

Character	All Languages (%)	Experiment (%)
e	2.7	9.2
a	3.8	8.3
s	3.0	5.4
r	2.0	5.1
t	3.0	5.0
u	4.1	4.8
i	3.5	4.7
n	1.2	4.1
o	2.7	4.0
k	3.0	4.0
l	3.0	3.5
m	4.3	3.0
p	3.8	2.5
d	2.0	2.1
h	1.2	2.1
v	2.5	1.7
g	1.0	1.7
f	2.0	1.6
b	2.8	1.5
w	3.7	1.4
x	1.6	1.3
c	1.3	1.2
u	4.0	1.0
j	1.6	0.9
y	1.5	0.8
i	0.7	0.7
l	1.4	0.6
r	0.7	0.6
s	1.9	0.5
p	0.4	0.5
k	0.4	0.4
z	1.3	0.4
e	0.4	0.4
o	0.4	0.4
c	0.9	0.3
a	0.9	0.3
o	0.3	0.3
h	0.3	0.3
t	0.8	0.3
v	0.7	0.3
y	0.6	0.3
x	0.8	0.3
k	2.8	0.3
q	0.3	0.3
t	0.1	0.3
c	0.1	0.3
j	0.5	0.3
p	0.4	0.3
h	2.5	0.3
c	0.5	0.3
o	0.3	0.3
u	0.7	0.3
a	0.3	0.3
s	0.4	0.3
y	0.5	0.3
j	0.5	0.3
r	0.7	0.3
k	0.8	0.3
g	0.3	0.3
d	0.4	0.3
j	0.1	0.3
c	0.2	0.3
u	0.1	0.3
e	0.1	0.3
q	0.1	0.3
u	0.5	0.3

Appendix 2 - Prior Frequencies

[illegible]

Appendix 2 - Prior Frequencies

e→o:

Egg.Primary	ToKnow.Cognoscere	How.Quomodo
w e b o - - o: w u m	k o - n e s - e ɣ - k o g n o: s k e r e	ʃ e m u: t - k ^w o: m o d o

e→ɔ:

Fat.Noun.Crassia	Good.Primary
g r e ʃ - k ɾ ɔ: ʧ -	b w e n o - b w ɔ: n o -

e→ë:

Ash.Primary
ʃ e n e - r e - s ë: - - d - -

e→ẽu

Tongue.Primary
l e ŋ g w a l ẽu - - -

e→ɔa

Leaf.Primary	ToKnow.Cognoscere
f w e - - e f - ɔa - j e	k o - n e s - e ɣ - k u - n ɔa ʃ t e - -

e→oj

ToRub.Primary	ToRub.Primary	ToRub.Primary	ToRub.Primary
f r e g a r - f r oj - - -	f r e g a r e f r oj - - -	f r e - a - - f r oj - - -	f r e k a - - f r oj - - -

e→ɪ

I.Primary	I.Primary	I.Primary	I.Primary
- e g o: ɖɿ - -	- e - w ɖɿ - -	- e - w ɖɿ - -	j e - w ɖɿ - -

e→r

Worm.Primary	Worm.Primary	ToDig.Excavare
v j e r m e w e r m e m	v j e r m e v e r m e -	- s k a v a r e - e k s k a w a: r e

e→k

ToRub.Primary	ToRub.Primary
f ɣ ɛj e - - f r i k a: r e	f ɣ ɛj e - - f r e k a - -

e→d

Appendix 2 - Prior Frequencies

ToSqueeze.Primary									
-	s	k	-	r	e	m	e	-	-
e	-	-	p	ɤ	ẽ	-	d	-	ɤ

e:→i:

Stone.Petra					Stone.Petra					Snow.Primary					Cold.Primary											
p	j	e:	t	r	a	p	j	e:	-	r	e	n	-	e:	f	-	-	f	r	-	e:	-	t	-	-	
p	-	i:	-	ɤ	-	p	-	i:	-	ɤ	-	n	-	i:	f	-	-	f	r	-	i:	g	i	d	u	s

e:→a:

Thin.Delicatus									
d	u:	-	-	ʒ	e:	-	-	-	-
d	e:	l	i	k	a:	t	u	s	-

e:→u

ToSmell.Olere				
o	l	e:	r	e
u	l	u	r	a

e:→u:

Day.Primary					Thin.Delicatus				
d	i	e:	s	-	d	e:	l	i	k
dʒ	-	u:	-	-	d	u:	-	-	ʒ

e:→ɛ:

Full.Primary				
p	l	e:	n	u
p	j	ɛ:	n	o

e:→ẽ

ToThink.Pensare						ToThink.Pensare						Full.Primary							
p	e:	n	s	a:	r	e	p	e:	n	s	a:	r	e	p	l	e:	n	u	s
p	ẽ	-	s	a	ɤ	-	p	ẽ	-	s	a	r	-	p	l	ẽ	-	-	-

e:→ã

ToThink.Pensare				
p	e:	n	s	a:
p	ã	-	s	e

e:→ẽ

ToThink.Pensare					Full.Primary					
p	e:	n	s	a:	p	l	e:	n	u	s
p	ẽ	-	s	e	p	l	ẽ	-	-	-

e:→ẽj

Cloud.Primary				
n	u:	b	e:	s
n	u	v	ẽj	-

Appendix 2 - Prior Frequencies

e:→ẽj

Cloud.Primary

n	u:	b	e:	s
n	u	v	ẽj	-

e:→ɐ

Day.Primary

d	i	e:	s
d	i	ɐ	-

Day.Primary

d	i	e:	s
d	i	ɐ	-

e:→i

Hair.Primary

p	-	e:	l	-	-
p	-	i	l	u	-

ToSplit.Separare

s	e:	p	a	r	a:	r	e
s	i	p	ɐ	r	a	r	-

ToSwell.Crescere

k	r	-	e:	s	k	e:	r	e
k	r	-	i	f	s	e	r	-

e:→ẽj

Sand.Primary

h	a	r	e:	n	ɑ
-	ɐ	r	ẽj	-	ɐ

Full.Primary

p	l	e:	n	u	s
f	-	ẽj	-	u	-

Full.Primary

p	l	e:	n	u	s
f	-	ẽj	-	u	-

Straight.Primary

d	i:	r	-	e:	k	t	u	s
d	i	r	-	ẽj	-	t	u	-

e:→ej

Sand.Primary

h	a	r	e:	n	ɑ
-	a	r	ej	-	ɐ

Straight.Primary

d	i:	r	-	e:	k	t	u	s
ɖʒ	i	r	-	ej	-	t	u	-

Three.Primary

t	r	-	e:	s
t	r	-	ej	-

Three.Primary

t	r	-	e:	-
t	r	-	ej	-

e:→ɑ

Three.Primary

t	r	-	e:	s
t	ɣ	w	ɑ	-

Three.Primary

t	r	-	e:	-
t	ɣ	w	ɑ	-

e:→œ

Woman.Primary

f	e:	-	m	i	-	n	-	a
f	œ	-	m	-	-	-	-	-

i→a:

Seed.Granum

g	r	i	n	-	-
g	r	a:	n	u	m

i→u:

ToWipe.Exsucare

e	-	s	ɥ	i	-	j	e	-	-
e	k	s	-	u:	k	-	a:	r	e

i→ɔ:

Appendix 2 - Prior Frequencies

Heart.Anima					
i	n	i	m	ə	
ɔ:	-	-	m	-	

i→ε:

Fog.Tenebras										Full.Primary					What.Primary					What.Primary				
t	-	i	n	j	e	b	l	a	s	p	l	i	n	-	-	k ^w	-	i	d	k	-	i	-	
t	-	ε:	n	-	e	b	r	e	-	p	j	ε:	n	o	-	k	w	ε:	-	k	w	ε:	-	

i→ø

Hair.Capillus					
k	a	p	i	l	l
ɸ	ə	v	ø	-	-

i→õ

Round.Primary						Round.Primary					
r	i	t	o	n	d	r	i	t	o	n	d
ɤ	õ	-	-	-	-	r	õ	-	-	-	-

i→ẽw̃

Seed.Granum						Seed.Granum					
g	r	i	n	-	-	g	r	i	n	-	-
g	r	ẽ	-	-	-	g	r	ẽ	-	-	-
		w̃						w̃			

i→ě:

Ash.Primary					
k	i	n	e	-	r
s	ě:	-	d	-	-

i→ẽu

Tongue.Primary						Tongue.Primary						Tongue.Primary					
l	i	n	g ^w	-	a	l	i	n	g	w	a	l	i	m	b	-	ə
l	ẽu	-	-	-	-	l	ẽu	-	-	-	-	l	ẽu	-	-	-	-

i→qa

Night.Primary						Night.Primary					
n	ɥ	i	-	-	-	n	-	i	-	t	-
n	-	qa	p	t	e	n	-	qa	p	t	e

i→aj

Ear.Primary					
o:	r	i	-	k	l
ɔ	ɤ	aj	-	-	-

i→ɔj

Appendix 2 - Prior Frequencies

ToTie.Primary	ToTie.Primary	ToTie.Primary
l i g a: r e	l i - e - -	Λ i γ a - -
l ɔj i: - - -	l ɔj i: - - -	l ɔj i: - - -

i→ej

Sun.Soliculus	ToRub.Primary	Red.Vermiculus	Red.Vermiculus
s o l i k u l u s	f r i k a: r e	v e r m i k u l u s	v e r m i Λ - Λ o -
s ɔ l ej - - -	f ʁ ej e - - -	v ε ʁ m ej - - -	v ε ʁ m ej - - -

i→iw

Seed.Granum
g r i n - -
g r iw - - -

i→m

Worm.Primary
v e ʁ m i -
v j e r m e

i→s

YouPlural.Primary	Head.Primary
v o: i -	k a p i - t i a
v ɔj s -	k a v e t t s a

i→ʁ

ToDrink.Primary
b - e v i - -
b ø: - - ʁ - -

i→e:

Stone.Petra	Stone.Petra	Snow.Primary	Cold.Primary
p - i: - ʁ - -	p - i: - ʁ - -	n - i: f - -	f r - i: g i d u s
p j e: t r a	p j e: - r e	n - e: f - -	f r - e: - t - -

i→o

ToSee.Primary	Because.Quod
v - i: - - ʀ -	k i: -
v j o d i - -	k ^w o d

i→ε:

Foot.Primary	Foot.Primary
p - i: - - -	p - i: - t - -
p j ε: - d e -	p j ε: - d e -

i→ø:

Liver.Primary
f - i: k a: t u m
f - ø: - - t - -

Appendix 2 - Prior Frequencies

i:→ẽ

Near.Vicinus						Five.Primary				Five.Primary			
w	-	i:	k	i:	n	u	s	k ^w	i:	n	k ^w	-	e
v	-	i	ʒ	ẽ	-	-	-	s	ẽ	-	k	-	-

i:→ẽ

Road.Camminus						Near.Vicinus					
k	a	m	m	i:	n	u	m	w	-	i:	k
ʃ	ə	-	m	ẽ	-	-	-	v	w	a	z

i:→y

River.Rivus			
r	i:	w	u
ʁ	y	-	-

i:→aj

Sky.Primary				Sky.Primary			
s	-	i:	ʁ	-	-	ʃ	-
k	-	aj	l	u	m	k	-

i:→ea

Snow.Primary			
n	-	i:	f
n	-	ea	-

i:→a

Liver.Primary					
f	-	i:	k	a:	t
f	w	a	-	-	-

i:→g

ToTie.Primary				ToTie.Primary				ToTie.Primary				ToTie.Primary			
l	ɔj	i:	-	-	-	l	ɔj	i:	-	-	-	l	ɔj	i:	-
l	i	g	a:	r	e	l	e	g	a	r	-	l	e	g	a

i:→f

ToPull.Pulsare						ToPull.Pulsare					
p	u:	s	i:	-	-	p	u:	s	i:	-	-
p	u	-	f	a	r	p	u	-	f	a	r

i:→y

ToTie.Primary			
l	ɔj	i:	-
ʌ	i	y	a

i:→R

Appendix 2 - Prior Frequencies

ToHear.Primary	ToHear.Primary
au - d i: r e	u l d i: - -
ō - - R - -	ō - - R - -

i:→x

ToPull.Pulsare
p u: s i: - - -
p u - x a r -

a→u:

Day.Primary
d i a -
dʒ - u: -

a→ø:

Star.Primary	ToKnow.Sapere	Narrow.Strictus	Straight.Primary
e - t w a - l -	s a v w a ʁ -	e - t ʁ w a - - - -	d - ʁ w a - - - -
- s t - ø: - l -	s a v - ø: R -	- s t ʁ - ø: - - - -	d - r - ø: - - - -

a→y

Fog.Nebula	Fog.Nebula	Fog.Nebula
n - e - b u l a	n j e - b - l a	n - e b b - j a
n j ɔ - - - l y	n j ɔ - - - l y	n j ɔ - - - l y

a→qa

Woman.Domina	BarkOfATree.Skorteá	BarkOfATree.Skorteá
d a m - - -	- s k w a s - - -	- s k w a r ts - e
d qa m - n ə	- s k - qa r ts - ə	- s k - qa r ts - ə

a→œ

Woman.Primary	Woman.Domina
f a - m - - - -	d a m - - -
f œ - m - - - -	d œ m - - -

a→iw

Seed.Granum	Seed.Granum	Seed.Granum	Seed.Granum
g r a n o -	g r a n o -	g r a - - -	g r a n - -
g r iw - - -	g r iw - - -	g r iw - - -	g r iw - - -

a→m

Belly.Pantex
p a n θ - - - a
p a n t i k e m

a→r

Appendix 2 - Prior Frequencies

ToDig.Excavare	ToDig.Excavare
i - ʃ k ɐ v a ɤ -	i - ʃ k ɐ v a r -
- s k a v a r e -	- s k a v a r e -

a→w

ToDig.Excavare	ToDig.Excavare
e s k a b a r - -	- s k a v a r e -
e k s k a w a: r e	e k s k a w a: r e

a→r

ToDig.Excavare	ToDig.Excavare
i - ʃ k ɐ v a ɤ -	i - ʃ k ɐ v a r -
e s k a b a r - -	e s k a b a r - -

a→b

ToDig.Excavare	ToDig.Excavare
e k s k a w a: r e	- - z ʃ a v a: - -
e s k a b a r - -	e s k a b a r - -

a→ʃ

ToDig.Excavare	ToDig.Excavare
e s k a b a r - -	- s k a v a r e -
- - z ʃ a v a: - -	- - z ʃ a v a: - -

a:→e:

Thin.Delicatus
d e: l i k a: t u s
d u: - - ʒ e: - -

a:→i

Seed.Granum
g r a: n u m
g r i n - -

a:→o

Horn.Primary	Horn.Primary	Horn.Primary	Horn.Primary
k w a: r - -	k w a: r - -	k w a: r - -	k w a: r - -
k - o r n u:	k - o ɤ n u	k - o r n u	k - o r n -

a:→ɔ

Horn.Primary	Horn.Primary	Horn.Primary
k w a: r - -	k w a: r - -	k w a: r - -
k - ɔ ɤ n -	k - ɔ r n o	k - ɔ r n -

a:→ɔ:

Appendix 2 - Prior Frequencies

Meat.Primary	Bad.Primary
c a: r - - -	m a: l - -
tʃ ɔ: - - - -	m ɔ: - - - -

a:→ɛ:

Father.Primary
p a: d r e
p ɛ: - r -

a:→ẽ

Hand.Primary	Hand.Primary
m a: n o -	m a: n o -
m ẽ - - -	m ẽ - - -

a:→ẽ

Grass.Gramen	Guts.Primary	Mountain.Montanea
g r a: m e n	i n t e r a: n e a	m o n t a: - n e a
g r ẽ m ɐ -	ĩ - t - r ẽ ɲ - ɐ	m õ - t ẽ - ɲ - ɐ

a:→ẽwĩ

Seed.Granum	Seed.Granum	Hand.Primary	Hand.Primary
g r a: n u m	g r a: n u m	m a: n o -	m a: n o -
g r ẽ - - -	g r ẽ - - -	m ẽ - - -	m ẽ - - -
wĩ	wĩ	wĩ	wĩ

a:→ẽj

Mother.Primary	Mother.Primary	Mother.Primary	Mother.Primary
m a: t r e m	m a: t r e m	m a: d r e -	m a: d r e -
m ẽj - - - -	m ẽj - - - -	m ẽj - - - -	m ẽj - - - -

a:→i

Hand.Primary
m a: n o -
m i n ə -

a:→ɐj

ToSmell.Fragrare
f r a: g r a: r e
f - ɐj - r a r -

a:→ej

ToSmell.Fragrare
f r a: g r a: r e
f - ej - r a ɐ -

a:→aj

Appendix 2 - Prior Frequencies

Father.Primary	Father.Primary
p a: d r e	p a: d r e
p aj - - -	p aj - - -

a:→ɑ

ToCut.Taliare
t a: - l i a: r e
t ɑ j - - e - -

a:→iw

Seed.Granum
g r a: n u m
g r iw - - -

a:→r

ToDig.Excavare	ToDig.Excavare
e k s k a w a: r e	- - z ʃ a v a: - -
- s k a v a r e -	- s k a v a r e -

a:→r

ToDig.Excavare	ToDig.Excavare
e k s k a w a: r e	- - z ʃ a v a: - -
e s k a b a r - -	e s k a b a r - -

u→e:

ToSmell.Olere
u l u r a
o l e: r e

u→ɔ:

Good.Primary
b - u n - -
b w ɔ: n o -

u→ε

Neck.Primary	New.Primary	New.Primary	New.Primary
k - u - - -	n - o w u s	n - o v u -	n - o v u -
k w ε - l - -	n - ɔ v ε -	n - ɔ v ε -	n - ɔ v ε -

u→ẽ

ToWipe.Exsucare	ToWipe.Exsucare	ToSwell.Primary
u - s - - k - a - -	u - s - - k - a - -	u m f l a - -
ẽ - ʃ - u g - a r -	ẽ - ʃ - u ɣ - a r -	ẽ - f l e - -

u→ã

ToSwell.Primary	How.Quomodo	How.Quomodo
u m f l a - -	k o m u - -	k o m u - -
ã - f l e - -	k ɔ m ã - -	k ɔ m ã - -

Appendix 2 - Prior Frequencies

u→i

ToSwell.Primary	ToSwell.Primary
u m f l a - -	u m f l a - -
i - ʃ - a r -	i - ʃ - a r -

u→ẽwĩ

Not.Primary	Not.Primary
n u -	n u -
n ẽ -	n ẽ -
wĩ	wĩ

u→e

Fruit.Primary	Fruit.Primary
f r u: - k t u s	f r u: - k t u s
f r u - - t e -	f r u - - t e -

u→i

Small.Pittinus
p u - ts i n - -
p i - k e n u -

u→œ

Leaf.Primary	Mouth.Gula	Mouth.Gula
f - u ʌ - ə	g u l a	g u r ə
f - œ j - -	g œ l -	g œ l -

u→ɔj

We.Primary	YouPlural.Primary	YouPlural.Primary	Leaf.Primary
n u - -	v u - -	b u - s	f - u ʌ - ə
n ɔj - s	v ɔj s -	v ɔj s -	f - ɔj - - -

u→ʊ

Red.Primary	Red.Primary	Red.Primary
r u s s u s	ʁ o - ʃ u -	r o - ʃ u -
ʁ o - ʃ ʊ -	ʁ o - ʃ ʊ -	ʁ o - ʃ ʊ -

u→l

Louse.Primary	Louse.Primary	Eye.Primary
p - i - o - ʌ u - -	p - i - o - ʌ u - -	- o - k u l u s
p - e d u - k l u s	p - e d u - k l u s	v o - - l i - -

u→s

Many.Primary	Many.Primary	Few.Primary	Few.Primary
m ũ ʃ - t u	m ũ ʃ - t u	p o w k u	p o w k u
m u l t u s	m u l t u s	p aʊ k u s	p aʊ k u s

Appendix 2 - Prior Frequencies

u→t

Many.Primary	Many.Primary
m u l t u s	m u l t u s
m ũ ĵ - t u	m ũ ĵ - t u

u→k

Few.Primary	Few.Primary
p aṽ k u s	p aṽ k u s
p o w k u	p o w k u

u→p

Stone.Lapidem	Stone.Lapidem
l a u - d e -	l a u - d e -
l a p i d e m	l a p i d e -

u→b

Fog.Nebula	ToStand.Levare	ToStand.Levare
n e g u r ə - -	l - u a - -	l - u a - -
n - e b b - j a	j e b a r -	λ ə b a - -

u:→e:

Day.Primary	Thin.Delicatus
ɖɟ - u: -	d u: - - ʒ e: - -
d i e: s	d e: l i k a: t u s

u:→i

ToWipe.Exsucare
e k s - u: k - a: r e
e - s ɥ i - j e - -

u:→a

Day.Primary
ɖɟ - u: -
d i a -

u:→o:

Egg.Primary	Egg.Primary
- u: - - -	- u: f - -
- o: w u m	- o: w u m

u:→ε

Thin.Delicatus
d u: - - ʒ e: - -
d ε ł - ɣ a ɔ̃ u -

u:→ø:

Appendix 2 - Prior Frequencies

Fire.Focus					
f	-	u:	k	-	-
f	-	ø:	-	-	-

u:→ø

Moon.Primary				Fire.Focus			
l	u:	n	a	f	-	u:	k
l	ø	n	-	f	-	ø	-

u:→õ

One.Primary			
u:	n	u	s
õ	-	-	-

u:→ã

How.Quomodo					
ʃ	e	m	u:	t	-
k	ɔ	m	ã	-	-

u:→ẽ

How.Quomodo					
ʃ	e	m	u:	t	-
k	ɔ	m	ẽ	-	-

u:→ũ

One.Primary				One.Primary			
u:	n	u	s	u:	n	u	s
ũ	-	-	-	ũ	-	-	-

u:→œ

One.Primary			
u:	n	u	s
œ	-	-	-

u:→ə

Day.Primary				Thin.Delicatus					
dʒ	-	u:	-	d	u:	-	-	ʒ	e:
d	i	ə	-	d	ə	l	i	k	a

u:→ɐ

Day.Primary				Day.Primary			
dʒ	-	u:	-	dʒ	-	u:	-
d	i	ɐ	-	d	i	ɐ	-

u:→ɔa

Rain.Primary					
p	l	u:	-	ʁ	-
p	l	ɔa	-	j	e

Appendix 2 - Prior Frequencies

u:→w

Bird.Avicellum									
-	-	u:	-	-	h	-	ε:	-	-
-	a	w	i	-	k	-	e	l	l
								u	m

u:→ɥ

Fruit.Primary					Rain.Primary				
f	r	u:	-	k	t	u	s	p	l
f	ɤ	ɥ	i	-	-	-	-	p	l
								ɥ	i

o→i:

ToSee.Primary					Because.Quod				
v	j	o	d	i	-	-	k ^w	o	d
v	-	i:	-	-	r	-	k	i:	-

o→a:

Horn.Primary					Horn.Primary					Horn.Primary					Horn.Primary				
k	-	o	r	n u:	k	-	o	ɤ	n u	k	-	o	r	n u	k	-	o	r	n -
k	w	a:	r	-	k	w	a:	r	-	k	w	a:	r	-	k	w	a:	r	-

o→ɔ:

ToStand.Altiare					Good.Primary				
-	o	-	s	e	-	-	b	-	o
h	ɔ:	-	s	i:	-	-	b	w	ɔ:
							n	o	-

o→ε:

Bird.Avicellum										Water.Primary				
w	a	-	-	-	z	-	o	-	-	o	-	-	-	-
-	-	u:	-	-	h	-	ε:	-	-	ε:	-	-	w	-

o→ã

How.Quomodo					How.Quomodo				
k ^w	o:	m	o	d	o	k	o	m	o
k	ɔ	m	ã	-	-	k	ɔ	m	ã

o→ẽ

Far.Primary								Far.Primary								How.Quomodo								How.Quomodo							
l	-	o	n	t	a	n	o	l	-	o	n	t	a	n	-	k ^w	o:	m	o	d	o	k	o	m	o	-	-				
l	w	ẽ	-	t	ẽ	-	-	l	w	ẽ	-	t	ẽ	-	-	k	ɔ	m	ẽ	-	-	k	ɔ	m	ẽ	-	-				

o→ẽj

Child.Ninnus				Child.Ninnus				Child.Ninnus				Child.Ninnus			
n	i	j	o	n	i	j	o	n	i	n	o	n	i	n	o
n	e	n	ẽj	n	e	n	ẽj	n	e	n	ẽj	n	e	n	ẽj

Appendix 2 - Prior Frequencies

o→y

Feather.Primary	Night.Primary	Night.Primary
p l o m ə	n - o c t e m	n - o - tʃ e -
p l y m -	n - y - t - -	n - y - t - -

o→aj

Water.Primary	Sand.Sabulum	Sand.Sabulum
o - - - -	s o - - r ə -	s o - - r ə -
aj - ʏ w ə	s aj β - r u -	s aj β - r u -

o→ʊ

Red.Primary	Red.Primary
r o - x o -	r o s s o -
ʁ o - ʃ ʊ -	ʁ o - ʃ ʊ -

o→l

Eye.Primary
- o - x - o - -
- o - k u l u s

o→j

Eye.Primary
- o - x - o - -
- ɔ k k - j o -

o→t

Many.Primary	Many.Primary	Many.Primary	Many.Primary
m u - tʃ o -	m u - tʃ o -	m o l t o -	m o l t o -
m ũ ʃ - t u	m ũ ʃ - t u	m ũ ʃ - t u	m ũ ʃ - t u

o→k

Few.Primary	Few.Primary	Few.Primary	Few.Primary
p o k o -	p o k o -	p ɔ k o -	p ɔ k o -
p o w k u	p o w k u	p o w k u	p o w k u

o→ʌ

Eye.Primary	Eye.Primary
- o - x - o - -	- o - x - o - -
- o - - - ʌ u -	- o - - - ʌ u -

o→ɥ

Rain.Primary	Rain.Primary
p j o d ɖ - a	p l o - - j e
p l ɥ - - i -	p l ɥ - - i -

o:→e

Appendix 2 - Prior Frequencies

Egg.Primary	ToKnow.Cognoscere	How.Quomodo
- o: w u m	k o g n o: s k e r e	k ^w o: m o d o
w e b o -	k o - n e s - e ʁ -	ʔ e m u: t -

O:→u:

Egg.Primary	Egg.Primary
- o: w u m	- o: w u m
- u: - - -	- u: f - -

O:→ε

ToKnow.Cognoscere	ToKnow.Cognoscere
k o g n o: s k e r e	k o g n o: s k e r e
k ɔ - n ε - t - ʁ -	k u - n ε f - ə - -

O:→∅

Few.Primary	Two.Duos
p o: k - -	d u o: s
p ∅ - - -	d - ∅ -

O:→õ

Name.Nomen	Name.Nomen	Few.Primary
n o: m e n	n o: m e -	p o: k - -
n õ - - -	n õ - - -	p õ - - -

O:→ẽwĩ

Not.Primary	Not.Primary
n o: n	n o: n
n ẽ -	n ẽ -
wĩ	wĩ

O:→õ

Name.Nomen	Name.Nomen	Not.Primary	Not.Primary
n o: m e n	n o: m e -	n o: n	n o: n
n õ - - -	n õ - - -	n õ -	n õ -

O:→i

ToKnow.Cognoscere
k o g n o: s k e r e
k u - n i s - e r -

O:→aj

Sand.Sabulum	Sand.Sabulum
s o: v - j õ -	s o: v - j õ -
s aj β - r u -	s aj β - r u -

O:→œ

Appendix 2 - Prior Frequencies

Flower.Primary	Flower.Primary	Flower.Primary	Egg.Primary
f l o: r e m	f j o: r e -	f l o: r - -	- o: w u m
f l œ ʁ - -	f l œ ʁ - -	f l œ ʁ - -	- œ f - -

o:→au

Few.Primary
p o: k - -
p au k u s

o:→w

I.Primary	I.Primary	I.Primary
- e g o:	- e g o:	- e g o:
- e - w	- e - w	j e - w

ɔ→a:

Horn.Primary	Horn.Primary	Horn.Primary
k - ɔ ʁ n -	k - ɔ r n o	k - ɔ r n -
k w a: r - -	k w a: r - -	k w a: r - -

ɔ→ɔ:

Good.Primary	Good.Primary
b - ɔ n - -	b - ɔ n - -
b w ɔ: n o -	b w ɔ: n o -

ɔ→ø:

Flower.Primary	Mouth.Gula	Fire.Focus	Fire.Focus
f l ɔ - - -	g ɔ l e	f w ɔ k o -	f - ɔ k - -
f l ø: ʁ - -	g ø: j -	f - ø: - - -	f - ø: - - -

ɔ→ɔ̃

Mountain.Primary	Name.Nomen	Name.Nomen
m ɔ n t - -	n ɔ m - -	n ɔ ŋ - -
m ɔ̃ - - -	n ɔ̃ - - -	n ɔ̃ - - -

ɔ→ə

Sand.Sabulum
s a v a l ɔ n
s o - - r ə -

ɔ→i

ToKnow.Cognoscere
k i - n ɔ h - - -
k u - ŋ i s - e r -

ɔ→y

Appendix 2 - Prior Frequencies

Feather.Primary	Night.Primary	Night.Primary
p l ɔ m -	n - ɔ t t e -	ɲ - ɔ - t - -
p l y m -	n - y - t - -	n - y - t - -

