **(eqs. 53-56)**

$$w_{CircumfixR} = \begin{cases} -1, w \in wL = 1, w \notin [\mathrm{dlrsmg} \mid \mathrm{yo}], w \notin \mathbb{w}_{CircumfixC} \\ \frac{\mathbb{w}_N^1 - \mathrm{Min}(\mathbb{w}_N^1)}{\mathrm{Max}(\mathbb{w}_N^1) - \mathrm{Min}(\mathbb{w}_N^1)} \end{cases}$$

$$w_{CircumfixW} = \begin{cases} -1, w \in wL = 1 \mid w \notin \mathbb{w}_{CircumfixC} \\ \frac{\Phi_{WN}^{Circumfix} - \mathrm{Min}(\Phi_{WN}^{Circumfix})}{\mathrm{Max}(\Phi_{WN}^{Circumfix}) - \mathrm{Min}(\Phi_{WN}^{Circumfix})} \end{cases}$$

$$p_{CircumfixPrefixB} \mid p_{CircumfixSuffixB} = \sum \frac{\psi_P^{Circumfix} - \mathrm{Min}(\psi_P^{Circumfix})}{\mathrm{Max}(\psi_P^{Circumfix}) - \mathrm{Min}(\psi_P^{Circumfix})}) * p_N^{Circumfix} * p_{|N|}^{Circumfix}$$

where

$w \in \mathbb{w}_{CircumfixC} = \{w_{CRoot}^1 <> -1, w_{AdfixR}^1 <> -1, w^1 = p^1 + w + p^L\}$ = The selected word is drawn from the set of circumfix word candidates, where the root candidate targeted by adfixes is a subsequence
$\Phi_{WN}^{Circumfix} = \sum w_N^1 * \frac{p_{PrefixB}^1 + p_{SuffixB}^L}{2}$ = Function derived from the sums of the prefix and suffix scores where $p^1 + w^1 + p^L = w$, where the w^1 is the root, p^1 and p^L are the prefix and suffix combination and w is the word derived from the circumfix

w_N^1 = The document count of the words that the selected word is a supersequence of
$p_{CircumfixN}^{1,L}$ = The count of circumfixes instances for a distinct pair of prefix and suffix polygraphs
$\psi_P^{Circumfix} = ((p_N^1 * p_{PrefixB}^1) + (p_N^L * p_{SuffixB}^L)) * p_{CircumfixN}^{1,L}$ = Intermediate function used in the calculation of the circumfix-prefix and circumfix-suffix scores
$p_N^{Circumfix}$ = The combined count of circumfix candidates that polygraph participates in
$p_{|N|}^{Circumfix}$ = The count of distinct circumfix candidates that polygraph participates in

Base Interfix Scores for Symbols ($s_{InterfixB}$) and Polygraphs ($p_{InterfixB}$), Interfixed Word Score ($w_{InterfixW}$) and Interfix Root Score at the Word Level ($w_{InterfixR}$) **(eqs. 57-60)**

$$w_{InterfixR} = \begin{cases} -1, w \notin \mathbb{w}_{InterfixC} \\ \frac{w_{InterfixedN}^1 + w_{InterfixedN}^2) - \mathrm{Min}(\mathbb{w}_{InterfixedN}^1 + \mathbb{w}_{InterfixedN}^2)}{\mathrm{Max}(\mathbb{w}_{InterfixedN}^1 + \mathbb{w}_{InterfixedN}^2) - \mathrm{Min}(\mathbb{w}_{InterfixedN}^1 + \mathbb{w}_{InterfixedN}^2)} \end{cases}$$

$$w_{InterfixW} = \begin{cases} -1, w \notin \mathbb{w}_{InterfixC} \\ \frac{\Phi_{WN}^{Interfix} - \mathrm{Min}(\Phi_{WN}^{Interfix})}{\mathrm{Max}(\Phi_{WN}^{Interfix}) - \mathrm{Min}(\Phi_{WN}^{Interfix})} \end{cases}$$

$$p_{Interfix\,|\,S_{Interfix}} = \frac{\psi_{P\,|\,S}^{Interfix} - \mathrm{Min}(\psi_{P\,|\,S}^{Interfix})}{\mathrm{Max}(\psi_{P\,|\,S}^{Interfix}) - \mathrm{Min}(\psi_{P\,|\,S}^{Interfix})}$$

where
$w \in \mathbb{w}_{InterfixC} = \{w = w^1 + s \mid p + w^2\}$ = The selected word is drawn from the set of Interfix word candidates
$\Phi_{WN}^{Interfix} = \sum(w_N^1 * R_S) + (w_N^2 * R_S)$ = Intermediate root score term
$Root_S = \begin{cases} p_{RootB}, p_{RootB} <> 0 \mid w = w^1 + s + w^2 \\ 1 \end{cases}$ = Intermediate root score term
w_N^1, w_N^2 = The document counts of the words that the selected word is a supersequence of
$\psi_{P\,|\,S}^{Interfix} = p \mid s_{WN}^{Interfix} * p \mid s_{W|N|}^{Interfix} * \sum \frac{Interfix_S - \mathrm{Min}(Interfix_S)}{\mathrm{Max}(Interfix_S) - \mathrm{Min}(Interfix_S)}$
$w_{InterfixedN}^1, w_{InterfixedN}^2$ = The document counts of the interfixed word products that w^1 or w^2 participate in
$p \mid s_N^{Interfix}$ = The count of interfixes that polygraph or symbol participates in
$p \mid s_{WN}^{Interfix}$ = The combined count of interfixed word candidates that polygraph or symbol participates in
$p \mid s_{W|N|}^{Interfix}$ = The count of distinct interfixed word candidates that polygraph or symbol participates in
$Interfix_S = p_N \mid s_N * Root_S * p \mid s_N^{Interfix}$ = Term used in the interior min-max normalization input to the polygraph or symbol interfix scores

Base Duplifix Scores for Symbols ($s_{DuplifixB}$) and Polygraphs ($p_{DuplifixB}$), Duplifixed Word Score ($w_{DuplifixW}$) and Duplifix Root Score at the Word Level ($w_{DuplifixR}$) **(eqs. 61-64)**

$$w_{DuplifixW} = \begin{cases} \frac{w_{Duplifixed}^{RootN} - Min(w_{Duplifixed}^{RootN})}{Max(w_{Duplifixed}^{RootN}) - Min(w_{Duplifixed}^{RootN})} \\ -1, w \notin \mathbb{w}_{Duplifixed} \end{cases}$$ = Duplifixing score derived from min-max normalization

$$w_{DuplifixR} = \begin{cases} \frac{w_{DuplifixRoot}^{DuplifixedN} - Min(w_{DuplifixRoot}^{DuplifixedN})}{Max(w_{DuplifixRoot}^{DuplifixedN}) - Min(w_{DuplifixRoot}^{DuplifixedN})} \\ -1, w \notin \mathbb{w}^{Root} \end{cases}$$ = Duplifix product score derived from min-max normalization

$$p_{DuplifixB} = \begin{cases} \frac{p_{Duplifixed}^{RootN} - Min(p_{Duplifixed}^{RootN})}{Max(p_{Duplifixed}^{RootN}) - Min(p_{Duplifixed}^{RootN})} \\ -1, p \notin \mathbb{p}_{Duplifixed} \end{cases}$$ = Duplifix score derived from min-max normalization

$$s_{DuplifixB} = \begin{cases} \frac{s_{Duplifixed}^{RootN} - Min(s_{Duplifixed}^{RootN})}{Max(s_{Duplifixed}^{RootN}) - Min(s_{Duplifixed}^{RootN})} \\ -1, s \notin \mathbb{s}_{Duplifixed} \end{cases}$$ = Duplifix score derived from min-max normalization

where
$$w_{Duplifixed} \in \begin{cases} w_{CRoot} = -1 \mid w_{AdR} = -1 \\ p \in \mathbb{P} \\ w + p = w^{Root} \mid p + w = w^{Root} \end{cases}$$ = A duplifix candidate, its root word and the duplifix polygraph

$w_{Duplifixed}^{RootN} = \sum w_N^{Root} * \begin{cases} 1, p_{PrefixB} + p_{SuffixB} = 0 \\ p_{PrefixB} + p_{SuffixB} \end{cases}$ = The count of possible duplifix root words a duplifix candidate can participate in.
$w_{DuplifixRoot}^{DuplifixedN} = \sum w_N^{Duplifixed}$ = The count of possible duplifix candidates a duplifixed word can participate in.
$\Phi_{p\,|\,s}^{Duplifix} = \sum p_L * w_N^{Root} * \begin{cases} 1, p_{PrefixB} + p_{SuffixB} = 0 \\ p_{PrefixB} + p_{SuffixB} \end{cases}$ = Intermediate duplifix score term for polygraphs and symbols
$p \mid s_{Duplifixed}^{RootN} = \sum \Phi_{p\,|\,s}^{Duplifix} * \sum w_{|N|}^{DuplifixRoot} * \sum w_N^{DuplifixRoot}$ = An input to min-max scoring derived from the possible duplifix root words a polygraph or symbol can participate in, including the intermediate duplifix score term

Type 1 and 2 Simulfix Scores for Symbols ($s_{Simulfix1}$, $s_{Simulfix2}$), Polygraphs ($p_{Simulfix1}$, $p_{Simulfix2}$) and Words ($w_{Simulfix1}$, $w_{Simulfix2}$) **(eqs. 65-69)**

$$w_{Simulfix} = \begin{cases} \frac{w_{SimulfixB}}{\mathrm{Max}(w_{SimulfixB})} \\ -1 * \frac{w_N}{\mathbb{w}_N}, w \notin \mathbb{w}_{SimulfixB<>0} \end{cases}$$ = Simulfix score for an individual word

$p_{Simulfix} = \begin{cases} \frac{p^1_{Simulfix|N|} + p^2_{Simulfix|N|}}{2 * \mathbb{p}_N^{L=2-3,N>2}}, \text{s.t.}\ p^1 = p^2 \\ -1 * \frac{p_N}{\mathbb{p}_N^{L=2-3,N>2}}, p \notin \mathbb{p}_{SimulfixCandidate} \end{cases}$ = Simulfix score for an individual polygraph, from the count of distinct simulfix candidates that a symbol participates in, on either side of a transformation

$s_{Simulfix} = \begin{cases} \frac{s^1_{Simulfix|N|} + s^2_{Simulfix|N|}}{2 * \mathbb{s}_N}, \text{s.t.}\ s^1 = s^2 \\ -1 * \frac{s_N}{\mathbb{s}_N}, s \notin \mathbb{s}_{SimulfixCandidate} \end{cases}$ = Simulfix score for an individual symbol, from the count of distinct simulfix candidates that a symbol participates in, on either side of a transformation

$p \mid s^{1,2}_{Simulfix1} = \frac{p \mid s^{1,2}_{SimulfixRaw}}{\text{Max}(\mathbb{p} \mid \mathbb{s}^{1,2}_{SimulfixRaw})}$ = The raw simulfix scores for this pair of polygraphs and/or symbols, divided by the maximum raw score of all potential simulfix pairs (regardless of whether they map to the same polygraphs and symbols)

$p \mid s^{1,2}_{Simulfix2} = \frac{w^{1,2}_{|N|}}{\sum \mathbb{w}^{1,2}_{|N|}}$ s.t. $w \in \mathbb{w}_{SimulfixB<>0}$, $p^1 \mid s^1 \leftrightsquigarrow w^1$, $p^2 \mid s^2 \leftrightsquigarrow w^2$, $w^1 \leftrightarrow w^2$, w = The count of all distinct word pairs that this exact combination of polygraphs and symbols participates in, divided by the count of all potential simulfix pairs (regardless of whether they map to the same polygraphs and symbols)

where

$\mathbb{p}_N^{L=2-3,N>2}$ = The count of all words of polygraph length 2-3 and document count > 2

$p^1 \mid s^1 \leftrightsquigarrow w^1$, $p^2 \mid s^2 \leftrightsquigarrow w^2$, s.t. $p \in \mathbb{p}^{L=2-3,N>2}$ = A qualifying symbol or polygraph that is a subsequence within an individual word

$\mathbb{w} \mid \mathbb{p} \mid \mathbb{s}_{SimulfixCandidate} = \forall w \mid \forall p \mid \forall s \in w^1 \leftrightarrow w^2$ s.t. $p^1 \mid s^1 \rightleftharpoons p^2 \mid s^2$ = The sets of all words, polygraphs or symbols participating in transformations of this type, where one word is transmuted to another by the substitution of a single symbol or polygraph

$w_{SimulfixB} = \frac{w^1_{Simulfix|N|} + w^2_{Simulfix|N|}}{2 * \mathbb{w}_N}$, s.t. $w^1 = w^2$ = Preliminary simulfix base count for words, from the count of distinct simulfix candidates that a word participates in, on either side of a transformation

$w_{SimulfixRaw} = \begin{cases} \frac{w_{SimulfixB}}{\text{Max}(w_{SimulfixB})} \\ -1 * \frac{w_N}{\mathbb{w}_N}, w \notin \mathbb{w}_{SimulfixB<>0} \end{cases}$ = Simulfix score for an individual word

$p \mid s^{1,2}_{SimulfixRaw} = \frac{(p \mid s^1_N + p \mid s^2_N)}{2 * \mathbb{p}_N^{L=2-3,N>2}}$ s.t. $p \mid s \in \mathbb{p} \mid \mathbb{s}_{SimulfixCandidate}$, $p^1 \mid s^1 \leftrightsquigarrow w^1$, $p^2 \mid s^2 \leftrightsquigarrow w^2$, $w^1 \leftrightarrow w^2$ = Raw simulfix scores for pairs of polygraphs and/or symbols participating in a sets of transformations into word pairs

