

## PROPH Structural Statistics

Filename: AG  
 02-15-2004  
 Word List: C:\CP\CP10\HAPP-3.WDL Hodson Assessment of Phonological Patterns-T

Total Word Types 50  
 Total Word Tokens 50  
 Type-Token Ratio 1.00

## Independent Analyses

## Inventory of Word Shapes

C	0	0.0%	
V	0	0.0%	
CV	1	2.0%	Syllable Structure Level
VC	0	0.0%	(Paul & Jennings, 1992)
CVC	15	30.0%	Level 1 = 0
CnV	1	2.0%	Level 2 = 2
CnVC	13	26.0%	Level 3 = 48
VCn	0	0.0%	SSL = 2.96
C(n)VCn	4	8.0%	
2-syllable	12	24.0%	
3-syllable	3	6.0%	
4-syllable	1	2.0%	
5-syllable	0	0.0%	
6+-syllable	0	0.0%	

## Inventory of Stress Patterns

S	34	68.0%
Ss	4	8.0%
Sss	1	2.0%
Ssw	1	2.0%
Sw	8	16.0%
Sws	1	2.0%
Ssws	1	2.0%

Stress Pattern Types 7      Stress Pattern Tokens 50

## Inventory of Vowel Phones

Back Series	u	6	ä	4				
Front Series	i	4	I	10	ε	5	æ	7
Central Series	α	7	∅	6				
Diphthongs	aI	3	oI	1	aU	4	eI	4
	oU	7					eα	1
Rhotic Series	ör	2						

Vowel Types 15      Vowel Tokens 71

## Inventory of Consonant Phones

## Initial

Singletons (listed by place of articulation)

Stops	p	1	b	2	t	2	k	2	g	1
Vibrants										
Nasals	m	2	n	1						
Fricatives	f	3	v	1	θ	1	s	1	z	1
	h	2								
Affricates	tf	1	dʒ	1						
Glides	w	1	j	2						
Liquids	l	1	r	1						

Clusters	tr	1	kr	1	gr	1	θr	1	pl	1	bl	1
	kl	1	gl	2	fl	1	sp	1	st	1	sm	1
	sn	1	sw	1	sl	1	kw	1	mj	1	str	1
	skr	1	skw	1								

## Medial

Singletons (listed by place of articulation)

Stops	b	1								
Vibrants										
Nasals	m	1	n	1						
Fricatives	v	2	ð	1	s	1	z	1	Z	1
									h	1
Affricates										
Glides	w	1	j	1						
Liquids	l	2								

Clusters	dr	1	sk	1	kb	1	mp	1	nd	1	skj	1
	θbr	1										

## Final

Singletons (listed by place of articulation)

Stops	p	2	t	2	d	1	k	6
Vibrants								
Nasals	m	2	n	5	n	3		
Fricatives	f	1	v	1	θ	1	s	2
								z
Affricates	tf	1	dʒ	1				
Glides								
Liquids	l	1	r	7				

Clusters	sk	1	bz	1	dz	1	ks	1	nz	1	ts	1
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	Consonant Types	Consonant Tokens
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Initial		
singletons	13	19
clusters	27	30
Medial		
singletons	8	9
clusters	11	12
Final		
singletons	13	30
clusters	10	16
All Positions		
singletons	22	58
clusters	34	58
all phones	56	116

Relational Analyses

Word Shape Target Analysis			
Matches	100.0%	50	
Monosyllabic	68.0%	34	100.0% of all monosyllabic shapes
CV		1	
CVC		15	
CnV		1	
CnVC		13	
C(n)VCn		4	
Multisyllabic	32.0%	16	100.0% of all multisyllabic shapes
2-syllable		12	
3-syllable		3	
4-syllable		1	
Mismatches	0.0%	0	
Monosyllabic	0.0%	0	0.0% of all monosyllabic shapes
Multisyllabic	0.0%	0	0.0% of all multisyllabic shapes

Stress Pattern Target Analysis			
Matches	100.0%	50	100.0% of all multisyllabic words
S		34	
Ss		4	
Sss		1	
Ssw		1	
Sw		8	
Sws		1	
Ssws		1	
Mismatches	0.0%	0	0.0% of all multisyllabic words