ɔ→ɔj

We.Primary	Leaf.Primary
n ɔ - ʃ	f - ɔ ʌ ʌ a
n ɔj - s	f - ɔj - -

ɔ→g

Fog.Nebula
n j ɔ - - l y
n e g u r ə - -

ɔ:→e

FatNoun.Crassia	Good.Primary
k ʀ ɔ: ʃ -	b w ɔ: n o -
g r e ʃ -	b w e n o -

ɔ:→i

Heart.Anima
ɔ: - - m -
i n i m ə

ɔ:→a:

Meat.Primary	Bad.Primary
ʃ ɔ: - - -	m ɔ: - - -
c a: r - - -	m a: l - - -

ɔ:→u

Good.Primary
b w ɔ: n o -
b - u n - -

ɔ:→o

ToStand.Altiare	Good.Primary
h ɔ: - s i: - -	b w ɔ: n o -
- o - s e - -	b - o n u s

ɔ:→ɔ

Good.Primary	Good.Primary
b w ɔ: n o -	b w ɔ: n o -
b - ɔ n - -	b - ɔ n - -

ɔ:→ɛ

Appendix 2 - Prior Frequencies

Meat.Primary						FatNoun.Crassia					
ʃ	ɔ:	-	-	-	-	k	ʀ	ɔ:	ç	-	-
ʃ	ɛ	ʁ	-	-	-	g	ʁ	ɛ	s	-	-

ɔ: → ɔ̃

Good.Primary						Good.Primary						Good.Primary						Good.Primary					
b	w	ɔ:	n	o	-	b	w	ɔ:	n	o	-	b	w	ɔ:	n	o	-	b	w	ɔ:	n	o	-
b	-	õ	-	-	-	b	-	õ	-	-	-	b	-	õ	-	-	-	b	-	õ	-	-	-

ɔ: → ə

ToSplit.Partire						ToStand.Altiare					
p	ɔ:	ʀ	t	i	-	h	ɔ:	-	s	i:	-
p	ə	r	t	i	-	-	ə	l	s	a	-

ɔ: → ɐ

ToSplit.Partire					
p	ɔ:	ʀ	t	i	-
p	ɐ	r	t	i	r

ɔ: → ɑ

Heart.Anima					
ɔ:	-	-	m	-	-
ɑ	-	-	m	-	-

ɛ → u

Neck.Primary						New.Primary						New.Primary						New.Primary											
k	w	ɛ	-	l	-	n	-	ɔ	v	ɛ	-	n	-	ɔ	v	ɛ	-	n	-	ɔ	v	ɛ	-	n	-	ɔ	v	ɛ	-
k	-	u	-	-	-	n	-	o	w	u	s	n	-	o	v	u	-	n	-	o	v	u	-	n	-	o	v	u	-

ɛ → u:

Thin.Delicatus					
d	ɛ	ʃ	-	y	a
d	u:	-	ʒ	e:	-

ɛ → o:

ToKnow.Cognoscere						ToKnow.Cognoscere					
k	ɔ	-	n	ɛ	-	k	u	-	n	ɛ	ʃ
k	o	g	n	o:	s	k	o	g	n	o:	s

ɛ → ɔ:

Meat.Primary						FatNoun.Crassia					
ʃ	ɛ	ʁ	-	-	-	g	ʁ	ɛ	s	-	-
ʃ	ɔ:	-	-	-	-	k	ʀ	ɔ:	ç	-	-

ɛ → ∅

Appendix 2 - Prior Frequencies

Hair.Capillus							Old.Primary							
k	ə	b	ε	-	ʌ	-	v	-	ε	k	-	k	j	o
ʃ	ə	v	ø	-	-	-	v	j	ø	-	-	-	-	-

$\varepsilon \rightarrow \tilde{e}\tilde{w}$

Seed.Granum						Seed.Granum					
g	ʁ	ε	n	-	-	g	ʁ	ε	n	-	-
g	r	ẽ	-	-	-	g	r	ẽ	-	-	-
		ũ	-	-	-			ũ	-	-	-

$\varepsilon \rightarrow \tilde{e}$:

Ash.Primary							
s	ε	n	-	d	r	ə	-
s	ẽ:	-	-	d	-	-	-

$\varepsilon \rightarrow \tilde{e}\underline{u}$

Tongue.Primary					
l	ε	n	g	-	ε
l	ẽu	-	-	-	-

$\varepsilon \rightarrow \varrho a$

ToKnow.Cognoscere							ToKnow.Cognoscere						
k	ɔ	-	n	ε	-	t	-	ʁ	-	-	-	-	-
k	u	-	n	ɔa	ʃ	t	e	-	-	-	-	-	-

$\varepsilon \rightarrow a$

ToDrink.Primary						ToCut.Taliare						Three.Primary						
b	-	ε	w	-	r ə	t	ε	-	-	j	i:	-	-	t	r	-	ε	s
b	w	α	-	-	ʁ -	t	α	j	-	-	e	-	-	t	ʁ	w	α	-

$\varepsilon \rightarrow \alpha e$

Woman.Primary								
f	ε	-	m	i	-	n	-	ε
f	œ	-	m	-	-	-	-	-

$\varepsilon \rightarrow \varepsilon j$

Red.Vermiculus									
b	ə	r	m	ε	-	-	ʌ	-	-
v	ε	ʁ	m	εj	-	-	-	-	-

$\varepsilon \rightarrow i w$

Seed.Granum					
g	ʁ	ε	n	-	-
g	r	i w	-	-	-

$\varepsilon \rightarrow r$

Appendix 2 - Prior Frequencies

Worm.Primary	Worm.Primary	Worm.Primary	Worm.Primary
v j ε R - -	v j ε R - -	v j ε r - -	v j ε r - -
w e r m e m	v e r m e -	w e r m e m	v e r m e -

ε→j

Worm.Primary	Worm.Primary	Worm.Primary	Hair.Capillus
v ε r m - -	v ε r m - -	v ε r m - -	k ə b ε - λ - -
v j ε R - -	v j ε r - -	v j e r m e	tʃ i v j - - a -

ε→ɤ

Worm.Primary	Worm.Primary	Worm.Primary	Worm.Primary
v j ε R - -	v j ε R - -	v j ε r - -	v j ε r - -
v e ɤ - - -	v e ɤ m i -	v e ɤ - - -	v e ɤ m i -

ε→g

Fog.Nebula	Fog.Nebula
n - ε - v w - ɐ	n - ε - v w - ɐ
n e g u r ə - -	n e g u r ə - -

ε:→e:

Full.Primary
p j ε: n o -
p l e: n u s

ε:→i

Fog.Tenebras	Full.Primary	What.Primary	What.Primary
t - ε: n - e b r e -	p j ε: n o -	k w ε: -	k w ε: -
t - i n j e b l a s	p l i n - -	k ^w - i d	k - i -

ε:→i:

Foot.Primary	Foot.Primary
p j ε: - d e -	p j ε: - d e -
p - i: - - - -	p - i: - t - -

ε:→a:

Father.Primary
p ε: - r -
p a: d r e

ε:→o

Bird.Avicellum	Water.Primary
- - u: - - h - ε: - - - -	ε: - - w -
w a - - - z - o - - - -	o - - - -

ε:→ē

Appendix 2 - Prior Frequencies

Full.Primary					
p	j	ε:	n	o	-
p	l	ẽ	-	-	-

ε:→ẽ

Full.Primary					
p	j	ε:	n	o	-
p	l	ẽ	-	-	-

ε:→ə

Fog.Tenebras									
t	-	ε:	n	-	e	b	r	e	-
t	-	ə	n	-	e	b	r	ə	s

ε:→ɐ

ToFall.Primary						ToFall.Primary					
ʃ	-	ε:	-	-	R	-	ʃ	-	ε:	-	R
k	-	ɐ	-	i	r	-	k	-	ɐ	-	r

ε:→i

What.Primary			
k	w	ε:	-
k	-	i	-

ε:→ɛj

Full.Primary						Full.Primary					
p	j	ε:	n	o	-	p	j	ε:	n	o	-
ʃ	-	ɛj	-	u	-	ʃ	-	ɛj	-	u	-

ε:→aj

Father.Primary				Father.Primary				Water.Primary			
p	ε:	-	r	p	ε:	-	r	ε:	-	w	-
p	aj	-	-	p	aj	-	-	aj	-	ɣ	w ə

ε:→d

ToFall.Primary					
ʃ	-	ε:	-	-	R
k	ə	d	ɛa	-	-

ø:→i:

Liver.Primary					
f	-	ø:	-	-	t
f	-	i:	k	a:	t u m

ø:→a

Star.Primary						ToKnow.Sapere						Narrow.Strictus						Straight.Primary																
-	s	t	-	ø:	-	l	-	s	a	v	-	ø:	R	-	-	s	t	ɞ	-	ø:	-	-	-	-	d	-	r	-	ø:	-	-	-	-	
e	-	t	w	a	-	l	-	s	a	v	w	a	ɞ	-	-	e	-	t	ɞ	w	a	-	-	-	-	d	-	ɞ	w	a	-	-	-	-

Appendix 2 - Prior Frequencies

ø:→u:

Fire.Focus				
f	-	ø:	-	-
f	-	u:	k	-

ø:→ɔ

Flower.Primary					Mouth.Gula					Fire.Focus					Fire.Focus						
f	l	ø:	ɣ	-	-	g	ø:	j	-	f	-	ø:	-	-	-	f	-	ø:	-	-	-
f	l	ɔ	-	-	-	g	ɔ	l	e	f	w	ɔ	k	o	-	f	-	ɔ	k	-	-

ø:→ø

Fire.Focus						Two.Duos			
f	-	ø:	-	-	-	d	-	ø:	-
f	-	ø	-	-	-	d	-	ø	-

ø:→i

Narrow.Strictus									
-	s	t	ɣ	-	ø:	-	-	-	-
-	s	t	r	-	i	m	-	t	-

ø:→ɐj

Narrow.Strictus										Straight.Primary									
-	s	t	ʁ	-	ø:	-	-	-	-	d	-	r	-	ø:	-	-	-	-	
i	ɸ	t	r	-	ɐj	-	-	t	u	-	d	i	r	-	ɐj	-	t	u	-

ø:→ej

Narrow.Strictus										Straight.Primary										Three.Primary									
-	s	t	ɣ	-	ø:	-	-	-	-	d	-	r	-	ø:	-	-	-	-	t	r	-	ø:	-						
i	s	t	r	-	ej	-	-	t	u	-	ɔ̥	i	r	-	ej	-	t	u	-	t	r	-	ej	-					

ø:→ɔa

Flower.Primary						ToSew.Primary								
f	l	ø:	ɣ	-	-	k	ø:	-	-	z	-	-	-	-
f	l	ɔa	r	e	-	c	ɔa	-	-	s	-	e	-	-

ø:→oj

Two.Duos			Two.Duos			Two.Duos			Two.Duos		
d	-	ø:	-	-	-	d	-	ø:	-	-	-
d	-	oj	s	-	-	d	-	oj	f	-	-

ø:→ɛa

Star.Primary					
-	s	t	-	ø:	-
-	s	t	-	ɛa	-

ø:→ɑ

Appendix 2 - Prior Frequencies

Liver.Primary						Three.Primary			
f	-	ø:	-	-	t	t	r	-	ø:
f	w	a	-	-	-	t	ɣ	w	a

ø: → œ

Flower.Primary						Mouth.Gula			
f	l	ø:	ɣ	-	-	g	ø:	j	-
f	l	œ	ɣ	-	-	g	œ	l	-

ø: → w

ToDrink.Primary					
b	ø:	-	-	ɣ	-
b	w	a	-	-	ɣ

ø → i

Hair.Capillus					
ɸ	ə	v	ø	-	-
k	a	p	i	l	l

ø → u:

Moon.Primary				Fire.Focus			
l	ø	n	-	f	-	ø	-
l	u:	n	a	f	-	u:	k

ø → o:

Few.Primary				Two.Duos			
p	ø	-	-	d	-	ø	-
p	o:	k	-	d	u	o:	s

ø → ε

Hair.Capillus						Old.Primary					
ɸ	ə	v	ø	-	-	v	j	ø	-	-	-
k	ə	b	ε	-	ʌ	v	-	ε	k	-	k

ø → ø:

Fire.Focus				Two.Duos			
f	-	ø	-	d	-	ø	-
f	-	ø:	-	d	-	ø:	-

ø → ð

Few.Primary			
p	ø	-	-
p	ð	-	-

ø → y

Moon.Primary			
l	ø	n	-
l	y	n	-

Appendix 2 - Prior Frequencies

ø→ej

Old.Primary						
v	j	ø	-	-	-	-
v	-	ej	-	-	Λ	u

ø→ej

Hair.Capillus						
f	ə	v	ø	-	-	-
c	a	v	ej	-	-	-

ø→qa

Tail.Primary				
k	ø	-	-	-
c	qa	d	ə	-

ø→oj

Two.Duos		Two.Duos		Two.Duos		Two.Duos	
d	-	ø	-	d	-	ø	-
d	-	oj	s	d	-	oj	f

ø→au

Tail.Primary		Tail.Primary		Tail.Primary		Few.Primary	
k	ø	-	-	k	ø	-	-
k	au	d	a	k	au	d	e
p	ø	-	-	p	au	k	u

ø→j

Hair.Capillus						
f	ə	v	ø	-	-	-
ʃ	i	v	j	-	-	a

ō→i

Round.Primary						
κ	ō	-	-	-	-	-
r	i	t	o	n	d	o

ō→u:

One.Primary			
ō	-	-	-
u:	n	u	s

ō→o:

Name.Nomen			
n	ō	-	-
n	o:	m	e

ō→ɔ:

Appendix 2 - Prior Frequencies

Good.Primary	Good.Primary	Good.Primary	Good.Primary
b - ð - - -	b - ð - - -	b - ð - - -	b - ð - - -
b w ɔ: n o -	b w ɔ: n o -	b w ɔ: n o -	b w ɔ: n o -

ð → ø

Few.Primary
p ð - -
p ø - -

ð → ũ

One.Primary	One.Primary
ð - - -	ð - - -
ũ - - -	ũ - - -

ð → œ

One.Primary
ð - - -
œ - - -

ð → i

Round.Primary	Round.Primary
ɾ ð - - - -	r ð - - - -
ɾ i d ð - d u -	ɾ i d ð - d u -

ð → au

ToHear.Primary	ToHear.Primary	Few.Primary
ð - - R - -	ð - - R - -	p ð - - -
au - d i: r e	au - z i - -	p au k u s

ð → w

ToHear.Primary
ð - - R - -
w - - i ɾ -

ẽ → e:

ToThink.Pensare	ToThink.Pensare	Full.Primary
p ẽ - s a ɾ -	p ẽ - s a r -	p l ẽ - - -
p e: n s a: r e	p e: n s a: r e	p l e: n u s

ẽ → i:

Near.Vicinus	Five.Primary	Five.Primary
v - i ʒ ẽ - - -	s ẽ - k - -	s ẽ - k - -
w - i: k i: n u s	k ^w i: n k ^w - e	k ^w i: n k ^w - e

ẽ → a:

Appendix 2 - Prior Frequencies

Hand.Primary	Hand.Primary
m ē - - -	m ē - - -
m a: n o -	m a: n o -

ẽ→u

ToWipe.Exsucare	ToWipe.Exsucare	ToSwell.Primary
ẽ - ʃ - u g - a r -	ẽ - ʃ - u y - a r -	ẽ - f l e - -
u - s - - k - a - -	u - s - - k - a - -	u m f l a - -

ẽ→ε:

Full.Primary
p l ẽ - - -
p j ε: n o -

ẽ→ẽj

Not.Nec
n ẽ -
n ẽj -

ẽ→ẽj

Not.Nec
n ẽ -
n ẽj -

ẽ→ɐj

Breast.Primary	Full.Primary	Full.Primary
s ẽ - - -	p l ẽ - - -	p l ẽ - - -
s ɐj - u -	ʃ - ɐj - u -	ʃ - ɐj - u -

ẽ→ej

Breast.Primary
s ẽ - - -
s ej - u -

ẽ→ij

Dog.Primary
ʃ - ẽ - - -
k - ij n e -

ã→e:

ToThink.Pensare
p ã - s e - -
p e: n s a: r e

ã→u

ToSwell.Primary	How.Quomodo	How.Quomodo
ã - f l e - -	k ɔ m ã - -	k ɔ m ã - -
u m f l a - -	k o m u - -	k o m u - -

Appendix 2 - Prior Frequencies

$\tilde{a} \rightarrow u:$

How.Quomodo					
k	ɔ	m	ã	-	-
tʃ	e	m	u:	t	-

$\tilde{a} \rightarrow o$

How.Quomodo						How.Quomodo					
k	ɔ	m	ã	-	-	k	ɔ	m	ã	-	-
k ^w	o:	m	o	d	o	k	o	m	o	-	-

$\tilde{a} \rightarrow \tilde{a}$

Leg.Gamba					Belly.Pantex					
ʒ	ã	-	b	-	p	ã	-	s	-	-
dʒ	ã	-	p	-	p	ã	-	s	-	-

$\tilde{a} \rightarrow \tilde{e}:$

Ash.Primary					
s	ã	-	-	d	ʁ
s	ẽ:	-	-	d	-

$\tilde{a} \rightarrow \tilde{o}:$

Blood.Primary					
s	ã	-	-	-	-
s	õ:	-	g	-	-

$\tilde{a} \rightarrow \tilde{e}u$

Tongue.Primary				
l	ã	-	g	-
l	ẽu	-	-	-

$\tilde{a} \rightarrow e$

Year.Primary					Year.Primary					Year.Primary					Year.Primary				
ã	-	-	-	-	ã	-	-	-	-	ã	-	-	-	-	ã	-	-	-	-
e	-	n	u	-	e	-	n	u	-	e	-	n	u	-	e	-	n	u	-

$\tilde{e} \rightarrow a:$

Grass.Gramen					Guts.Primary					Mountain.Montanea				
g	r	ẽ	m	e	ĩ	-	t	-	r	ẽ	ɲ	-	e	m
g	r	a:	m	e	n	i	n	t	e	r	a:	n	e	a

$\tilde{e} \rightarrow \tilde{a}$

Belly.Pantex						Belly.Pantex					
p	ẽ	-	s	-	e	p	ẽ	-	s	-	e
p	ã	-	s	-	-	p	ã	-	s	-	-

$\tilde{e} \rightarrow \tilde{o}:$

Appendix 2 - Prior Frequencies

Blood.Primary						Blood.Primary					
s	ẽ	-	g	-	i	-	s	ẽ	-	g	-
s	õ:	-	g	-	-	-	s	õ:	-	g	-

ẽ→e

Grass.Gramen						Guts.Primary						Mountain.Montanea					
g	r	ẽ	m	e	-	ĩ	-	t	-	r	ẽ	ɲ	-	e	m	õ	-
g	r	e	m	e	-	ẽ	-	t	-	r	e	ɲ	-	e	m	õ	-

ĩ→u

ToSwell.Primary						ToSwell.Primary					
ĩ	-	ɸ	-	a	r	ĩ	-	ɸ	-	a	r
u	m	f	l	a	-	u	m	f	l	a	-

ĩ→ẽu

Tongue.Primary						Tongue.Primary					
l	ĩ	-	g	w	e	l	ĩ	-	g	w	e
l	ẽu	-	-	-	-	l	ẽu	-	-	-	-

ĩ→ə

Guts.Primary									ToBurn.Incendere									ToBurn.Incendere										
ĩ	-	t	-	r	ẽ	ɲ	-	e	ĩ	-	s	e	n	d	ɪ	a	r	-	ĩ	-	s	ẽ	-	d	j	a	r	-
ə	n	t	-	r	a	ɲ	-	ə	ə	n	s	e	n	d	-	-	r	ə	ə	n	s	e	n	d	-	-	r	ə

ĩ→i

ToSqueeze.Stringere										ToSqueeze.Stringere										ToBurn.Incendere										ToBurn.Incendere									
ə	ɸ	t	r	ĩ	-	ɹ	i	r	-	ə	ɸ	t	r	ĩ	-	ɹ	i	r	-	ĩ	-	s	ẽ	-	d	j	a	r	-	ĩ	-	s	ẽ	-	d	j	a	r	-
-	s	t	r	i	n	ɹ	e	-	-	-	s	t	r	i	n	ɹ	e	-	-	i	n	ɸ	i	n	d	ɹ	e	-	-	i	n	ɸ	i	n	d	ɹ	e	-	-

ẽ→e:

ToThink.Pensare						Full.Primary					
p	ẽ	-	s	e	-	p	l	ẽ	-	-	-
p	e:	n	s	a:	r	e	p	l	e:	n	u

ẽ→i:

Road.Camminus						Near.Vicinus					
ɸ	ə	-	m	ẽ	-	v	w	a	z	ẽ	-
k	a	m	m	i:	n	w	-	i:	k	i:	n

ẽ→u:

How.Quomodo					
k	ɔ	m	ẽ	-	-
ɸ	e	m	u:	t	-

ẽ→o

Appendix 2 - Prior Frequencies

Far.Primary	Far.Primary	How.Quomodo	How.Quomodo
l w ẽ - t ẽ - - l - o n t a n o	l w ẽ - t ẽ - - l - o n t a n -	k ɔ m ẽ - - k ^w o: m o d o	k ɔ m ẽ - - k o m o - -

ẽ → ε:

Full.Primary
p l ẽ - - - p j ε: n o -

ẽ → ũ

ToStab.Primary	ToStab.Primary
p w ẽ - d - ɤ - p - ũ - ʒ i ɤ -	p w ẽ - d - ɤ - p - ũ - ʒ i r -

ẽ → ẽwĩ

Dog.Primary	Dog.Primary
f j ẽ - - - k - ẽ - - - wĩ	f j ẽ - - - k - ẽ - - - wĩ

ẽ → i

ToSqueeze.Stringere	ToBurn.Incendere
e - t ɤ ẽ - d - ɤ - - s t r i n dʒ e - -	ẽ - s ã - d j e - - i n tʃ i n d ʒ e - -

ẽ → ɐj

Full.Primary	Full.Primary
p l ẽ - - - f - ɐj - u -	p l ẽ - - - f - ɐj - u -

ẽ → ij

Dog.Primary
f j ẽ - - - k - ij n e -

ũ → u:

One.Primary	One.Primary
ũ - - - u: n u s	ũ - - - u: n u s

ũ → ɔ

One.Primary	One.Primary
ũ - - - ɔ - - -	ũ - - - ɔ - - -

ũ → ẽ

Appendix 2 - Prior Frequencies

ToStab.Primary						ToStab.Primary					
p	-	ũ	-	ʒ	i	ʁ	-	p	-	ũ	-
p	w	ẽ	-	d	-	ʁ	-	p	w	ẽ	-

ũ → œ

Some.Primary					Some.Primary					One.Primary					One.Primary				
a	w	g	ũ	-	a	ɫ	g	ũ	-	ũ	-	-	-	-	ũ	-	-	-	-
o	-	k	œ	-	o	-	k	œ	-	œ	-	-	-	-	œ	-	-	-	-

ẽw̃ → i

Seed.Granum					Seed.Granum				
g	r	ẽ	-	-	g	r	ẽ	-	-
		w̃	-	-			w̃	-	-
g	r	i	n	-	g	r	i	n	-

ẽw̃ → a:

Seed.Granum					Seed.Granum					Hand.Primary					Hand.Primary				
g	r	ẽ	-	-	g	r	ẽ	-	-	m	ẽ	-	-	-	m	ẽ	-	-	-
		w̃	-	-			w̃	-	-		w̃	-	-	-		w̃	-	-	-
g	r	a:	n	u	m	g	r	a:	n	u	m	m	a:	n	o	m	a:	n	o

ẽw̃ → u

Not.Primary			Not.Primary		
n	ẽ	-	n	ẽ	-
	w̃	-		w̃	-
n	u	-	n	u	-

ẽw̃ → o:

Not.Primary			Not.Primary		
n	ẽ	-	n	ẽ	-
	w̃	-		w̃	-
n	o:	n	n	o:	n

ẽw̃ → ε

Seed.Granum					Seed.Granum				
g	r	ẽ	-	-	g	r	ẽ	-	-
		w̃	-	-			w̃	-	-
g	ʁ	ε	n	-	g	ʁ	ε	n	-

ẽw̃ → ẽ

Dog.Primary					Dog.Primary				
k	-	ẽ	-	-	k	-	ẽ	-	-
		w̃	-	-			w̃	-	-
ɟ	j	ẽ:	-	-	ɟ	j	ẽ:	-	-

ẽw̃ → ɔ̃

Appendix 2 - Prior Frequencies

Not.Primary	Not.Primary	Not.Primary	Not.Primary
n ě -	n ě -	n ě -	n ě -
n ǃ -	n ǃ -	n ǃ -	n ǃ -

ẽǃ→i

Hand.Primary	Hand.Primary
m ě - - -	m ě - - -
m ǃ - - -	m ǃ - - -

ẽǃ→iw

Seed.Granum	Seed.Granum
g r ě - - -	g r ě - - -
g r ǃ - - -	g r ǃ - - -

ẽǃ→ij

Dog.Primary	Dog.Primary
k - ě - - -	k - ě - - -
k - ǃ - - -	k - ǃ - - -

ẽǃ→e:

Cloud.Primary
n u v ěǃ -
n u: b e: s

ẽǃ→o

Child.Ninnus	Child.Ninnus	Child.Ninnus	Child.Ninnus
n e n ěǃ	n e n ěǃ	n e n ěǃ	n e n ěǃ
n i ɲ o	n i n o	n i ɲ o	n i n o

ẽǃ→ẽ

Not.Nec
n ěǃ -
n ẽ -

ẽǃ→ə

In.In
ẽǃ -
ə n

ẽǃ→i

In.In
ẽǃ -
i n

Appendix 2 - Prior Frequencies

ẽj → e:

Cloud.Primary

n	u	v	ẽj	-
n	u:	b	e:	s

ẽj → a:

Mother.Primary	Mother.Primary	Mother.Primary	Mother.Primary
m ẽj - - -	m ẽj - - -	m ẽj - - -	m ẽj - - -
m a: t r e m	m a: d r e -	m a: t r e m	m a: d r e -

ẽj → ẽ

Not.Nec

n	ẽj	-
n	ẽ	-

ẽj → ə

In.In

ẽj	-
ə	n

ẽj → i

In.In

ẽj	-
i	n

õ → o:

Name.Nomen	Name.Nomen	Not.Primary	Not.Primary
n õ - - -	n õ - - -	n õ -	n õ -
n o: m e n	n o: m e -	n o: n	n o: n

õ → ɔ

Mountain.Primary	Name.Nomen	Name.Nomen
m õ - - -	n õ - - -	n õ - - -
m ɔ n t - -	n ɔ m - -	n ɔ ŋ - -

õ → ẽw

Not.Primary	Not.Primary	Not.Primary	Not.Primary
n õ -	n õ -	n õ -	n õ -
n ẽ -	n ẽ -	n ẽ -	n ẽ -
w	w	w	w

ã → ă

Leg.Gamba	Belly.Pantex
ɖ ă - p -	p ă - s - - -
ʒ ă - b -	p ă - s - - -

ă → ẽ

Appendix 2 - Prior Frequencies

Belly.Pantex							Belly.Pantex						
p	ã	-	s	-	-	-	p	ã	-	s	-	-	-
p	ẽ	-	s	-	-	ɐ	p	ẽ	-	s	-	-	ɐ

ã→i

Belly.Pantex						
p	ã	-	s	-	-	-
p	i	n	t	e	ʃ	e

œ̃→u:

One.Primary			
œ̃	-	-	-
u:	n	u	s

œ̃→õ

One.Primary			
œ̃	-	-	-
õ	-	-	-

œ̃→ũ

Some.Primary				Some.Primary				One.Primary				One.Primary			
o	-	k	œ̃	-	-	o	-	k	œ̃	-	-	œ̃	-	-	-
a	w	g	ũ	-	-	a	ɫ	g	ũ	-	-	ũ	-	-	-

ẽ:→e

Ash.Primary						
s	ẽ:	-	-	d	-	-
ʃ	e	n	e	-	r	e

ẽ:→i

Ash.Primary						
s	ẽ:	-	-	d	-	-
k	i	n	e	-	r	e

ẽ:→ɛ

Ash.Primary						
s	ẽ:	-	-	d	-	-
s	ɛ	n	-	d	r	ə

ẽ:→ã

Ash.Primary						
s	ẽ:	-	-	d	-	-
s	ã	-	-	d	ɸ	-

õ:→ã

Blood.Primary						
s	õ:	-	g	-	-	-
s	ã	-	-	-	-	-

Appendix 2 - Prior Frequencies

ō:→ē

Blood.Primary							Blood.Primary						
s	ō:	-	g	-	-	-	s	ō:	-	g	-	-	-
s	ē	-	g	-	i	-	s	ē	-	g	-	i	-