The use of 2 different lengths for the polygraphs introduces some skew into the scoring, but is of negligible practical effect for our purposes. The first 3 equations are used in Table 8.8 and the rest in Table 8.9

Disfix-Infix Scores for Symbols ($s_{DisfixInfix}$) and Polygraphs ($p_{DisfixInfix}$), Disfixed and Infixed Word Scores ($w_{DisfixW}$, w_{InfixW}) **(eqs. 70-73)**

$s_{DisfixInfix} = \frac{\sum s^{Infix \mid Disfix\ Candidate}_{|N|}}{\mathbb{s}N}$ = Crude statistical assessment of the tendency of a symbol to appear in potential infixes or their mirror image, disfixes

$p_{DisfixInfix} = \sum \frac{p^{Infix \mid Disfix\ Candidate}_{|N|}}{\mathbb{p}_N^{L=2-3}}$ = Crude statistical assessment of the tendency of a polygraph to appear in potential infixes or their mirror image, disfixes

$w_{DisfixW} = \begin{cases} \frac{w_{DisfixB}}{\text{Max}(w_{DisfixB})} \\ -1 * \frac{w_N}{\mathbb{w}_N}, w \notin \mathbb{w}_{DisfixCandidates} \end{cases}$ = Disfix score for an individual word

$w_{InfixW} = \begin{cases} \frac{w_{InfixB}}{\text{Max}(w_{InfixB})} \\ -1 * \frac{w_N}{\mathbb{w}_N}, w \notin \mathbb{w}_{InfixCandidates} \end{cases}$ = Infix score for an individual word

where

$\mathbb{p}_N^{L=2-3}$ = The count of all words of polygraph length 2-3

$\mathbb{w} \mid \mathbb{p} \mid \mathbb{s}_{InfixCandidate} = \forall w \mid \forall p \mid \forall s \in w^2 = w^1(s_1, s_2 \ldots s_L) \oplus p \mid s$ = The sets of all words, polygraphs or symbols participating in transformations of this type, where one word is transmuted to another by the insertion of a single symbol or polygraph at any point

$\mathbb{w} \mid \mathbb{p} \mid \mathbb{s}_{DisfixCandidate} = \forall w \mid \forall p \mid \forall s \in w^1 = w^2(s_1, s_2 \ldots s_L) \oplus p \mid s$ = The inverse of the infix operation described above

$s^{Infix \mid Disfix\ Candidate}_{|N|}$, $s \in \mathbb{s}_{InfixCandidate} \cup \mathbb{s}_{DisfixCandidate}$ = The distinct count of infix or disfix candidates that a symbol participates in.

$p^{Infix \mid Disfix\ Candidate}_{|N|}$, $p \in \mathbb{p}_{InfixCandidate} \cup \mathbb{p}_{DisfixCandidate}$ = The distinct count of infix or disfix candidates that a polygraph participates in.

$w_{DisfixB} = \sum \frac{w^{Disfix}_N + w^{Infix}_N}{2 * \mathbb{w}_N}$, $w \in \mathbb{w}_{DisfixCandidates}$ = Base score for disfix candidates

$w_{InfixB} = \sum \frac{w^{Disfix}_N + w^{Infix}_N}{2 * \mathbb{w}_N}$, $w \in \mathbb{w}_{InfixCandidates}$ = Base score for infix candidates

The use of 2 different lengths for the polygraphs introduces some skew into the scoring, but is of negligible practical effect for our purposes.

Upon review at the end of the project, the $\mathbb{p}_N^{L=2-3,N>2}$ may have been incorrectly calculated for l = 2-4 instead of l = 2-3. If so this would accentuate the scaling issue by depressing the scores, but would not affect the rankings.

Compound Boundary Score for Polygraphs (p_{CB}) **(eq. 74)**

$$p_{CB} = \frac{p_N^{Boundary} - p_N^{NonBoundary}}{p_N^{Boundary} + p_N^{NonBoundary}}$$

where

$w \in \mathbb{w}_{CompoundC} = \{w^1 + w^2 \dots w^{1L}\}$ = The selected word is drawn from the set of compound word candidates, where each constituent word is a subsequence
$p^{Boundary} \in \mathbb{w}_{CompoundC} = \{w^1, w^2 \dots w^{1L}\}$ = The polygraph is an exact match to a distinct word used to derive a compound word candidate
$p^{NonBoundary} \notin \mathbb{w}_{CompoundC} = \{w^1, w^2 \dots w^{1L}\}, \rightsquigarrow w$ = The polygraph is a subsequence of a compound word candidate, but is not an exact match to a distinct word within it
$p_N^{Boundary}, p_N^{NonBoundary}$ = The counts of compound word candidates where a polygraph either serves or does not delineate a boundary between constituent words of that compound

Distribution Distances between Polygraphs ($DD_{p1 \rightarrow p3, p2 \rightarrow p3}$, $DD_{p1 \leftarrow p3, p2 \leftarrow p3}$), ($DD_{w1 \rightarrow w3, w2 \rightarrow w3}$, $DD_{w1 \leftarrow w3, w2 \leftarrow w3}$) or Symbols ($DD_{s1 \rightarrow s3, s2 \rightarrow s3}$, $DD_{s1 \leftarrow s3, s2 \leftarrow s3}$) by Direction and Combined Distribution Distance (DD_C) of 2 Consecutive Polygraphs **(eqs. 75-81)**

$$DD_{p1 \rightarrow p3, p2 \rightarrow p3} = \sum \frac{|p_{Difference}^{1\rightarrow 3} - p_{Difference}^{2\rightarrow 3}|}{2}$$
$$DD_{p1 \leftarrow p3, p2 \leftarrow p3} = \sum \frac{|p_{Difference}^{1\leftarrow 3} - p_{Difference}^{2\leftarrow 3}|}{2}$$
$$DD_C = DD_{p1 \rightarrow p3, p2 \rightarrow p3} + DD_{p1 \leftarrow p3, p2 \leftarrow p3}$$

where

$\{p^1, p^2, p^3\} \rightsquigarrow w$ = Three distinct polygraphs that are subsequences of the same word
$P(p^1 \rightarrow p^3) = \frac{p_N^{1\rightarrow 3}}{\mathbb{p}_N^{1\rightarrow 3}}$ = The empirical probability of the polygraph p^3 appearing after polygraph p^1 in the text, where the second term is the count of all polygraph pairs
$E(p_N^{1\rightarrow 3}) = \frac{p_N^1}{\mathbb{p}N} * \frac{p_N^3}{\mathbb{p}N}$ = The expected probability of an ordered polygraph pair, in a left-to-right direction
$p_{Difference}^{1\rightarrow 3} = P(p^1 \rightarrow p^3) - E(p_N^{1\rightarrow 3})$ = The difference between the empirical and expected probabilities of an ordered polygraph pair
$p_{Difference}^{2\rightarrow 3} = P(p^2 \rightarrow p^3) - E(p_N^{2\leftarrow 3})$ = The probabilistic difference between polygraph p^2 and the same p^3 used in $p_{Difference}^{1\rightarrow 3}$

For $DD_{(p1,p2)}^{\leftarrow \mathbb{p}}$, reverse the direction of the polygraph ordered pairs to right-to-left. The formulas are identical for symbols and words.

Mean Perimeter per Line for Polygraphs ($\mathbb{p}_{\mu P}^L$) and Phrases ($\mathbb{p}\mathbb{h}_{\mu P}^L$) at a Specified Length **(eqs. 82-83)**

$$\mathbb{p}_{\mu P}^L = \mathbb{p}_{Perimeter}^{1\dots L} / \sum \frac{(\mathbb{p}_{PointN}^{1\dots L} - 1) * ((\mathbb{p}_{PointN}^{1\dots L} - 1) + 1)}{2}$$

where

L = Length parameter common to all members of a set of comparable polygraphs clusters of type $\mathbb{p}$
$p_{PointN}^{1|2|3}$ = Count of points for 1 of 3 constituent polygraphs in the specified triangular perimeter
$p_{Perimeter}^{1,p=1,2,3} = DD_{p1 \rightarrow p3, p2 \rightarrow p3} + DD_{p1 \leftarrow p3, p2 \leftarrow p3} + DD_{p1 \rightarrow p2, p2 \rightarrow p1}$, $p_L^1 = p_L^2 = p_L^3$ = Triangular perimeter formed from the distribution distances of polygraphs pp_1, p_2, p_3 of equal length
$\mathbb{p}$ = A set of polygraphs participating in an intersecting set of triangular distance relationships
$\mathbb{p}_{PointN}^{1\dots L}$ = Count of points for 1 of 3 constituent polygraphs in the specified cluster of triangular perimeters
$\mathbb{p}_{Perimeter}^{1\dots L} = p_{Perimeter}^{1,p=1,2,3} \cap p_{Perimeter}^{2,p=1,2,3} \dots \cap p_{Perimeter}^{L,p=1,2,3}$ = Accumulated distances of 1 or more intersecting triangular perimeters, participating in the sam cluster

The interior term inside the summation operator is a factorial summation. The formula is identical at the phrase level.

Type 1 and 2 and Final Prefix, Suffix Scores (p_{Prefix}, p_{Suffix}, $p_{Prefix2}$, $p_{Suffix2}$, $p_{PrefixF}$, $p_{SuffixF}$), Prefix-Suffix Score and Weighted Prefix-Suffix Score for Polygraphs ($p_{PrefixSuffix}$, $p_{PrefixSuffixW}$) **(eqs. 84-91)**

$$p_{PrefixSuffix} = p_{Functional} * \begin{cases} p_{Functional} > 0, \frac{p_{|N|}^{WAdC(p1)}}{p_{|N|}^{W(p1)}} \\ \frac{p_{|N|}^{WAdC(pL)}}{p_{|N|}^{W(pL)}} \end{cases}$$ = Weighted score of the affinity for a polygraph serving as either a prefix or

suffix, oriented by the direction on a -1 to 1 scale

$p_{PrefixSuffixW} = p_{PrefixSuffix} + p_{AdfixedW} + p_{AdfixRootW}$ = The prefix-suffix score above, weighted by the participation of that polygraph in adfixed words or root words targeted by adfixes

$p_{Prefix} = , \begin{cases} p_{PrefixSuffixW} \\ p_{|N|}^{\mathbb{W}AdC(p1)} = 0, -1 \end{cases}$ = The prefix score determined by the $p_{PrefixSuffixW}$, set to -1 otherwise

$p_{Suffix} = , \begin{cases} -1 * p_{PrefixSuffixW} \\ p_{|N|}^{\mathbb{W}AdC(pL)} = 0, -1 \end{cases}$ = The suffix score determined by the $p_{PrefixSuffixW}$ and reoriented to reflect directionality set to -1 otherwise

$p_{Prefix2} = \begin{cases} p_{Prefix} > 0, \frac{p_{Prefix}}{p_L - 1} \\ p_{Prefix} \end{cases}$, $p_{Suffix2} = \begin{cases} p_{Suffix} > 0, \frac{p_{Suffix}}{p_L - 1} \\ p_{Suffix} \end{cases}$ = Prefix and suffix scores weighted by polygraph length

$p_{PrefixF} = \frac{pPrefix2 + (-1 * pCB)}{2}$, $p_{SuffixF} = \frac{pSuffix2 + (-1 * pCB)}{2}$ – Final Prefix or suffix scores, adjusted by accumulated knowledge about the positioning of functional polygraph boundaries within compound word candidates

where

$p_{|N|}^{\mathbb{W}(p1)}, p_{|N|}^{\mathbb{W}(pL)}$ = The distinct counts of all occurrences of that polygraph at the beginnings or ends of words (known internally as the base prefix and base suffix counts)

$p_{|N|}^{\mathbb{W}AdC(p1)}, p_{|N|}^{\mathbb{W}AdC(pL)}$ s.t. $w \in \mathbb{W}_{AdC}$ = The distinct counts of all occurrences of that polygraph at the beginnings or ends of words qualifying as adfixed word candidates in eqs. 51-52 (known internally as the functional prefix and functional suffix counts)

$\frac{p_{|N|}^{\mathbb{W}AdC(p1)}}{p_{|N|}^{\mathbb{W}(p1)}} = \begin{cases} \frac{p_{|N|}^{\mathbb{W}AdC(p1)}}{p_{|N|}^{\mathbb{W}(p1)}} \\ 0, p_{|N|}^{\mathbb{W}(p1)} = 0 \end{cases}$, $\frac{p_{|N|}^{\mathbb{W}AdC(pL)}}{p_{|N|}^{\mathbb{W}(pL)}} = \begin{cases} \frac{p_{|N|}^{\mathbb{W}AdC(pL)}}{p_{|N|}^{\mathbb{W}(pL)}} \\ 0, p_{|N|}^{\mathbb{W}(pL)} = 0 \end{cases}$ = Functional-base prefix and suffix ratios, initialized to 0 for polygraphs that never appear in these roles

$\frac{p_{|N|}^{\mathbb{W}AdC(p1)}}{p_{|N|}^{\mathbb{W}AdC(pL)}} = \begin{cases} p_{|N|}^{\mathbb{W}AdC(p1)} > p_{|N|}^{\mathbb{W}AdC(pL)}, \frac{p_{|N|}^{\mathbb{W}AdC(p1)}}{p_{|N|}^{\mathbb{W}AdC(p1)} + p_{|N|}^{\mathbb{W}AdC(pL)}} \\ p_{|N|}^{\mathbb{W}AdC(p1)} + p_{|N|}^{\mathbb{W}AdC(pL)} = 0, 0 \\ p_{|N|}^{\mathbb{W}AdC(p1)} < p_{|N|}^{\mathbb{W}AdC(pL)}, \frac{-1 * p_{|N|}^{\mathbb{W}AdC(pL)}}{p_{|N|}^{\mathbb{W}AdC(p1)} + p_{|N|}^{\mathbb{W}AdC(pL)}} \end{cases}$ = Score based on the ratio of functional prefix counts to function suffix counts, on a -1 to 1 scale