Vowel Target Analysis	
Back Series	
u (+)	6
U	-
o	-
ô	-
@	-
ä (+)	4
Front Series	
i (+)	4
I (+)	10
e	-
ε (+)	5
æ (+)	7
Central Series	
a	-
}	-
α (+)	7
∅ (+)	6
Diphthongs	
aI (+)	3
oI (+)	1
aU (+)	4
eI (+)	4

ea (+)	1
oU (+)	7
Rhotic Series	
3	-
σ	-
ôr (+)	2
Percentage of Vowels Correct: 71/71 = 100.0%	
Percentage of Vowels Correct Ignoring Diacritics: 71/71 = 100.0%	

Consonant Target Analysis								
	C-	-C-	-C		C-	-C-	-C	
Stops				Liquids				
p (+)	1	0	2	l (+)	1	2	1	
b (+)	2	1	0	r (+)	1	0	7	
t (+)	2	0	2	Clusters				
d (+)	0	0	1	tr (+)	1	0	0	
k (+)	2	0	6	dr (+)	0	1	0	
g (+)	1	0	0	kr (+)	1	0	0	
Vibrants				gr (+)	1	0	0	
Γ	-	-	-	θr (+)	1	0	0	
π	-	-	-	pl (+)	1	0	0	
R	-	-	-	bl (+)	1	0	0	
Nasals				kl (+)	1	0	0	
m (+)	2	1	2	gl (+)	2	0	0	
n (+)	1	0	5	fl (+)	1	0	0	
ñ	-	-	-	sp (+)	1	0	0	
ⁿ (+)	0	1	3	st (+)	1	0	0	
Fricatives				sk (+)	0	1	1	
φ	-	-	-	sm (+)	1	0	0	
β	-	-	-	sn (+)	1	0	0	
f (+)	3	0	1	sw (+)	1	0	0	
v (+)	1	2	1	sl (+)	1	0	0	
θ (+)	1	0	1	kw (+)	1	0	0	
ð (+)	0	1	0	mj (+)	1	0	0	
s (+)	1	1	2	str (+)	1	0	0	
z (+)	1	1	2	skr (+)	1	0	0	
ʃ (+)	1	0	2	skw (+)	1	0	0	
Z (+)	0	1	0	ts (+)	0	0	1	
x	-	-	-	ks (+)	0	0	1	
t	-	-	-	dz (+)	0	0	1	
h (+)	2	1	0	bz (+)	0	0	1	
Affricates				mp (+)	0	1	0	
tʃ (+)	1	0	1	nd (+)	0	1	0	
dʒ (+)	1	0	1	nz (+)	0	0	1	
Glides				skj (+)	0	1	0	
w (+)	1	1	0	kb (+)	0	1	0	
j (+)	2	1	0	θbr (+)	0	1	0	

Percentage Frequency of Target Consonants			
Target	Count	Pct.	Mean in Connected Speech (Shriberg, 1986)
n	9	5.8%	11.95
t	8	5.2%	11.80
s	18	11.6%	6.88
r	16	10.3%	6.77
d	4	2.6%	6.13

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m	8	5.2%	5.97
õ	1	0.6%	5.39
k	18	11.6%	5.28
l	11	7.1%	5.25
w	5	3.2%	4.77
z	7	4.5%	4.65
h	3	1.9%	4.36
b	7	4.5%	3.37
g	4	2.6%	3.21
p	6	3.9%	3.19
f	5	3.2%	2.10
j	5	3.2%	1.70
n	4	2.6%	1.57
v	4	2.6%	1.53
	3	1.9%	.88
ø	4	2.6%	.86
dʒ	2	1.3%	.65
tʃ	2	1.3%	.57
Z	1	0.6%	.4
?	0	0.0%	---
Γ	0	0.0%	---
π	0	0.0%	---
R	0	0.0%	---
ñ	0	0.0%	---
Φ	0	0.0%	---
ß	0	0.0%	---
x	0	0.0%	---
τ	0	0.0%	---