ō:→i

Blood.Primary						
s	ō:	-	g	-	-	-
s	i	n	ɔ̃	-	e	-

ēu→e

Tongue.Primary					
l	ēu	-	-	-	-
l	e	ŋ	g	w	a

ēu→i

Tongue.Primary					Tongue.Primary					Tongue.Primary				
l	ēu	-	-	-	l	ēu	-	-	-	l	ēu	-	-	-
l	i	n	g ^w	a	l	i	n	g	w	a	l	i	m	b
														ə

ēu→ε

Tongue.Primary					
l	ēu	-	-	-	-
l	ε	n	g	-	ε

ēu→ã

Tongue.Primary					
l	ēu	-	-	-	-
l	ã	-	g	-	-

ēu→ĩ

Tongue.Primary					Tongue.Primary				
l	ēu	-	-	-	l	ēu	-	-	-
l	ĩ	-	g	w	l	ĩ	-	g	w
				e					e

ə→u:

Day.Primary				Thin.Delicatus							
d	i	ə	-	d	ə	l	i	k	a	t	-
ɔ̃	-	u:	-	d	u:	-	z	e:	-	-	-

ə→ɔ̃

Sand.Sabulum					
s	o	-	-	r	ə
s	a	v	a	l	ɔ̃
					n

ə→ɔ̃:

Appendix 2 - Prior Frequencies

ToSplit.Partire	ToStand.Altiare
p ə r t i - -	- ə l s a - -
p ɔː R t i - -	h ɔː - s iː - -

ə→ɛ:

Fog.Tenebras
t - ə n - e b r ə s
t - ɛː n - e b r e -

ə→i

Guts.Primary	ToBurn.Incendere	ToBurn.Incendere
ə n t - r a ɲ - ə	ə n s e n d - - r ə	ə n s e n d - - r ə
i - t - r ẽ ɲ - ɐ	i - s e n dʒ ɪ a r -	i - s ẽ - d j a r -

ə→ẽj

In.In
ə n
ẽj -

ə→ẽj

In.In
ə n
ẽj -

ə→y

Fog.Nebula
n - e - - w l ə
n j ɔ - - - l y

ə→ɐj

ToSmell.Fragrare	ToBurn.Cremare
f l ə j r a - -	k r ə m a - -
f - ɐj - r a r -	k - ɐj m a r e

ə→ej

ToSmell.Fragrare	ToThrow.Primary	ToThrow.Primary	ToBurn.Cremare
f l ə j r a - -	ʒ ə - t e - -	ʒ ə - t e - -	k r ə m a - -
f - ej - r a ɤ -	ʒ ej - t a r -	ʒ ej - t a r -	k - ej m a ɤ e

ə→aj

ToKill.Primary	Two.Duae
n - ə g a - -	d o w ə
n w aj - e - -	d u - aj

ə→oj

ToRub.Primary
f r ə g a - -
f r oj - - -

Appendix 2 - Prior Frequencies

ə→ɪ

I.Primary			
ʒ	ə	-	-
dʒ	ɪ	-	-

ə→ɛj

ToRub.Primary					
f	r	ə	g	a	-
f	ʁ	ɛj	e	-	-

ə→w

Fog.Nebula							Fog.Nebula							Fog.Nebula							ToFall.Primary											
n	e	g	u	r	ə	-	n	e	g	u	r	ə	-	n	e	g	u	r	ə	-	k	ə	d	ə	-	n	e	g	u	r	ə	-
n	-	ɛ	-	v	w	-	n	-	ɛ	-	v	w	-	n	-	e	-	w	l	ə	ɟ	w	a	-	ɸ	-	-	-	-	-	-	

ə→j

ToFall.Primary					
k	ə	d	ɛa	-	-
tʃ	j	a	d	e	-

e→e:

Day.Primary				Day.Primary			
d	i	ɐ	-	d	i	ɐ	-
d	i	e:	s	d	i	e:	s

e→u

Fruit.Primary							Fruit.Primary								
f	r	u	-	-	t	ɐ	-	f	r	u	-	-	t	ɐ	-
f	r	u:	-	k	t	u	s	f	r	u:	-	k	t	u	s

e→u:

Day.Primary				Day.Primary			
d	i	ɐ	-	d	i	ɐ	-
dʒ	-	u:	-	dʒ	-	u:	-

e→ɔ:

ToSplit.Partire						
p	e	r	t	i	r	-
p	ɔ:	R	t	i	-	-

e→ɛ:

ToFall.Primary						ToFall.Primary							
k	-	ɐ	-	i	r	-	k	-	ɐ	-	i	r	-
tʃ	-	ɛ:	-	-	R	-	tʃ	-	ɛ:	-	-	R	-

e→ã

Appendix 2 - Prior Frequencies

Year.Primary	Year.Primary	Year.Primary	Year.Primary
ē - n u -	ē - n u -	ē - n u -	ē - n u -
ā - - - -	ā - - - -	ā - - - -	ā - - - -

e→ē

Grass.Gramen	Guts.Primary	Mountain.Montanea
g r ē m ē -	ē - t - r ē n - ē	m ô - t ē - n - ē
g r ē m ē -	ī - t - r ē n - ē	m ô - t ē - n - ē

e→y

Fog.Nebula	Fog.Nebula
n - ε - v w - ē	n - ε - v w - ē
n j ɔ - - - l y	n j ɔ - - - l y

e→aj

ToPull.Trahere
t r ē z e r -
t r aj - - - -

e→a

Sand.Primary	Sand.Primary	ToCut.Taliare	ToScratch.Rasare
- a r ej - ē	- ē r ej - ē	t ē - ʎ - a r -	ʁ ē z a r -
h a r e: n a	h a r e: n a	t a j - - e - -	ʁ a z e - -

e→d

ToFall.Primary	ToFall.Primary
k - ē - i r -	k - ē - i r -
k ə d ɛa - - -	k ə d ɛa - - -

e→v

ToDig.Excavare	ToDig.Excavare
i - ʃ k ē v a ʁ -	i - ʃ k ē v a r -
- s k a v a r e -	- s k a v a r e -

e→b

ToDig.Excavare	ToDig.Excavare
i - ʃ k ē v a ʁ -	i - ʃ k ē v a r -
e s k a b a r - -	e s k a b a r - -

i→e:

Hair.Primary	ToSplit.Separare	ToSwell.Crescere
p - i l u -	s i p ē r a r -	k r - i ʃ s e r -
p - e: l - -	s e: p a r a: r e	k r - e: s k e: r e

i→a:

Appendix 2 - Prior Frequencies

Hand.Primary				
m	i	n	ə	-
m	a:	n	o	-

i→u

Small.Pittinus				
p	i	-	k	e n u -
p	u	-	ts	i n - -

i→o:

ToKnow.Cognoscere				
k	u	-	ɲ	i s - e r -
k	o	g	n	o: s k e r e

i→ɔ

ToKnow.Cognoscere				
k	u	-	ɲ	i s - e r -
k	i	-	n	ɔ h - - - -

i→ɛ:

What.Primary				
k	-	i	-	
k	w	ɛ:	-	

i→ø:

Narrow.Strictus				
-	s	t	r	- i m - t - -
-	s	t	ʁ	- ø: - - - - -

i→õ

Round.Primary					Round.Primary				
ʁ	i	d	õ	- d u -	ʁ	i	d	õ	- d u -
ʁ	õ	-	-	- - - -	r	õ	-	-	- - - -

i→ĩ

ToSqueeze.Stringere										ToSqueeze.Stringere										ToBurn.Incendere										ToBurn.Incendere									
-	s	t	r	i	n	dʒ	e	-	-	-	s	t	r	i	n	dʒ	e	-	-	i	n	ʃ	i	n	d	ʒ	e	-	-	i	n	ʃ	i	n	d	ʒ	e	-	-
ə	ʃ	t	r	ĩ	-	ʒ	i	r	-	ə	ʃ	t	r	ĩ	-	ʒ	i	r	-	ĩ	-	s	e	n	dʒ	ɪ	a	r	-	ĩ	-	s	ẽ	-	d	j	a	r	-

i→ẽ

ToSqueeze.Stringere										ToBurn.Incendere									
-	s	t	r	i	n	dʒ	e	-	-	i	n	ʃ	i	n	d	ʒ	e	-	-
e	-	t	ʁ	ẽ	-	d	-	ʁ	-	ẽ	-	s	ã	-	d	j	e	-	-

i→ẽw̃

Appendix 2 - Prior Frequencies

Hand.Primary					Hand.Primary				
m	i	n	ə	-	m	i	n	ə	-
m	ẽ	-	-	-	m	ẽ	-	-	-
	ũ					ũ			

i→ẽj

In.In	
i	n
ẽj	-

i→ũj

In.In	
i	n
ũj	-

i→ã

Belly.Pantex							
p	i	n	t	e	ŋ	e	-
p	ã	-	s	-	-	-	-

i→õ:

Blood.Primary							
s	i	n	ɖ	-	e	-	-
s	õ:	-	g	-	-	-	-

i→y

River.Rivus				
r	i	-	w	-
ʁ	y	-	-	-

i→ej

Narrow.Strictus									
-	s	t	r	-	i	m	-	t	-
i	ʃ	t	r	-	ej	-	-	t	u

i→ej

Narrow.Strictus									
-	s	t	r	-	i	m	-	t	-
i	s	t	r	-	ej	-	-	t	u

i→ɔa

ToKnow.Cognoscere									
k	u	-	ɲ	i	s	-	e	r	-
k	u	-	n	ɔa	ʃ	t	e	-	-

i→ɛa

Appendix 2 - Prior Frequencies

ToDrink.Primary						
b	-	i	β	e	r	-
b	-	ea	-	-	-	-

i→a

ToDrink.Primary						
b	-	i	β	e	r	-
b	w	a	-	-	ʁ	-

i→m

Worm.Primary					
v	e	r	m	i	-
v	j	e	r	m	e

y→i:

River.Rivus			
ʁ	y	-	-
r	i:	w	u s

y→a

Fog.Nebula						Fog.Nebula						Fog.Nebula					
n	j	ɔ	-	-	l y	n	j	ɔ	-	-	l y	n	j	ɔ	-	-	l y
n	-	e	-	b	u l a	n	j	e	-	b	l a	n	-	e	b	b	j a

y→o

Feather.Primary					Night.Primary					Night.Primary				
p	l	y	m	-	n	-	y	-	t - -	n	-	y	-	t - -
p	l	o	m	ə	n	-	o	c	t e m	n	-	o	-	ʈ e -

y→ɔ

Feather.Primary					Night.Primary					Night.Primary				
p	l	y	m	-	n	-	y	-	t - -	n	-	y	-	t - -
p	l	ɔ	m	-	n	-	ɔ	t	t e -	ɲ	-	ɔ	-	t - -

y→ø

Moon.Primary			
l	y	n	-
l	ø	n	-

y→ə

Fog.Nebula					
n	j	ɔ	-	-	l y
n	-	e	-	-	w l ə

y→e

Fog.Nebula						Fog.Nebula					
n	j	ɔ	-	-	l y	n	j	ɔ	-	-	l y
n	-	ε	-	v	w - e	n	-	ε	-	v	w - e

Appendix 2 - Prior Frequencies

y → i

River.Rivus					
ʁ	y	-	-	-	-
r	i	-	w	-	-

y → qa

Night.Primary					
n	-	y	-	t	-
n	-	qa	p	t	e

y → oj

Night.Primary					
n	-	y	-	t	-
n	-	oj	-	t	i

Night.Primary					
n	-	y	-	t	-
n	-	oj	-	t	i

y → w

ToFlow.Primary					
f	l	y	e	-	-
f	l	w	i	ʁ	-

ToFlow.Primary					
f	l	y	e	-	-
f	l	w	i	r	-

y → ɥ

Fruit.Primary					
f	ʁ	y	-	-	-
f	ʁ	ɥ	i	-	-

ej → e:

Sand.Primary					
-	ɐ	r	ej	-	ɐ
h	a	r	e:	n	ɑ

Full.Primary					
ʃ	-	ej	-	u	-
p	l	e:	n	u	s

Full.Primary					
ʃ	-	ej	-	u	-
p	l	e:	n	u	s

Straight.Primary					
d	i	r	-	ej	-
d	i:	r	-	e:	k

ej → a:

ToSmell.Fragrare					
ʃ	-	ej	-	r	a
f	r	a:	g	r	a:

ej → ε:

Full.Primary					
ʃ	-	ej	-	u	-
p	j	ε:	n	o	-

Full.Primary					
ʃ	-	ej	-	u	-
p	j	ε:	n	o	-

ej → ø:

Narrow.Strictus					
i	ʃ	t	r	-	ej
-	s	t	ʁ	-	ø:

Straight.Primary					
d	i	r	-	ej	-
d	-	r	-	ø:	-

ej → ø

Appendix 2 - Prior Frequencies

Old.Primary						
v	-	ej	-	-	Λ	u
v	j	ø	-	-	-	-

ej→ē

Breast.Primary				Full.Primary				Full.Primary			
s	ej	-	u	-	f	-	ej	-	u	-	
s	ē	-	-	-	p	l	ē	-	-	-	

ej→ē

Full.Primary				Full.Primary			
f	-	ej	-	u	-	f	-
p	l	ē	-	-	-	p	l

ej→ə

ToSmell.Fragrare						ToBurn.Cremare					
f	-	ej	-	r	a	r	-	k	-	ej	m
f	l	ə	j	r	a	-	-	k	r	ə	m

ej→i

Narrow.Strictus									
i	f	t	r	-	ej	-	-	t	u
-	s	t	r	-	i	m	-	t	-

ej→aj

Ear.Primary					
o	r	ej	-	-	Λ
ɔ	r	aj	-	-	-

ej→εj

Red.Vermiculus									
v	i	r	m	ej	-	-	Λ	u	-
v	ε	ʁ	m	εj	-	-	-	-	-

ej→e:

Sand.Primary				Straight.Primary				Three.Primary		Three.Primary	
-	a	r	ej	-	ɔ	i	r	-	ej	-	t
h	a	r	e:	n	a	d	i:	r	-	e:	k

ej→a:

ToSmell.Fragrare					
f	-	ej	-	r	a
f	r	a:	g	r	a:

ej→ø:

Narrow.Strictus						Straight.Primary				Three.Primary	
i	s	t	r	-	ej	-	-	t	u	-	ɔ
-	s	t	ʁ	-	ø:	-	-	-	-	-	d

Appendix 2 - Prior Frequencies

ej→ø

Hair.Capillus							
c	a	v	ej	-	-	-	-
ʃ	ə	v	ø	-	-	-	-

ej→ẽ

Breast.Primary				
s	ej	-	u	-
s	ẽ	-	-	-

ej→ə

ToSmell.Fragrare								ToThrow.Primary					ToThrow.Primary					ToBurn.Cremare										
ʃ	-	ej	-	r	a	ʁ	-	ʒ	ej	-	t	a	r	-	ʒ	ej	-	t	a	r	-	k	-	ej	m	a	ʁ	e
f	l	ə	j	r	a	-	-	ʒ	ə	-	t	e	-	-	ʒ	ə	-	t	e	-	-	k	r	ə	m	a	-	-

ej→i

Narrow.Strictus										
i	s	t	r	-	ej	-	-	t	u	-
-	s	t	r	-	i	m	-	t	-	-

ej→aj

Ear.Primary					
o	ʁ	ej	-	-	-
ɔ	r	aj	-	-	-

ej→a

Three.Primary				
t	r	-	ej	-
t	ʁ	w	a	-

ej→j

Hair.Capillus							
c	a	v	ej	-	-	-	-
ʃ	i	v	j	-	-	a	-

qa→e

Leaf.Primary					ToKnow.Cognoscere										
f	-	qa	-	j	e	k	u	-	n	qa	ʃ	t	e	-	-
f	w	e	-	-	e	k	o	-	n	e	s	-	e	ʁ	-

qa→i

Night.Primary							Night.Primary						
n	-	qa	p	t	e	-	n	-	qa	p	t	e	-
n	ɥ	i	-	-	-	-	n	-	i	-	t	-	-

qa→a

Appendix 2 - Prior Frequencies

Woman.Domina	BarkOfATree.Skorteā	BarkOfATree.Skorteā
d ɔ̥ a m - n ə	- s k - ɔ̥ a r t s - ə	- s k - ɔ̥ a r t s - ə
d a m - - -	- s k w a s - - -	- s k w a r t s - e

ɔ̥ a → u:

Rain.Primary
p l ɔ̥ a - - j e
p l u: - ʁ - -

ɔ̥ a → ε

ToKnow.Cognoscere	ToKnow.Cognoscere
k u - n ɔ̥ a f t e - -	k u - n ɔ̥ a f t e - -
k ɔ̥ - n ε - t - ʁ -	k u - n ε f - ə - -

ɔ̥ a → ø:

Flower.Primary	ToSew.Primary
f l ɔ̥ a r e - -	c ɔ̥ a - - s - e - -
f l ø: ʁ - - -	k ø: - - z - - - -

ɔ̥ a → ø

Tail.Primary
c ɔ̥ a d ə
k ø - - -

ɔ̥ a → i

ToKnow.Cognoscere
k u - n ɔ̥ a f t e - -
k u - ɲ i s - e r -

ɔ̥ a → y

Night.Primary
n - ɔ̥ a p t e -
n - y - t - -

ɔ̥ a → oj

Night.Primary	Night.Primary
n - ɔ̥ a p t e -	n - ɔ̥ a p t e -
n - oj - t i -	n - oj - t i -

ɔ̥ a → œ

Woman.Domina	Leaf.Primary	Flower.Primary
d ɔ̥ a m - n ə	f - ɔ̥ a - j e	f l ɔ̥ a r e -
d œ m - - -	f - œ j - -	f l œ ʁ - -

ɔ̥ a → au

Tail.Primary	Tail.Primary	Tail.Primary
c ɔ̥ a d ə	c ɔ̥ a d ə	c ɔ̥ a d ə
k au d a	k au d ɐ	k au d ɐ

Appendix 2 - Prior Frequencies

qa→ɔj

Leaf.Primary				
f	-	qa	-	j e
f	-	ɔj	-	-

qa→ɥ

Rain.Primary				
p	l	qa	-	j e
p	l	ɥ	-	i -

aj→i

Ear.Primary				
ɔ	ʀ	aj	-	- -
o:	r	i	-	k l a

aj→i:

Sky.Primary					Sky.Primary				
k	-	aj	l	u m	k	-	aj	l	u m
s	-	i:	ʁ	- -	ʃ	-	i:	l	- -

aj→a:

Father.Primary					Father.Primary				
p	aj	-	-	-	p	aj	-	-	-
p	a:	d	r	e	p	a:	d	r	e

aj→o

Water.Primary					Sand.Sabulum					Sand.Sabulum				
aj	-	ɥ	w	ə	s	aj	β	-	r u -	s	aj	β	-	r u -
o	-	-	-	-	s	o	-	-	r ə -	s	o	-	-	r ə -

aj→o:

Sand.Sabulum					Sand.Sabulum				
s	aj	β	-	r u -	s	aj	β	-	r u -
s	o:	v	-	j ð -	s	o:	v	-	j ð -

aj→ɛ:

Father.Primary					Father.Primary					Water.Primary				
p	aj	-	-	-	p	aj	-	-	-	aj	-	ɥ	w	ə
p	ɛ:	-	r	-	p	ɛ:	-	r	-	ɛ:	-	-	w	-

aj→ə

ToKill.Primary					Two.Duae				
n	w	aj	-	e - -	d	u	-	aj	
n	-	ə	g	a - -	d	o	w	ə	

aj→ɐ

Appendix 2 - Prior Frequencies

ToPull.Trahere						
t	r	aj	-	-	-	-
t	r	ɐ	z	e	r	-

aj→ɐj

Ear.Primary						
ɔ	R	aj	-	-	-	-
o	r	ɐj	-	-	ʌ	ɐ

aj→ej

Ear.Primary						
ɔ	R	aj	-	-	-	-
o	ʁ	ej	-	-	-	-

aj→ɛa

Fog.Caecia						
k	aj	k	i	a		
ʃ	ɛa	ʃ	-	ə		

oj→e

ToRub.Primary							ToRub.Primary							ToRub.Primary							ToRub.Primary													
f	r	oj	-	-	-	-	f	r	oj	-	-	-	-	f	r	oj	-	-	-	-	f	r	oj	-	-	-	-	f	r	oj	-	-	-	-
f	r	e	g	a	r	-	f	r	e	g	a	r	e	f	r	e	-	a	-	-	f	r	e	k	a	-	-	-	-	-	-	-	-	

oj→ø:

Two.Duos				Two.Duos				Two.Duos				Two.Duos			
d	-	oj	s	d	-	oj	ʃ	d	-	oj	-	d	-	oj	-
d	-	ø:	-	d	-	ø:	-	d	-	ø:	-	d	-	ø:	-

oj→ø

Two.Duos				Two.Duos				Two.Duos				Two.Duos			
d	-	oj	s	d	-	oj	ʃ	d	-	oj	-	d	-	oj	-
d	-	ø	-	d	-	ø	-	d	-	ø	-	d	-	ø	-

oj→ə

ToRub.Primary						
f	r	oj	-	-	-	-
f	r	ə	g	a	-	-

oj→y

Night.Primary							Night.Primary						
n	-	oj	-	t	i	-	n	-	oj	-	t	i	-
n	-	y	-	t	-	-	n	-	y	-	t	-	-

oj→qa

Night.Primary							Night.Primary						
n	-	oj	-	t	i	-	n	-	oj	-	t	i	-
n	-	qa	p	t	e	-	n	-	qa	p	t	e	-

Appendix 2 - Prior Frequencies

oj→ɔj

We.Primary				YouPlural.Primary			
n	oj	-	-	v	oj	-	-
n	ɔj	-	s	v	ɔj	s	-

oj→ɛj

ToRub.Primary						
f	r	oj	-	-	-	-
f	ʁ	ɛj	e	-	-	-

ea→i:

Snow.Primary					
n	-	ea	-	-	-
n	-	i:	f	-	-

ea→ø:

Star.Primary						
-	s	t	-	ea	-	-
-	s	t	-	ø:	-	l

ea→i

ToDrink.Primary						
b	-	ea	-	-	-	-
b	-	i	β	e	r	-

ea→aj

Fog.Caecia					
ʃ	ea	ʃ	-	ə	-
k	aj	k	i	a	-

ea→a

ToDrink.Primary						
b	-	ea	-	-	-	-
b	w	a	-	-	ʁ	-

ea→w

ToFall.Primary					
k	ə	d	ea	-	-
k	-	a	w	-	r ə

ea→d

ToFall.Primary							ToFall.Primary							ToFall.Primary						
k	ə	d	ea	-	-	-	k	ə	d	ea	-	-	-	k	ə	d	ea	-	-	-
k	-	a	d	e	r	e	k	-	a	d	e	r	e	ʃ	j	a	d	e	-	-

a→e:

Appendix 2 - Prior Frequencies

Three.Primary	Three.Primary
t ɹ w ɑ -	t ɹ w ɑ -
t r - e: s	t r - e: -

ɑ→i:

Liver.Primary
f w ɑ - - - -
f - i: k a: t u m

ɑ→a:

ToCut.Taliare
t ɑ j - - e - -
t a: - l i a: r e

ɑ→ɔ:

Heart.Anima
ɑ - - m -
ɔ: - - m -

ɑ→ɛ

ToDrink.Primary	ToCut.Taliare	Three.Primary
b w ɑ - - ɹ -	t ɑ j - - e - -	t ɹ w ɑ -
b - ɛ w - r ə	t ɛ - - j i: - -	t r - ɛ s

ɑ→ø:

Liver.Primary	Three.Primary
f w ɑ - - - -	t ɹ w ɑ -
f - ø: - - t - -	t r - ø: -

ɑ→ɐ

Sand.Primary	Sand.Primary	ToCut.Taliare	ToScratch.Rasare
h a r e: n ɑ	h a r e: n ɑ	t ɑ j - - e - -	ɹ ɑ z e - -
- a r ej - ɐ	- ɐ r ej - ɐ	t ɐ - ʎ - a r -	ɹ ɐ z a r -

ɑ→i

ToDrink.Primary
b w ɑ - - ɹ -
b - i β e r -

ɑ→ej

Three.Primary
t ɹ w ɑ -
t r - ej -

ɑ→ɛa

ToDrink.Primary
b w ɑ - - ɹ -
b - ɛa - - -

Appendix 2 - Prior Frequencies

æ→e:

Woman.Primary							
f	æ	-	m	-	-	-	-
f	e:	-	m	i	-	n	a

æ→a

Woman.Primary								Woman.Domina			
f	æ	-	m	-	-	-	-	d	æ	m	-
f	a	-	m	-	-	-	-	d	a	m	-

æ→u

Leaf.Primary						Mouth.Gula				Mouth.Gula			
f	-	æ	j	-	-	g	æ	l	-	g	æ	l	-
f	-	u	ʌ	-	ə	g	u	l	a	g	u	r	ə

æ→o:

Flower.Primary						Flower.Primary						Flower.Primary						Egg.Primary				
f	l	æ	ʁ	-	-	f	l	æ	ʁ	-	-	f	l	æ	ʁ	-	-	-	æ	f	-	-
f	l	o:	r	e	m	f	j	o:	r	e	-	f	l	o:	r	-	-	-	o:	w	u	m

æ→ε

Woman.Primary							
f	æ	-	m	-	-	-	-
f	ε	-	m	i	-	n	ε

æ→ø:

Flower.Primary						Mouth.Gula			
f	l	æ	ʁ	-	-	g	æ	l	-
f	l	ø:	ʁ	-	-	g	ø:	j	-

æ→ɔa

Woman.Domina						Leaf.Primary						Flower.Primary					
d	æ	m	-	-	-	f	-	æ	j	-	-	f	l	æ	ʁ	-	-
d	ɔa	m	-	n	ə	f	-	ɔa	-	j	e	f	l	ɔa	r	e	-

æ→ɔj

Leaf.Primary					
f	-	æ	j	-	-
f	-	ɔj	-	-	-

au→o:

Few.Primary					
p	au	k	u	s	
p	o:	k	-	-	

au→ø

Appendix 2 - Prior Frequencies

Tail.Primary	Tail.Primary	Tail.Primary	Few.Primary
k aṽ d a	k aṽ d ɐ	k aṽ d ɐ	p aṽ k u s
k ø - -	k ø - -	k ø - -	p ø - - -

aṽ → ɔ̃

ToHear.Primary	ToHear.Primary	Few.Primary
aṽ - d i: r e	aṽ - z i - -	p aṽ k u s
ɔ̃ - - R - -	ɔ̃ - - R - -	p ɔ̃ - - -

aṽ → ɔa

Tail.Primary	Tail.Primary	Tail.Primary
k aṽ d a	k aṽ d ɐ	k aṽ d ɐ
c ɔa d ə	c ɔa d ə	c ɔa d ə

aṽ → w

ToHear.Primary	ToHear.Primary
aṽ - d i: r e	aṽ - z i - -
w - - i ɛ - -	w - - i ɛ - -

ɔj → i

ToTie.Primary	ToTie.Primary	ToTie.Primary
l ɔj i: - - -	l ɔj i: - - -	l ɔj i: - - -
l i g a: r e	l i - e - -	ɬ i ɣ a - -

ɔj → u

We.Primary	YouPlural.Primary	YouPlural.Primary	Leaf.Primary
n ɔj - s	v ɔj s -	v ɔj s -	f - ɔj - - -
n u - -	v u - -	b u - s	f - u ɬ - ə

ɔj → ɔ

We.Primary	Leaf.Primary
n ɔj - s	f - ɔj - - -
n ɔ - ʃ	f - ɔ ɬ ɬ a

ɔj → ɔa

Leaf.Primary
f - ɔj - - -
f - ɔa - j e

ɔj → ɔj

We.Primary	YouPlural.Primary
n ɔj - s	v ɔj s -
n ɔj - -	v ɔj - -

ɔj → œ

Appendix 2 - Prior Frequencies

Leaf.Primary					
f	-	ɔj	-	-	-
f	-	œ	j	-	-

ɪ→e

I.Primary				I.Primary				I.Primary				I.Primary			
ɔj	ɪ	-	-	ɔj	ɪ	-	-	ɔj	ɪ	-	-	ɔj	ɪ	-	-
-	e	g	o:	-	e	-	w	-	e	-	w	j	e	-	w

ɪ→ə

I.Primary			
ɔj	ɪ	-	-
ʒ	ə	-	-

ɪ→j

ToBurn.Incendere										ToBurn.Incendere										ToBurn.Incendere									
ī	-	s	e	n	ɔj	ɪ	a	r	-	ī	-	s	e	n	ɔj	ɪ	a	r	-	ī	-	s	e	n	ɔj	ɪ	a	r	-
ē	-	s	ā	-	d	j	e	-	-	i	n	ʃ	ε	n	d	j	a	r	e	ī	-	s	ē	-	d	j	a	r	-

ɪ→ʒ

ToBurn.Incendere									
ī	-	s	e	n	ɔj	ɪ	a	r	-
i	n	ʃ	i	n	d	ʒ	e	-	-

εj→i

Sun.Soliculus								ToRub.Primary								Red.Vermiculus								Red.Vermiculus											
s	ɔ	l	ɛj	-	-	-	-	f	ʁ	ɛj	e	-	-	-	-	v	ɛ	ʁ	m	ɛj	-	-	-	-	v	ɛ	ʁ	m	ɛj	-	-	-	-		
s	o	l	i	k	u	l	u	s	f	r	i	k	a:	r	e	v	e	r	m	i	k	u	l	u	s	v	e	r	m	i	ʌ	-	ʌ	o	-