$p_{Functional} = \frac{p_{|N|}^{\mathbb{W}AdC(p1)}}{p_{|N|}^{\mathbb{W}AdC(pL)}} * (p_{|N|}^{\mathbb{W}AdC(p1)} + p_{|N|}^{\mathbb{W}AdC(pL)}) * \begin{cases} \frac{p_{|N|}^{\mathbb{W}AdC(p1)}}{p_{|N|}^{\mathbb{W}(p1)}} > \frac{p_{|N|}^{\mathbb{W}AdC(pL)}}{p_{|N|}^{\mathbb{W}(pL)}}, \frac{p_{|N|}^{\mathbb{W}AdC(p1)}}{p_{|N|}^{\mathbb{W}(p1)}} \\ \frac{p_{|N|}^{\mathbb{W}AdC(p1)}}{p_{|N|}^{\mathbb{W}(p1)}} < \frac{p_{|N|}^{\mathbb{W}AdC(pL)}}{p_{|N|}^{\mathbb{W}(pL)}}, \frac{p_{|N|}^{\mathbb{W}AdC(pL)}}{p_{|N|}^{\mathbb{W}(pL)}} \end{cases}$ =Assessment of the directional strength of functional prefixes and suffixes

$w_{|N|}^{Adfixed1}, w_{|N|}^{\mathrm{AdfixedL}}$ = $w \in \mathbb{W}_{AdW}$ <> -1, $w_{Root} \in \mathbb{W}_{AdR}$ <> -1, $p \in \mathbb{P}_{|N|}^{wAdC(p1)} | \mathbb{P}_{|N|}^{wAdC(pL)}$, $w = p^1 + w_{Root} | w_{Root} + p^L$ = The distinct counts of all root words (as defined in eqs. 51-52) targeted by any functional prefix or suffix as defined above, to produce a single word *w* (known internally as the functional prefixed and functional suffixed counts)

$w_{|N|}^{\mathrm{Root1}}, w_{|N|}^{\mathrm{Root2}}$ = $w \in \mathbb{W}_{AdR}$ <> -1, $w_{Adfixed} \in \mathbb{W}_{AdW}$ <> -1 $p \in \mathbb{P}_{|N|}^{wAdC(p1)} | \mathbb{P}_{|N|}^{wAdC(pL)}$, $w = p^1 + w_{Adfixed} | w_{Adfixed} + p^L$ = The distinct counts of all adfixed words (as defined in eqs. 51-52) produced by attachment of any functional prefix or suffix as defined above any single root word *w* (known internally as the functional prefix root and functional suffix root counts)

$p_{|N|}^{Adfixed1}, p_{|N|}^{\mathrm{AdfixedL}} = \sum \mathbb{W}_{|N|}^{\mathrm{Adfixed1}} | \mathbb{W}_{|N|}^{\mathrm{AdfixedL}}$ s.t. $\mathbb{W}_{Root} + p \in \mathbb{W}_{AdW}$ <> -1 – The functional prefixed or suffixed counts described above aggregated over a single polygraph (known internally as the alternate functional prefixed and functional suffixed counts)

$p_{|N|}^{Root1}, p_{|N|}^{\mathrm{RootL}} = \sum \mathbb{W}_{|N|}^{\mathrm{Root1}} | \mathbb{W}_{|N|}^{\mathrm{RootL}}$ s.t. $\mathbb{W}_{Adfixed} + p \in \mathbb{W}_{AdR}$ <> -1 – The functional prefix root or suffix rootcounts described above aggregated over a single polygraph (known internally as the alternate functional prefix root and alternate functional suffix root counts)

$p_{Adfixed} = \begin{cases} \frac{p_{|N|}^{Adfixed1} - p_{|N|}^{\mathrm{AdfixedL}}}{p_{|N|}^{Adfixed1} + p_{|N|}^{\mathrm{AdfixedL}}} \\ p_{|N|}^{Adfixed1} + p_{|N|}^{\mathrm{AdfixedL}}, 0 \end{cases}$ = Intermediate adfixed product score for a single polygraph, corrected for directionality

$p_{AdfixRoot} = \begin{cases} \frac{p_{|N|}^{Root1} - p_{|N|}^{\mathrm{RootL}}}{p_{|N|}^{Root1} + p_{|N|}^{\mathrm{RootL}}} \\ p_{|N|}^{Root1} + p_{|N|}^{\mathrm{RootL}}, 0 \end{cases}$ = Intermediate adfix root score for a single polygraph, corrected for directionality

$p_{AdfixedW} = p_{Adfixed} * \frac{(p_{|N|}^{Adfixed1} + p_{|N|}^{\mathrm{AdfixedL}}) - \mathrm{Min}(p_{|N|}^{Adfixed1} + p_{|N|}^{\mathrm{AdfixedL}})}{\mathrm{Max}(p_{|N|}^{Adfixed1} + p_{|N|}^{\mathrm{AdfixedL}}) - \mathrm{Min}(p_{|N|}^{Adfixed1} + p_{|N|}^{\mathrm{AdfixedL}})}$ = Adfixed product score weighted by min-max normalization

Note that the counts for the functional prefixed/suffixed and prefix/suffix root counts are aggregated over the roots and adfixed word products respectively, for a single adfixed word or root word. We also calculated functional root scores at the individual polygraph level in a manner similar to the functional prefix and suffix scores, but these were only used in passing as background and later deleted from the table. We had to recall the underlying formula from memory long after the fact, so it may be inaccurate.

Single and Double Compound Scores for Prefixes and Suffixes at the Polygraph Level **(eqs. 92-95)**
($p_{PrefixC1}$, $p_{SuffixC1}$, $p_{SuffixC2}$, $p_{PrefixC2}$)

$$p_{PrefixC1} = \begin{cases} p_{|N|}^{PrefixF} < w_N^{Base}, 1 - \frac{p_{|N|}^{PrefixF}}{w_N^{Base}} \\ -1 * (1 - \frac{w_N^{Base}}{p_{|N|}^{PrefixF}}) \end{cases} \text{s.t.}\, p_{PrefixF} \in \mathbb{w}^{Base},\ p_{PrefixF} + w^{Base} = w^{Compound} \mid w^{Base} + p_{SuffixF} = w^{Compound}$$

= The compound polygraph-to-word count ratio, where the formulas for suffixes can be substituted as needed

$$p_{PrefixC2} = \begin{cases} p_{|N|}^{PrefixF} < \mu(w_N^{Base}), 1 - \frac{p_{|N|}^{PrefixF}}{\mu(w_N^{Base})} \\ -1 * (1 - \frac{\mu(w_N^{Base})}{p_{|N|}^{PrefixF}}) \end{cases} \text{s.t.}\, p_{PrefixF} \in \mathbb{w}^{Base},\ p_{PrefixF} + p_{PrefixF} = w^{Compound} \mid p_{SuffixF} + p_{SuffixF} = w^{Compound}$$

= The double compound polygraph-to-word count ratio, where the formulas for suffixes can be substituted as needed

where

$w^{Compound} \in \mathbb{w}$ s.t. $w = \{w^1 + w^2 + \cdots w^L\}, p_{|N|}^{PrefixF} \mid p_{|N|}^{SuffixF} \in \{w^1 + w^2 + \cdots w^L\}$ = The set of compound words, which can be constructed entirely from other Voynich words and the functional prefix or functional suffix being evaluated matches at least 1 of the constituent words
$\mathbb{w}^{Base} \in \{w^1 + w^2 + \cdots w^L\}$ = Any base words within a compound, some of which may not be equivalent to the functional prefix or suffix being evaluated
$p_{|N|}^{PrefixF}, p_{|N|}^{SuffixF}$ = The distinct counts of adfixed words where this polygraph serves as either a functional prefix or functional suffix, defined a few equations ago

The set definitions used here may not be precisely correct, as they were excavated from very old code years after the fact in the final write-up of this technical report. They're only of historical interest at this point anyways, so any incorrect representation has virtually no effect on the model quality.

Polygraph Spanning Count $(p_{SuffixB}^{\mathbb{w}1}, p_{PrefixB}^{\mathbb{w}2})_N$ **(eqs. 96-97)**

$$(p_{SuffixB}^{\mathbb{w}1}, p_{PrefixB}^{\mathbb{w}2})_N = \sum(p_{SuffixB}^{w1} \rightarrow p_{PrefixB}^{w2}),\ w^1 + w^2 \in \mathbb{ph}$$

where

$p_{SuffixB}^{w1}$ = A trailing polygraph in w^1, appearing prior to w^2
$p_{PrefixB}^{w2}$ = A polygraph at the beginning of w^2, appearing immediately after w^1
ph = $w^1 + w^2$ = A phrase formed by words 1 and 2
$\mathbb{ph} = \mathbb{w}^1 + \mathbb{w}^2$ = All phrases formed by the set of word pairs where $p_{SuffixB}^{w1}$ ends w^1 and $p_{PrefixB}^{w2}$ begins w^2

Levenshtein Distances between 2 Voynich Words **(eqs. 98-103)**
($ph_{Lev}^{w1,w2}$, $ph_{LevS}^{w1,w2}$, $t_{LevS}^{w1,w2\ldots wL}$, $tp_{LevS}^{w1,w2\ldots wL}$, $tp_{LevS}^{\S\in\{0-6\}}$, w_{Lev})

$$ph_{LevS}^{w1,w2} = 1 - \begin{cases} w_L^2 > w_L^1, w_L^2 \\ w_L^1 \end{cases}$$

= The Levenshtein Score is the Levenshtein Distance scaled by the word lengths and reoriented to a 0-1 range

$$t_{LevS}^{w1,w2\ldots wL} = \frac{\sum ph_{LevS}^{w1,w2}, ph_{LevS}^{w2,w3} \ldots ph_{LevS}^{wL-1,wL}}{t_n} \text{ s.t. } ph^{w1\ldots wL} \in t$$

= Scaled Levenshtein Score at the text sequence level of granularity

$$tp_{LevS}^{w1,w2\ldots wL} = \frac{\sum ph_{LevS}^{w1,w2}, ph_{LevS}^{w2,w3} \ldots ph_{LevS}^{wL-1,wL}}{tp_n} \text{ s.t. } ph^{w1\ldots wL} \in tp$$

= Scaled Levenshtein Score at the page level of granularity

$$tp_{LevS}^{\S\in\{0-6\}} = \frac{\sum ph_{LevS}^{\S\in\{0-6\}}, ph_{LevS}^{\S\in\{0-6\}} \ldots ph_{LevS}^{\S\in\{0-6\}}}{tp_N^{\S\in\{0-6\}}} \text{ s.t. } ph^{w1\ldots wL} \in tp^{\S\in\{0-6\}}$$

= Scaled Levenshtein Score for all pages in a document section

$$w_{Lev} = (ph_{LevS}^{w1,w2} * \begin{cases} ph_{Lev}^{w1,w2} = 0, ph_N^{w1,w2} * 2 \\ ph_{Lev}^{w1,w2} = 1, ph_N^{w1,w2} \\ ph_{Lev}^{w1,w2} = 2, \frac{ph_N^{w1,w2}}{2} \end{cases}) + (ph_{LevS}^{w2,w1} * \begin{cases} ph_{Lev}^{w2,w1} = 0, ph_N^{w2,w1} * 2 \\ ph_{Lev}^{w2,w1} = 1, ph_N^{w2,w1} \\ ph_{Lev}^{w2,w1} = 2, \frac{ph_N^{w2,w1}}{2} \end{cases})$$

= A measure of the participation of individual words in repetitious phrases, derived from the Degenerate Levenshtein Distance

where

$ph_{Lev}^{w1,w2}$ = The Levenshtein Distance between 2 words. This may have been calculated on a coarse approximation of the distance used earlier in the project

We also made use of several simple statistics constructed from these measures, including $\mathbb{W}_{LevS}^{\mu}$, $\mathbb{ph}_{LevS}^{\mu}$ (especially in the hyperpyramids), $\mathbb{Ph}_{Lev}^{\mu}$ and $\mathbb{Ph}_{LevS}^{\mu}$. Additional "type 1 and 2" variants of the Levenshtein Score and various statistics calculated on the distances at other levels of granularity were omitted here because they were not referenced directly in the tables or text of Vol. I. These turned out to be useful mainly as background.