εj→ε

Red.Vermiculus									
v	ε	ʁ	m	εj	-	-	-	-	-
b	ə	r	m	ε	-	-	λ	-	-

εj→ə

ToRub.Primary							
f	ʁ	εj	e	-	-	-	-
f	r	ə	g	a	-	-	-

εj→vʲ

Red.Vermiculus									
v	ε	ʁ	m	εj	-	-	-	-	-
v	i	r	m	vʲ	-	-	λ	u	-

εj→oj

ToRub.Primary							
f	ʁ	εj	e	-	-	-	-
f	r	oj	-	-	-	-	-

Appendix 2 - Prior Frequencies

iw → i

Seed.Granum					
g	r	iw	-	-	-
g	r	i	n	-	-

iw → a

Seed.Granum						Seed.Granum						Seed.Granum						Seed.Granum					
g	r	iw	-	-	-	g	r	iw	-	-	-	g	r	iw	-	-	-	g	r	iw	-	-	-
g	r	a	n	o	-	g	r	a	n	o	-	g	r	a	-	-	-	g	r	a	n	-	-

iw → a:

Seed.Granum					
g	r	iw	-	-	-
g	r	a:	n	u	m

iw → ε

Seed.Granum					
g	r	iw	-	-	-
g	ʁ	ε	n	-	-

iw → ẽwĩ

Seed.Granum						Seed.Granum					
g	r	iw	-	-	-	g	r	iw	-	-	-
g	r	ẽ	-	-	-	g	r	ẽ	-	-	-
		wĩ						wĩ			

ij → ě

Dog.Primary					
k	-	ij	n	e	-
ʃ	-	ě	-	-	-

ij → ě

Dog.Primary					
k	-	ij	n	e	-
ʃ	j	ě	-	-	-

ij → ẽwĩ

Dog.Primary						Dog.Primary					
k	-	ij	n	e	-	k	-	ij	n	e	-
k	-	ẽ	-	-	-	k	-	ẽ	-	-	-
		wĩ						wĩ			

ʊ → u

Red.Primary						Red.Primary						Red.Primary					
ʁ	o	-	ʃ	ʊ	-	ʁ	o	-	ʃ	ʊ	-	ʁ	o	-	ʃ	ʊ	-
r	u	s	s	u	s	ʁ	o	-	ʃ	u	-	ʁ	o	-	ʃ	u	-

ʊ → o

Appendix 2 - Prior Frequencies

Red.Primary	Red.Primary
ʁ o - ʃ ʊ -	ʁ o - ʃ ʊ -
r o - x o -	r o s s o -

n→w

Heart.Anima	Heart.Anima	Heart.Anima
a n i m a	a n i m e	i n i m ə
a w - m ɐ	a w - m ɐ	a w - m ɐ

n→k

Knee.Geniculum	Long.Longum	Long.Longum	Long.Longum
ɕ - e n u n k ^j - - -	l o - n g u s	l o - n g o -	l u - n g o -
ɕ - i n ɔ k k - j o -	l u n k - - -	l u n k - - -	l u n k - - -

n→b

Name.Nominem
n o: m i n - e m
n o m - b r e -

m→i

Worm.Primary
v j e r m e
v e ʁ m i -

m→a

Belly.Pantex
p a n t i k e m
p a n θ - - - a

m→i

Worm.Primary
v j e r m e
v e r m i -

m→ɲ

All.Primary
o m n i s
o ɲ ɲ i -

m→v

ToCount.Numerare	ToCount.Numerare	ToCount.Numerare	ToCount.Numerare
n u m - e r a: r e	n u m - e r a - -	n u m - e r a: - -	n u m - a r a - -
n o v - e r a r e	n o v - e r a r e	n o v - e r a r e	n o v - e r a r e

ɲ→m

All.Primary
o ɲ ɲ i -
o m n i s

Appendix 2 - Prior Frequencies

n→l

Animal.Primary	Animal.Primary
a l i m a n - a	a l i m a n - a
a n i m a l i a	- n e m a: l - -

n→g

ToFight.Primary	Big.Primary
p u n n a r e	m a n n o -
p u g n a: r e	m a g n u s

η→k

Long.Longum
λ o - η - - -
l u n k - - -

η→g

Long.Longum	Long.Longum	Long.Longum
λ o - η - - -	λ o - η - - -	λ o - η - - -
l ð - g u - -	l ð - g u - -	l u n g - - -

r→e

Worm.Primary	Worm.Primary	ToDig.Excavare
w e r m e m	v e r m e -	e k s k a w a: r e
v j e r m e	v j e r m e	- s k a v a r e -

r→a

ToDig.Excavare	ToDig.Excavare
- s k a v a r e -	- s k a v a r e -
i - f k ɐ v a ʁ -	i - f k ɐ v a r -

r→a:

ToDig.Excavare	ToDig.Excavare
- s k a v a r e -	- s k a v a r e -
e k s k a w a: r e	- - z ʃ a v a: - -

r→ε

Worm.Primary	Worm.Primary	Worm.Primary	Worm.Primary
w e r m e m	w e r m e m	v e r m e -	v e r m e -
v j ε R - -	v j ε r - -	v j ε R - -	v j ε r - -

r→w

Salt.Primary	ToPull.Trahere	Thin.Subtilis	Thin.Subtilis
s a r e -	t r a r - r e	s u b t s i r e -	s u b t s i r e -
s a w - -	t r ε w - r ə	s u - tʃ i w - -	s u - tʃ i w - -

Appendix 2 - Prior Frequencies

r→j

Sand.Sabulum						
s	o	-	-	r	ə	-
s	o:	v	-	j	ō	-

r→d

Round.Primary							Round.Primary							Round.Primary							Round.Primary													
t	a	r	ɔ	n	t	-	t	a	r	ɔ	n	t	-	t	a	r	ɔ	n	t	-	t	a	r	ɔ	n	t	-	t	a	r	ɔ	n	t	-
r	e	d	o	n	d	o	ɸ	e	d	ō	-	d	u	-	ɸ	i	d	ō	-	d	u	-	r	ə	d	o	-	-	-	-	-	-	-	

r→v

Fog.Nebula							Fog.Nebula						
n	e	g	u	r	ə	-	n	e	g	u	r	ə	-
n	-	ε	-	v	w	ɸ	n	-	ε	-	v	w	ɸ

r→b

Fog.Nebula							Fog.Nebula							Fog.Nebula							
n	e	g	u	r	ə	-	n	e	g	u	r	ə	-	n	e	g	u	r	ə	-	-
n	-	e	-	b	u	l	a	n	j	e	-	b	-	n	-	e	b	b	-	j	a

r→z

ToPull.Trahere							ToPull.Trahere						
t	r	a	r	-	r	e	t	r	a	r	-	r	e
t	r	a	z	e	-	-	t	r	ɸ	z	e	r	-

r→ɫ

Ice.Primary				
ɕ	e	r	-	-
ʒ	ε	ɫ	-	-

r→h

ToPull.Trahere						
t	r	a	r	-	r	e
t	r	a	h	e	r	e

l→u

Louse.Primary							Louse.Primary							Eye.Primary										
p	-	e	d	u	-	k	p	-	e	d	u	-	k	l	u	s	v	o	-	-	l	i	-	-
p	-	i	-	o	-	ɰ	p	-	i	-	o	-	ɰ	u	-		-	o	-	k	u	l	u	s

l→o

Eye.Primary						
-	o	-	k	u	l	u
-	o	-	x	-	o	-

l→ɲ

Appendix 2 - Prior Frequencies

Animal.Primary	Animal.Primary
a n i m a l i a	- n e m a: l - -
a l i m a n - a	a l i m a n - a

l→s

ToPull.Pulsare	ToPull.Pulsare	ToPull.Pulsare	ToPull.Pulsare
p u l s a: r e	p u l s a r e	p u l s a: - -	p u l s a - -
p u: s i: - - -	p u: s i: - - -	p u: s i: - - -	p u: s i: - - -

l→t

Back.Spatula	Back.Spatula	Back.Spatula	Back.Spatula
e s p a l - d a	e s p a l - d a	- s p a l - l a	- s p a l - l a
- s p a t u l a	- s p a t - - e	- s p a t u l a	- s p a t - - e

l→k

Louse.Primary	Louse.Primary	Louse.Primary	Old.Primary
p - e d o - l i - -	p - e d o - l i - -	p - e d o - l i - -	w - e t u l u s
p - e d u - k l u s	p - i d ɔ k k j o -	p - ɐ d u - k j e -	v - ɛ k - k j o

l→x

Woman.Mulier	Louse.Primary	Leaf.Primary	ToCut.Taliare
m u l i e r e m	p - e d o - l i - -	f - o l i a	t a: - l i a: r e
m u x - e r - -	p j o - - - x - o -	- - o x - a	t a - x - a r -

w→a

ToDig.Excavare	ToDig.Excavare
e k s k a w a: r e	e k s k a w a: r e
e s k a b a r - -	- s k a v a r e -

w→u:

Bird.Avicellum
- a w i - k - e l l u m
- - u: - - h - ɛ: - - -

w→o:

I.Primary	I.Primary	I.Primary
- e - w	- e - w	j e - w
- e g o:	- e g o:	- e g o:

w→ø:

ToDrink.Primary
b w ɑ - - ʁ -
b ø: - - ʁ - -

w→ö

Appendix 2 - Prior Frequencies

ToHear.Primary

w	-	-	i	ʁ	-
ō	-	-	R	-	-

w→ə

Fog.Nebula							Fog.Nebula							Fog.Nebula							ToFall.Primary										
n	-	ε	-	v	w	-	ɐ	n	-	ε	-	v	w	-	ɐ	n	-	e	-	-	w	l	ə	ʃ	w	a	-	-	ʁ	-	
n	e	g	u	r	ə	-	-	n	e	g	u	r	ə	-	-	n	e	g	u	r	ə	-	-	k	ə	d	ɛ	a	-	-	-

w→y

ToFlow.Primary						ToFlow.Primary					
f	l	w	i	ʁ	-	f	l	w	i	r	-
f	l	y	e	-	-	f	l	y	e	-	-

w→ɛa

ToFall.Primary						
k	-	a	w	-	r	ə
k	ə	d	ɛ	-	-	-

w→au

ToHear.Primary						ToHear.Primary					
w	-	-	i	ʁ	-	w	-	-	i	ʁ	-
au	-	d	i	r	e	au	-	z	i	-	-

w→n

Heart.Anima						Heart.Anima						Heart.Anima					
a	w	-	m	ɐ		a	w	-	m	ɐ		a	w	-	m	ɐ	
a	n	i	m	a		a	n	i	m	e		i	n	i	m	ə	

w→r

Salt.Primary						ToPull.Trahere						Thin.Subtilis						Thin.Subtilis												
s	a	w	-	-		t	r	ε	w	-	r	ə	s	u	-	ʃ	i	w	-	-			s	u	-	ʃ	i	w	-	-
s	a	r	e			t	r	a	r	-	r	e	s	u	b	ʃ	i	r	e				s	u	b	ʃ	i	r	e	

w→ʁ

Rain.Primary						Sky.Primary						Sky.Primary						
p	l	u	-	w	i	a	s	-	ε	w	-	-	s	-	ε	w	-	-
p	l	u:	-	ʁ	-	-	s	-	i:	ʁ	-	-	s	-	i:	ʁ	-	-

w→ʒ

Rain.Primary						
p	l	u	-	w	i	a
p	l	u	-	ʒ	-	ə

w→dʒ

Appendix 2 - Prior Frequencies

Rain.Primary	ToPull.Trahere
p l u - w i a	t r ε w - r ə
p j o d ɔ̃ - a	t r a ɔ̃ e - -

w→z

ToPull.Trahere	ToPull.Trahere
t r ε w - r ə	t r ε w - r ə
t r a z e - -	t r ɐ z e r -

w→h

ToPull.Trahere
t r ε w - r ə
t r a h e r e

w→ɥ

ToThink.Primary	ToKill.Tutari	ToFloat.Primary
k w - - i d a r -	t u w - e - -	f l u g t w a r -
k ɥ - - i d e - -	t - ɥ - e - -	f l y k t ɥ e - -

j→o

Eye.Primary
- ɔ k k - j o -
- o - x - o - -

j→ε

Worm.Primary	Worm.Primary	Worm.Primary	Hair.Capillus
v j ε R - -	v j ε r - -	v j e r m e	ʃ i v j - - a -
v ε r m - -	v ε r m - -	v ε r m - -	k ə b ε - ʌ - -

j→ø

Hair.Capillus
ʃ i v j - - a -
f ə v ø - - - -

j→ə

ToFall.Primary
ʃ j a d e - -
k ə d ɛ a - - -

j→ej

Hair.Capillus
ʃ i v j - - a -
c a v ej - - - -

j→ɪ

ToBurn.Incendere	ToBurn.Incendere	ToBurn.Incendere
ē - s ā - d j e - -	i n ʃ ε n d j a r e	ī - s ē - d j a r -
ī - s e n ɔ̃ i a r -	ī - s e n ɔ̃ i a r -	ī - s e n ɔ̃ i a r -

Appendix 2 - Prior Frequencies

j→r

Sand.Sabulum						
s	o:	v	-	j	ð	-
s	o	-	-	r	ə	-

j→r

Mouth.Gula			Sand.Sabulum				Sand.Sabulum			
g	ø:	j	-	s	o:	v	-	j	ð	-
g	u	r	ə	s	aj	β	-	r	u	-

j→g

Liver.Primary							Liver.Primary							ToSmell.Fragrare							ToSmell.Fragrare								
f	-	i	j	a:	t	-	f	-	i	j	a:	t	-	f	l	ə	j	r	a	-	f	l	ə	j	r	a	-		
f	-	e	g	a	t	o	f	-	i	g	ɐ	d	u	f	r	a:	g	r	a:	r	e	f	r	a	g	r	a	r	e

j→z

ToLieAsInABed.Iacere							ToLieAsInABed.Iacere						
j	a	-	k	e:	r	e	j	e	-	s	i	-	-
z	ə	-	ʃ	ɛa	-	-	z	ə	-	ʃ	ɛa	-	-

j→y

Liver.Primary								Liver.Primary							
f	-	i	j	a:	t	-	-	f	-	i	j	a:	t	-	-
-	-	i	y	a	ð	o	-	f	-	i	y	e	ð	u	-

j→ł

ToBurn.Flammare								Full.Primary					
f	j	a	m	m	a	r	e	p	j	ɛ:	n	o	-
f	ł	a	-	m	a	-	-	p	ł	ɛ	-	-	-

j→k^j

Eye.Primary							Eye.Primary							
-	œ	-	j	-	-	-	-	u:	-	j	-	-	-	-
-	o	-	k ^j	-	-	-	-	o	-	k ^j	-	-	-	-

s→i

YouPlural.Primary				Head.Primary							
v	ɔj	s	-	k	a	v	e	t	t	s	a
v	o:	i	-	k	a	p	i	-	t	i	a

s→u

Many.Primary	Many.Primary	Few.Primary	Few.Primary
m u l t u s	m u l t u s	p aʊ k u s	p aʊ k u s
m ð ʃ t u	m ð ʃ - t u	p o w k u	p o w k u

Appendix 2 - Prior Frequencies

s→l

ToPull.Pulsare	ToPull.Pulsare	ToPull.Pulsare	ToPull.Pulsare
p u: s i: - - -	p u: s i: - - -	p u: s i: - - -	p u: s i: - - -
p u l s a: r e	p u l s a r e	p u l s a: - -	p u l s a - -

s→r

BarkOfATree.Skorteā
- s k w a s - - -
- s k - ɣa r ts - ə

s→ʁ

BarkOfATree.Skorteā
- s k w a s - - -
e - k - o ʁ s - -

s→ʒ

ToWipe.Extergere
e - s t a r s i r -
ə - s t ə r ʒ i - -

s→dʒ

ToSuck.Primary	ToSuck.Primary	ToWipe.Extergere
s y s e - -	s y s i: - -	e - s t a r s i r -
s u dʒ e - -	s u dʒ e - -	- - ʃ t e r dʒ e - -

s→dz

Leaf.Frondea	Leaf.Frondea
f r ɔ̃ - s - ɐ	f r ɔ̃ - s - ɐ
f r o n dz - a	f r o n dz - a

s→ç

FatNoun.Crassia	FatNoun.Crassia
g ʁ ε s -	g r a s a
k ʁ ɔ: ç -	k ʁ ɔ: ç -

t→u

Many.Primary	Many.Primary
m ù ʃ - t u	m ù ʃ - t u
m u l t u s	m u l t u s

t→o

Many.Primary	Many.Primary	Many.Primary	Many.Primary
m ù ʃ - t u	m ù ʃ - t u	m ù ʃ - t u	m ù ʃ - t u
m u - ʃf o -	m o l t o -	m u - ʃf o -	m o l t o -

t→l

Appendix 2 - Prior Frequencies

Back.Spatula	Back.Spatula	Back.Spatula	Back.Spatula
- s p a t u l a	- s p a t u l a	- s p a t - - e	- s p a t - - e
e s p a l - d a	- s p a l - l a	e s p a l - d a	- s p a l - l a

t→r

ToSqueeze.Appetorare	ToSqueeze.Appetorare	ToSqueeze.Appetorare
a p p e k t o r a: r e	a p p e k t o r a: r e	a p p e k t o r a: r e
a - p - - r e t a r -	e - p i - r - t a r -	e - p i - r - t a r -

t→ʁ

Round.Primary	Round.Primary	Round.Primary
t a r ɔ n t - -	t a r ɔ n t - -	t a r ɔ n t - -
ʁ ð - - - - -	ʁ e d ð - d u -	ʁ i d ð - d u -

t→g

Lake.Primary	Lake.Primary	Lake.Primary	ToFloat.Primary
l a: t - -	l a: t - -	l a: t - -	f l u t t u a r e
l a g o -	l a g o -	l a g u -	f l u g t w a r -

t→b

Thin.Subtilis	Thin.Subtilis
s o t t i l e -	s o t t i l e -
s u b t i: l e m	s u b t s i r e -

t→ʎ

Back.Spatula	Back.Spatula
- s p a t u l a	- s p a t - - e
ə s p a ʎ - ʎ ə	ə s p a ʎ - ʎ ə

t→z

Foot.Primary
p - i: - t - -
p i e - z - -

t→y

Lake.Primary
l a: t - -
l a y u -

t→x

Old.Primary
w - e t u l u s
b j e x o - - -

t→kʲ

Old.Primary
w - e t u l u s
v - e kʲ - - - -

Appendix 2 - Prior Frequencies

$r \rightarrow a$

ToDig.Excavare	ToDig.Excavare
e s k a b a r - -	e s k a b a r - -
i - ʃ k ɐ v a ʁ -	i - ʃ k ɐ v a r -

$r \rightarrow a:$

ToDig.Excavare	ToDig.Excavare
e s k a b a r - -	e s k a b a r - -
e k s k a w a: r e	- - z ʃ a v a: - -

$r \rightarrow j$

Mouth.Gula	Sand.Sabulum	Sand.Sabulum
g u r ə	s aʃ β - r u -	s aʃ β - r u -
g ø: j -	s o: v - j ɔ̃ -	s o: v - j ɔ̃ -

$r \rightarrow s$

BarkOfATree.Skorte
- s k - ɔa r ts - ə
- s k w a s - - -

$r \rightarrow t$

ToSqueeze.Appektorare	ToSqueeze.Appektorare	ToSqueeze.Appektorare
a - p - - r e t a r -	ɐ - p i - r - t a r -	ɐ - p i - r - t a r -
a p p e k t o r a: r e	a p p e k t o r a: r e	a p p e k t o r a: r e

$r \rightarrow ʃ$

Sun.Primary
s ɔa r e -
s ɔ ʃ - -

$r \rightarrow ʃ$

ToScratch.Coctiare
k u s a r
k o s a ʃ

$k \rightarrow e$

ToRub.Primary	ToRub.Primary
f r i k a: r e	f r e k a - -
f ʁ ɛj e - - -	f ʁ ɛj e - - -

$k \rightarrow u$

Few.Primary	Few.Primary
p o w k u	p o w k u
p aʊ k u s	p aʊ k u s

$k \rightarrow o$

Appendix 2 - Prior Frequencies

Few.Primary	Few.Primary	Few.Primary	Few.Primary
p o w k u	p o w k u	p o w k u	p o w k u
p o k o -	p ɔ k o -	p o k o -	p ɔ k o -

k→n

Knee.Geniculum	Long.Longum	Long.Longum	Long.Longum
ɖ͡ - i n ɔ k k - j o -	l u n k - - -	l u n k - - -	l u n k - - -
ɖ͡ - e n u n k ^j - - -	l o - n g u s	l o - n g o -	l u - n g o -

k→ŋ

Long.Longum
l u n k - - -
ʌ o - ŋ - - -

k→l

Louse.Primary	Louse.Primary	Louse.Primary	Old.Primary
p - e d u - k l u s	p - i d ɔ k k j o -	p - ə d u - k j e -	v - ε k - k j o
p - e d o - l i - -	p - e d o - l i - -	p - e d o - l i - -	w - e t u l u s

k→ɖ͡

Blood.Primary	Leg.Gamba	Liver.Primary	Liver.Primary
s a ŋ k - - - -	k a m b ə	f - i: k a: t u m	f - i k a t - -
s i n ɖ͡ - e - - -	ɖ͡ ā - p -	f - e ɖ͡ ə - - -	f - e ɖ͡ ə - - -

k→h

Bird.Avicellum
- a w i - k - e l l u m
- - u: - - h - ε: - - -

k→g^w

Blood.Primary
s a ŋ k - - - -
s a n g ^w - i n e m

p→u

Stone.Lapidem	Stone.Lapidem
l a p i d e m	l a p i d e -
l a u - d e -	l a u - d e -

p→g

Water.Primary	Water.Primary	Water.Primary
a - p - ə	a - p - ə	a - p - ə
a - g w ɐ	a - g w ɐ	a - g - e

p→f

Appendix 2 - Prior Frequencies

Head.Primary					
k	a	p	i	-	t i a
c	a:	f	-	-	- -

Head.Primary					
k	a	p	-	-	- -
c	a:	f	-	-	- -

Head.Primary					
k	a	p	-	-	- -
c	a:	f	-	-	- -

p→tʃ

Wide.Amplum					
a	m	p	l	u	s
a	n	tʃ	-	o	-

Wide.Amplum					
ā	-	p	l	-	-
a	n	tʃ	-	o	-

Wide.Amplum					
a	m	p	j	o	-
a	n	tʃ	-	o	-

Wide.Amplum					
a	m	p	l	ə	-
a	n	tʃ	-	o	-

p→y

Water.Primary					
a	-	p	-	ə	
a	-	y	w	a	

Water.Primary					
a	-	p	-	ə	
aj	-	y	w	ə	

p→c

Night.Primary					
n	-	ɔa	p	t	e -
n	-	o	c	t	e m

p→k^w

Water.Primary					
a	-	p	-	ə	
a	-	k ^w	-	a	

Four.Primary					
p	-	a	-	t -	- r u
k ^w	-	a	t	t w	o r -

d→e

ToSqueeze.Primary					
e	-	-	p	ʁ	ē - d - ʁ -
-	s	k	-	r	e m e - - -

d→ɛ:

ToFall.Primary					
k	ə	d	ɛa	-	- -
tʃ	-	ɛ:	-	-	ʀ -

d→ɐ

ToFall.Primary					
k	ə	d	ɛa	-	- -
k	-	ɐ	-	i	r -

ToFall.Primary					
k	ə	d	ɛa	-	- -
k	-	ɐ	-	i	r -

d→ɛa

ToFall.Primary					
k	-	a	d	e	r e
k	ə	d	ɛa	-	- -

ToFall.Primary					
k	-	a	d	e	r e
k	ə	d	ɛa	-	- -

ToFall.Primary					
tʃ	j	a	d	e	- -
k	ə	d	ɛa	-	- -

d→r

Appendix 2 - Prior Frequencies

Round.Primary	Round.Primary	Round.Primary	Round.Primary
r e d o n d o - t a r ɔ n t - -	ʁ e d ɔ̃ - d u - t a r ɔ n t - -	ʁ i d ɔ̃ - d u - t a r ɔ n t - -	r ə d o - - - t a r ɔ n t - -

d→b

ToWalk.Ambitare	ToWalk.Ambitare	ToWalk.Ambitare	ToWalk.Ambitare
a n d - - a r - a m b i t a: r e	a n d - - a r e a m b i t a: r e	ẽ - d - - a ʁ - a m b i t a: r e	ẽ - d - - a r - a m b i t a: r e

d→ʃ

ToTurnIntransitive.Torquere	ToTurnIntransitive.Torquere
t ɔ ʁ d - ʁ - t ɔ r ʃ e r e	t ɔ ʁ d - ʁ - t ɔ a r ʃ e - -

d→ʎ

Back.Spatula	Back.Spatula	Back.Spatula
e s p a l - d a ə s p a ʎ - ʎ ə	i f p a d w - ɐ ə s p a ʎ - ʎ ə	i f p a d w - ɐ ə s p a ʎ - ʎ ə

d→θ

ToTurnIntransitive.Torquere
t ɔ ʁ d - ʁ - t o r θ e r -

d→x

Day.Diurnata
d i u r n a: t a x - o r n a d a

d→k^w

ToTurnIntransitive.Torquere
t ɔ ʁ d - ʁ - t o r k ^w e: r e

d→ʃ

ToEat.Manducare	ToEat.Manducare
m a n d u k a: r e m a ɲ ʃ - - a: - -	m a n d u k a r - m a ɲ ʃ - - a: - -

d→dz

Leaf.Frondea	Day.Diurnata
f r o n d e a f r o n dz - a	d i u r n a: t a dz - o r n a d e

ʁ→i

ToDrink.Primary
b ø: - - ʁ - - b - e v i - -

Appendix 2 - Prior Frequencies

$\mathfrak{K} \rightarrow \varepsilon$

Worm.Primary	Worm.Primary	Worm.Primary	Worm.Primary
v e \mathfrak{K} - - -	v e \mathfrak{K} - - -	v e \mathfrak{K} m i -	v e \mathfrak{K} m i -
v j ε R - -	v j ε r - -	v j ε R - -	v j ε r - -

$\mathfrak{K} \rightarrow \mathfrak{W}$

Rain.Primary	Sky.Primary	Sky.Primary
p l u: - \mathfrak{K} - -	s - i: \mathfrak{K} - -	s - i: \mathfrak{K} - -
p l u - w i a	s - ε w - -	s - ε w - -

$\mathfrak{K} \rightarrow \mathfrak{S}$

BarkOfATree.Skorte
e - k - o \mathfrak{K} s - -
- s k w a s - - -

$\mathfrak{K} \rightarrow \mathfrak{t}$

Round.Primary	Round.Primary	Round.Primary
\mathfrak{K} ð - - - - -	\mathfrak{K} e d ð - d u -	\mathfrak{K} i d ð - d u -
t a r \mathfrak{C} n t - -	t a r \mathfrak{C} n t - -	t a r \mathfrak{C} n t - -

$\mathfrak{K} \rightarrow \mathfrak{V}$

Rain.Primary	Rain.Primary
p l u: - \mathfrak{K} - -	p l u: - \mathfrak{K} - -
f - u - v - \mathfrak{e}	f - u - v - \mathfrak{e}

$\mathfrak{K} \rightarrow \mathfrak{b}$

Rain.Primary
p l u: - \mathfrak{K} - -
j - u - b j a

$\mathfrak{K} \rightarrow \mathfrak{Z}$

Rain.Primary
p l u: - \mathfrak{K} - -
p l u - \mathfrak{Z} - \mathfrak{a}

$\mathfrak{V} \rightarrow \mathfrak{e}$

ToDig.Excavare	ToDig.Excavare
- s k a v a r e -	- s k a v a r e -
i - f k \mathfrak{e} v a \mathfrak{K} -	i - f k \mathfrak{e} v a r -

$\mathfrak{V} \rightarrow \mathfrak{m}$

ToCount.Numerare	ToCount.Numerare	ToCount.Numerare	ToCount.Numerare
n o v - e r a r e	n o v - e r a r e	n o v - e r a r e	n o v - e r a r e
n u m - e r a: r e	n u m - e r a - -	n u m - e r a: - -	n u m - a r a - -

$\mathfrak{V} \rightarrow \mathfrak{r}$

Appendix 2 - Prior Frequencies

Fog.Nebula							Fog.Nebula								
n	-	ε	-	v	w	-	ε	n	-	ε	-	v	w	-	ε
n	e	g	u	r	ə	-	-	n	e	g	u	r	ə	-	-

v→ɜ

Rain.Primary							Rain.Primary						
ʃ	-	u	-	v	-	ε	ʃ	-	u	-	v	-	ε
p	l	u:	-	ɜ	-	-	p	l	u:	-	ɜ	-	-

v→z

ToHear.Primary							ToHear.Primary						
o	w	v	i	ɜ	-	-	o	w	v	i	r	-	-
aʊ	-	z	i	-	-	-	aʊ	-	z	i	-	-	-

g→i:

ToTie.Primary					ToTie.Primary					ToTie.Primary					ToTie.Primary														
l	i	g	a:	r	e					l	e	g	a	r	-					l	e	g	a	-	-				
l	ɔj	i:			-					l	ɔj	i:			-					l	ɔj	i:			-				

g→ɔ

Fog.Nebula							
n	e	g	u	r	ə	-	-
n	j	ɔ	-	-	-	l	y

g→ε

Fog.Nebula							Fog.Nebula							
n	e	g	u	r	ə	-	n	e	g	u	r	ə	-	-
n	-	ε	-	v	w	-	n	-	ε	-	v	w	-	ε

g→ɲ

ToFight.Primary							Big.Primary						
p	u	g	n	a:	r	e	m	a	g	n	u	s	-
p	u	ɲ	ɲ	a	r	e	m	a	ɲ	ɲ	o	-	-

g→ŋ

Long.Longum							Long.Longum							Long.Longum						
l	ð	-	g	u	-	-	l	ð	-	g	u	-	-	l	u	n	g	-	-	-
ʌ	o	-	ŋ	-	-	-	ʌ	o	-	ŋ	-	-	-	ʌ	o	-	ŋ	-	-	-

g→j

Liver.Primary							Liver.Primary							ToSmell.Fragrare							ToSmell.Fragrare												
f	-	e	g	a	t	o	-	f	-	i	g	ɛ	d	u	-	f	r	a:	g	r	a:	r	e	-	-	f	r	a	g	r	a	r	e
f	-	i	j	a:	t	-	-	f	-	i	j	a:	t	-	-	f	l	ə	j	r	a	-	-	-	-	f	l	ə	j	r	a	-	-

g→t

Appendix 2 - Prior Frequencies

Lake.Primary	Lake.Primary	Lake.Primary	ToFloat.Primary
l a g o -	l a g o -	l a g u -	f l u g t w a r -
l a: t - -	l a: t - -	l a: t - -	f l u t t u a r e

g→p

Water.Primary	Water.Primary	Water.Primary
a - g w ɐ	a - g w ɐ	a - g - e
a - p - ə	a - p - ə	a - p - ə

g→c

ToSuck.Primary	ToSuck.Primary	ToSuck.Primary	ToFloat.Primary
s u: g e r e	s u g a ɤ -	s u g a r -	f l u g t w a r -
c u c a: - -	c u c a: - -	c u c a: - -	f l u c t u a - -

g→x

ToTurnIntransitive.Gyrare
g y r a: r e
x i r a r -

g→k^w

Water.Primary	Water.Primary	Water.Primary
a - g w ɐ	a - g w ɐ	a - g - e
a - k ^w - a	a - k ^w - a	a - k ^w - a

g→j

Ice.Primary
g e l u:
j e l o

g→ʃ

Leg.Gamba	Leg.Gamba	Leg.Gamba	Leg.Gamba
g a m b a	g a m b a	g a m b a	g a m b ə
ʃ a m b e	ʃ a m b e	ʃ a m b e	ʃ a m b e

f→p

Head.Primary	Head.Primary	Head.Primary
c a: f - - - -	c a: f - - - -	c a: f - - - -
k a p i - t i a	k a p - - - -	k a p - - - -

f→β

Head.Primary	Head.Primary	New.Primary
c a: f - - - -	c a: f - - - -	ɲ - u: f - -
k a β e - θ - a	k ɐ β e - s - ɐ	n w e β o -

b→a

Appendix 2 - Prior Frequencies

ToDig.Excavare	ToDig.Excavare
e s k a b a r - -	e s k a b a r - -
e k s k a w a: r e	- - z ʃ a v a: - -

b→u

Fog.Nebula	ToStand.Levare	ToStand.Levare
n - e b b - j a	j e b a r -	ʌ ə b a - -
n e g u r ə - -	l - u a - -	l - u a - -

b→v

ToDig.Excavare	ToDig.Excavare
e s k a b a r - -	e s k a b a r - -
i - ʃ k v v a ʁ -	i - ʃ k v v a r -

b→n

Name.Nominem
n o m - b r e -
n o: m i n - e m

b→r

Fog.Nebula	Fog.Nebula	Fog.Nebula
n - e - b u l a	n j e - b - l a	n - e b b - j a
n e g u r ə - -	n e g u r ə - -	n e g u r ə - -

b→t

Thin.Subtilis	Thin.Subtilis
s u b t i: l e m	s u b t s i r e -
s o t t i l e -	s o t t i l e -

b→d

ToWalk.Ambitare	ToWalk.Ambitare	ToWalk.Ambitare	ToWalk.Ambitare
a m b i t a: r e	a m b i t a: r e	a m b i t a: r e	a m b i t a: r e
a n d - - a r e	a n d - - a r e	ẽ - d - - a ʁ -	ẽ - d - - a r e

b→ʁ

Rain.Primary
j - u - b j a
p l u: - ʁ - -

b→g^w

Tongue.Primary
l i m b - ə
l i n g ^w - a

ʃ→i:

Appendix 2 - Prior Frequencies

ToPull.Pulsare	ToPull.Pulsare
p u - ʃ a r -	p u - ʃ a r -
p u: s i: - - -	p u: s i: - - -

ʃ → ts

Belly.Pantex
p a ɲ ʃ - - ə -
p a n ts - - e -

ʃ → j

Rain.Primary	Rain.Primary
ʃ - u - v - ɐ	ʃ - u - v - ɐ
j - u - b j a	j - u - b j a

ʃ → h

ToKnow.Cognoscere	ToKnow.Cognoscere	ToKnow.Cognoscere
k o - n o ʃ ʃ e r e	k u - n ε ʃ - ə - -	k u - n ɔa ʃ t e - -
k i - n ɔ h - - -	k i - n ɔ h - - -	k i - n ɔ h - - -

ʃ → ʒ

ToDig.Cavare
ʃ ə v e - -
ʒ a v a: - -

ʃ → ʒ

FatNoun.Crassia	FatNoun.Crassia	FatNoun.Crassia
g r a ʃ ɐ	g r a ʃ ɐ	g r e ʃ -
k r ɔ: ʒ -	k r ɔ: ʒ -	k r ɔ: ʒ -

ʃf → p

Wide.Amplum	Wide.Amplum	Wide.Amplum	Wide.Amplum
a n ʃf - o -	a n ʃf - o -	a n ʃf - o -	a n ʃf - o -
a m p l u s	ã - p l - -	a m p j o -	a m p l ə -

ʃf → d

ToTurnIntransitive.Torquere	ToTurnIntransitive.Torquere
t ɔ r ʃf e r e	t ɔa r ʃf e - -
t ɔ ʁ d - ʁ -	t ɔ ʁ d - ʁ -

ʃf → ʒ

Near.Vicinus	Near.Vicinus	Near.Vicinus	Red.Rubeus
v - i ʃf i n o -	v - i ʃf i n - -	v - e ʃf i n - -	r ɔ - ʃf - - -
v - i ʒ ě - - -	v - i ʒ ě - - -	v - i ʒ ě - - -	ʁ u - ʒ - - -

ʃf → dʒ

Appendix 2 - Prior Frequencies

Red.Rubeus						
r	ɔ	-	ʃ	-	-	-
r	u	-	dʒ	e	-	-

ʃ → h

Bird.Avicellum											Bird.Avicellum											
-	-	u	-	t	ʃ	-	ɛ	l	l	o	-	-	u	-	-	ʃ	j	ɛ	-	l	-	-
-	-	u:	-	-	h	-	ɛ:	-	-	-	-	-	u:	-	-	h	-	ɛ:	-	-	-	-

ʒ → ɪ

ToBurn.Incendere									
i	n	ʃ	i	n	d	ʒ	e	-	-
i	-	s	e	n	dʒ	i	a	r	-

ʒ → w

Rain.Primary						
p	l	u	-	ʒ	-	ə
p	l	u	-	w	i	a

ʒ → s

ToWipe.Extergere									
ə	-	s	t	ə	r	ʒ	i	-	-
e	-	s	t	a	r	s	i	r	-

ʒ → ɣ

Rain.Primary						
p	l	u	-	ʒ	-	ə
p	l	u:	-	ɣ	-	-

ʒ → ʃ

Near.Vicinus							Near.Vicinus							Near.Vicinus							Red.Rubeus								
v	-	i	ʒ	ẽ	-	-	v	-	i	ʒ	ẽ	-	-	-	v	-	i	ʒ	ẽ	-	-	-	ɸ	u	-	ʒ	-	-	-
v	-	i	ʦ	i	n	o	v	-	i	ʦ	i	n	-	-	v	-	e	ʦ	i	n	-	-	r	ɔ	-	ʦ	-	-	-

ʒ → θ

Near.Vicinus						
v	-	i	ʒ	ẽ	-	-
b	-	e	θ	i	n	o

ʒ → dz

Day.Diurnata						
ʒ	-	u	ɣ	n	e	-
dz	-	o	r	n	a	d

dʒ → w

Rain.Primary							ToPull.Trahere						
p	j	o	d	dʒ	-	a	t	r	a	dʒ	e	-	-
p	l	u	-	w	i	a	t	r	ɛ	w	-	r	ə

Appendix 2 - Prior Frequencies

ɕ→s

ToSuck.Primary	ToSuck.Primary	ToWipe.Extergere
s u ɕ e - -	s u ɕ e - -	- - ʃ t e r ɕ e - -
s y s e - -	s y s i: - -	e - s t a r s i r -

ɕ→k

Blood.Primary	Leg.Gamba	Liver.Primary	Liver.Primary
s i n ɕ - e - - -	ɕ â - p -	f - e ɕ ə - - -	f - e ɕ ə - - -
s a ŋ k - - - -	k a m b ə	f - i: k a: t u m	f - i k a t - - -

ɕ→ʃ

Red.Rubeus
r u - ɕ e - -
r ɔ - ʃ - - -

ɕ→ð

ToSplit.Primary	Smooth.Nitidus	Smooth.Nitidus
ɕ i v i ɕ i ɤ -	n ε ɕ u - - -	n ε ɕ u - - -
d i v i ð i r -	n i ð i - o -	n i ð i - o -

ɕ→ɣ

Liver.Primary	Liver.Primary	ToSwim.Navigare	ToSwim.Navigare
f - e ɕ ə - - -	f - e ɕ ə - - -	n ε - - ɕ i: - -	n ε - - ɕ i: - -
- - i ɣ a ð o -	f - i ɣ ɐ ð u -	n a v i ɣ a ɤ -	n ɐ v i ɣ a r -

ɕ→c

ToSuck.Primary
s u ɕ e - -
c u c a: - -

ɕ→ʀ

ToFlow.Excurrere	ToFlow.Currere
- - s k u r ɕ e - -	k u r ɕ e - -
i - ʃ k u - ʀ e r -	k ɔ - ʀ i - -

ɕ→h

ToPull.Trahere
t r a ɕ e - -
t r a h e r e

ɕ→ʃ

Leg.Gamba	ToEat.Manducare
ɕ â - p -	m a n ɕ - - a r e
ʃ a m b e	m a ŋ ʃ - - a: - -

ɕ→g^w

Appendix 2 - Prior Frequencies

Blood.Primary									
s	i	n	ɔ̃	-	e	-	-	-	-
s	a	n	g ^w	-	i	n	e	m	

ɔ̃ → ɔ̃z

Day.Diurnata									
ɔ̃	-	o	r	n	a	t	a		
ɔ̃z	-	o	r	n	a	d	e		

ʌ → o

Eye.Primary									
-	o	-	-	-	ʌ	u	-		
-	o	-	x	-	o	-	-		

Eye.Primary									
-	o	-	-	-	ʌ	u	-		
-	o	-	x	-	o	-	-		

ʌ → t

Back.Spatula									
ə	s	p	a	ʌ	-	ʌ	ə		
-	s	p	a	t	u	l	a		

Back.Spatula									
ə	s	p	a	ʌ	-	ʌ	ə		
-	s	p	a	t	-	-	e		

ʌ → d

Back.Spatula									
ə	s	p	a	ʌ	-	ʌ	ə		
e	s	p	a	l	-	d	a		

Back.Spatula									
ə	s	p	a	ʌ	-	ʌ	ə		
i	f	p	a	d	w	-	e		

Back.Spatula									
ə	s	p	a	ʌ	-	ʌ	ə		
i	f	p	a	d	w	-	e		

ʌ → ɪ

Full.Primary									
-	ʌ	e	n	o	-				
p	ɪ	ε	-	-	-				

ʌ → j

Hair.Capillus									
k	ə	b	ε	-	ʌ	-	-		
k	a	b	e	-	j	o	-		

Neck.Primary									
k	-	ɔ̃	-	ʌ	-	-			
k	w	e	-	j	o	-			

ToStand.Levare									
ʌ	ə	b	a	-	-				
j	e	b	a	r	-				

There.Primary									
ə	-	ʌ	a	-					
a	-	j	a	-					

z → r

ToPull.Trahere									
t	r	a	z	e	-	-			
t	r	a	r	-	r	e			

ToPull.Trahere									
t	r	ɐ	z	e	r	-			
t	r	a	r	-	r	e			

z → w

ToPull.Trahere									
t	r	a	z	e	-	-			
t	r	ε	w	-	r	ə			

ToPull.Trahere									
t	r	ɐ	z	e	r	-			
t	r	ε	w	-	r	ə			

z → j

Appendix 2 - Prior Frequencies

ToLieAsInABed.Iacere										ToLieAsInABed.Iacere									
z	ə	-	ʃ	ɛ	a	-	-	-	-	z	ə	-	ʃ	ɛ	a	-	-	-	-
j	a	-	k	e	r	e	-	-	-	j	e	-	s	i	-	-	-	-	-

z→t

Foot.Primary									
p	i	e	-	z	-	-	-	-	-
p	-	i	-	t	-	-	-	-	-

z→v

ToHear.Primary										ToHear.Primary									
aʊ	-	z	i	-	-	-	-	-	-	aʊ	-	z	i	-	-	-	-	-	-
o	w	v	i	ɹ	-	-	-	-	-	o	w	v	i	r	-	-	-	-	-

z→j

ToLieAsInABed.Iacere									
z	ə	-	ʃ	ɛ	a	-	-	-	-
j	a	-	θ	e	r	-	-	-	-

z→h

Bird.Avicellum										ToPull.Trahere										ToPull.Trahere									
w	a	-	-	-	z	-	o	-	-	t	r	a	z	e	-	-	-	-	-	t	r	ɐ	z	e	r	-	-	-	-
-	-	u	-	-	h	-	ɛ	-	-	t	r	a	h	e	r	e	-	-	-	t	r	a	h	e	r	e	-	-	-

z→dz

Leaf.Frondea									
f	r	u	n	z	-	ə	-	-	-
f	r	o	n	dz	-	a	-	-	-

ð→ɖ

ToSplit.Primary										Smooth.Nitidus										Smooth.Nitidus									
d	i	v	i	ð	i	r	-	-	-	n	i	ð	i	-	o	-	-	-	-	n	i	ð	i	-	o	-	-	-	-
ɖ	i	v	i	ɖ	i	ɹ	-	-	-	n	ɛ	ɖ	u	-	-	-	-	-	-	n	ɛ	ɖ	u	-	-	-	-	-	-

θ→d

ToTurnIntransitive.Torquere									
t	o	r	θ	e	r	-	-	-	-
t	ɔ	ɹ	d	-	ɹ	-	-	-	-

θ→ʒ

Near.Vicinus									
b	-	e	θ	i	n	o	-	-	-
v	-	i	ʒ	ē	-	-	-	-	-

θ→c

ToThrow.Lanceare									
l	a	n	θ	-	a	r	-	-	-
l	a	n	c	-	i	-	-	-	-

Appendix 2 - Prior Frequencies

$\theta \rightarrow ts$

Belly.Pantex	ToStand.Altiare	Cold.Recens
p a n θ - - - a	- a l θ a r -	r e θ j e n t e -
p a n t s - - e -	- a l t s a r e	r e t s - i n t - -

$\theta \rightarrow k^w$

ToTurnIntransitive.Torquere	Five.Primary
t o r θ e r -	θ i n k - o
t o r k^w e: r e	k^w i: n k^w - e

$\theta \rightarrow h$

ToKnow.Cognoscere
k o - n o θ - e r -
k i - n ɔ h - - - -

$y \rightarrow i:$

ToTie.Primary
Λ i y a - -
l ɔ j i: - - -

$y \rightarrow j$

Liver.Primary	Liver.Primary
- - i y a ð o -	f - i y v ð u -
f - i j a: t - -	f - i j a: t - -

$y \rightarrow t$

Lake.Primary
l a y u -
l a: t - -

$y \rightarrow p$

Water.Primary	Water.Primary
a - y w a	a j - y w ə
a - p - ə	a - p - ə

$y \rightarrow \text{ɖ}$

Liver.Primary	Liver.Primary	ToSwim.Navigare	ToSwim.Navigare
- - i y a ð o -	f - i y v ð u -	n a v i y a ɹ -	n v v i y a r -
f - e ɖ ə - - -	f - e ɖ ə - - -	n ɛ - - ɖ i: - -	n ɛ - - ɖ i: - -

$y \rightarrow k^w$

Water.Primary	Water.Primary
a - y w a	a j - y w ə
a - k^w - a	a - k^w - a

$c \rightarrow p$

Appendix 2 - Prior Frequencies

Night.Primary					
n	-	o	c	t	e m
n	-	o	a	p	t e -

c→g

ToSuck.Primary						ToSuck.Primary						ToSuck.Primary						ToFloat.Primary								
c	u	c	a:	-	-	c	u	c	a:	-	-	c	u	c	a:	-	-	f	l	u	c	t	u	a	-	-
s	u:	g	e	r	e	s	u	g	a	ɜ	-	s	u	g	a	r	-	f	l	u	g	t	w	a	r	-

c→ɖʒ

ToSuck.Primary					
c	u	c	a:	-	-
s	u	ɖʒ	e	-	-

c→θ

ToThrow.Lanceare					
l	a	n	c	-	i: - -
l	a	n	θ	-	a r -

R→i:

ToHear.Primary						ToHear.Primary					
õ	-	-	R	-	-	õ	-	-	R	-	-
au	-	d	i:	r	e	u	l	d	i:	-	-

R→ɖʒ

ToFlow.Excurrere										ToFlow.Currere									
i	-	ɟ	k	u	-	R	e	r	-	k	ɔ	-	R	i	-	-			
-	-	s	k	u	r	ɖʒ	e	-	-	k	u	r	ɖʒ	e	-	-			

x→i:

ToPull.Pulsare					
p	u	-	x	a	r -
p	u:	s	i:	-	- -

x→l

Woman.Mulier						Louse.Primary						Leaf.Primary						ToCut.Taliare													
m	u	x	-	e	r	-	p	j	o	-	-	x	-	o	-	-	o	x	-	a	t	a	-	x	-	a	r	-			
m	u	l	i	e	r	e	m	p	-	e	d	o	-	l	i	-	-	f	-	o	l	i	a	t	a	-	l	i	a	r	e

x→t

Old.Primary					
b	j	e	x	o	- - -
w	-	e	t	u	l u s

x→d

Day.Diurnata					
x	-	o	r	n	a d a
d	i	u	r	n	a: t a

Appendix 2 - Prior Frequencies

$x \rightarrow g$

ToTurnIntransitive.Gyrare						
x	i	r	a	r	-	
g	y	r	a:	r	e	

$x \rightarrow k^j$

Eye.Primary							Knee.Genuculum							Old.Primary											
-	o	-	x	-	o	-	-	-	i	n	o	-	x	o	-	-	-	b	j	e	x	o	-	-	-
-	o	-	k ^j	-	-	-	-	ɔ̃	-	e	n	u	n	k ^j	-	-	-	v	-	e	k ^j	-	-	-	-

$x \rightarrow dz$

Day.Diurnata						
x	-	o	r	n	a	d a
dz	-	o	r	n	a	d e

$ts \rightarrow f$

Belly.Pantex						
p	a	n	ts	-	-	e -
p	a	ɲ	f	-	-	ə -

$ts \rightarrow \theta$

Belly.Pantex							ToStand.Altiare							Cold.Recens									
p	a	n	ts	-	-	e	-	-	a	l	ts	a	r	e	r	e	ts	-	i	n	t	-	-
p	a	n	θ	-	-	a	-	-	a	l	θ	a	r	-	r	e	θ	j	e	n	t	e	-

$ɬ \rightarrow r$

Ice.Primary				
ʒ	ɛ	ɬ	-	
ɔ̃	e	r	-	

$ɬ \rightarrow j$

ToBurn.Flammare							Full.Primary						
f	ɬ	a	-	m	a	- -	p	ɬ	ɛ	-	-	-	
f	j	a	m	m	a	r e	p	j	ɛ:	n	o	-	

$ɬ \rightarrow r$

Sun.Primary				
s	ɔ̃	ɬ	-	-
s	ɔ̃a	r	e	-

$ɬ \rightarrow \lambda$

Full.Primary					
p	ɬ	ɛ	-	-	-
-	λ	e	n	o	-

$k^w \rightarrow p$

Appendix 2 - Prior Frequencies

Water.Primary	Four.Primary
a - k ^w - a	k ^w - a t t w o r -
a - p - ə	p - a - t - - r u

k^w→d

ToTurnIntransitive.Torquere
t o r k ^w e: r e
t ɔ ɤ d - ɤ -

k^w→g

Water.Primary	Water.Primary	Water.Primary
a - k ^w - a	a - k ^w - a	a - k ^w - a
a - g w ɐ	a - g w ɐ	a - g - e

k^w→θ

ToTurnIntransitive.Torquere	Five.Primary
t o r k ^w e: r e	k ^w i: n k ^w - e
t o r θ e r -	θ i n k - o

k^w→ɣ

Water.Primary	Water.Primary
a - k ^w - a	a - k ^w - a
a - ɣ w a	aj - ɣ w ə

j→g

Ice.Primary
j e l o
g e l u:

j→f

Rain.Primary	Rain.Primary
j - u - b j a	j - u - b j a
f - u - v - ɐ	f - u - v - ɐ

j→ʎ

Hair.Capillus	Neck.Primary	ToStand.Levare	There.Primary
k a b e - j o -	k w e - j o -	j e b a r -	a - j a -
k ə b ɛ - ʎ - -	k - ɔ - ʎ - -	ʎ ə b a - -	ə - ʎ a -

j→z

ToLieAsInABed.Iacere
j a - θ e r -
z ə - ʃ ɛ a - -

β→f

Appendix 2 - Prior Frequencies

Head.Primary	Head.Primary	New.Primary
k a β e - θ - a	k ɐ β e - s - ɐ	n w e β o -
c a: f - - - -	c a: f - - - -	ɲ - u: f - -

h→r

ToPull.Trahere
t r a h e r e
t r a r - r e

h→w

ToPull.Trahere
t r a h e r e
t r ɛ w - r ə

h→k

Bird.Avicellum
- - u: - - h - ɛ: - - -
- a w i - k - e l l u m

h→f

ToKnow.Cognoscere	ToKnow.Cognoscere	ToKnow.Cognoscere
k i - n ɔ h - - - -	k i - n ɔ h - - - -	k i - n ɔ h - - - -
k o - n o f f e r e	k u - n ɛ f - ə - -	k u - n ɔ a f t e - -

h→tʃ

Bird.Avicellum	Bird.Avicellum
- - u: - - h - ɛ: - - -	- - u: - - h - ɛ: - - -
- - u - t tʃ - ɛ l l o -	- - u - - tʃ j ɛ - l - -

h→dʒ

ToPull.Trahere
t r a h e r e
t r a dʒ e - -

h→z

Bird.Avicellum	ToPull.Trahere	ToPull.Trahere
- - u: - - h - ɛ: - - -	t r a h e r e	t r a h e r e
w a - - - z - o - - -	t r a z e - -	t r ɐ z e r -

h→θ

ToKnow.Cognoscere
k i - n ɔ h - - - -
k o - n o θ - e r -

ʏ→u:

Fruit.Primary	Rain.Primary
f ʏ ʏ i - - -	p l ʏ - - i -
f r u: - k t u s	p l u: - ʏ - -

Appendix 2 - Prior Frequencies

ɥ→o

Rain.Primary						Rain.Primary					
p	l	ɥ	-	-	i	-	p	l	ɥ	-	i
p	j	o	d	ɖ	-	a	p	l	o	-	j
											e

ɥ→y

Fruit.Primary					
f	ɤ	ɥ	i	-	-
f	ɤ	y	-	-	-

ɥ→qa

Rain.Primary					
p	l	ɥ	-	-	i
p	l	qa	-	-	j
					e

ɥ→w

ToThink.Primary									ToKill.Tutari									ToFloat.Primary								
k	ɥ	-	-	i	d	e	-	-	t	-	ɥ	-	e	-	-	f	l	y	k	t	ɥ	e	-	-		
k	w	-	-	i	d	a	r	-	t	u	w	-	e	-	-	f	l	u	g	t	w	a	r	-		

j→a

ToDig.Excavare									ToDig.Excavare								
-	-	z	ʃ	a	v	a:	-	-	-	-	z	ʃ	a	v	a:	-	-
e	s	k	a	b	a	r	-	-	-	s	k	a	v	a	r	e	-

j→d

ToEat.Manducare								ToEat.Manducare									
m	a	ɲ	ʃ	-	-	a:	-	-	m	a	ɲ	ʃ	-	-	a:	-	-
m	a	n	d	u	k	a:	r	e	m	a	n	d	u	k	a	r	-

j→g

Leg.Gamba					Leg.Gamba					Leg.Gamba					Leg.Gamba				
ʃ	a	m	b	e	ʃ	a	m	b	e	ʃ	a	m	b	e	ʃ	a	m	b	e
g	a	m	b	a	g	a	m	b	a	g	a	m	b	a	g	a	m	b	ə

j→f

ToDig.Cavare			
ʃ	a	v	a:
ʃ	ə	v	e

j→ɖ

Leg.Gamba					ToEat.Manducare								
ʃ	a	m	b	e	m	a	ɲ	ʃ	-	-	a:	-	-
ɖ	ã	-	p	-	m	a	n	ɖ	-	-	a	r	e

k'→j

Appendix 2 - Prior Frequencies

Eye.Primary						Eye.Primary					
-	o	-	k ^l	-	-	-	-	o	-	k ^l	-
-	œ	-	j	-	-	-	-	u:	-	j	-

k^l→t

Old.Primary					
v	-	e	k ^l	-	-
w	-	e	t	u	l

k^l→x

Eye.Primary						Knee.Genuculum						Old.Primary												
-	o	-	k ^l	-	-	-	ɕ	-	e	n	u	n	k ^l	-	-	-	v	-	e	k ^l	-	-	-	
-	o	-	x	-	o	-	-	-	i	n	o	-	x	o	-	-	b	j	e	x	o	-	-	-

g^w→k

Blood.Primary					
s	a	n	g ^w	-	i
s	a	ŋ	k	-	-

g^w→b

Tongue.Primary					
l	i	n	g ^w	-	a
l	i	m	b	-	ə

g^w→ɕ

Blood.Primary					
s	a	n	g ^w	-	i
s	i	n	ɕ	-	e

ɕ→s

Leaf.Frondea						Leaf.Frondea					
f	r	o	n	ɕ	-	a	f	r	o	n	ɕ
f	r	õ	-	s	-	ə	f	r	õ	-	s

ɕ→d

Leaf.Frondea						Day.Diurnata					
f	r	o	n	ɕ	-	a	ɕ	-	o	r	n
f	r	o	n	d	e	a	d	i	u	r	n

ɕ→ʒ

Day.Diurnata					
ɕ	-	o	r	n	a
ʒ	-	u	ʁ	n	e

ɕ→ɕ

Day.Diurnata					
ɕ	-	o	r	n	a
ɕ	-	o	r	n	a

Appendix 2 - Prior Frequencies

dz→z

Leaf.Frondea					
f	r	o	n	dz	- a
f	r	u	n	z	- ə

dz→x

Day.Diurnata					
dz	-	o	r	n	a d e
x	-	o	r	n	a d a

ç→s

FatNoun.Crassia					FatNoun.Crassia				
k	ʀ	ɔ:	ç	-	k	ʀ	ɔ:	ç	-
g	ʁ	ɛ	s	-	g	r	a	s	a

ç→f

FatNoun.Crassia					FatNoun.Crassia					FatNoun.Crassia				
k	ʀ	ɔ:	ç	-	k	ʀ	ɔ:	ç	-	k	ʀ	ɔ:	ç	-
g	r	a	f	ɐ	g	r	a	f	ɐ	g	r	e	f	-

ɭ→r

ToScratch.Coctiare				
k	o	s	a	ɭ
k	u	s	a	r

Appendix 3 - Symbols

Ψ	Phylogeny The (possibly unknown) relationship between entities resulting from an evolutionary tree
τ	Tree topology Information on the relationships of the languages
μ	Substitution rate the rate at which the language changes
N	Sampled languages The number of languages in a sample
v	Expected events The expected number of evolutionary events that occurred between two languages
t	Past times Times of branch events
\mathcal{B}	Possible rooted trees
A	Segmental alignment Constructed by combining the word segment information for the languages of interest with information on the homology of the segments
S	Segmental information Information on the homology of the segments
s	Segment Linguistic segment
s_i	ith segment
H	Homology map The map describing the alignment of the segments
Q	Rate Matrix
β	Rate matrix scaling factor Scales the rate matrix such that the average rate of segmental substitution is one
P	Probability The probability the process ends in certain state
P	Marginal Likelihood
π	Equilibrium distribution