Fractional Hamming $H_{\text{Fract}}(w^1, w^2)$ or Infix-Scaled Fractional Hamming $H_{\text{FIS}}(w^1, w^2)$ Distance between 2 Voynich Words, **(eqs. 104-105)**

$H_{\text{Fract}}(w^1, w^2) = \frac{\text{Max}(w^1_L, w^2_{sL})}{\mathcal{R}\text{N}} * H(w^1, w^2)$ = The Fractional Hamming Distance between 2 Voynich words, scaled by the number of possible comparisons (thereby weighting the opportunities for greater or lesser distance)

$H_{\text{FIS}}(w^1, w^2) = \frac{\text{Max}(w^1_L, w^2_{sL})}{\mathcal{R}\text{N}} * (ph^{w1,w2}_{Lev} * \text{Vw})$= The Infix-Scaled Fractional Hamming Distance, identical to except weighted by the tra

where

$H(w^1, w^2)$ = The ordinary Hamming Distance between 2 words
$w^1_{s(k)}, w^2_{s(k)}$ = The symbol at ordinal position k within w^1 or w^2
$w^1 \mathcal{R} w^2$ s.t. $\begin{cases} w^2_L < w^1_L \wedge (w^2_L - w^2_{s(k)}) <= (w^1_L - w^1_{s(k)}) \wedge w^2_{s(k)} <= w^1_{s(k)} \\ \mid w^1_L < w^2_L \wedge (w^1_L - w^1_{s(k)}) <= (w^2_L - w^2_{s(k)}) \wedge w^1_{s(k)} <= w^2_{s(k)} \\ \mid w^1_L = w^2_L \wedge w^1_{s(k)} = w^2_{s(k)} \end{cases}$ = The symbol at ordinal position k within w^1 or w^2
$\mathcal{R}_N$ = The count of all qualifying comparisons for that word pair
$V^{w1,w2}_{s(k)} = \left\{ w^1_{s(k)} = w^2_{s(k)}, 0, \text{otherwise} \begin{cases} w^1_{s(k)} \wedge w^2_{s(k)} \in \{\text{fptk} \mid \text{b}\} \mid \{\text{dlrsmgj}\} \mid \{yo\} \mid \{oa\} \wedge w^1_{s(k)} \neq w^2_{s(k)}, 0.5) \\ w^1_{s(1)} \mid w^2_{s(1)} = \{\text{q} \mid \text{fptk} \mid \text{b}\} \wedge w^1_{s(k)} \neq w^2_{s(k)}, 0.5 \\ otherwise \wedge w^1_{s(k)} \neq w^2_{s(k)}, 1 \end{cases} \right.$ = A weight applied to each symbol comparison to gauge known transformation patterns among Voynich words

$V^{ABS(w1-w2)}_{N(c \mid e \mid i)}$ = The absolute difference in counts of all instances of c, e or i in this word pair
$\text{V}_\text{W} = \sum V^{w1,w2}_{s(k)} * \frac{V^{ABS(w1-w2)}_{N(c)}}{3} * \frac{V^{ABS(w1-w2)}_{N(e)}}{4} * \frac{V^{ABS(w1-w2)}_{N(i)}}{4}$ = A weight applied to the distance measure to take into account known transformation patterns among Voynich words

The Levenshtein Distance used here may be a more accurate variant of the prior Levenshtein calculations. The Voynich weights may not be entirely accurate either, since the original implementation was lost in a crash of our analytics server; the practical differences will be negligible though.

Natural Language Word Translation Score (w^{NL}_{TS}) and Rank Score (w^{NL}_{RS}) for Competing Translations **(eqs. 106-107)**

$w^{NL}_{TS} = \frac{w^{NL}_{TSR}}{\sum_1^{\text{Max}(w^{NL}_{TSR})} n!}$ = A translation score for a single qualifying word within the same natural language, with the 2nd term being a factorial summation
$w^{NL}_{RS} = -1 * w^{NL}_{TS} = * (w^{NL}_{TSR} - (\mathbb{W}^{\text{NL=English}}_{\text{N(k=Null)}} + 100)$

where

$w^{NL} \in \mathbb{W}^{NL}$ s.t. NL ∈ {English, French, German, Latin, Russian, Spanish} = A word drawn from 1 of 6 natural languages used in plaintext candidate frequency lists, rather than from the Voynich corpus
w^{NL}_{TSR} = A rank order assigned to competing translations for a single qualifying word within the same natural language
w^{NL}_{TSR} = An evaluation of w^{NL}_{TSR} in the inverse order, from the least important interpretation to first

This formula is used in Table 12.1. The Translation Score weights the importance of a given interpretation when there are competing senses for the same word in a given natural language.

Fuzzy Part of Speech Score for Natural Language Ranks ($w^{\text{NL}}_{\mathcal{G}}$ and $w^{\text{NL}}_{\mathcal{G}(\text{RS})}$) **(eqs. 108-109)**

$w^{\text{NL}}_{\mathcal{G}} = \frac{w^{NL}_{\mathcal{G}(\text{k})}}{w^{\text{NL}}_{\mathcal{G}\mid\text{N}\mid} + 1}$ = A part-of-speech score for a given word in a single natural language
$w^{\text{NL}}_{\mathcal{G}(\text{RS})} = w^{\text{NL}}_{\mathcal{G}} * w^{NL}_{RS}$ = The rank score adjusted for the part-of-speech assignment

where

$w^{NL} \in \mathbb{W}^{NL}$ s.t. NL ∈ {English, French, German, Latin, Russian, Spanish} = A word drawn from 1 of 6 natural languages used in plaintext candidate frequency lists, rather than from the Voynich corpus
$\mathcal{G}_1 \in$ {Adjective, Adverb, Coordinating Conjunction, Definite Article, Demonstrative Pronoun, Indefinite Article,

Interjection, Negation, Noun, Number, Personal Pronoun, Possessive Pronoun, Preposition, Quantifier, Reflexive Pronoun, Relative/Interrogative Pronoun, Subordinating Conjunction, Verb} – The permissible part-of-speech values used in early natural language frequency lists, i.e. the grammatical category
$\mathcal{G}_2 \in$ {Adjective + Demonstrative Pronoun,Conjunction + Pronoun,Preposition + Article,Preposition + Pronoun,Pronoun + Verb,Relative/Interrogative Pronoun + Verb} = A subset of $\mathcal{G}$ split half-and-half between 2 competing parts of speech
$\mathcal{G}_\lambda = \begin{cases} \mathcal{G}_2 \cap \mathcal{G}_{1,0.5} \\ 1 \end{cases}$ = A weight assigned to account for split categories in $\mathcal{G}_2$, which are reassigned to $\mathcal{G}_1$ at half strength
$w^{\mathrm{NL}}_{\mathcal{G}|\mathrm{N}|}$ s.t. $\mathcal{G}|\mathrm{N}| \Leftarrow \mathcal{G}_\lambda$ = The number of distinct parts of speech that word qualifies for in a given language, after accounting for the conditioning of the order and composition by the consolidation and weight described above
$w^{\mathrm{NL}}_{\mathcal{G}(\mathrm{k})}$ s.t.$\mathcal{G}(\mathrm{k}) \Leftarrow \mathcal{G}_\lambda$ = An order assigned to competing parts of speech for a single qualifying word within the same natural language, where the composition and order are conditioned by the same consolidation and weight
$w^{NL}_{\mathcal{G}(\mathrm{k})}$ = An evaluation of $w^{NL}_{\mathcal{G}(\mathrm{k})}$ in the inverse order, from the least important interpretation to first

This formula is used in Table 12.2 to gauge the applicability of a given natural language word to a particular part of speech when competing senses are available.

The Proximity Index $(w_1 \rightarrow w_2)_{\mathrm{I}}$ between Selected Words within Text Sequences **(eq. 110)**

$$(w_1 \rightarrow w_2)_{\mathrm{I}} = \mu \frac{\mathbb{t}_D^{w1,w2}}{w_N^2}$$

where

$\mathbb{w} = \{\mathrm{qol}, \mathrm{qor}\} \mid \ni \mathbb{p} \in$ {[dlrs][ao][lr], dy, am} – The set of qualifying words, defined in part by containing a specific set of polygraphs
$\mathrm{t}_{w(k)}$= The ordinal positions of words within a text sequence
t_N^w = The count of words in a given text sequence
$\mathbb{t}_D^{w1,w2} = \sum \frac{t_N^w - \mathrm{ABS}(t_{k-1}^{w1} \pm t_{k-1}^{w2})}{t_N^w}$ s.t. $\mathrm{t} \in \mathbb{t}$ = The distance between 2 qualifying words in a text sequence, weighted by the sequence word count

This crude formula is used in Tables 12.7-10. It is on an unbounded scale beginning with 0 and measures the distances between 2 words when they occur in the same text sequences.

"Noun Score" Assignments ($\mathrm{w}_\lambda^{\mathcal{G}=\mathrm{Noun}}$) **(eq. 111)**

$\mathrm{w}_\lambda^{\mathcal{G}=\mathrm{Noun}} \in$ {0, 0.2, 0.4, 0.6, 0.8} = A subjective weight gauging the perceived potential of a word's participation in the noun set at an early point in the project, in keeping with Decision Theory

where

$\mathcal{G}$ = {Noun} = The set of grammatical categories then in use, which was initially limited to nouns alone

Composite Fitness Score for a Derivational Model (M^D_{CFit}), Partially Derived from the Expected Grammatical Behavior Score ($C^{Inter:Intra}_{\mathrm{E}(\mathcal{G})}$) **(eq. 112)**

$C^{Inter:Intra}_{\mathrm{E}(\mathcal{G})} = \frac{\sum_{i|j=1}^{N} C^{D=Inter}_{\mathcal{G}(\mathrm{i,j})}}{C^{D=Intra}_{\mathcal{G}(\mathrm{i})}}$ s.t. $C \xrightarrow{depends\ on}$ $\mathrm{E}(\mathcal{G})$= A cluster distance ratio derived from the expected value of the grammatical category, as opposed to the "winning" one
$M^D_{CFit} = ((C^{Inter:Intra}_{\mathcal{G}} * (1 + (M_{T(k),I\ (i)}{}^{\mathcal{G}:}_{\lambda} - M_{T(k),I\ (i)}{}^{E(\mathcal{G})}_{\lambda})) + (\frac{\sum_{i|j=1}^{N} C^{D=Inter}_{\mathcal{G}(\mathrm{i,j})}}{C^{D=Intra}_{\mathcal{G}(\mathrm{i})}} * M_{T(k),I\ (i)}{}^{\mathcal{G}:}_{\lambda}) + (C^{Inter:Intra}_{\mathrm{E}(\mathcal{G})} * M_{T(k),I\ (i)}{}^{E(\mathcal{G})}_{\lambda})$

where

$C_{\mathcal{G}} \xrightarrow{depends\ on} \mathcal{G}$ = {Noun, Verb, Preposition, Adjective, Adverb, Quantifier, Negation, Coordinating Conjunction, Subordinating Conjunction, Article} = One of 5 potential part-of-speech categories used in the optimization trials, which the clusters depend upon
$\mathrm{E}(\mathcal{G})$ s.t. $= \begin{cases} \mathcal{G} = \{Adverb, Quantifier, Article\}, \mathrm{Adjective} \\ \mathcal{G} = \{\mathrm{Negation}, \mathrm{Coordinating\ Conjunction}, \mathrm{Subordinating\ Conjunction}\}, \mathrm{Neutral} \\ \mathcal{G} \end{cases}$ = The Expected Grammatical Behavior of a given cluster
$\mathcal{G}^*$= The "winning" grammatical category selected by the optimization algorithm for that trial
$\mathrm{E}((w^1, w^2)')$ = The expected probability calculated in prior equations for a single word pair
$\mathcal{D}$ = {Lev(w^1, w^2), H_{Fract}(w^1, w^2), H_{FIS}(w^1, w^2)} = A choice between 3 distance measures defined earlier
$D_\lambda = \begin{cases} 1, \\ D = H_{\mathrm{FIS}}\ (w^1, w^2), 0.5 \end{cases}$ = A weight applied to the selected distance measure
$C^{D=Intra} = \sum \mathrm{E}((w^1, w^2)') * D_\lambda$ s.t. $w^1, w^2 \in C$ = The intra-cluster distance for a given cluster. This is weighted by the expected probability of each word pair involved in the comparison, since more frequent words should have greater weight. Both words come from the same cluster, which is determined by the part of speech.

$C_{\mathrm{i,j}}^{D=Inter} = \sum \mathrm{E}((w^1, w^2)') * D_\lambda$ s.t. $\mathrm{w}^1 \in C_i$, $\mathrm{w}^2 \in C_j$ = The inter-cluster distance for a given cluster pair. Words used in cluster comparisons come from separate grammatical clusters denoted by i, j

$C_{\mathcal{G}}^{Inter:Intra} = \frac{\sum_{\mathrm{i},j=1}^{N} C_{\mathrm{i,j}}^{D=Inter}}{C_{\mathrm{i}}^{D=Intra}}$ = The cluster distance ratio

$D^{(\mathrm{w1,w2})\leftrightarrow} = \frac{\mathrm{ABS}((w^1 \rightarrow w^2)_N - (w^1 \leftarrow w^2)_N)}{2}$ = A distance measure similar to the ones derived for word categories, derived from the counts of word pairs and their inverses

$\mathrm{E}((w^1 \rightarrow w^2)_N)$, $\mathrm{E}((w^1 \leftarrow w^2)_N)$ = The expected counts of a word pair in either direction

$C_{\mathcal{G}}^{D=Intra} = \frac{\sum D^{(\mathrm{w1,w2})\leftrightarrow}}{\sum \mathrm{E}((w^1 \rightarrow w^2)_N) + \mathrm{E}((w^1 \leftarrow w^2)_N)}$ s.t. $w^1, w^2 \in C \xrightarrow{depends\ on} \mathcal{G}^*$ = The "Grammatical Intra-Cluster Distance," a measure of the accuracy of the grammatical behavior projected by the current model iteration, aggregated over the "winning" part of speech assignment

$C_{\mathcal{G}(\mathrm{i,j})}^{D=Inter} = \frac{\sum D^{(\mathrm{w1,w2})\leftrightarrow}}{\sum \mathrm{E}((w^1 \rightarrow w^2)_N) + \mathrm{E}((w^1 \leftarrow w^2)_N)}$ s.t. $\mathrm{w}^1 \in C_i$, $\mathrm{w}^2 \in C_j, C \xrightarrow{depends\ on} \mathcal{G}^*$ = The "Grammatical Intra-Cluster Distance," a measure of the accuracy of the grammatical behavior projected by the current model iteration, aggregated over the "winning" part of speech assignment

$C_{\mathcal{G}^*}^{Inter:Intra} = \frac{\sum_{\mathrm{i},j=1}^{N} C_{\mathcal{G}(\mathrm{i,j})}^{D=Inter}}{C_{\mathcal{G}(\mathrm{i})}^{D=Intra}}$ = The "Grammatical Cluster Distance Ratio"

$M_{T(k),I\,(i)_\lambda}^{\mathcal{G}:}$ = A weight applied to gauge the impact of the Grammatical Distance Ratio on an iteration of a given model trial.

$M_{T(k),I\,(i)_\lambda}^{E(\mathcal{G})}$ = A weight applied to gauge the expected grammatical behavior of a given model trial.

The 2 weights are user-supplied or auto-generated by an algorithm that randomly explores the weight space.

Perplexity Scores at the Granularity Level of Words ($\mathcal{P}_{\mathbb{W}}^{V}$) and Phrase Lengths ($\mathcal{P}_{\mathbb{P}(\mathrm{L})}^{V}$) **(eqs. 113-114)**

$\mathcal{P}_{\mathbb{W}}^{V} = 2 - \sum \frac{w_N^V}{\mathbb{W}_N^V} * Log_2(\frac{w_N^V}{\mathbb{W}_N^V})$ = The word perplexity for a given manuscript version

$\mathcal{P}_{\mathbb{P}(\mathrm{L})}^{V} = 2 - \sum \frac{p_N^V}{\mathbb{P}_{N(L)}^V} * Log_2(\frac{p_N^V}{\mathbb{P}_{N(L)}^V})$ = The perplexity for the set of phrases at a given length in a given manuscript version

where

$\mathbb{W}^V \in$ {Clitic Test Reversed, Actual Values for Version #29, Sans Infixes, Clitic Test, Compound Test} = The corpus for 1 of 5 manuscript versions, identified here by name (3 of which are experimental)

$\mathbb{P}_L^V \in$ {Clitic Test Reversed, Actual Values for Version #29, Sans Infixes, Clitic Test, Compound Test} = The set of all phrases at a particular length, for 1 of 5 manuscript versions, identified here by name (3 of which are experimental)

See the End Notes of Vol. I for our selection between 1 of many competing formulas and interpretations of this stalwart text analysis metric.

Cliticization Decomposability Score ($\widehat{\mathbb{w}}_{Decomp}$) for Nascent Word Categories **(eq. 115)**

$$\widehat{\mathbb{w}}_{Decomp} = \begin{cases} \widehat{\mathbb{w}}_N > \widehat{\mathbb{w}}_N^B, -1 * (1 - \left(\frac{\widehat{\mathbb{w}}_N^B}{\widehat{\mathbb{w}}_N}\right)) \\ 1 - \left(\frac{\widehat{\mathbb{w}}_N}{\widehat{\mathbb{w}}_N^B}\right) \end{cases}$$

where

$\widehat{\mathbb{w}}$ = A set of words comprising a single word category. The set of categories used at this point was an intermediate precursor to the final word categories used in subsequent calculations such as PPV scores, hence the hat symbol

$\widehat{\mathbb{w}}^B \rightarrow \widehat{\mathbb{w}}$ s.t. $\widehat{\mathbb{w}}^B \in \mathbb{W}, \widehat{\mathbb{w}} \in \mathbb{W}, \widehat{\mathbb{w}}^B = \widehat{\mathbb{w}} - \mathbb{p}_L \mid \mathbb{p}_L - \widehat{\mathbb{w}}$ = An existing "base" word produced from the ablation of either any previous prefix or any suffix as directed by the user, of the specific length

These scores are employed in Tables 15.4-5.

Ablated Phrase Score for Single-Letter Words ($w_{AblatedPh}^{L=1}$) **(eqs. 116-117)**

$$w_{AblatedPh}^{L=1} = \begin{cases} \mathrm{sgn}(ph_{\Delta}^{Ablated}) = -1, -1 * (1 - \frac{ph_N}{\mathrm{E}(ph_N^{Ablated})}) \\ \mathrm{sgn}(ph_{\Delta}^{Ablated}) = 1, 1 - \frac{\mathrm{E}(ph_N^{Ablated})}{ph_N} \\ 0 \end{cases}$$

$$w_{Phrase}^{L=1} = \begin{cases} \mathrm{sgn}(ph'_{\Delta}) = -1, -1 * (1 - \frac{ph_N}{\mathrm{E}(ph_N)}) \\ \mathrm{sgn}(ph'_{\Delta}) = 1, 1 - \frac{\mathrm{E}(ph_N)}{ph_N} \\ 0 \end{cases}$$

where

$w^B \rightarrow w \text{ s.t. } w^B \in \mathbb{W}, w \in \mathbb{W}, w^B = w - \mathbb{p}_L \mid \mathbb{p}_L - w$ = An existing "base" word produced from the ablation of either any previous prefix or any suffix as directed by the user, of the specific length
$w^{L=1} \rightarrow w \text{ s.t. } w^{L=1} \in \mathbb{W}, w \in \mathbb{W}, w^{L=1} = w - \mathbb{p}_L \mid \mathbb{p}_L - w$ = An existing single-letter word
$\mathrm{E}(ph_N)$ $\frac{w_N}{\mathbb{W}_N} * \frac{w_N^B}{\mathbb{W}_N} * \mathbb{ph}_N^{L=2}$ = The expected phrase count
$\mathrm{E}(ph_N^{Ablated}) = \frac{w_N^{L=1}}{\mathbb{W}_N} * \frac{w_N^B}{\mathbb{W}_N} * \mathbb{ph}_N^{L=2}$ = The expected count of the phrase produced from ablation
$ph_{\Delta}^{Ablated} = \sum \mathrm{E}(ph_N) - \sum \mathrm{E}(ph_N^{Ablated})$ = A probabilistic difference between the existing phrase set and the expected phrase products produced by single-letter ablation
$ph'_{\Delta} = \sum \mathrm{E}(ph_N) - \sum \mathrm{E}(ph_N)$ = A probabilistic difference between the existing phrase set and the expected phrase incidences

This formula is used in Table 15.6.

Phrase Concatenation (ph_{w}^{Concat}), Cliticization (w_{Clitic}), Procliticization ($w_{Proclitic}$) and Encliticization ($w_{Enclitic}$) Scores **(eqs. 118-121)**

$$ph_{\mathrm{w}}^{Concat} = \begin{cases} \mathrm{sgn}(ph_{\Delta}^{Concat}) = -1, -1 * (1 - \frac{w_N}{\mathrm{E}(w_N^B)}) \\ \mathrm{sgn}(ph_{\Delta}^{Concat}) = 1, 1 - \frac{\mathrm{E}(w_N^B)}{w_N} \\ 0 \end{cases}$$

$w_{Clitic} = \frac{w_N}{\mathbb{W}_N} * \sum \frac{\mathrm{ph}_{\mathrm{w}}^{Concat}}{\mathbb{ph}_N}$ $\mathrm{p} \in \mathbb{ph} \text{ s.t. } \mathrm{w} = w^1 \mid w^2$ = A measure of the proclivity of a single word for participating in phrase concatenations of this type, in any position (it may be necessary to introduce a divide-by-2 term)
$w_{Proclitic} = \frac{w_N}{\mathbb{W}_N} * \sum \frac{\mathrm{ph}_{\mathrm{w}}^{Concat}}{\mathbb{ph}_N}$ $\mathrm{p} \in \mathbb{ph} \text{ s.t. } \mathrm{w} = w^1$ = A measure of the proclivity of a single word for participating in phrase concatenations of this type, in the initial position
$w_{Enclitic} = \frac{w_N}{\mathbb{W}_N} * \sum \frac{\mathrm{ph}_{\mathrm{w}}^{Concat}}{\mathbb{ph}_N}$ $\mathrm{p} \in \mathbb{ph} \text{ s.t. } \mathrm{w} = w^2$ = A measure of the proclivity of a single word for participating in phrase concatenations of this type, in the final position within the phrase

where

$w^B \rightarrow w \text{ s.t. } w^B \in \mathbb{W}, w \in \mathbb{W}, w^B = w^1 + w^2 \text{ s.t. } w^1 + w^2 \in \mathbb{ph}_{L=2 \mid 3}$ - An existing "base" word produced from the combination of 2 words paired together in an existing phrase
$\mathrm{E}(ph_N^L)$ = The expected count of a phrase, calculated from the document counts of its individual words. For $ph_{L=2}$ this is identical to $\mathrm{E}(w_N^1 \rightarrow w_N^2)$ calculated earlier and stored in the WordRelationshipTable
$\mathrm{E}(w_N^B) = \mathrm{E}(ph_N^L)$ = The expected count of the resulting word, which is only identical to the Expected Count of the phrase for the purposes of this concatenation exercise
$ph_{\Delta}^{Concat} = \sum \mathrm{E}(w_N^B) - \sum \mathrm{E}(ph_N^{Ablated})$ = A probabilistic difference measuring the affinity of a given phrase for producing known Voynich words through concatenation. This is aggregated over a single word because each phrase can have just 1 concatenation product

Due to sloppy record-keeping, we were unable to locate our data and original code for these equations and had to recreate them from memory years after the fact. The representation of the underlying calculations may therefore be incorrect, although the data is probably solid; any errors in the latter are unlikely to impact the model much at all.

Measure of Participation in the Interior of Voynich Clauses by Part of Speech **(eq. 122)**

$\mathbb{w}_{\Delta}^{\mathcal{G} \nvDash \mathrm{CM}} = \mathrm{ABS}((1 - \mathbb{w}'_{\mathcal{G} \vDash \mathrm{CM}} - \mathrm{E}(\mathbb{w}'_{\mathcal{G} \vDash \mathrm{CM}})))$ = A probabilistic measure of the affinity for a particular part of speech for the interior of Voynich clauses (i.e., a lack of participation in clause markers)

where

$\mathcal{G} \in$ {Noun [yo]-Slot, Verb a-Base, Modifier y-Base, Verb Double a-Base, Verb Suffixed a-Base, a-Base + y-Base Compound, c | cs + $e^{0\text{-}4}$[lrs], c | cs | c[fptk] | [tk] + $e^{0\text{-}4}$d, Consonant Clusters + Complex X-Words, Unassigned,

Detached Class Modifier, c | cs | c[fptk] + $e^{0\text{-}4}$[fptk], Single-Letter Word, c | cs | c[fptk] + $e^{0\text{-}4}$[mg], Other $e^{1\text{-}4}$s Endings, c | cs | c[fptk] + $e^{0\text{-}4}$n} – The permissible part-of-speech values stored at the time of this exercise in the FinalPartOfSpeech column in the WordTable, i.e. the grammatical category
$\mathbb{w}^{\mathcal{G}}$ = The set of all words belonging to a particular grammatical category.
$\mathbb{w}_{\mathrm{N}}^{\mathcal{G}\vDash\mathrm{CM}}, \mathbb{w}'_{\mathcal{G}\vDash\mathrm{CM}}$ = The empirical count and actual probability of all instances where the indicated part of speech occurs in a clause marker
$\mathrm{E}(\mathbb{w}_{\mathrm{N}}^{\mathcal{G}\vDash\mathrm{CM}}), \mathrm{E}(\mathbb{w}'_{\mathcal{G}\vDash\mathrm{CM}})$ = The expected count and probability of all instances where the indicated part of speech occurs in a clause marker

This formula is used in Table 16.4.

Position Specificity Score ($\mathbb{t}_N^k$) by Ordinal Text Sequence Position **(eq. 123)**

$\mathbb{t}_N^k = \frac{\sum \mathbb{t}_N^{w(k)} * w_N^{\mathbb{t}(\mathrm{k})}}{\sum \mathbb{t}_N^{w(k)}}$ s.t. $\sum \mathbb{t}_N^{w(k)} > 3$ = The position specificity score for a given ordinal position across all qualifying words and text sequences, with a minimum position count filter applied

where

$\mathbb{w} \in \mathbb{W} \xrightarrow{\Phi} \overline{\mathbb{W}}$ s.t. Φ = w – [q | fptk | b]- = An altered version of the document word set defined by the deletion of q- and [fptk | b]-prefixes.
$\mathbb{t} = \forall \mathrm{t}$ s.t. $t_N^w >= 5 \wedge \notin \{\mathbb{T}^{\P,\P_1}, \mathbb{T}^{\mathbb{F}}, \mathbb{T}^{\odot}\}$ = A restricted set of text sequences defined in part by a word count filter.
$\mathbb{t}_N^{w(k)}$ = The count of instances where a specific word appear at a specific ordinal position within a
$w_N^{\mathbb{t}(\mathrm{k})} = \frac{\mathbb{t}_N^{w(k)}}{w_N}$ = The position specificity score for a single word for the indicated ordinal position within qualifying text sequences

These figures are used in Table 16.6.

Mean Initial Position for Parts of Speech within Paragraphs ($\mathbb{t}\P_{\mu(k=init)}^{\mathcal{G}}$) **(eq. 124)**

$\mathbb{t}\P_{\mu(k=init)}^{\mathcal{G}}$ = The mean initial position of a selected part of speech group within paragraphs

where

$\mathcal{G} \in$ {Noun [yo]-Slot, Verb a-Base, Modifier y-Base, Verb Double a-Base, Verb Suffixed a-Base, a-Base + y-Base Compound, c | cs + $e^{0\text{-}4}$[lrs], c | cs | c[fptk] | [tk] + $e^{0\text{-}4}$d, Consonant Clusters + Complex X-Words, Unassigned, Detached Class Modifier, c | cs | c[fptk] + $e^{0\text{-}4}$[fptk], Single-Letter Word, c | cs | c[fptk] + $e^{0\text{-}4}$[mg], Other $e^{1\text{-}4}$s Endings, c | cs | c[fptk] + $e^{0\text{-}4}$n} – The permissible part-of-speech values stored at the time of this exercise in the FinalPartOfSpeech column in the WordTable, i.e. the grammatical category
$\mathbb{w}^{\mathcal{G}}$ = The set of all words belonging to a particular grammatical category.

These figures are used in Table 16.7.