Appendix 3 - Symbols

λ	Rate of segment insertion
μ	Rate of segment deletion
n	Word length Number of segments in a word
r	Rate parameter
θ	Rate parameters Parameters associated with the rate matrix
θ'	Proposal New value proposal
q	Proposal probability Probability of new proposal
u	Random number
R	Acceptance probability Probability of accepting a proposed value
\mathcal{M}	Model Mathematical model for linguistic parameters
BF	Bayes Factor A numerical factor related to the quality of the model fit
X	Unknown

Appendix 4 - Words containing each segment

ẽj	0250, 0303, 006A, 0303	53
mẽj mẽj nuvej keližẽj kěj něj ẽj		
ẽw̃	0250, 0303, 0077, 0303	63
kẽw̃ kẽw̃ grẽw̃ grẽw̃ mẽw̃ mẽw̃ nẽw̃ nẽw̃		
au	0061, 0075, 032F	78
kaũda kaũde kaũde aũdire aũzi paũkus		
ea	0065, 032F, 0061	80
t̃eas̃t̃a st̃ea t̃f̃eat̃f̃a ñea g̃eats̃a b̃ea ved̃ea z̃aŋf̃ea ŋed̃ea k̃ad̃ea		
oa	006F, 032F, 0061	40
d̃oam̃ña f̃oaje sk̃oarts̃a f̃loare c̃oad̃a s̃qare p̃loaje ñoapte ṽoame kuñoaf̃te t̃oart̃f̃e c̃oase apr̃oape		
ẽj	1EBD, 006A, 0303	46
nenẽj nenẽj nuvej kalizẽj kěj něj ẽj		
ẽu	1EBD, 0075, 032F	90
l̃eu		
aj	0061, 006A	55
paj paj ɔraj ajyɔw̃ sajβru sajβru tene:braj kajkia kajlum nwaje traj majjo:rem duaj		
a:	0061, 02D0	52
ma:trem ma:dre pa:dre nema:l pa:lus pa:l gra:num ra:di:kem ra:di:ke ra:di:ki:na gra:men ca:r kwa:r ca:f na:sus na:so na:s na:ris ma:no a:la intera:nea fi:ka:tum fija:t ri:pa:ria la:t ma:r sa:lem sa:l ka:li:ginem tene:bra:s fu:ma:ta fuma:ta stra:ta monta:nea diurna:ta manduka:re maŋja: morsika:re cuca: spuda: suffla:re sofla: respi:ra:re respira: ko:gita:re pen:sa:re pen:sa: odo:ra:re fra:gra:re trima: neka:re tu:ta:ri maktare mat̃fa: pugna:re kapti:re cat̃fa: pulsa:re pulsa: seka:re sea: kurta:re ekskurta:re skurta: ta:lia:re ta:lla:re taja: se:para:re separa: jugula:re jugula:re ra:dere rada: rasa: kawa:re java: ekskawa:re zjava: nata:re nada: naviga:re naviga: wola:re zvola: camina: ma:r̃f̃i: ambita:re sedenta:re senta: sta:re sta: leva:re leva: al̃fa: torna:re torna: gyra:re đjira: đjira: da: dona:re dona: appektora:re frika:re frikta:re lawa:re lava: eksu:ka:re suja: limpida:re tira:re tira: pulsa:re pulsa: jaktare lankea:re lañfa: e:runka:re liga:re lea: apta:re komputa:re konta: numera:re numera: kanta:re canta: joka:re đjuja: flu:ktua:re fluita:re ko:la:re gela:re glakia:re gla:fa: inglakia:re infla:re enfla: konfla:re zglonfa: krema:re flamma:re flama: flagra:re ustula:re la:tus de:lika:tus ma:l sua:wem illa:k		
ej	0065, 006A	58
pejfi cavej okej seju pejtu sejfu areje fejraḵ zejtar zejtar kejm̃aḵ istrejtu đjirejtu trej		
e:	0065, 02D0	26
fe:mina be:stia se:men pe:l ste:lla pje:tra pje:re hare:na nu:be:s tene:braj tene:bra:s nef die:s morde:re ri:de:re wide:re save: pen:sa:re ole:re time:re se:para:re jake:re đza:ŋfe:re sede:re tork̃e:re tene:re e:runka:re intume:skere kreske:re arde:re de:lika:tus du:ze: fret̃ ple:nus di:re:ktus korre:ktus tre:s 'tre:		
i:	0069, 02D0	38
mui:r marit̃us marit̃ ra:di:kem ra:di:ke radi:ŋfe ra:di:ki:na wi:wenda pi: pit̃ fi:ka:tum ri:wus ri:pa:ria rivi:ḵ pi:ḵ ka:li:ginem si:ḵ t̃fi:l ni:f kammi:num ma:ŋi: sysi: respi:ra:re ri:de:re ri:de:re ki:ḵ vi:ḵ aũdire uldi: ski:re senti:re sinti: dormi:re durmi: wi:were muri: okki:dere t̃f̃esi: teji: di:widere parti:re parti: nađji: ma:r̃f̃i: weni:re vi:ŋi: ho:si: strengi: pu:si: lanci: loji: di:kere di:ḵ di: skori: subti:lem suti:l fri:gidus vi: di:re:ktus wi:ki:nus k̃w̃i:nk̃w̃e ekkumhi:k ibi: ki: si:k ki:		

Appendix 4 - Words containing each segment

ĵ	006A, 0303	93
mũĵtu mũĵtu		
k^j	006B, 02B2	81
ok ^j dženunk ^j vek ^j		
k^w	006B, 02B7	87
ak ^w a tork ^w e:re k ^w attwor k ^w i:nk ^w e k ^w is k ^w em k ^w id k ^w ando: k ^w o:modo k ^w od		
oj	006F, 006A	18
noj voj noĵti noĵti froj rojb dojs doĵf doj doj		
O:	006F, 02D0	2
ego: no:s no:i no: wo:s voi vo: spo:s o:b flo:rem fjo:re flo:r o:wum o:rikla so:lem so:vĵō no:men no:me no:minem vo:mi kogno:skere ko:gita:re odo:ra:re ko:nsuere ekspo:nere ko:la:re to:tus po:k majjo:rem duo:s k ^w ando: k ^w o:modo no:n		
u:	0075, 02D0	22
tu: u:hē: fru:ktus fu:nem u: u:f kornu: plu:ma u:j ku:ʒ ku:r lu:na plu:ʒ flu:men nu:be:s nu:bilus nu:l fu:ma:ta gelu: fu:mus fu:k dʒu: dʒu: su:gere tu:ta:ri tu:rne eksu:ka:re pu:si lu:dere flu:ktua:re ku:ʒ minu:tus minu:t du:ʒe: su:ti ju:f aku:tus retu:sus u:midus u:dus u:nus ʃfemu:t		
Ō:	00F5, 02D0	76
sō:g		
Ø:	00F8, 02D0	72
flø:ʒ gø:j fø:t stø:l fø: bø:ʒ savø:ʒ kø:z stxø: drø: dø: trø:		
œ	0153, 0303	94
okaœ œ		
ej	0250, 006A	59
peĵfi oreĵle seju peĵtu seĵfu e:reje fejrar keĵmare iftreĵtu feju feju vejlu direĵtu virmejlu		
ẽ	0250, 0303	43
ifẽĵfi ifẽti grẽme sēgi sēgi pẽse pẽse itrẽne mōtẽne mēʒaʒ mēʒar ēdaʒ ēdar lēsa lēsar kētar kētar tētu tētu grēdʒi grēdi ěfu ěfu kwēdu kwēdu		
ã	0251, 0303	41
āfā efā seʒpā sēmās vjād sā dā ʒāb vātʒ pās ātʒaj vā sādʒ ā ā lāg māʒe pāse sātʒ fādʒ etādʒ lāse fāte ʃfāte āfle ēsādʒe gʒā gʒā āpl kā kōmā dā		
oj	0254, 006A	16
nojs vojs foj loji:		
ɔ:	0254, 02D0	73
ʃɔ: kɔ:ʒ ɔ:m pɔ:rti hɔ:si bɔ:ʒno mɔ:		

Appendix 4 - Words containing each segment

õ	0254, 0303	89
mõ nõ kõspyē nōbke lō nõ nō		
ej	025B, 006A	86
sōlej fēje vēmej		
ɛ:	025B, 02D0	56
pɛ:r u:hɛ: pjɛ:de ɛ:w tɛ:ʁ tɛ:nebre tɛ:nebre tʃɛ:ʁ pjɛ:no kwe:		
ẽ	025B, 0303	62
fjẽ vêt fãmẽ pẽse sêti sêde fêt pwêdɤ epwêdɤ etwêdɤ êsādje plẽ vwazẽ lwêtẽ kômẽ		
g^w	0261, 02B7	74
sang ^w inem ling ^w a		
ij	0268, 006A	66
kijne		
iw	0268, 0077	70
griw		
ẽ:	1EBD, 02D0	88
sẽ:d		
a	0061	28
fe:mina fam embra femmina fembra domina dam doja dōnna infantem infante fante sponsa esposa spōza ispoza maritus māxi mariđo marito maridu marit mari:t mađre marə mari patre pađre parə pari tata tata tata tata tatə animalia omaj alimaņa nōmaje be:stia biſſa pwasō awem abe avi avi aw awikellum wazo passerem paxaro passero paseru paseru pasəre kanem kan kane ka can sarpint farpe arborem aɤbɤ aɤɤol albero aɤvori arvuri abrə arbul arbore silwa selba selva sēwva selba pal palo palo paw paw pal par grano grano gra gran folia oxa fōłła frondea frondza raiθ ɤais ɤadi radi:tʃe ra:di:ki:na ɤasin kortikea korteθa kortettʃa skortea skōrtsa skwas skwartse herba jerba erba jarbe jarbə ɤramen grama gram rista resta kwan kotenna pja karnem karne karne kaɤni karni karn karne wi:wenda bibjenda vivanda vivēda sang ^w inem sangre sangwe saɤ saɤk adepem adipe grasa grafe grafe kaɤda kola koda kua plu:ma pluma pjuma penna peɤa penna panə pwal kapillus kabejo kapello kabelu tʃivja cavej kapitia kaβeθa kavettsa kabese kap kap testa testa o:rikla orexa orekkja naso nas nas nariθ nariſe naris bukka boka bokka gula gola gola ungula uɤa ungja gamba gamba gamba kambə ʃambe gambə perna pjerna manum mano maɤ a:la ala ala a a alə ale pantikem panθa panſa paɤſə pantse intera:nea ōtɤaj entraɤa ənɤraɤə spatula espalda spalla ispadwe ispadwe əspałłə spal spale spate san anima alma alma awmɛ almɛ anime iɤađo fegato fikat lu:na luna luna ste:lla etwal estreja stella ak ^w a aɤwa akkwa agwe agwe age apə pluwia jubja pjodɤa ri:paria lakum lak lago lago lagu layu łak lak lak mare mar mare maɤ mar mar mare sal sale saw sal sal sare saksum sasso petra pjeđra pje:tra pjatrə lapidem laude lapide hare:nə arena arejə arinə sabulum sabl savalɔn sabula sabbja pɔlvar terra tjera terra tsarə nuvola kalina kalidɤine kalizēj nebula njebla nebbja tinjeblas fu:ma:ta fumata fuma:ta fumase fumase fumate kajkia glas gjattʃa glas glattʃe θeniθa wia vwa bia via stra:ta estrada strada istrade iftrađe kammi:num kamino kammino kamjɤu monta:nea mōtaɤ montajə montajɤa muntajə mōtaɤ mōtəne dia zɤɤna zɤɤna diurna:ta xornada đɤornata đɤornade annum apɔ anno aɤ aɤ an ling ^w a lenggwa lingwa manduka:re mandukar mandɤare mēzəɤ mēzəɤ məɤza maɤi: maɤja: minka mwardi moskar morsikare musəga musəgar musəɤa murseka sugaɤ sugar skujpa esputar sputare soffjare sufla respirar respirare ɤespirar ɤifpirar ɤəspira vwaɤ sapere savwaɤ saber sapere sabɤ savə:ʁ save: kwidar kođitare kuɤitaɤ kuɤitar kujda kuđeta pensar pensare pēsəɤ pēsar pənsa pəsa ulura odorare fragrare ʃejraɤ ʃejrar fləjra tremare dwaɤmi via nəga neka anegar annegare makta:re mate matar mataɤ mətəɤ mətə matʃa: puɤar puɤɤare puɤa battuere batɤ batir battere bates batrə bate bati bate kaptia:re fase kaθar kattʃare kasəɤ kəsar kəsa całja: puxar pulsare puɤaɤ puɤar pulsa segar segare segaɤ siɤar səɤa kortar koɤtaɤ kurtar skortare skurta taxar tałłə:re tałəɤ tɤłəɤ taja: taja parti:re paɤtiɤ partir partire paɤtʃiɤ parti: se:para:re separar separare separəɤ sipərar səpəra		

Appendix 4 - Words containing each segment

gordo lurdus lerdo lordo lerdo lerdo menudo miudu de:lika:tus du:ze: delyaðo delikato dewgadu deŷaðu dəlikat kalidus kaldo kaldo kawdu kaldu kald fri:gidus freddo putridus putrido putred podri sordidus sordido sordidu sordidu di:rektus dɛwa dritto direjtu drɛt drø: drɛt drept rotundus redondo ritondo rədōdu ɛdōdu rədo rətund nitidus neted u:midus umido umid umed u:dus ud adpropre dekstrum djestro dastro dəstru dɛʃtru destrə djestri wiridem berde verde verdi verdi verde duo:s dø dos dojs dojʃ dos dø: doj doj duaj due dowə duas duəs duɛʃ kʷid kʷando: kwando kwando kwēdu kwēdu kwand kind kʷo:modo ad deintus dā dins kʷod

e 0065 **0**

ego: ew ew jew usted vose vɔse voste embra femmina femɛv femjɛ fembra femeje mulierem muxer moʎle muʎɛv muʎɛr muʎɛ mujere dɔne infantem infante fante nenɛj nenɛj nen epuz esposa epu esposo matrem mɛʁ mɑðre ma:dre mɛʁ patre pɛʁ paðre pa:dre nema:l nɔmaje piskem peθ peʃfe peʃ peʃte awem abe awikellum useʎ passerem passero pasəre kanem kane kijne pɛdukʎus pedoli pɛdukje serpentem sɛʁpɔ sɛʁpjente serpente sɛʁpɛʃi sɛʁpen ʃaʁpe wɛrmem vɛʁ bɛrme verme vɛʁmi vermi vjerme arborem albero arbore selba selva selba sɛlve se:men seme sementis simjente semente semɛʃi sɔmen sɛmentʃɛ fwee fɔaje frondea ra:di:kem ra:di:ke radi:ʃɛ kortikem kortiʃɛ kortikea korteθa kortettʃa skortea ekɔʁs skwartse flo:rem fjo:re floare herba jɛrba ɛʁvɛ erbə jarbe gramen fu:nem fune funje restem ʁɛʃti kotenna pellem pjel pelle peli peʎ pjele karnem karne karne karne wi:wenda bibjenda sangʷinem sangre sangwe sindʒe weso adɛpɛm adipe gɛʃ webo kwerno penna peɲa penna penɛ penɛ pen pene pelo pelo pelu kabejo kapello kabelu kɛβɛlu kaβeθa kavettʃa kabesɛ kɛβesɛ testa testə teste orexa orekkja oreʎv orele ureke ne ne nariʃɛ gɔle dentem djente dente dinte ungje pedem pje pje pjɛ:de piez ʃambe perna pjerna petiolus peθiolo genikulum zueʎu dʒenoli dʒenunkʲ el el ale wentrem bjentre bentə vintre pantikem pantse pintɛʃɛ intera:nea entɾaɲa kwejo dwes epol espalda spate seno seno sen pektus peʃfo pjept kwɔre anime fegato feɟə so:lem sole sqare soreli lune etwal estreja stella istrelɛ ɪʃtreʎv stɛle age ploje plɔaje flu:men fjume ɛivjɛʁ mare mare mɛʁ mare sa:lem sale se sare petra pjɛʁ pjɛðra pedrɛ peðrə pjɛ:re lapidem laude lapide arena ərenə pulwerem polvere pulbere terra tɛʁ tjera tɛʁv tjere nube nube ka:li:ginem kalidʒine nebula njebla nebbja newlə negurə tene:braj tɛ:nebre tene:bra:s tenebɛʁ tinjeblas tɛ:nebre tanebrəs fyne fumate θjelo ʃɛr wentum bjento ben niwem njebe neve new gelu: jelo dʒɛr glaʃɛ fwego kinerem ʃɛnere θeniθa ʃɛnuʃə estrada montem monte monte monta:nea mɔntaɲɛ noctem noʃɛ nɔtte nɔapte zuʁne dʒornade no:men no:me nume no:minem nombre lengwa bibere beber bere bebeʁ biʃɛr bevi komedere komer kome kumer manduka:re mɔʒɛ mandʒare morde:re mɔrdɛr mɔrdere mɔʁdɛʁ mɔrdɛr morsika:re morsikare murseka su:gere syse suɟɛ konspuere kɔʃpye eskupir sputere esputar sputare womere vɔmere vɔame suffla:re sufle soffjare sufle respi:ra:re respirar respirare ʁɛspiraʁ respira: ri:de:re reir ri:dere ride wide:re ber vedere vɛʁ ver vedɛa aʎdi:re udire ski:re sapere saber sapere sabɛʁ sɛbɛr kogno:skere konɔθɛr konɔʃfere koɲesɛʁ kupiser kunʒaʃte ko:ɡita:re kuɟide kodʒitare kuɟɛta pe:nsa:re pɔse pensar pensare pɛse peɲsa: senti:re sentir sentire olɛ:re olɛr olire odo:ra:re odorare fra:ɡra:re flɛʁɛ fragrare time:re temer temere temɛʁ timer temə temi teme tremere tremɛr tremare tremɛʁ trimer dormi:re dormire wi:were vivere viveʁ viver morire mɔʁɛʁ muxɛr neka:re nwaje neka anegar annegare tɲɛ tuwe makta:re mate okki:dere utʃidɛre utʃide pugna:re puɲɲare battuere battere bateʁ bɛtɛr bate bate kaptia:re ʃase katʃfare pulsa:re puse pulsare seka:re sje segar segare segaʁ sea: kurtare ekskurtare ekuʁte skortare ta:lia:re toje taʎʎa:re di:widere dividere divide skindere sɛde ʃindere findere ender fɛndere fɛdɛʁ fɛdɛr parti:re parti:re se:para:re sɔvɛ separar separare separaʁ separa: separa pungere punɟɛre punɟɛ jugula:re zyɡyle jugula:re ra:dere raer radere ʁaɛʁ ʁɛɛr rade ʁaʒɛ rasare fodere kawa:re ʃəve kavare ekskawa:re eskabar skavare nata:re nɔtɔare naviga:re naze nabegar navigare wola:re vole volare vɔle zvolare ʃəmine kamminare ʃimine maʃɛ mergere mɛʁɟɛre mɛʁɟɛ amb ita:re andare weni:re benir venire veni ekstendere etɔdɛʁ ekstender estɛndere istɛdɛʁ ɪʃtɛdɛr əstɛndrə ekstinde jake:re zɛzɪʁ jaθɛr dʒaʃɛ:re zɔʁɛʁ zɛzɛr dʒɛre jesi sedɛ:re ser sedere sɛʁ ser ʃɛdɛa sedenta:re sentar senta: sta:re estar stare leva:re ləvɛ jɛbar levare levaʁ ləvɛ leva: ose altsare torna:re tuʁne tornare tu:rne gyra:re zɪʁɛ dʒɪra:re viʁɛ virare viʁɛ torkʷ:re tɔrθɛr tɔʁʃɛre turser turser tɔaʁʃɛ kadere kaer kadere ʃjade tɔbɛ tume dare dare dona:re dɔne donare dine tene:re tener tenere tɛʁ tɛr tɛine segurar eksprimere ɛʁɛdɛʁ ekspremir spɛmɛre ɪʃpɛmɛʁ ɪʃpɛmɛr əspɛmɔ esprimi skɛɛme serrere serar sɛʁa serare sɛʁɛ θɛraʁ serrare sɛrɛ appektora:re apɛtar stringere etɛdɛʁ estɛɲɪʁ strindʒɛre stringe strindʒɛ frika:re fɛʁɛ fɛɡaʁ fɛɡare frea freka frika:re fɛɔte frettare fɛɔte lawa:re lave lavare lave tergere terɟɛre ekstergere estarsir ʃterɟɛ eksu:ka:re esɟijɛ affugare suwe limpida:re tira:re tiʁɛ tirare tire pulsa:re puse pulsare trahere trarre traze trɛzɛr traɟɛ impingere impindʒɛre impindʒɛ jakta:re zɔte ɛʃaʁ dʒɛttare dʒɛte lankea:re lɔse lanʃare e:runka:re arrontʃare liga:re lie legar legare lea: lega apta:re ko:nsuere koser kufjɛ kuzer kuzer ɔqase komputa:re kɔte kontare kɔte numera:re nɔbɛv noverare numera numera di:kere deθir dire dizer dizer ziʃɛ ekspɔ:nere sporre spune kanta:re ʃɔte kantare ʃjɔte lu:dere joka:re zve dʒokare dʒuwe flu:ktua:re flyktɲɛ fluttuare fluita:re fluitare fluere flye fluire ko:la:re kule kolare kɔle ekskurrere eskurir skorrɛr ɪʃkɔʁɛʁ ɪʃkɔʁɛʁ skurɟɛ kurrere kɔrɛr korrere kɔʁɛʁ kuzɛr kurɟɛ gela:re zɔle elar dʒɛlare dʒale glakia:re glase gjatʃjare inglakia:re ingetsa infla:re ɔfle enfiare ɛʃfle enfla: konfla:re gɔʃfle gonʃjare gɔʃfle intume:skere entumeθɛr ɪtumesɛr ɪtumesɛr kre:ske:re kreθɛr kreʃfɛrɛ kɛɛsɛʁ kɛʃɛʃɛr kɛʃɛ kɛʃte krema:re kɛʁme kemar kremare kɛjmare kejmɛʁ flamma:re flame ʃjammare arde:re arder ardere aʁdɛʁ ɛrdɛr arde flagra:re flagɛʁ flagrare inkendɛrɛ ɛsɔdʒɛ ɛnθɛndɛr ɪntʃɛndʒar ɪsɛndʒɪaʁ ɔnsɛndrə ɪntʃindʒɛ ustula:re ustolare alter grandem grande majjɔ:rem mare le epe espeso spesso ɪʃpesu grabe greve grew grew lerdo lerdo pekeɲo pekenu pikenu brewis brebe brew bɛʃɛ etɛʁwa estɛrfo stretto menudo delyaðo

delikato dewgadu subti:lem sottile subtsire freddo rekentem reθjente refente kesēſji kesēſji retsint refje leno nweſo wetulus
 bjexo veſu veſ vjei vek' bweno putred putrem poðre drept redondo redōdu hebetem ebete retu:sus retuzo sua:wem soave
 netto neted umed seko sekko seku seku sek korretto proizme adpropre aprape pressus pxe beθino vefjin θerka dekstrum
 djestro destrā djestri sinjestro sinestro sinestri vermikulus bermexo vermialloo vēmxeſu rubeus rubeo rubeo ruðe wiridem
 ver berde verde verdi verdi verde galben amarellus krokeus krofje duo tres tre tres tres tref k'w:ink'e fjinawe ekkumhi:k
 k'w'em kjen tſine ke ke tſe tſe kome tſemut: nek ne en deintus avek et e e e e ke ke ke

fe:mi:na fam femmina femev femjv fembra fœm femine femeje infantem āfā infante fante ifēſi ifēti efā fru:ktus fœpi fruto
frutto frutē frutē frujt fry frut frukt folia fœj fōlā fōlv fōlv fūlā fōj fwee fōaje frondea frondza frōsē frōsē frunzā
flo:rem flōxv flōr fjo:re flōx flōr flō flōxv flō:r flōare fu:nem fune funje œf u:f ca:f fi:ka:tum fwa fegato figeðu fiyeðu fedzā
fō:t fja:t fikat flu:men fjume flumi flumi flum fu:ma:ta fyme fumata fuma:ta fumasē fumasē fumate ni:f ne:f fu:mus fumo
fumu fumu fum fum fum fokum fō fwego fwōko fogu foyu fōk fō: fu:k fok suffla:re sufle soffjare sufle sofla: suflla
fra:gra:re flēxē fragrare flējra findere fādū fēndere fēdex fēder fēndrā fēt fodere fwīx frika:re fæje fregar fregare frēga froj
frea freka iffrijar iffrijar frikra:re fšote frotar frettare fšote frisar frēsa flu:ktua:re flyktqē flugtwar fluttuare flutuāx flutuar
fluktua fluktua fluita:re fluitare fluere flye fluir fluire flwīx flwīr flui infla:re dſle enfiare imfla ēfle enfla: umfla konfla:re
gōfle gonfjare gōfle zgloſfa: flamma:re flame fjammare flama flama: flagra:re flagxē flagrar flagrare flagxāx flagrar gwi:fef
bœf bœf fri:qidus fšwa frio freddo friu friu frēt frwē frēt pu:f

pehō u:hē: herba hare:na kinoh hō:si: trahere hebetem ekkumhi:k abhoc

[illegible]

Appendix 4 - Words containing each segment

j 006A 12
jo jew femje femeje mujere omaj nɔmajɛ utʃjel ʃjɛ pjoxo pidɔkkjo pju pɔdukje serpjente sjɛrpɛ vjer vjer vjerme frujt simjente fɔɛj fɔaje fjo:re jep jarbe jarbɔ funje pjel pja pjel pjele vjɔd bibjenda pjuma ʃʃivja orekkja ɔɛj ɔkkjo uɔj gɔ:ɔ djente ungja ungje pje pje pje:de pjerna pitʃjor ɟinɔkkjo bjentre ɔtɔaj pjept fija:t jubja pjodɔɟa ploje plɔaje fjume ɔivjɛɔ pjeɔ pjeɔra pje:tra pje:re pjatrɔ so:vjɔ sabbja tjera tjere njɔly njebla nebbja tinjeblas sjel ʃjelo bjento njebe gjaɟʃa ɟurno skujpa soffjare vjodi kujda flɔjra sje tɔje teji: taja: tɔja jugula:re jugula:re jake:re jesi ʃjade tinji esujje suja: limpjat jakta:re joka:re ɟuja: gjaɟʃjare gonfjare ʃjammare ɛsɔɟje intʃendjare isɛɟar majjo:rem ampjo gɔijɛf reʃjente pje:no vjɔ bjexo vekkjo vjei djestro djestri sinjestro rubjo rɔbbjo kjen

k 006B 50
sokius piskem awikellum kanem kan kane kɛw̃ kɛw̃ ka kijne peduklus pidɔkkjo pɔdukje fru:ktus frukt ra:di:kem ra:di:ke ra:di:ki:na kortikem kortiʃe kɔɟʃisi kɔrtisi kortikea korteθa kortetʃa kɔɟʃise kurtise skortea ekɔs skɔrtsa ɔskɔrsɔ skwas skwartse skɔartsɔ kwan kotenna kodʃie kodie konnɔ karnem karne karne karni karni karn karn karne saɟk kɔ:ɟ kornu: kɔɔn kwerno kɔrno kɔɔnu kornu kɔɔn kwen kwa:r korn kaɟda kɔ kola koda kaɟde kaɟde kua kɔw kɔde kapillus kabejo kapello kabelu kɔβelu kɔβɛl kapitia kɔβeθa kavetssa kabese kɔβese kap kap o:rikla orekkja ureke okulus ɔkkjo bukka boka bokka boke boke bokɔ bok bukɔ kambɔ pɛkol genikulum ɟinɔkkjo pantikem kollum ku kwejo kollo kɔlu kɔlu kɔl kwel pektus kor kɔɛ kwɔre kɔɛ kor kor ku:ɔ ku:r fi:ka:tum fikat solikulus akkwa lakum lak ʃak lak lak saksum ka:li:ginem kalina kalidʒine kalizɛj kɛlizɛj kajkia kajlum fokum fwɔko fɔk fu:k fok kinerem kammi:num kamino kammimo kamjnu kemjnu kɔmi komedere komer kome kumer manduka:re mandukar minka morsika:re moskar morsikare murseka konspuere kɔspye kuspiɔ kuspɔr eskupɔr ɔskupi skujpa ski:re kogno:skere kɔnetɔ konɔθer konoffere kopeseɔ kupiser kunɛʃ kinɔh koposi kunɔaʃte ko:gita:re kɔide kwidar kodʒitare kuzitaɔ kuzitar kujda kuɟeta kɔɛdɔ neka:re neka makta:re okki:dere ɔksɔɔ uksi kaptia:re kaθar kattjare kasɔ kɛsar kɔsa seka:re kurta:re kortar kɔtaɔ kurtar ekskurta:re ekurte skortare skurta: skurta skindere raskar ɔaʃkaɔ ɔɟkar rɔska kosaɟ kusar kawa:re kabar kavare kɔvaɔ kɔvar kɔba ekskawa:re eskabar skavare iʃkɔvaɔ iʃkɔvar kaminar kamminare kemjɔa kemjɔar kɔmina ekstendere ekstender ekstinde jake:re kadere kaer kadere kɛir kɛir kawrɔ kɔɟa eksprimere ekspremir skreme appektora:re frika:re freka frika:re ekstergere eksu:ka:re uska jakta:re lankea:re e:runka:re arankar aruɟka ko:nsuere kudɔ koser kufjire kuzer kuzer kuzi kɔ:ɔ kuzi komputa:re kɔte kontar kontare kɔtar kɔtar kumta kɔte konta: di:kere ekspɔ:nere kanta:re kantar kantare kɛtar kɛtar kanta kinta joka:re ɟokare zuka flu:ktua:re flyktɟe fluktua ko:lare kule kolar kolare koaɔ kuar kuɔa kɔle ekskurrere eskurɔr skorrere iʃkɔvɛ iʃkureɔ ɔskorɔ skori: skurɟe kurrere kuɔiɔ korer korreɔ kɔvɛ kɔvɛ korɔ kɔri kori kurɟe glakia:re inglakia:re konfla:re intume:skere kre:skere kɔwatɔ kreθer kreffere kreseɔ kriʃser krefɔ krepte kremare krame kemar kremare kejmare kejmɔre krɔma inkendere okɛ alkuno paɟkus poko pɔko powku powku pɔk pɔ:k lunk ʃark lark krassus pekeɟo pekenu pikenu pikkolo kurtus kuɔ korto korto kuɔtu kurtu kurt ku:ɔ kurt striktus de:lika:tus delikato dɔlikat kalidus kaldo kaldo kawdu kaldu kaɟ kald rekentem vekkjo sporko ispuɔku iʃpuɔku spɔrk spurk di:re:ktus aku:tus sikkus sek seko sekko seku seku sek sek sek korre:ktus korretto proksimus wi:ki:nus kirka θerka dekstrum vermikulus krokeus krotʃeo grɔk katɔ kwatro kwattro kwatru kwatru kwatrɔ kwat kwatri sɛk θinko ʃɟɟkwe siku siku siɟk sɛk 'ʃɟɟk ekkumhi:k aki kwi aki ɛki aki illa:k ki ki ki ki: kwi kjen kɛj kɛj kwa ke ke ki ki kɛ kwe: kɔ kwando kwando kwɛdu kwɛdu kwan kwand kwant kind kɔmɔ komo kome komu komu kɔm kɔmɛ kum nek kum kon kon kɔ kɔ ku avek sik kɔ ke ke ki ki kɔ ki: ke kɔ