Clause Marker Participation Scores by Part of Speech ($\mathbb{w}_{\mathrm{CMC}}^{\mathcal{G}}$, $\mathbb{w}_{\mathrm{CM}}^{\mathcal{G}}$) **(eqs. 125-126)**

$\mathbb{w}_{\mathrm{CMC}}^{\mathcal{G}} = \frac{\mathbb{w}_{\mathrm{N}}^{\mathcal{G}\vDash\mathrm{CMC}}}{\mathbb{w}_{\mathrm{N}}^{\mathcal{G}\vDash\mathrm{CMC}} + \mathbb{w}_{\mathrm{N}}^{\vDash\mathrm{CM},\nvDash\mathrm{CMC}}} - \frac{\mathbb{w}_N^{\mathcal{G}}}{\mathbb{W}_N}$ = A probabilistic difference measure of the affinity of a particular part of speech for clause marker clusters
$\mathbb{w}_{\vDash\mathrm{CM},\nvDash\mathrm{CMC}}^{\mathcal{G}} = \frac{\mathbb{w}_{\mathrm{N}}^{\mathcal{G}\vDash\mathrm{CM},\nvDash\mathrm{CMC}}}{\mathbb{w}_{\mathrm{N}}^{\mathcal{G}\vDash\mathrm{CMC}} + \mathbb{w}_{\mathrm{N}}^{\vDash\mathrm{CM},\nvDash\mathrm{CMC}}} - \frac{\mathbb{w}_N^{\mathcal{G}}}{\mathbb{W}_N}$ = A probabilistic difference measure of the affinity of a particular part of speech for clause markers, but not clusters thereof

where

$\mathcal{G} \in$ {Noun [yo]-Slot, Verb a-Base, Modifier y-Base, Verb Double a-Base, Verb Suffixed a-Base, a-Base + y-Base Compound, c | cs + $e^{0\text{-}4}$[lrs], c | cs | c[fptk] | [tk] + $e^{0\text{-}4}$d, Consonant Clusters + Complex X-Words, Unassigned, Detached Class Modifier, c | cs | c[fptk] + $e^{0\text{-}4}$[fptk], Single-Letter Word, c | cs | c[fptk] + $e^{0\text{-}4}$[mg], Other $e^{1\text{-}4}$s Endings, c | cs | c[fptk] + $e^{0\text{-}4}$n} – The permissible part-of-speech values stored at the time of this exercise in the FinalPartOfSpeech column in the WordTable, i.e. the grammatical category
$\mathbb{w}^{\mathcal{G}}$ = The set of all words belonging to a particular grammatical category.
$\mathbb{w}'_{\mathcal{G}} = \frac{\mathbb{w}_N^{\mathcal{G}}}{\mathbb{W}_N}$ = The empirical probability of all words belonging to a particular grammatical category, at the document level of granularity
$\mathbb{w}_{\mathrm{N}}^{\mathcal{G}\vDash\mathrm{CMC}}$ = The empirical count of all instances where the indicated part of speech occurs in a clause marker cluster
$\mathbb{w}_{\mathrm{N}}^{\mathcal{G}\vDash\mathrm{CM},\nvDash\mathrm{CMC}}$ = The empirical count of all instances where the indicated part of speech occurs in a clause marker, but not a cluster thereof

This formula was used to derive Tables 16.9-10.

"Flatbed" Folio Participation Scores for Symbols ($s_A^{\mathbb{rv}=\text{Flatbed}\{0,1,2,3.1-3,4.1-3,5\}}$) and Words ($w_A^{\mathbb{rv}=\text{Flatbed}\{0,1,2,3.1-3,4.1-3,5\}}$) (eqs. 127-128)

$w_A^{\mathbb{rv}=\text{Flatbed}\{0,1,2,3.1-3,4.1-3,5\}} = \frac{\mathbb{w}_N^{Flatbed} - E(\mathbb{t}_N^{Flatbed})}{\mathbb{t}_N^{Flatbed} + \bar{\mathbb{t}}_N^{Flatbed}}$ = The affinity of a single word for a selected subsection defined by a "flatbed" subtype, determined by the divergence between the actual and expected counts

where

$\mathbb{t}^{Flatbed=0} \in \mathbb{rv}$ ={f26r-v, f31r-v, f33r-f34v, f39r-f41v, f43r-v, f46r-v, f48r-v, f50r-v, f54r-f55v, f57r, f65v, f66v, f90r2, f90v2-v1, f94r-f95v1} = The set of all text sequences occurring in the specified folio set, denoted by rv as recto/verso.

$\mathbb{t}^{Flatbed=1} \in \mathbb{rv}$={f2r, f4v, f5v, f7v, f11r-v, f16v, f18r, f21v, f22v, f30v, f32r, f42r-v, f49r, f51v, f96r}

$\mathbb{t}^{Flatbed=2} \in \mathbb{rv}$={f1v, f4r, f5r, f9v, f13r-v, f19r-v, f22r, f24r, f29r, f32v, f35v, f47v}

$\mathbb{t}^{Flatbed=3.1} \in \mathbb{rv}$={f14r, f45r}

$\mathbb{t}^{Flatbed=3.2} \in \mathbb{rv}$={f2v, f6r, f15v, f20v, f28v, f37r, f38v, f47r, f51r}

$\mathbb{t}^{Flatbed=3.3} \in \mathbb{rv}$={f10r-v, f15r, f17v, f18v, f27r, f28r, f29v, f35r, f36v, f44v, f56r-v}

$\mathbb{t}^{Flatbed=4.1} \in \mathbb{rv}$={f8r, f49v}

$\mathbb{t}^{Flatbed=4.2} \in \mathbb{rv}$={f3v, f14v, f16r, f17r, f23r, f24v, f27v, f30r, f44r, f87r-v, f90r1, f93r, f96v}

$\mathbb{t}^{Flatbed=4.3} \in \mathbb{rv}$={f3r, f6v, f7r, f8v, f9r, f20r, f21r, f23v, f25r-v, f36r, f37v, f38r, f45v, f52r-f53v, f93v}

$\mathbb{t}^{Flatbed=5} \in \mathbb{rv}$={f65r}

$\mathbb{t}^{Flatbed}$= Flatbed $\in$ {0,1,2,3.1-3,4.1-3,5} = One of the text sequence sets defined by Section 1 folios and their flatbed subtypes

$\bar{\mathbb{t}}^{Flatbed} = \mathbb{t} \in \mathbb{t}^{\S=1}, \mathbb{t} \notin \mathbb{t}^{Flatbed}$= The set complement of the selected flatbed subtype, within Section 1

$\mathbb{rv}_A^{Flatbed=0}$= A subjective score assigned to weight the degree of fitness for participation in the Flatbed = 0 group. The "anti-flatbed" groups do not employ such a score.

$\mathbb{rv}_A^{Flatbed} = \begin{cases} Flatbed = 0, \mathbb{rv}_A^{Flatbed=0} \\ 1 \end{cases}$ = A membership score assigned to each flatbed group, based solely on $\mathbb{rv}_A^{Flatbed=0}$

$E(\mathbb{t}_N^{Flatbed}) = \frac{\mathbb{t}_N^{Flatbed} * \mathbb{rv}_A^{Flatbed}}{\mathbb{t}_N^{\S=1}} * \boldsymbol{w}_N^{\S=1}$= The expected count of a single word appearing in that flatbed subset,based on counts drawn solely from Section 1 folios

The formula for symbols is identical to that for words, with the substitution of symbol-level objects in each equation of course.

Visual Property Weight ($w_{VPW}^{Property}$) (eq. 129)

$$w_{VPW}^{Property} = (0.15 + (\frac{1}{w_N})) * (0.15 + \frac{w_A^1 + w_A^4}{2}) * w_\lambda^{Property}$$

where

$w_\lambda^{Property} = \frac{\mathbb{w}_N}{\mathbb{W}_N} * \frac{\mathbb{t}_N^{\text{rv s.t. } f_{ID} > 0}}{\mathbb{t}_N^{\text{rv s.t. } \S=1}}$ =A weight based on the incidence rate of that word in the manuscript and the counts of words in qualifying folios bearing the selected property, compared to the herbal section word count.

The property assignments were still far from complete at this point, when Version #29 was still in use. The number of available properties was also far less comprehensive. Furthermore it was assigned at the less useful granularity of individual words rather than word categories. The statistic was later discarded in favor of more accurate PPV scoring. It is possible that the second term of $w_\lambda^{Property}$was actually derived from an even cruder distinct count of qualifying folios rather than their word counts, but the point is moot now; this is mainly of historical value is not worth rechecking rigorously.

PPV Affinity Scoring for Word Categories and Voynich Object Properties (eq. 130)

$\mathbb{w}_{PPV}^{Property}$ = PPV - E(PPV)

where

TP = The true positive count for the selected word category/property combination

FP = The false positive count for the selected word category/property combination

E(TP) = $\frac{\mathbb{f}_{ID}}{\mathbb{F}_{ID}} * \frac{\mathbb{w}_N}{\mathbb{W}_N} * \mathbb{t}_N^{\mathbb{W}}$ s.t. $f_{ID} > 0$ = The expected true postive count for the same combination, where $\mathbb{f}_{ID}$ = The aggregated Identification Scores for a particular Voynich property defined at the folio level (for practical purposes, only the herbal section folios). The is the count of words of any category in the qualifying text sequences

E(FP) = $\frac{(1-f_{ID})}{\mathbb{F}_{ID}} * \frac{\mathbb{w}_N}{\mathbb{W}_N} * \mathbb{t}_N^{\mathbb{W}}$ s.t. $f_{ID} = 0$ = The expected false postive count for the selected word category/property combination

E(PPV) = $\frac{E(TP)}{E(TP+FP)}$

This is equivalent to a probability difference score. The comparison is often specified inversely as $\text{Property}_{PPV}^{\mathbb{W}}$. The formula ought to be verified

(especially the manuscript-wide $\mathbb{F}_{ID}$ terms for E(TP) and E(FP), which might be errata)

Sectional Affinity Scores for Semantic Word Categories ($\mathbb{w}_A^{\S\in\{0-6\}}$) **(eq. 131)**

$$\mathbb{w}_A^{\S\in\{0-6\}} = \frac{\mathbb{w}_N^{\S\in\{0-6\}} - \mathrm{E}(\mathbb{w}_N^{\S\in\{0-6\}})}{\mathbb{w}_N^{\S\in\{0-6\}}}$$

where

$\mathrm{P}(\mathbb{w}^{\S\in\{0\text{-}6\}}) = \frac{\mathbb{w}_N^{\S\in\{0-6\}}}{\mathbb{w}_N}$ = The probability of any word appearing in the specified section

$\mathrm{E}(\mathbb{w}_N^{\S\in\{0-6\}}) = \mathrm{s}_N * \mathrm{P}(\mathbb{w}^{\S\in\{0\text{-}6\}})$ = The expected count of a particular word category within a specified section

This is essentially a special case of the general formula employed in eqs. 1-4.

Affinity Scores between Established Word Categories and 4 Plant Part Subsections of the Pharmacopeia ($\mathbb{w}_A^{RLS=\{1-4\}}$) **(eq. 132)**

$\mathbb{w}_A^{Canister=\{Ornate\ +Pointed\ Top,Ornate,Plain,Ornate+Flat\}} = \frac{\mathbb{w}_N^{RLS} - E(\mathbb{t}_N^{RLS})}{\mathbb{t}_N^{RLS} + \bar{\mathbb{t}}_N^{RLS}}$ = The affinity of a word category for a selected subsection defined by a root-leaf subtype, determined by the divergence between the actual and expected counts

where

$\mathbb{t}^{RLS=1} \in \mathbb{rv}$ ={f99r-v} = The set of all text sequences occurring in the specified folio set, denoted by rv as recto/verso. This particular subset is highly correlated with tuberous roots.

$\mathbb{t}^{RLS=2} \in \mathbb{rv}$={f88r-v, f89r1-v1, f102r1-2, f102v1} = The root-oriented subset

$\mathbb{t}^{RLS=3} = \mathbb{t}^{RLS=1} \cap \mathbb{t}^{RLS=2}$ = The superset of tuber and root-related folios

$\mathbb{t}^{RLS=4} \in \mathbb{rv}$={f100r-v , f101r1-v1, f102v2} = The leaf-oriented subset

$\mathbb{t}^{RLS}$= RLS $\in$ {1-4} = One of 4 text sequence sets defined by Section 4 folios and their root-leaf subset type

$\bar{\mathbb{t}}^{RLS} = \mathbb{t} \in \mathbb{t}^{\S=4}, \mathbb{t} \notin \mathbb{t}^{RLS}$= The set complement of the selected root-leaf subtype, within Section 4

$E(\mathbb{t}_N^{RLS}) = \frac{\mathbb{t}_N^{RLS}}{\mathbb{t}_N^{\S=4}} * \mathbb{w}_N^{\S=4}$= The expected count of a word category appearing in that root-leaf type subset,based on counts drawn solely from Section 4 folios

Affinity Scores between Established Word Categories and 4 Canister Type Subsections of the Pharmacopeia ($\mathbb{w}_A^{Canister=\{Ornate\ +Pointed\ Top,Ornate,Plain,Ornate+Flat\}}$) **(eq. 133)**

$\mathbb{w}_A^{Canister=\{Ornate\ +Pointed\ Top,Ornate,Plain,Ornate+Flat\}} = \frac{\mathbb{w}_N^{Canister} - E(\mathbb{t}_N^{Canister})}{\mathbb{t}_N^{Canister} + \bar{\mathbb{t}}_N^{Canister}}$ = The affinity of a word category for a selected subsection defined by a canister subtype, determined by the divergence between the actual and expected counts

where

$\mathbb{t}^{Plain} \in \mathbb{rv}$={f99r-f102r2}= The set of all text sequences occurring in the specified folio set, denoted by rv as recto/verso

$\mathbb{t}^{Ornate\ +Pointed\ Top} \in \mathbb{rv}$={f88r-f89v1}

$\mathbb{t}^{Ornate+Flat} \in \mathbb{rv}$={f102v2-1}

$\mathbb{t}^{Ornate} = \mathbb{t}^{Ornate\ +Pointed\ Top} \cap \mathbb{t}^{Ornate+Flat}$

$\mathbb{t}^{Canister}$= Canister $\in$ {Plain, Ornate + Pointed Top, Ornate + Flat, Ornate} = One of 4 text sequence sets defined by Section 4 folios and their canister subtypes

$\bar{\mathbb{t}}^{Canister} = \mathbb{t} \in \mathbb{t}^{\S=4}, \mathbb{t} \notin \mathbb{t}^{Canister}$= The set complement of the selected canister subtype, within Section 4

$E(\mathbb{t}_N^{Canister}) = \frac{\mathbb{t}_N^{Canister}}{\mathbb{t}_N^{\S=4}} * \mathbb{w}_N^{\S=4}$= The expected count of a word category appearing in that canister type subset,based on counts drawn solely from Section 4 folios

Line, Clause and Paragraph Position Affinity Scores by Word Subsets ($\mathbb{w}_A^{\ell(k)}$, $\mathbb{w}_A^{cl(k)}$,$\mathbb{w}_A^{\P(k)}$) **(eqs. 134-135)**

$\mathbb{w}_A^{\ell(k)} = \mathbb{w}_\mu^{\ell(k)}$ s.t. $\ell \in \mathrm{t}^{\P}(\boldsymbol{\ell}^1,\boldsymbol{\ell}^2\ldots\boldsymbol{\ell}^L)$, $\mathrm{k} \in \mathrm{t}^{\ell}(\mathrm{w}^1, \mathrm{w}^2\ldots\mathrm{w}^L)$, $\mathrm{w} \in \mathbb{w}$ = The average line position of the specified word category, aggregated solely over Voynich paragraphs

$\mathbb{w}_A^{cl(k)} = \mathbb{w}_\mu^{\mathrm{cl}(k)}$ s.t. $\mathrm{cl} \in \mathrm{t}^{\P}(\mathbf{cl}^1,\mathbf{cl}^2\ldots\mathbf{cl}^L)$, $\mathrm{k} \in \mathrm{t}^{\mathrm{cl}}(\mathrm{w}^1, \mathrm{w}^2\ldots\mathrm{w}^L)$, $\mathrm{w} \in \mathbb{w}$ = The average clause position of the specified word category, aggregated solely over Voynich paragraphs

$\mathbb{w}_A^{\P(k)} = \mathbb{w}_\mu^{\P(k)}$ s.t. $\mathrm{k} \in \mathbb{T}^{\P}(\mathrm{w}^1, \mathrm{w}^2\ldots\mathrm{w}^L)$, $\mathrm{w} \in \mathbb{w}$ = The average paragraph position of the specified word category

Directionality Distances between Word Categories ($D_\Delta^{(w1,w2)\rightarrow}$, $D_N^{(w1,w2)\rightarrow}$, $B_{(w1,w2)}^{\rightarrow}$) **(eqs. 136-138)**

$D_\Delta^{(w1,w2)\rightarrow} = \mathbb{p}\mathbb{h}_\Delta^{(w1,w2)\rightarrow} - \mathbb{p}\mathbb{h}_\Delta^{(w1,w2)\leftarrow}$ = The difference in probability differences between the left → right and right → directions for a pair of word categories

$D_{\mathrm{N}}^{(w1,w2)\rightarrow} = \frac{D_{\mathrm{N}}^{(w1,w2)\rightarrow}}{D_{\mathrm{N}}^{\leftarrow(w1,w2)\rightarrow}}$= A weighted comparison between the counts of left → right and right → directions for a pair of word categories (this can be alternately specified using the probability differences)

$B_{(w1,w2)}^{\rightarrow} = \frac{(\mathbb{w}^1 + \mathbb{w}^2)\mathrm{N}}{(\mathbb{w}^1 + \mathbb{w}^2)\mathrm{N} + (\mathbb{w}^2 + \mathbb{w}^1)\mathrm{N}}$= The strength of the affinity of this pair of word categories for a left-to-right direction

where

$\mathbb{pn}_{\Delta}^{(w1,w2)\rightarrow} = (\mathrm{P}(\mathbb{pn}_{\mathrm{N}}^{(w1,w2)\rightarrow}) - \mathrm{E}(\mathbb{pn}_{\mathrm{N}}^{(w1,w2)\rightarrow})) * \mathbb{pn}_{\mathrm{N}}^{2}$ = The difference between the actual and expected probabilities for a given pair of word categories

Mean Distances from the Midpoints of Paragraphs ($\mathbb{T}_{\mu}^{\mathrm{ABS}(w(\mathrm{k})-\mathrm{t}(\mathrm{Mid}))}$) and Clauses ($\mathbb{CL}_{\mu}^{\mathrm{ABS}(w(\mathrm{k})-\mathrm{cl}(\mathrm{Mid}))}$) by Word Category **(eqs. 139-140)**

$\mathbb{CL}_{\mu}^{\mathrm{ABS}(w(\mathrm{k})-\mathrm{cl}(\mathrm{Mid}))}$ = The average distance of all instances of a given word category from the midpoints of all clauses

$\mathbb{T}_{\mu}^{\mathrm{ABS}(w(\mathrm{k})-\mathrm{t}(\mathrm{Mid}))}$ = The average distance of all instances of a given word category from the midpoints of all text sequences

where

$\mathbb{w}$ = The subset of all words in the document that are members of the given word category

$\mathrm{ABS}(\mathbb{w}_{\mathrm{k}} - \mathrm{t}_{\mathrm{Mid}})$ = The distance of a given instance of that word category from the midpoint of a given text sequence

$\mathrm{ABS}(\mathbb{w}_{\mathrm{k}} - \mathrm{cl}_{\mathrm{Mid}})$ = The distance of a given instance of that word category from the midpoint of a given clause

These measures are employed in Tables 25.16-17.

Weighted Scores of Correlation ($t_{IS}^{\mathrm{tp}\in\S=5}$) for Section 5 paragraphs vs. Rosette Lines, Canister Lines, Zodiac Page Sets and Balneological Figure Sets, in Terms of Common Word Categories **(eqs. 141-144)**

$t_{IS}^{\mathrm{tp}\in\S=5} = \frac{t_{\lambda}}{3} * \frac{w_N}{\mathbb{w}_N} * \frac{\mathbb{w}_N}{\mathbb{w}_N} * \begin{cases} w^1 = w^2, 1 \\ \mathbb{w}^1 = \mathbb{w}^2 \wedge w^1 \neq w^2, 0.5 \\ 0 \end{cases}$, s.t. $\mathbb{t}^{\P\in\S=5}\ \mathcal{R}\ \mathbb{t}^{\S\mathrm{L}} \mid \mathbb{t}^{\mathrm{f}\in\mathrm{tp}\in\S=3} \mid \mathbb{t}^{\mathrm{Zodiac}}$ = The Integrated Scores per Section 5 paragraph used in Tables 31.15-21, in terms of the canister line, balneological figure and Zodiac page levels of granularity, with various weights applied to account for the degree of congruity in word and word category matches, as well as the size of the Section 5 paragraph

$t_{IS}^{\mathrm{tp}\in\S=5} = \frac{t_{\lambda 1}^{\circledast\mathrm{L}=\{1-9\}} + t_{\lambda 2}^{\circledast\mathrm{L}=\{1-9\}}}{3} * \frac{t_{\lambda}}{} * \frac{w_N}{\mathbb{w}_N} * \frac{\mathbb{w}_N}{\mathbb{w}_N} * \begin{cases} w^1 = w^2, 1 \\ \mathbb{w}^1 = \mathbb{w}^2 \wedge w^1 \neq w^2, 0.5 \\ 0 \end{cases}$, s.t. $\mathbb{t}^{\P\in\S=5}\ \mathcal{R}\ \mathbb{t}^{\circledast\mathrm{L}=\{1\text{-}9\}}$ = The Integrated Scores per Section 5 paragraph used in Tables 31.12-14, for qualifying comparisons to Rosette lines

where

$\mathbb{w}$ = The subset of all words in the document that are members of the given word category

$\mathbb{t}^{\circledast\mathrm{L}=\{1\text{-}9\}}$ = The set of all text sequences aligned with a specific Rosette, including cosmological diagrams mapped to them (i.e. the "Rosette line")

$\mathbb{t}^{\S\mathrm{L}}$ = A canister caption coupled with the labels of all Section 4 phytomorphs aligned with it (i.e. the "canister line")

$\mathbb{t}^{\mathrm{Zodiac}}$ = The set of all text sequences appearing on a folio in the f70v2-f74v range associated with a specific Zodiac. Each sign has a single page except Aries (f70v1-f71r) and Taurus (f71v-f72r1).

$\mathbb{t}^{\mathrm{f}\in\mathrm{tp}\in\S=3}$ = The set of all figures associated with a specific page in Section 3

$\mathbb{t}^{\P\in\S=5}$ = The set of individual paragraphs in Section 5

$t_N^{\P\in\S=5}$ = The count of all words in a Section 5 paragraph

$t_{\lambda} = \frac{w_N^{\P\in\S=5}}{t_N^{\P\in\S=5}}$ = The instance count of a single word participating in a single Section 5 paragraph weighted by the count of all words appearing there, i.e. the "sequence weight"

$t_{\lambda 1}^{\circledast\mathrm{L}=\{1-9\}} = \mathbb{w}_N^{\P} * \begin{cases} 1 \\ \circledast\mathrm{L} = \{1,2\}, 0.5 \end{cases} / \sum \mathbb{w}_N^{\P\in\S=5} * \begin{cases} 1 \\ \circledast\mathrm{L} = \{1,2\}, 0.5 \end{cases}$ = A weight dependent on the Rosette line and the instance counts of words in the specific word categories, occurring within the participating figures, at the granularity level of a single paragraph

$t_{\lambda 2}^{\circledast\mathrm{L}=\{1-9\}} = \mathbb{w}_N^{\P} * \begin{cases} \circledast\mathrm{L} \ni \mathrm{tp} = \{\mathrm{f86v5}\}, 1 \\ 0.5 \\ \circledast\mathrm{L} \ni \mathrm{tp} = \{\mathrm{f85r2}, \mathrm{f86v3}\}, 0.25 \end{cases} / \sum \mathbb{w}_N^{\P\in\S=5} * \begin{cases} \circledast\mathrm{L} \ni \mathrm{tp} = \{\mathrm{f86v5}\}, 1 \\ 0.5 \\ \circledast\mathrm{L} \ni \mathrm{tp} = \{\mathrm{f85r2}, \mathrm{f86v3}\}, 0.25 \end{cases}$ = A weight dependent on the identities of the folios participating in that Rosette line, as well as the instance counts of words in the specific word categories, occurring within the participating figures, at the granularity level of a single paragraph

Appendix E: The Voynich Dictionary

This content will be provided shortly after the release of the prepublication edition in Nov. 2024. The final edition is slated for release that December.

Select Bibliography and End Notes for Volume III

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[3] Also widely used on the Internet but without citations, making it difficult to properly credit the original author. For an example see Allison Menu's undated Pinterest page "Enochian Alphabet" at https://www.pinterest.com/pin/276056652132378526/

[4] See the Wikipedia page "Metonic Cycle" at https://en.wikipedia.org/wiki/Metonic_cycle

[5] I believe it appears on f42r, but have not yet examined the document myself directly to be certain. See Palmer, 2014 and Palmer, Sept. 25, 2018.

[6] Palmer, James, Sept. 19, 2018.

[7] See the British Library Catalogue of Illuminated Manuscripts web address http://www.bl.uk/catalogues/illuminatedmanuscripts/ILLUMIN.ASP?Size=mid&IllID=5132

[8] Palmer, Sept. 19, 2018.

[9] See The Vatican Library DigiVatLab service web address https://digi.vatlib.it/view/MSS_Vat.lat.1339

[10] See the Universitat Heidelberg webpage for Vatikan, Biblioteca Apostolica Vaticana, Pal. lat. 1439 at https://digi.ub.uni-heidelberg.de/diglit/bav_pal_lat_1439 Originally found at Baptiste, Jean-Paul, 2017, "Bell Towers," posted May 8, 2017 at the Macro-Typography web address https://macrotypography.blogspot.com/2017/05/bell-towers.html

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[18] For direct access to these folios, see the University of Pennsylvania OPenn project webpage "LJS 443 Collection of Texts on the Calendar" at https://openn.library.upenn.edu/Data/0001/html/ljs443.html
[19] See "The Calendar & the Cloister: Oxford-St. John's College MS17," posted in 2007 at the McGill University Library. Digital Collections Program web address https://digital.library.mcgill.ca/ms-17/folio.php?p=5v&showitem=5v_2ComputusRelated_11Alphabets#i1

[20] See the Wikipedia page "Bellesguard" at https://en.wikipedia.org/wiki/Bellesguard

[21] See the RawPixel webpage "Octagram Pebble Pattern on the Floor," undated webpage published at https://www.rawpixel.com/image/1231947/patterned-brick-work. Originally found at the "8-Pointed Star Meaning: Octagram, the Star of Lakshmi and Ishtar Symbolism and Tattoo Ideas," an undated webpage with no author listed, published at the Symbols and Meanings webpage https://symbolsandmeanings.net/8-pointed-star-meaning-octagram-star-of-lakshmi-ishtar-symbolism-tattoo/

[22] See the Wikipedia page "Venus" at https://en.wikipedia.org/wiki/Venus

[23] p. 234-235, Collin.