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mulierem animalia alimajna nema:l awikellum utʃfello utʃjel peduklus pedoli arʃol albero arbul silwa selba selva selba selve pa:lus pal palo palo pal pa:l folia ɔɛl flo:rem flɔɛɔ flɔr flɔɔ flɔr flɔr flɔ:ɔ flɔ:r flɔare pellem pjel pelle peli peli pjel pjele kola plu:ma plym pluma plomɔ plɔm plume pilus pwal pelo pelo flu pilu pɛl pɛl pɛl kapillus kapello kabelu kɔβelu o:rikla orele okulus voli gula goel gola gola golɔ gole ungula ɔgl ɔɟgule petiolus pɛθiolo pitʃɔlo pɛkol genikulum ɟenoli a:la el ala ala alɔ el ale kollum kollo kɔlu kɔlu kwel spatula epol espalda spalla spal spale alma alma almɔ so:lem sol sole sɔl sɔlɔ solikulus sɔlej soreli lu:na lyn luna luna lue lue lɔn lune lunɔ steilla etwal stella istrelɔ iʃtrele ɔstɛl stɔ:l stele pluwia plɔi pluɟɔ plu:ɔ ploje plɔaje flu:men flumi flumi flum lakum lak lago lago lagu layu lak la:t lak sa:lem sel sal sale sal sal sa:l lapidem laude lapide sabulum sabl savalɔn sabula pulwerem polvere pɔlvar pulbere pulwus polbo pols nu:bilus nublo nuvola nuvol nu:l ka:li:ginem kalina kalidʒine kalizɛj kɛlizɛj nebula njɔly njebla newlɔ tinjeblas kajlum sjel ʃjelo ʃjel sel ʃi:l gelu: ɟel jelo ɟelo glas glas gles glaʃe lingʷa lɔɟ lengwa lingwa ligwɛ ligwɛ lɛu 'lɛnge limbɔ sufflare sufle sufle sofia: sufli uldi: olerɔ oler oler olire ulura flɛɛ flɔjra pulsa:re pulsare pulsa: pulsa ta:lia:re jugula:re zyɟyle jugulare wola:re vole bolar volare bula vɔle zvolare zvola: levare lɔve levare levɔɔ livar lɔve leva: lua alθar altsare ɔlsa alʃa: lawa:re lave laʃar lavare levar levar lave lava: la limpida:re limpjat lipar lipar pulsa:re pulsare pulsa: pulsa lankea:re lɔse lanθar lanʃare lɛsa lɛsar lanci: lanʃa: ligare lie legar legare lɔji: lea: lega lu:dere ludir flu:ktua:re flyktɟe flugtwar fluttuare flutuɔɔ flutuar fluktua fluctua fluita:re fluitare fluere flye fluir fluire flwiɔ flwir flui ko:lare kule kolar kolare kɔle gela:re

Appendix 4 - Words containing each segment

zale elar d̥elare zilar zilar z̥ala d̥zale glakia:re glase gl̥sa glat̥ʃa: inglakia:re infla:re āfle imfla ēfle enfla: umfla konfla:re gōfle gōfle zgloŋʃa: flamma:re flame flama: flagra:re flag̥e flagrar flagrare flagv̥aʃ flagrar ustula:re ustolare multus molto molc molc mult alguno alkuno əlgu alter altro altr̥a altr̥i alt alius longus l̥s longo lungo l̥ogu l̥ogu l̥o lunk lung largus l̥aʒ l̥aʒo largo l̥aʒgu largu lark larg lat̥us le lato lato latu latu lat̥ amplus āpl̥ ampl̥a lurdus l̥uʃ l̥erdo lordo l̥erdo l̥erdo pitulus pikkolo pit̥ʃul̥ de:lika:tus d̥el̥aʒ̥o delikato d̥elikat̥ subt̥i:lem sutil sottile suptil suti:l kalidus kaldo kaldo kaldu calt kald ple:nus pl̥ē pl̥ē plen plin wetulus malus mal malo malo mal ma:l lwēt̥ē lontano lontan vermikulus galbinus galben amarellus ɐmarelu ɐm̥er̥elu albus albo albo alvu alb alb illak la la la la la la

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27

f̥e:mina fam embra femmina fem̥v̥ fem̥ʃe fembra f̥oem femine femeje mulierem muxer moʎʎe muʎeʃ muʎer muʎe muir mujere domina dam d̥oem d̥oam̥n̥a infantem mari:tus maʃi mariðo marito maridu m̥eriðu marit mari:t m̥arit ma:trem meʃ madre ma:dre m̥ēʃ m̥ēʃ mar̥a meʃ mari animalia omaj alimaʃa nema:l n̥omaje piskem awem awikellum passerem kanem serpentem wermem berme verme v̥eʃmi v̥ermi v̥erm v̥jerme arborem semen seme sementis s̥am̥s̥ simjente semente sem̥t̥ʃi sim̥t̥i s̥amen sim̥s̥ sement̥ʃe s̥amin̥t̥ʃe gra:num ra:di:kem kortikem flo:rem gra:men g̥v̥amen grama gr̥m̥e gr̥m̥e gram fu:nem restem pellem karnem sangʷinem ossum adepem o:wum plu:ma plym pluma pjuma plom̥a pl̥om̥ plume dentem pedem gamba gamba kamb̥a jambe gamb̥a genikulum manum m̥ē mano ma:no m̥ēw̥ m̥ēw̥ m̥ē maʃ min̥a wentrem pantikem kollum dorsum anima ʊm alma alma awm̥e alm̥e ɔ:m anime inim̥a fi:ka:tum so:lem flu:men f̥jume flumi flumi flum lakum mare meʃ mar mare maʃ mar mar meʃ mar mare sa:lem saksum lapidem sabulum pulwerem ka:li:ginem fu:ma:ta fyme fumata fuma:ta fumas̥e fumas̥e fumate kajlum wentum niwem fu:m̥us umo fumo fumu fumu fum fum fum fokum kinerem kammi:num f̥am̥ē kamino kammino kam̥iʃu k̥em̥iʃu k̥ami montem m̥ō monte monte m̥ōʃi m̥ōti mun m̥ont munte monta:nea m̥ōtaʃ montaj̥a montaj̥a m̥ōt̥ēʃe m̥ōt̥ēʃe muntaj̥a m̥ōtaʃ m̥ontaj̥e noctem diurnum annum no:men no:me nomi nomi n̥om n̥ume no:minem nombre limb̥a komedere komer kome kumer manduka:re m̥āʒe mandukar mand̥ʒare m̥ēʒaʃ m̥ēʒar m̥aʃʒa maʃi: maʃja: m̥inka morde:re moʃd̥aʃ moʃd̥er m̥ordere moʃd̥eʃ m̥urðer m̥wardi morsika:re moskar morsikare mus̥əʒa mus̥əʒar mus̥əʒa murseka womere vom̥iʃ v̥om̥ere vo:mi v̥oame sim̥si time:re temer temere tem̥eʃ timer tem̥a temi teme tremere trem̥er tremare trem̥eʃ trimer trima: dormi:re d̥oʃm̥iʃ dormir dormire d̥oʃm̥iʃ durmir durmi dw̥aʃmi durmi: dormi muʃiʃ morir morire moʃeʃ muʃer muri m̥oʃi muri: muri makta:re mate matar mataʃ m̥etar m̥eta maʃja: f̥amine kaminar kamminare k̥em̥iʃaʃ k̥em̥iʃar k̥amina f̥imine camina: maʃʃe ma:ʃʃi: mergere m̥er̥ʒere m̥er̥ʒe ambita:re tumb̥ar tumba tume eksprimere eks̥pre̥mir sp̥rem̥ere iʃp̥r̥am̥eʃ iʃp̥r̥amer əsp̥rem̥a es̥prim̥i skreme limpida:re lim̥p̥jaʃ impingere impin̥ʒere əmp̥eʃn̥a impin̥ʒe komputa:re kumta numera:re numera numera: numara imfla umfla intume:skere entumeðer itumeser itumeser krem̥a:re k̥v̥ame kemar kremare k̥ejmare k̥ejmaʃe kr̥ama flamma:re flame f̥jammare flama flama: omnis multus mu muʃo molto m̥ūʃtu m̥ūʃtu mol molc mult magnus maʃo maʃiʃo grandem majjo:rem mare amplus amp̥jo strimt minu:tus m̥ony menudo minuto miudu miudu m̥onut minu: minu:t m̥arunt subt̥i:lem rekentem malus mal malo malo maw maw mal m̥o: ma:l putrem hebetem sua:wem u:midus umido umid umed proksimus proximo pr̥oʃs̥simo prosimu prosimu proizme prosim dekstrum sinistrum vermikulus v̥eʃm̥eʃ bermexo verm̥iʎʎo v̥eʃm̥eʃlu v̥ir̥m̥eʃlu b̥erm̥eʃlu wiridem amarellus amar̥iʒo ɐmarelu ɐm̥er̥elu ekkumhi:k kʷem kʷo:modo k̥om̥ā komo kome komu komu k̥om̥ k̥om̥ē f̥emu:t kum kum

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13

no:s nu nos no:i noʃs n̥oʃ no no: noʃ f̥e:mina femmina femine domina d̥onna done done d̥on̥a done d̥oam̥n̥a infantem infante fante niʃo nino nen̥ē nen̥ē nen spon̥sa spon̥sus animalia nema:l n̥omaje kanem kan kane can kijne serpentem serpjente serpente s̥arpen sarpint̥ se:men sementis simjente semente s̥amen sement̥ʃe s̥amin̥t̥ʃe gra:num g̥v̥en grano grano grin gran frondea frond̥a frun̥z̥a ra:di:ki:na ʃasin ʃes̥en r̥ad̥əʃi:na gra:men g̥v̥amen fu:nem fune funje kwan kotenna kon̥n̥a karnem karne karne k̥aʃni karni karn karne wi:wenda bibjenda vivanda sangʷinem sangwe sin̥ʒe kornu: k̥oʃn̥ k̥werno k̥orno k̥oʃnu kornu k̥orn̥ kwen korn penna pen penna pen̥e pen̥e pen pen̥e pan̥a na:sus ne naso na:so nas ne na:s nas narið nariʃe naris n̥er̥iʃ na:ʃis dentem d̥jente d̥ente dint dunt ungula ungja ungje perna pjerna perno p̥eʃn̥e p̥eʃne p̥eʃn̥a genikulum z̥ənu inoxo d̥ʒin̥k̥k̥jo z̥ənoʎ d̥ʒino d̥ʒenoli d̥ʒenul̥ manum mano ma:no min̥a wentrem bjentre bent̥r̥a vintri vintre pantikem pan̥θa pan̥ʃa pantse pint̥ʃe intera:nea entr̥aj̥a ən̥tr̥aj̥a sinus seno seno sen san anima anime inim̥a lu:na lyn luna luna ʎun̥a l̥on lune lun̥a flu:men hare:n̥a arena əren̥a arin̥a savalon nu:be:s ny nube nube nuv̥ēʃ nuv̥ēʃ nu:bilus nublo nuvola nuvol nu:l nor ka:li:ginem kalina kalid̥ʒine nebula n̥j̥oʎ n̥jebla nebbja n̥ev̥w̥e n̥ev̥w̥e newl̥a negur̥a tene:braj t̥e:nebre tene:bra:s teneb̥ʃ tin̥jeblas t̥e:nebre t̥onebr̥as wentum bjento vento ben 'vint vint niwem n̥jebe neve n̥eʃi n̥eʃi new ni:f ne:f n̥eʒa kinerem f̥jenere sendr̥a θeniθa f̥jinize f̥ʃenuʃa kammi:num kamino kammino montem monte monte mun m̥ont munte monta:nea montaj̥a montaj̥a muntaj̥a m̥ontaj̥e noctem n̥ʒi noʃʃe n̥otte noʃti noʃti nit nyt n̥oʒapte diurnum d̥jurno d̥ʒorno z̥oʃn̥ z̥oʃna z̥əʃna diurna:ta z̥uʃne xornada d̥ʒornata d̥ʒornade annuo enu enu an no:men n̥ō no:me nomi nomi n̥om n̥ō n̥oʒ n̥ume no:minem nombre lingʷa lingwa 'l̥enge manduka:re mandukar mand̥ʒare m̥inka konspuere kogno:skere k̥on̥et̥ʃ k̥onoðer konoffere kun̥eʃa kin̥oʃ kun̥oʃʃte pe:nsa:re pensar pensare p̥ensa senti:re sentir sentire s̥anti sinti: neka:re nwaje n̥əʒa neka anegar annegare pugna:re skindere findere findere ender f̥end̥ere f̥endr̥a pungere pun̥ʒere

Appendix 4 - Words containing each segment

pundže nata:re nadar nwotare nadaš nēðar nēda nada: naviga:re naze nabegar navigare naviyaš neviyar nēbēga nēdži: naviga: naviga fəmine kaminar kamminare kəmina tʃimine camina: andar andare weni:re vənix benir venire bəni vini veni ekstendere ekstender estendere əstendrə ekstinde sedenta:re sentar senta: torna:re tuʒne tornar tornare toʒnaš turnar turna tu:rne torna: turna dona:re dōne donar donare duna dine dona: tene:re tənix tener tenere tēni tini tinji tsine stringere strindžere stringe strengi: strindže impingere impindžere impindže lankea:re lanθar lanʃare lənsa lanci: lanʃa: e:runka:re arankar arronʃare kənsuere kontar kontare konta: numera:re nōbʁe noverare numera numera: numara ekspo:nere spune kanta:re kantar kantare kənta canta: kinta inglakia:re ingetsa infla:re inʃar enfiare enfla: konfla:re gonʃare intume:skere entumeθer inkendere enθender inʃendjare iʃendʒar ənsendrə inʃindže omnis tantus tanto tanto tant tanc alguno alkuno magnus grandem grande grande gran grant longus longo lungo lunk lung anʃo 'pittinus pittfino pekenu pikenu putsin angustus angosto angusto minu:tus mənɥ menudo minuto mənut minu minu:t mərunt rekentem reθjente reʃente reʃint ple:nus ləno pje:no plən plin nowus nuvo nweβo nōvo novu novu nōw nōvə now bonus bweno bwə:no bən bən bun rotundus redondo ritondo tarənt rətund nitidus nət niðio netto nēdʒu nēdʒu nət nət neted wi:ki:nus beθino viʃino viʃin veʃin lontano lunta lontan sinistrum sənəstɪ sinjestro sinistro galbinus ʒon dʒen galben u:nus uno uno un unu kʷi:nkʷe θinko

tʃintʃ kjen tʃine kʷando: kwando kwando kwan kwand kwant kind no:n nō no non nēw nēw no nō no nu nek ni ni ne nēj nēj ni nē in en in ən in deintus dins kon kon

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6

jo io jo nos no bos vof vos vose voste mołʎe domina doja done done niʒo nino sponsa esposa ispoza iʃpozə mariðo marito sponsus esposo spəzo ispozu iʃpozu sokius səʃfo sots omaj wazo utʃello paxaro passero pjoxo pidəkkjo piołʎu piołʎu poł pedoli arborem arβol albero əvori arbore palo palo fruto frutto grano grano folia oxa fołʎe fołʎe frondea frondʒa kortikem kortiʃe kortikea korteθa kortetʃa koʃʃiʃe skortea ekoxs flor floʒ flor kotenna koʒjə kodie konnə po ossum weso əsso osu osu os webo wəvo ovu ovu ow kornu: kwerno kərno koʒnu kornu korn kola koda plomə pelo pelo kabəjo kapello oʒej orexa orekkja orełʎe orejʎe orele okulus oxo əkkjo ołʎu ołʎu voli ok' naso na:so boka bokka boke boke bokə gola gola golə perno petiolus peθiolo pittʃolo pekol pitʃor inoxo dʒinəkkjo ʒənoł dʒenoli mano ma:no kollum kwejo kollo dorsum do dəsso dos do epol seno seno peʃo petto kor kor iyaðo fegato sol sole solikulus soreli o pjodʒa ploje rio rio lago lago sasso sorə polvere polbo pols nublo nuvola nuvol nor θjelo ʃelo bjento vento jelo dʒelo umo fumo fokum fwego fwəko fogu fəyʎu fok kamino kammino montem monte monte monta:nea montəna montəʃna noctem noʃe dʒurno dʒorno ʒorn xornada dʒornata dʒornade əno anno nomi nomi nombre komedere komer kome mordre: moʒdɪ moʒðer moʒdɪ morsika:re moskar morsikare konspuere womere vomix soffjare sofła: vjodi oir owvix owvir kogno:skere konoθer konoffere kopeseʒ koposi koʒitare ole:re oler olire odo:ra:re odorare dormi:re dormir dormire doʒmɪx dormi morir morire moʒɪx okki:dere kortar kortar skortare kosaɹ fodere nwotare wola:re vole bolar volare voaʒ zvolare zvola: ose torna:re tornar tornare toʒnaš torna: torkʷe:re torθer dona:re donar donare doa dona: appektora:re fʁote frotar fʁote arronʃare koser komputa:re kontar kontare konta: noverare sporre joka:re dʒokare ʒogaʒ kolar kolare koaʒ skorrere iʃkoʒɪ əskorə skori: korer korrere koʒɪx korə kori konfla:re gonʃare zgloʃa: ustolare omnis oʒni todo tutto todʎu tot tot muʃfo molto mol molc tanto tanto okəʎe alguno alkuno poko pəko powku powku otɪ otro owtru owtru mapo mapno longus longo lungo loŋ larʒo largo lato lato anʃo ampjo graso grasso espeso spesso gordo grossus ɢro ɢrəssu grosu grosu gros lerdo lordo lerdo lerdo pekepo pittfino pikkolo korto korto angosto angusto estrefjo stretto menudo minuto delyaðo delikato sottile ʃo kaldo kaldo frio freddo ləno pje:no nowus nuvo nweβo nōvo novu novu now bjexo vekko bonus bweno bwə:no malo malo poðriðo putrido poðre poðri poðri sordidus sordido sərdido spəʀko dritto rotundus redondo ritondo rədo əyʎo retuzo soave niðio netto umido seko sekko korre:ktus korretto proksimus proximo prəssimo prosimu prosimu proizme prosim adpropre presso beθino viʃino lontano lontan djestro destro sinjestro sinistro roxo rosso ʁoʃʁ ʁoʃu ros roʃu bermexo vermiłʎo rubjo rəbbjo rubeo rubeo ʒon amarijo krokeus kroʃeo albo albo uno uno dos dos dowa kʷattwor kwatro kwattro θinko kwando kwando kʷo:modo komo kome komu komu no non no no kon kon abhoc kʷod

p 0070

47

sponsa epuz esposa spəza ispoza iʃpozə əspəzə sponsus epu esposo spəzo ispozu iʃpozu əspəz spo:s patre peʒ paðre pa:dre paj paj paʀ pa:ʀ pari piskem peθ peʃje pejʃi pejʃi peʃ pəs peʃte pwasə pehə passerem paxaro passero paseru pasəru pasəre peduklus pu pjoxo pidəkkjo piołʎu piołʎu poł pju pedoli pədukje serpentem sɛʀpə serpente sɛʀpəʃi sirpəti sərpen sjɛʀpə sarpint farpe pa:lus pal palo palo paw paw pal pa:l par jep pellem po pjel pelle peli peli peł pja pjel pjele adepem adipe plu:ma plym pluma pjuma plomə pləm plume penna pen peja penna penə penə peja pen pene panə pilus pwal pelo pelo pilu pel pe:l pə kapillus kapello kapitia kap kap pedem pje pje pje:de pə pə pew pi: pit piez dʒəp perna pjerna perno pɛʀnə pɛʀnə pɛʀnə petiolus peθiolo pittʃolo pekol pitʃor pantikem pəs panθa panʃa pəʃe pəʃe paŋʃa pəs pantse pintetʃe spatula epol espalda spalla iʃpadwe iʃpadwe əspałʎə spal spale spate pektus pi peʃfo petto pejtu pejtu pit pet pjept apə pluwia plɥi pjodʒa pluʒa plu:ʒ ploje pləaje ri:pa:ria petra pjeʒ pjeðra pje:tra

Appendix 4 - Words containing each segment

pedrē peðrē peðrā pi:ʁ pje:re pjatrā lapidem lapide pulwerem pudʁ polvere pølvar pulbere pulwus polbo pō pō pols nqapte konspuere kōspye kuspīr kufpīr eskupīr əskupī skujpa sputere esputar sputare spuda: respi:ra:re respirar respirare ʁespirar ʁispirar rəspira respira: sapere sapere pēnsa:re pāse pensar pensare pēsax pēsar pānsa pēse pēnsa: pāsa pugna:re puɲar puɲare puɲa kaptia:re pulsa:re puse puxar pulsare puɟax puɟar pulsa: pulsa parti:re partix partir partire pakʃix pørtir pørti pō:rti parti: se:para:re separar separare separax sipərar səpəra separa: separa pungere pʁwēdx punðgere pūɟix pūɟir puɲi punðge eksprimere epwēdx ekspremir spremere isprəməx isprəmer əspremə esprimi appektora:re apretar epirtar epirtar limpida:re limpjar lipar lipar pulsa:re puse puxar pulsare puɟar puɟar pu:si: pulsa: pulsa impingere impindgere əmpɛrəɲə impindge apta:re komputa:re ekspo:nere sporre spune paɟkus pø pøko pøko powku powku pək pō po:k amplus āpl ampjo amplə spissus epe espeso spesso ispesu ifpesu əspes spe pittitus pəti pətit piti 'pittinus pekeɲo pittfino pekenu pikenu putsin pitulus pikkolo piɟful suptil ple:nus plē pje:no pʁe plē plē plin putridus poðriðo putrido puðrit putred putrem poðre poðri poðri spurcus spōrko ispurku ispurku spurk drept proksimus proximo prəssimo prosimu prosimu proizme prosim adpropre əpɾɔp apɾəpe pressus pɾe pɾesso pɾe patru

R 0072

34

mulierem mui:r mujere mari:tus marito mari:t mərīt ma:trem ma:dre mari patre pa:dre pɛ:r pari passerem passero serpentem serpente sərpen sarpint wermem verme vjer vjerme arborem arbul arbore fruktus frutto frut frukt grā:um grano grin gran griw frondea frondza ra:di:kem raiθ ərəl ra:di:ke radi:ʃe ra:di:ki:na rədəʃinā kortikem kortiʃe kortikea kortetʃa skortea skōrtsa əskōrsə skwartse flo:rem flo:r herba erba erbə jarbe grā:men restem rēsta karnem karne karn ca:r kornu: kōrno kōrn kwa:r korn o:rikla orekkja orele ureke nariʃe na:ris perna perno pərnə piʃʃor wentrem vintri vintre intera:nea dorsum kor kwore kər ku:r soreli ri:wus rio rio riw riw ripa:ria rivi:x mare mare mar ma:r mare sare petra pje:tra pje:re hare:na arinā sorə pulwerem polvere pølvar pulbere terra tjera tərɹa tjere tsarə nor negurə tene:braj tē:nebre tene:bra:s tē:nebre dʒer kinerem ʃenere sendrə stra:ta strada diurnum dʒorno diurna:ta dʒornata dʒornade bibere komedere mandukare morde:re mōrdere mwardi morsika:re morsikare musəgar murseka su:gere konspuere sputere womere vomere suffla:re soffjare respi:ra:re respirar respirare rəspira respira: ri:de:re reir ri:dere riwrə ridi wide:re aɟdi:re ski:re sapere sapere kogno:skere konoffere ko:gita:re kodʒitare pēnsa:re senti:re sentire ole:re olire odo:ra:re odorare fra:gra:re fragrare time:re temere tremere tremare trima: dormi:re dormire durmi durmi: dormi wi:were vivere morire muri: muri neka:re annegare tu:ta:ri makta:re okki:dere pugna:re puɲnare battuere battere kaptia:re kattʃare pulsa:re pulsare seka:re segare kurtā:re ekskurta:re skortare skurta: skurta ta:lia:re ta:ʎa:re di:widere dividere skindere ʃindere findere fendere parti:re partire pørti parti: se:para:re separare separa: separa pungere punðgere jugula:re jugula:re ra:dere raer radere rawrə rada: rade rasar rasare rəza rasa: raskar rəska fodere kawa:re kavare ekskawa:re skavare nata:re naviga:re navigare wola:re mergere merðgere merðge ambita:re andare weni:re ekstendere estendere jake:re dʒere sede:re sedere sedenta:re stare stare levara: levara altsare torna:re tornare turna tu:rne torna: turna gya:re dʒirare dʒira: virare dʒira: tork^w:e:re tərʃere turser turser tōrsə tɔarʃe kadere kawrə dare dare dar dona:re donare tene:re eksprimere spremere isprəməx isprəmer esprimi skreme serrere serar səra serare ʃerar serrare appektora:re stringere strindgere əʃtriɟir əʃtriɟir stringe strēngi: strindʒe frika:re fregare froj frea freka frikta:re frettare frisar lawa:re lavare tergere tərðgere ekstergere əstərɟi ʃterðge eksu:ka:re affjugare limpida:re tira:re tirare tire tira: pulsa:re pulsare trahere trarre traj tradʒe impingere impindgere jaktā:re dʒettare lankea:re lanʃare e:runka:re arankar arronʃare liga:re legare apta:re ko:nsuere kufʃire komputa:re kontare numera:re noverare numera: numara di:kere dire ekspo:nere sporre kanta:re kantare lu:dere joka:re dʒokare flu:ktua:re fluttuare fluita:re fluitare fluere fluire kola:re kolare ekskurrere eskurir skorrere əskorə skori: kurrere korer korrere korə kori gela:re dʒelare glakia:re gʒatʃjare inglakia:re infla:re enfiare konfla:re gonʃare intume:skere kre:ske:re kreʃfere krema:re kremare krāma flamma:re fjammare arde:re ardere flagra:re flagrare inkendere infendjare ustula:re ustolare ustura alter altro altri grandem grande gran grant majjo:rem largus largo lark larg krassus grasso gras gras gurdus grossus grōsso grwəs gros grawis greve grav gravi lurdus lordo kurtus korto kurt brewis breve striktus stretto stret strimt mərunt subtsire fri:gidus freddo fret rekentem reθjente reʃfente retsint reʃe putridus putrido putred putrem sordidus sōrdido spurcus s pōrko spōrk spurk di:re:ktus dritto drø: drēt drept rotundus redondo ritondo rədo rō tarənt rətund retu:sus retuzo korre:ktus korretto proksimus prəssimo prosim adpropre apɾəpe pressus pɾesso pɾe kirka dekstrum dēstro djestri sinistrum sinistro sinestri russus roxo rosso ros rəs vermikulus vermi:ʎo bərməʎ rubeus rubjo rəbbjo rubeo rubeo ruðge rəʃ rojb wiridem verde vert amarellus krokeus krotʃeo tre:s tre tɾəs trø: 'tre: trej k^wattwor kwattro kwatri patru