[24] Charles Walker Collection, 2018, "Calendars - Images of the Seven Days of the Week from an English Shepherd's Calendar of Circa 1500," published April 12, 2018 at the Alamy Stock Photo webpage https://www.alamy.com/calendars-images-of-the-seven-days-of-the-week-from-an-english-shepherds-calendar-of-circa-1500-image179622862.html?imageid=58441B86-7939-441A-B349-CBA85E01DBD3&p=647609&pn=1&searchId=d95b2c9a26fad1a2d372f85311b5cb0c&searchtype=0

[25] See the undated webpage "Personification of Luna" at the Science Photo Library web address https://www.sciencephoto.com/media/533730/view/personification-of-luna-15th-century

[26] See the webpage "The Seven Planets," no author listed, published Feb. 11, 2014 at the Astrology and Art webpage https://astrologyandart.wordpress.com/2014/02/11/the-seven-planets/
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[31] See f186r of Bav. Vat lat 1972. I have been unable to track down the website I originally copied this particular image from, but they're widely available on the Internet.

[32] See "The Calendar & the Cloister: Oxford-St. John's College MS17," posted in 2007 at the McGill University Library. Digital Collections Program web address https://digital.library.mcgill.ca/ms-17/folio.php?p=7v&showitem=7r_2ComputusRelated_20ByrhtferthsDiagram

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[34] *IBID*. See MorganBl27Elements.png. "Morgan B27 has attracted the attention of Voynich researchers due to the little flower-shape and text within concentric circles, but I was also intrigued by the content, which includes elements, traits, plants, Zodiac constellations, and month names…Note that the month names are Ianuari[us], Februari[us], Marcius, Apprilis, Maius, Iuni[us], Iulius, August[us], Septe'ber, October, Nove'ber, and Dece'ber. The language/spelling is different, but some of the abbreviation symbols are the same as the month-notes added to the VMS Zodiac figures."

[35] *IBID*. See ElementsWheelGreen.jpg. "The following diagram lists the elements and traits around the outer edge and the humors in spokes radiating from the center. It includes a schematic illustration of the moon, "planets", and stars at the top (the Sun was in the middle of the planets because it was wrongfully assumed it orbited the Earth)…" This may have originated from "Diagram Illustrating the Relationship of the Four Humors, Depicted as Radiating Diagonally from the Center, to the Temperaments, Planets, and Seasons (c.1450–1475); New York, The Morgan Library & Museum, MS B.27." Also found at McLemore, Emily, 2020, "Medieval Sexuality, Medical Misogyny, and the Makings of the Modern Witch," published Nov. 30, 2020 at the University of Notre Dame Medieval Institute web address https://medieval.nd.edu/news-events/news/from-the-i-medieval-studies-research-blog-i-medieval-sexuality-medical-misogyny-and-the-makings-of-the-modern-witch/ "…But even before the publication of the Malleus in 1487, there was De secretis mulierum, or On the Secrets of Women, an immensely popular treatise composed in the late-thirteenth or early-fourteenth century that still survives in more than 80 manuscripts. Drawing from medieval medical philosophy, the Secrets branded women as evil based on their biological composition and helped lay the foundation for the figure of the witch, which resulted in the deaths of so many women…" Another citation of a darker version labels it Liber-floribus-of-Lambert-of-St-Omer.jpg.

[36] See ElementsHumors.png at Petersen, 2019.

[37] See the post dated Sept. 22, 2016 by the user named "Medieval Manuscripts" at the Twitter web address https://twitter.com/BLMedieval/status/778902028953214976. See Cs8lcLXWEAAwMRt.jpg and Cs8ldWyWIAAT2pV.jpg. "Medieval depictions of the four seasons for the #AutumnalEquinox from https://bl.uk/catalogues/illuminatedmanuscripts/welcome.htm + http://bl.uk/manuscripts/Default.aspx." The pictures are not currently available at the cited The British Library addresses. I finally found the origin of the first picture at the Alamy Stock Photo web address https://www.alamy.com/diagram-of-the-seasons-le-breviari-damors-southern-france-early-14th-century-miniature-diagram-of-the-seasons-in-the-shape-of-a-wheel-with-four-figures-image-taken-from-le-breviari-damors-originally-publishedproduced-in-southern-france-early-14th-century-source-royal-19-c-i-f54v-language-french-provenal-image231421664.html "Diagram of the seasons. Le Breviari d'Amors. Southern France; early 14th century. (Miniature) Diagram of the seasons in the shape of a wheel with four figures. Image taken from Le Breviari d'Amors. Originally published/produced in Southern France; early 14th century. Source: Royal 19 C.

I, f.54v. Language: French (Provencal)." I have not yet been unable to determine the origin of the rightmost picture, which was accompanied by text that I cropped to highlight the diagram. A nearly identical diagram was discovered at the Bridgeman Images web address https://www.bridgemanimages.com/en-US/noartistknown/figures-of-the-seasons-c1400-the-four-seasons-appear-in-a-wheel-their-feet-on-the-globe-in-the/nomedium/asset/5339640 5339640.jpg though, titled "Figures of the Seasons, c1400. The four seasons appear in a wheel, their feet on the globe in the centre. Summer, as a woman, is at the top, dressed in a long dress and hat. The others wear short tunics. From a Catalan prose version of the "Breviari d'Amor", a poem in Provencal composed between 1288 and 1292 by Matfré Ermengau of Béziers." This enabled us to track down the Picryl.com webpage "Diagram of the Seasons from BL Royal 19 C I, f. 54v" at https://picryl.com/media/diagram-of-the-seasons-from-bl-royal-19-c-i-f-54v-3fe843. This was described as the "Detail of a miniature of a diagram of the seasons. Image taken from f. 54v of Breviari d'Amor. Written in French (Occitan) (Provencal)."

[38] See the Wikimedia Commons webpage "Astronomicum Caesareum (1540)" at https://commons.wikimedia.org/wiki/File:Astronomicum_Caesareum_%281540%29.f34.jpg

[39] For the Paleo-Hebrew and Phoenician scripts, see the Infogalactic webpage "Paleo-Hebrew Alphabet" at https://infogalactic.com/info/Paleo-Hebrew_alphabet

[40] We inserted the Voynich entry into the IOC table from the Wikipedia webpage "Index of Coincidence" at https://en.wikipedia.org/wiki/Index_of_coincidence. The kappa figures come from Emilio, Meghan and Morelli, Ralph, 2004. "Index of Coincidence," Powerpoint slide presentation published Feb.18, 2004, available at the SlidePlayer web address https://slideplayer.com/slide/5190109/ These figures are widely cited and may be drawn from a Wikipedia open source corpus.

[41] The figures for the first column are drawn from Christensen, Chris, 2015, "Cryptanalysis of the Vigenère Cipher: The Friedman Test," course materials published at the Northern Kentucky University web address https://www.nku.edu/~christensen/1402%20Friedman%20test%202.pdf. Note that the numbers are basically the same but the rankings slightly different than we cited in the introduction from p. 69, Sinkov.

[42] Cobbled together from the Wikipedia webpages "Isolating Language," "Analytic Language," "Morpheme," "Agglutinative Language" and "Fusional Language" at https://en.wikipedia.org/wiki/Isolating_language, https://en.wikipedia.org/wiki/Analytic_language, https://en.wikipedia.org/wiki/Morpheme, https://en.wikipedia.org/wiki/Agglutinative_language and https://en.wikipedia.org/wiki/Fusional_language respectively. Also see the Wikipedia webpages "Synthetic Language" and "Polysynthetic Language" at https://en.wikipedia.org/wiki/Synthetic_language and https://en.wikipedia.org/wiki/Polysynthetic_language

[43] See the Wikipedia webpage "Inflection" at https://en.wikipedia.org/wiki/Inflection

[44] See the Wikipedia webpage "Verb-Object-Subject" at https://en.wikipedia.org/wiki/Verb%E2%80%93object%E2%80%93subject, which cites Tomlin, Russell S., 1986, Basic Word Order: Functional Principles. Croom Helm: London.

[45] This was cobbled together from the table on p. 57, Nichols and the examples from p. 124-133, Tallerman, among other sources.

[46] Adapted from Gill, N.S., 2019, "Latin Personal Pronouns: Declension Table," published May 30, 2019, at the ThoughtCo web address https://www.thoughtco.com/latin-personal-pronouns-120438

[47] These 2 charts were cobbled together from Butler, Ryhan, "Glossary of Astrological Terms," undated post published at the Medieval Astrology Guide web address https://www.medievalastrologyguide.com/astrology-dictionary. The brightest stars were derived from another source, which I've subsequently lost track of.

[48] Cobbled together with the aid of Butler, Ryhan, "The Mansions of the Moon," undated webpage at the Medieval Astrology Guide web address https://www.medievalastrologyguide.com/lunar-mansions

[49] *IBID*.

[50] This is a composite of various sources. For the element-humor and weather mappings, see the undated webpage "Astrology in Medieval Medicine" at the Numerologist PRO web address https://www.numerologistpro.com/astrology/medieval-astrology/medieval-medicine/. No author listed. For linkages from the lunar phases to the 4 Elements, see the Living with the Moon web address https://www.livingwiththemoon.com/fire-earth-air-water/, which was no longer functional on our last check. This chart was also assembled with the aid of Medieval Astrology Guide, one of the most invaluable resources for understanding occult concepts of that time period. Also refer back to Byrhtferth's Diagram, where the elements appear in that alternate Fire → Earth → Air → Water order. Also see the undated Fish Eaters webpage "The Four Temperaments" at https://www.fisheaters.com/fourtemperaments.html for the portion relevant to those objects. "The humor of Blood, associated with the liver and with Air, which is the hot and moist element. A person in whom blood predominates is said to be 'sanguine,' from the Latin 'sanguis' (blood). The humor of Yellow Bile, associated with the spleen and with Fire, which is the hot and dry element. A person in whom yellow bile predominates is said to be "choleric," from the Greek 'khole' (bile). The humor of Black Bile, associated with the gall bladder and with Earth, which is the cold and dry element. A person in whom black bile predominates is said to be 'melancholic,' from the Greek 'melas' (black) and 'khole' (bile). The humor of Phlegm, associated with the lungs and brain and with Water, which is the cold and moist element. A person in whom phlegm predominates is said to be 'phlegmatic,' from the Greek "phlegmatikos" (abounding in phlegm)." The temperaments via lunar phases are derived from Osborn, David K., 2007, "Cycles and Timing," published at the Greek Medicine.net web address http://www.greekmedicine.net/medical_astrology/Cycles_and_Timing.html. "The Mutable planets, Mercury and Jupiter, are strongest when conjunct the Ascendant. This is due to the inherent Mutable nature of the Sanguine Air element. The Choleric planets, Mars and the Sun, are strongest when conjunct the Midheaven, which is also Choleric. The principal Melancholic planet, Saturn, is strongest when conjunct the Descendant, which is also Melancholic. The two feminine Phlegmatic planets, the Moon and Venus, are strongest when conjunct the Nadir, which is also Phlegmatic. I believe some of the connections to the 4 Complexions were derived from He, Angela, 2023, "The Humors and You! Medieval Health, Diet, and Humoral Theory," published Aug. 31, 2023 at the Bernard Becker Medical Library web address https://becker.wustl.edu/news/humors-and-you/.

[51] Derived from the now defunct web address http://marysia.online/pagan/planets.html?i=1 which may have belonged to the Scottish actress and practitioner of Wicca, Marysia Kay. The source quotes Ptolemy's The Quadripartite Mathematical Treatise or Tetra Biblos:

"Jupiter hot and damp, Venus warm and wet and the Moon too (so it depends on whose system you subscribe to) "In the 2nd century AD, a document known as the Tetrabiblos was written by Ptolemy. This was an astrological treatise that has become a core text in the development of modern astrology, however it did not reach Europe until 11-13AD. Book 1 in particular specifies the attributes of the planets and constellations. It separates the planets into categories..."

"These natures were determined by the planet's position in reference to the Sun (hot and dry) and the Earth (moist). The moon was moist because it was close to the earth, Mars was hot and dry because it was near the sun and red in colour, Saturn was cold and dry because it was the furthest from both the Sun and the Earth."

"Most of the moon's power consists of humidifying, clearly because it is close to the earth and because of the moist exhalations there from. Its action therefore is precisely this, to soften and cause putrefaction in bodies for the most part, but it shares moderately also in heating power because of the light which it receives from the sun."

"Jupiter has a temperate active force because his movement takes place between the cooling influence of Saturn and the burning power of Mars. He both heats and humidifies; and because his heating power is the greater by reason of the underlying spheres, he produces fertilizing winds."

"Venus has the same powers and tempered nature as Jupiter, but acts in the opposite way; for she warms moderately because of her nearness to the sun, but chiefly humidifies, like the moon, because of the amount of her own light and because she appropriates the exhalations from the moist atmosphere surrounding the earth."

"Mercury in general is found at certain times alike to be drying and absorptive of moisture, because he never is far removed in longitude from the heat of the sun; and again humidifying, because he is next above the sphere of the moon, which is closest to the earth; and to change quickly from one to the other, inspired as it were by the speed of his motion in the neighborhood of the sun itself."

"The system of four natures or humours (hot/cold and wet/dry) tie into the four elements common to us, and are Greek in origin. Other systems often had only three elements (fire, air and water). Ptolemy states that hot and wet are active and fertile while cold and dry are passive and destructive, wetness is also associated with being female. The seasons, cardinal points and winds were also associated with this four-fold system."

[52] See the Wikipedia webpage "Classical Planet" at https://en.wikipedia.org/wiki/Classical_planet

[53] See the Wikipedia webpage "Zodiac Man" at https://en.wikipedia.org/wiki/Zodiac_Man

[54] See the Wikipedia webpage "Let Expression" at https://en.wikipedia.org/wiki/Let_expression for more information.