S 0073

14

no:s nos nojs wo:s bos vojs bus vos usted vose vōse voste sponsa esposa spōza ispoza əspōzə mari:tus sponsus esposo spōzo ispozu əspōs spo:s sokius sōʃo sots be:stia bis piskem pəs pwasō useʎ passerem passero pasəru pasəru pasəre peduklus serpentem sərɔpə serpjente serpente sərɔpə sarpint silwa selba selwa səwva səlve selba selve pa:lus fruktus se:men seme sementis sēmās simjente semente semēʃi simēti səmen simēs sementʃe səmintʃə frōsə frōsə ʁais ʁasin ʁesen kərʃisi kōrtisi kōrʃisə kurtisə skortea ekōxs skōrtsa əskōrsə skwas skwartse skɔartsə restem rista resta sang^winem sā saɲgre sangwe səgi səgi saɲ sō:ɟ saɲk sindʒe ossum əs weso əsso osu osu əs vwes os gʁes grasa

Appendix 4 - Words containing each segment

pilus kapillus kavettsa kabesē keþesē testa testa testē testā ftes teste tʒastā okulus na:sus naso na:so nas na:s nas naris naris petiolus pās pēsē pās dorsum dōso dos dwes spatula espalda spalla əspaʎʎa spal spalē spate sinus sē seno seno seju seju si sen san pektus so:lem sol sole sōw sōl sōl sōl sōare solikulus sōʎej soreli stella estreja stella istrelē əstel stō:l stēle stēa ri:wus sa:lem sēl sal sale saw sal sal se sa:l sare saksum sasso seǰfu seǰfu sabulum sabl saǰbru saǰbru sorā so:vjō savaln sabula sabbja pulwus pols nu:be:s nu:bilus tene:bra:s tinjeblas trēves tēnebrās fumase fumase sjel sew sēw sēl si:ʒ glas glas glēs fu:mus sādʒ sendrā sē:d sīzē sīzē strata estrada strada istrade die:s morsika:re moskar morsikare musəga musəgar musəya murseka su:gere syse sugaʒ sugaʒ sysi: suǰe konspuere kōspye kuspīʒ eskupir əskupi skujpa sputere esputar sputare spuda: suffla:re sufle soffjare sufle sofla: sufla respi:ra:re respirar respirare ʒespirar rəspira respira: ski:re sapere savwaʒ saber sapere sabēʒ səber səþe savō:r save: kogno:skere kōpesēʒ kupiser kōnosi pēnsa:re pāse pensar pensare pēsāʒ pēsar pōnsa pēsē penʒa: pōsa senti:re sātīʒ sentir sentire sēfjīʒ sētīr sēnti sēti sinti: simtsi əksīʒ uksi fase kasāʒ kesar kəsa fjesi: pulsa:re puse pulsare pulsa: pulsa sekare sje segar segare segaʒ siʒar səya sea: ekskurta:re skortare skurta: skurta skindere sēde se:para:re səvʒe separar separare separaʒ sipərər səpəra separa: separa rasar rasare rasa: raskar rəska kosaʎ kusar ekskawa:re eskabar skavare ekstendere ekstender estendere istēdeʒ əstendrā ekstinde jesi sede:re swaʒ ser sedere sēʒ ser sedenta:re sentar sētar sētar senta: sta:re estar stare əsta es sta: sta ose əlsa əlsar əlsa hō:si turser turser tōrsə segurar siguraʒ siyurar eksprimere ekspremir spremere əspremə esprimi skreme serrere serar səra sərər səra serare səʒe serrare siʒar siʒar sere stringere estrepiʒ strindʒere əstrepiʒ stringe strēngi: strindʒe frisar frasa ekstergere estarsir əstərʒi eksu:ka:re esqije suwe suja: uska pulsa:re puse pulsare pu:si: pulsa: pulsa lāse lēsa lēsar lōnsa kō:nsuere koser çase ekspō:nerə sporre spune ekskurrere eskurir skorrere əskorə skori: skurǰe glase glōsa intume:skere itumeser itumeser kre:skere kreseʒ kriʒser ēsādʒe isendʒar isēdʒar ənsendrā ustulare ustura omnis to:tus multus tantus paʒkus alius magnus longus largus la:tus amplus krassus graso grasso gras gras spissus espeso spesso ispesu ifpesu əspes spē gurdus grossus grōsso grosu grosu grōs grwēs gros grawis lurdus pittitus 'pittinus pitulus kurtus brewis angustus angosto angusto ingust striktus estrefo stretto istrejtū əstret stōʒ: strēt strimt minu:tus de:lika:tus subtilē sutil sottile sufjīw sufjīw suptil su:ti suti:l subtsire kalidus frigidus ʒesēfji ʒesēfji ple:nus nowus wetulus bonus malus putridus sordidus sordido sōrdido s

ərdidu sōrdidu spurcus spōrko ispurku spōrk spurk di:re:ktus rotundus aku:tus retu:sus sua:wem soave suaw nitidus u:midus u:dus sikkus sek seko sekko seku seku sek sefj sek sek korre:ktus proksimus prōssimo prosimu prosimu prosim pressus presso wi:ki:nus dekstrum djestro destro destru destrā djestri sinistrum sənəstʒ sinjestro sinestro seftru seftru sipnestri russus rosso ros rōs vermikulus rubeus galbinus amarellus krokeus albus u:nus duo:s dos dojs dos duas duēs tres tres tres sēk siku siku sinʒ sēk kʷis deintus dins si:k si si si si si si si si

t 0074

21

tu: ty tu tu tu tu ty tu tu usted voste infantem infante fante ifēti maritus marito marit mari:t mōrit ma:trem patre tata tata tata tata tata tatā be:stia pefte utfello serpentem serpjente serpente sirpēti sarpiint fru:ktus fruto frutto frute frute frujt frut frukt sementis simjente semente simēti kortikem kortiʒe kōrtisi kortikea korteθa kortetʒa kurtisə skortea restem rista rēsta ʒefti kotenna kapitia kavettsa testa tet testa testē teftē testā teste tʒastā dentem djente dente dēti dint dinte pit petiolus pitʒolo wentrem vātʒ bjentre bentrā vēt vintri vintre pantikem pintēʒe intera:nea ātraj entrāna itrepiʒ ētrepiʒ əntrānə spatula spate pektus petto pejtū pejtū pit pēt pjept fi:ka:tum fegato fō:t fija:t fikat ste:lla etwal estreja stella istrelē iftrele əstel stō:l stēle stēa la:t petra pje:tra pjatrā terra tēʒ tjera terra tēʒ tēʒ tērā tēʒ tjere tene:braj tē:nebre tene:bra:s tenebʒ tinjeblas tē:nebre trēves trēvʒ tēnebrās fu:ma:ta fumata fuma:ta fumate ventum bjento vento vētu vētu 'vint vint gǰatʒa strata estrada strada istrade iftrade montem monte mōti mōnt muntē monta:nea mōtān montāna montāna mōtēpiʒ mōtēpiʒ muntānə mōtān mōntāne noctem nōtte nojti nojti nit nyt nōt nōapte diurna:ta ǰornata sputere esputar sputare fti kōnetʒ kunqafte kō:gitare kōǰitare kuzitaʒ kuzitar kuǰeta senti:re sātīʒ sentir sentire sētīr sēnti sēti sinti: time:re temer temere temēʒ timer temā temi teme tremere tremar tremare tremēʒ trimer trima: tu:ta:ri tʒe tuwe makta:re mate matar mataʒ mētar mōta utfjdere battuere batʒ batir battere bateʒ bēter batrā bate bati bate kaptia:re kattʒare kurta:re kortar kōtʒaʒ kurtar ekskurta:re ekuʒte skortare skurta: skurta talia:re taje taxar taʎʎa:re taʎʎaʒ tēʎar tēʎa tēji: taja: taja fēt parti:re pāʒtiʒ partir partire pōrtir pōrti pō:rti parti: nata:re nware ambita:re ekstendere etādʒ ekstender estendere istēdeʒ iftēder əstendrā ekstinde sedenta:re sentar sētar sētar senta: sta:re etʒ estar stare iftar iftar əsta sta: sta torna:re tūʒne tornar tornare tōʒnəʒ turnar turna tu:rne torna: turna torkʷe:re tōʒdʒ torθer tōʒfere turser turser tōrsə tōarʒe tōbe tumbat tōbʒ tōbar tumba tume tene:re tōniʒ tener tenere tēʒ ter tōni tini tinji appektora:re apretar epirtar epirtar stringere etʒēdʒ estrepiʒ strindʒere əftrīʒir əftrīʒir əstrepiʒ stringe strēngi: strindʒe frikta:re fʒote frotar frettare fʒote tergere tēʒʒere ekstergere estarsir əstərʒi fterǰe tira:re tīʒe tirar tirare tirar tira tire tira: trahere tēʒ trarre traze trēzer trēwʒ traj tradʒe jakta:re ʒote ǰettare ʒejtar ʒejtar xita ǰete apta:re atar ətʒ ətʒar komputa:re kōte kontar kontare kōtar kōtar kumta kōte konta: kanta:re fāte kantar kantare kētar kētar kōnta fāte canta: kinta flu:ktua:re flyktʒe flugtwar fluttuare flutuəʒ flutuar fluktua fluctua fluita:re fluitare gǰatʒare intume:skere entumeθer itumeser itumeser kōwatʒ krejte ustula:re ustolare ustura to:tus tu todo tutto todū todu tot tō dut tot multus molto mūjtū mūjtū mult tantus tanto tōtu tōtu tant tanc alter otʒ otro owtru owtru altrā otʒ altri alt grant latus lato lato latu latu lat pittitus pōti pōtit piti 'pittinus pitʒino pitulus kurtus korto korto kuʒtu kurtu kurt kurt angustus

Appendix 4 - Words containing each segment

angosto angusto ingust striktus et̥wa estrejfo stretto istrejtu iſtrejtu æstret st̥wø: st̥ret strimt minu:tus minuto mənut minu:t mərunt de:lika:tus delikato d̥alikat subtil:lem sutil sottile su:ti suti:l calt fr̥et fr̥et rekentem reθjente reſente ret̥sint wetulus putridus putrido puðrit putred putrem dire:ktus dritto đirejtu direjtu d̥ret d̥ret drept rotundus r itondo tar̥ont r̥atund aku:tus əgut hebetem ebete retu:sus retuzo nitidus net netto net net neted korre:ktus korretto lw̥ētē lontano lunta lontan dekstrum djestro destro destru đestru destr̥a djestri sinistrum s̥ən̥est̥r̥ sinjestro sinistro seſtru seſtru sijestri v̥ert v̥ert tre:s t̥wa tres tre tres tref tres tr̥ø: 'tre: trej kʷattwor kat̥ kwatro kwattro kwatru kwatru kwatr̥a kwat kwatri patru kwant f̥emu:t deintus et

U 0075

15

nu vu bus tu tu tu tu tu tu tu tu uſted mulierem muxer mułex mułer mułe muir mujere epuz mari:tus maridu m̥ariðu sponsus epu ispozu iſpozu sokius awikellum utſello useł utſjel paſeru paſeru peduklus pu piołu piołu pju p̥adukje arvuri arbul pa:lus fru:ktus fruto frutto frute frute frujt frut frukt gra:num fułā frunz̥a kurtis̥e fune funje oſsum oſu oſu o:wum ovu ovu koꝛnu koꝛnu kua pluma pjuma plum̥e pilus pelu pilu kapillus kabelu k̥əbelu urełā ureke okulus ołu ołu na:sus bukka buſ buk̥a gula gur̥a ungula up̥a ungja up̥e up̥e əŋgule ungje petiolus genikulum z̥ənu zuełu zw̥əlu đ̥enunk^l manum kollum ku k̥olu k̥olu dorsum spatula sinus seju seju pektus pejtu pejtu fi:ka:tum fig̥edu fiy̥edu solikulus luna luna lue lue l̥un̥a l̥un̥a pluwia jubja juv̥e juv̥e pluž̥a fjume flumi flumi flum ri:wus x̥iu lakum lagu layu saksum seifu seifu laude sabulum sajbru sajbru sabula pulwerem pud̥x pulbere pulwus nube nube nuv̥ej nuv̥ej nu:bilus nublo nuvola nuvol nebula negur̥a fumata fuma:ta fumas̥e fumas̥e fumate kajlum wentum v̥etu v̥etu fu:mus umo fumo fumu fumu fum fum fokum fogu foyu f̣enuſ̣a kammi:num kaṃju keṃju mun munte muntar̥a diurnum zu̥x djurno diurna:ta zu̥ne annum enu enu nume kumer manduka:re mandukar mur̥der mus̥əga mus̥əgar mus̥əga murseka sugar sugar cuca: suđ̣e konspuere kusp̣ix kusp̣ir eskup̣ir əskupi skujpa sputere esputar sputare spuda: suffla:re sufle sufle sufla udire ui uldi: kup̣iser kuṇeſ̣a kuṇəſ̣te kuzitar̥ kuzitaṛ kujda kuđ̣eta ulura durmir durmi durmi: mụx̣ix mụx̣er muri muri: muri tuwe utſiḍere uksi utſide pugna:re puɲar puɲnar puɲa battuere pulsa:re puse puxar pulsare puſ̣ax puſ̣ar pulsa: pulsa kurta:re kurtaṛ ekskurta:re ekụte skurta: skurta pungere punḍere puɲi punḍe jugula:re kusar bula zbura lua tụne turnar turna turna turser turser tumḅar tumba tume duar duna segurar siguṛax siyurar affugare əfugar əfuyar əfuga suwe suja: uska pulsa:re puse puxar pulsare puſ̣ar puſ̣ar pulsa: pulsa e:runka:re arụŋka ko:nsuere kuḍx kuṭfire kuzer kuzer kuzi kuzi komputa:re kumta numera:re numera numera: numara spune ludir xugar zuyar zuga đ̣uwe đ̣uja: zuka flu:ktua:re flugtwar fluttuare flutuax flutuar fluktua fluctua fluita:re fluitare fluere fluir fluire flui kule kuar kuł̣a ekskurre eskurir iſkurer skurđ̣e kurrere kụx̣ix kụx̣er kurđ̣e umfla intume:skere entumeθ̣er itumeser itumeser ustula:re ustolare ustura to:tus tu tutto toḍu tođ̣u dut multus mu muſ̣fo ṃụjtu ṃụjtu mult tantus ṭetu ṭetu alguno alkuno əlgu paɲkus powku powku owtru owtru alius magnus longus lungo ḷogu ḷogu lunk lung largus ḷəgu ḷəgu la:tus latu latu amplus ɛ̣ju ɛ̣ju krassus grafu spissus ispesu iſpesu gurdus grossus grosu lurdus lụx pittitus 'pittinus p̣ekenu p̣ekenu putsin pitulus piſ̣ful kurtus kụx̣ kụx̣tu kurtu kurt kurt angustus angusto ingust striktus istrejtu iſtrejtu minu:tus menudo minuto miudu miuđu mənut minu mərunt de:lika:tus dewgadu deł̣ỵadu subtil:lem sutil suſ̣fiw suſ̣fiw subtil suti:l subtsire kalidus kawdu kaldu fri:gidus friu friu ple:nus seju seju nowus nuvo novu novu wetulus vej̣lu veł̣u bonus bun malus putridus putrido puðrit putred putrem sordidus s̥ordidu s̥ordidu spurcus ispụrku iſpụrku spurk dire:ktus đ̣irejtu direjtu rotundus ṛ̌eḍodu ṛ̌iḍodu ṛatund aku:tus aɣuđu eɣuđu əgut retu:sus retuzo sua:wem suaw nitidus neđ̣u neđ̣u u:midus umido umid umed u:dus ud sikkus seku seku korre:ktus proksimus prosimu prosimu pressus wi:ki:nus viziju viziju lunta dekstrum destṛu đ̣estru sinistrum seſtru seſtru russus rụ rụfu rofu vermikuḷus vẹṃeł̣u viṛṃej̣lu rubeus rụẓ rụbjo rubeo rubeo ruđ̣e galbinus amarellus eṃarelu eṃeṛelu krokeus albus awvu alvu u:nus uno uno un uɲ unu duo:s duaj due duas dụes dụeſ kwatru kwatru patru sịku sịku ekkumhi:k kw̥edu kw̥edu komu komu kum nu deintus kum ku avu

V 0076

19

vu voi ṿojs vof vos vo: voj vose ṿose voste avi avi vẹx verme vẹṃi vermi verm vjer vjer vjerme ạṿori arvuri selva sewva selve selve ẹx̣ve ẹṛve ṿj̣aḍ vivanda viṿeda viṿede ṿwes ẉọvo ovu ovu f̣ə̣ṿø f̣iṿja cavej f̣ə̣ve kavettsa voli ṿaṭx ṿeṭ vintri vintre juve juve ḳiṿj̣ẹx̣ ṛiṿi:̣x̣ so:ṿj̣o savaḷn polvere polvar nuṿej̣ nuṿej̣ nuvola nuvol nevẉe nevẉe treves treveſ̣ ṿa vento ṿetu ṿetu ṿe 'vint vint neve nevi nevi vwa via vie vie bevi voṃix̣ ṿoṃere vo:mi ṿoame vwạx̣ vedere vẹx̣ ver vi: ṿj̣odi veḍea owṿix̣ owṿir savwạx̣ saṿø:̣x̣ save: ṿiṿx̣ vivere vivẹx̣ viver vivi via dividere đ̣ịviđ̣ịx̣ dịviđ̣iṛ dividi divide ṣə̣ṿe f̣ə̣ve kavare kevạx̣ kevaṛ java: skavare iſkevạx̣ iſkevaṛ ẓjava: naviga:re navigare naviỵax̣ neviỵaṛ naviga: naviga vole volare voax̣ vwar vole zvolare zvola: ṿə̣nix̣ venire vịx̣ viṛ vini ṿiji: veni leva:re ḷə̣ve levare levạx̣ livar ḷə̣ve leva: vịx̣e virare virar vịx̣e lave lavare levar levar lave lava: noverare greve gravi gravi graṿ grevi breve brevi brevi nuvo ṇọvo novu novu nove ṿj̣o ṿekḳjo vej̣lu veł̣u veł̣ vi: ṿjei veḳ soave vwaẓe viſ̣j̣no viziju viziju viẓe viſ̣j̣n viſ̣j̣n vermikuḷus vẹṃej̣ vermi verde verdi ṿeṭ vẹx̣ verde awvu alvu vi aveḳ avu

Appendix 4 - Words containing each segment

W	0077	8
ew ew jew wo:s pwasō awem aw awikellum wazo wermem silwa sewva paw paw fwee skwas skwartse kwan wi:wenda sangwe weso vwe:s o:wum webo wɔvo ɔw ow kwerno kwen kwar kɔw pwal pɛw zweɫu wentrem kwejo kwel dwes ifpadwɛ ifpadwɛ kwɔre awmɛ fwa sɔw etwal aɣwa akkwa agwɛ agwɛ ajɣwə ɛ:w pluwia ri:wus ɛiɯ riw riw saw pulwerem pulwus nɛvwɛ nɛvwɛ newlɔ sɛw sɛw wentum niwem new fwego fwɔko wia vwa lɛngwa lingwa ligwɛ ligwɛ bwak bewrɔ mwardi womere riwrɔ wide:re vwak bewrɔ wiɯ owviɯ owvir savwak kwidar dwaɯmi wi:were biwrɔ nwaje tuwe di:widere pwɛdɛ rawrɔ fwiɯ kawa:re ekskawa:re nwotare wola:re vwar weni:re zawrɔ swak fwak kawrɔ lawa:re suwe trɛwrɔ zwe ɟuwe flugtwar flwiɯ flwir kɔwatɯ awgũ powku powku owtru owtru aw grwɛs grawis grew grew brewis brew etɔwa dewgadu suɟiw suɟiw kawdu fɛwa fɛwɛ nowus nweɟo nɔw now wetulus bweno bwɔ:no maw maw dɔwa sua:wem suaw wi:ki:nus vwazɛ lwɛtɛ wiridem awvu dowɔ tɔwa k ^w attwor kwatro kwattro kwatru kwatru kwatrɔ kwat kwatri ɟɛŋkwe kwi kwi kwa kwɛ: kwando kwando kwɛdu kwɛdu kwan kwand kwant		
X	0078	35
muxer paxaro pjoxo oxa orexa oxo inoxo xornada puxar taxar xirar puxar xita xugar bjexo proximo roxo bermexo		
Y	0079	23
ty ty fry plym lyn ɣy ny njɔly fyne nyt syse sysi: kɔspye zygye gyra:re flyktɥe flye mɔny		
Z	007A	48
epuz spɔza ispoza ifpoze ɛspɔzɔ spɔzo ispozu ifpozu wazo frunzɔ piez sizɛ sizɛ ɟɛnizɛ zi aɣzi ɛɔze ɛɔzɔ ɛzɔzɔ rɔza zɣava: zɔlare zɔla: zɔura zɛziɯ zɛzɛɯ zɛzɛr zɛɟɛɛ traze trɛzɛr kuzɛr kuzɛr kuzi kɔ:z kuzi dizeɾ dizeɾ ziɟɛ zɟlonɟa: retuzo proizme vwazɛ vizɛɟu vizɛɟu		
ã	00E3	82
ɟɔp pɔs		
Ç	00E7	77
krɔ:ç		
Ǿ	00F0	49
mariðo mɛriðu maðre paðre iɣaðo fiɣeðu pjeðra peðre peðrɔ iftraðɛ morðɛr murðɛr diviðiɾ neðar toðu miuðu delyaðo deɟɣaðu poðriðu puðrit poðre poðri aɣuðu ɛɣuðu niðu		
Õ	00F5	60
pwasō pehō frōse frōse ōgl ōg so:vjō mōɟi mōti mōtaɲ mōtɛɲɛ mōtɛɲɛ mōtaɲ nō ōr tōbe tōbaɯ tōbar kōte kōtar kōtar kōte gōfle gōfle pō ōt lōgu lōgu lō ɟō bō bō bō bō ɯō ɯedōdu ɯidōdu rō ō kō kō		
Ø	00F8	79
kø ɣəvø løn fø pø vjø dø		
ĩ	0129	42
ifɛɟi ifɛti itɛɲɛ sizɛ sizɛ kamɛɲu ligwɛ ligwɛ ɛɟɾizɾ ɛɟɾizɾ lipar lipar ifar ifar itumesɛr itumesɛr isɛndɟɾar isɛdɟar siku siku si si		
ɲ	014B	75
saɲgre saɲ saɲk ɔɲgule maɲ aɲ nɔɲ lɛngwa maɲɟa: peɲsa: aɲɲka zɟlonɟa: ɬoɲ ɲɲgust uɲ ɟɛŋkwe siɲk 'ɟɛŋk		
œ	0153	31
foem døem foeɟ floɛɯ œf œɟ goel kœɯ		

Appendix 4 - Words containing each segment

ũ	0169	91
pũzix pũzir mũjtu mũjtu awgũ atgũ ũ ũ		
ø	0250	30
femeø femje done done ifpozø mæridu bife bife paseru paseru sælve frute frute fołe fołe fröse fröse kœif kœifise kurtise ebnø erne grēmē grēmē kodzie kodie vivēde grafē grafē kauðe kauðe penø penø kœbelu kabese kœbesø teste tefte orełe orełe nœrif bøkø bøkø upø upø pœrne pœrne zwełu pēsē pēsē itrēne ētrene ifpadwe ifpadwe awmē almē figedu fiyēdu lue lue istrele iftrele agwe agwe juve juve pedre peðre areje ereje teke teke kœlizēj nevwe nevwe treves trevef fumase fumase sizē sizē vie vie istrade iftrade kemiju mōtēne mōtēne die die enu enu ligwe ligwe seber metar betar kesar tēlar pœrtir sipœrar kœer kœzar kœkar kevar iſkevar iſkevar neðar neviyar kemijnæ kemijnar zœzœ zœzer keir keir œpirtar œpirtar lœvar lœvar trezer œtar œtar œder eγuðu emarelu emærelu duēs duēf eki ei e		
ɑ	0251	84
am fwa hare:na bwæx taje kaze gwa tkwa		
ɔ	0254	9
zɔ nɔf vɔse dɔnna dɔnə dɔne spɔza əspɔzə spɔzo əspɔs sɔfɔ pidɔkkjɔ fɔłłɔ kœɔfisi kœrtisi skœrtsa əskœrsə flɔ ɔs ɔsso ɔs ɔf wɔvo ɔw kœɔn kœrno kœrn kœw kœðe plɔm ɔraj ɔkkjɔ bœk bœce gœle ɔɲgule pittfɔlo dʒinœkkjɔ dʒinɔ kœlu kœlu kœł dœsso dœ kwœre kœx kœr sœw sœł sœł sœlo sœlej savalɔn pœlvar pœ pœ nɔly fwœko fœk mœnt mœntapne nœtte nœt zœɲna zœɲna nœm nœɲ mœrdere vœmere kœnetx kinœh dœkmix mœri ɔksix vœle tœɲdœ tœrtfere tœrsə dœne kœle kœri tœ pœko pœk grœsso grœs nœvo nœw nœvœ bœn bœn sœrdido sœrdidu sœrdidu spœrko spœrk tarœnt prœssimo œprœp rœs rœbbjɔ rœf grœk kœmă kœm kœmē		
ə	0259	4
zə dœnə dœamnə əspɔzə mœrit əspɔs marə parə tatə nœmajə pasœre pœdukjə sœrpen abrə sœmăs sœmen sœminfə fułə frunzə œrel rœdœfinə əskœrsə skœartsə erbə jarbə konnə ɔqadə plomə pœnə panə pœr fœvø kœbœł fœvœ testə tœgastə urœłə bokə bukə golə gurə kambə gambə pœrnə zœnu zœnoł minə alə bentrə papfə œntrəɲ əspalłə inimə fedʒə lœnə lunə əstel ajɲwə apə plužə peðrə pjatrə œrenə arinə sorə tērə tsarə newlə negurə tœnebœs tſœɔfə geatsə sendrə tſenufə biə fœmē kœmi muntapə diə limbə bewrə mœɲza musœga musœgar musœya əskupi rœspira riwrə bewrə sœfœ kunefə pœnsa pœsa sœnti flœjra temə biwrə nœga mœta batrə kœsa sœya tœłə tœja fendrə pœrti sœvœ sœpœra rawrə rœza rœska fœvœ kœba nœda nœbœga fœmine kœmina vœniœ bœni œstendrə zawrə zœfſœ œstə lœvœ lœbœ lœvœ œlsə tœrsə kawrə kœðœ tœniœ tœni ifprœmœ ifprœmer œspremœ sœrar sœra œftrizir œftrizir œstreɲə frœga frœsa lœbœ œstœrzi œfuga trœwrə œmpœnə zœte lœnsa kœnta əskorə korə zœle zœla glœsa kreſə krœma œnsendrə œlgu altrə amplə œspes pœti pœtit œstret mœny mœnut mœrunt dœlikat rœdo rœtund œgut œprœp bœi destrə sœnœstx bœrmœł dowə kwatrə œłə œn kœ kœ kœ		
ɛ	025B	32
femine efă pes pehō utfello utfjel sjœxpē verm vjer vjer sœwva sælve selve sementſe gœen œrel resen eɲb erba erve jep gœamen resta kœfſi peli pjel fœx vwes gœes kwen kœde plume pen pœnə pene pel kœbœł fœvœ tet testa testē tefte tſes teste urœłə bœce dente ɔɲgule pœ pœ pœw pœrno pœrne pœrne pœrnə pekol kwel spale petto pet œstel stele mœx sel peðrœ terra tœvœ tœrə tjere nevwe nevwe tenebœ treves trevef sjel tſelo sœw sœw sel vento nevi nevi zel dœlo zœł gles sendrə tſinize munte 'lœnge bewrə bewrə sœbœ kœnetx kunefə flœke tſesi: teji: fendere fendrə nœdʒi: mœrdœere estendere etx œs spremere sere œstreɲə strengi: tœrdœere tœvœ trœwrə œmpœnə dœte intfendjare ispesu œspes spe grwœs gœijef greve grevi bœf breve brevi brevi œstret stret dœɲaðu fret frwœ reſfente plœ plen nœvœ vœkkjɔ dœret dœret ebete net nœdʒu nœdʒu net net sek sek seſ sek presso prœ destro destru dœstru sœnœstx seſtru seſtru vœkmej bœrmœł vert vœx vert dœen emarelu emærelu tres kœ ɛ		
ʃ	025F	83
jambe manja: java: zjava:		
g	0261	1
ego: gra:num gœen grano grano grēw grēw gra grin gran griw gra:men gœamen grama grēmē grēmē gram sangre sangwe sœgi sœgi sō:g gœes grasa grafē grafē gref gula gœł gola gola golə gœɲj gœle gurə ungula ôgl ungja ôg ɔɲgule ungje gamba gamba gamba gambə genikulum fegato figedu agwœ agwœ age lago lago lagu ka:li:ginem negurə gelu: glas gjatſa glas gles glafſe geatsə fwego fogu lœg lœngwa lingwa ligwœ ligwœ 'lœnge musœga musœgar su:gere sugæx sugar kogno:skere		

Appendix 4 - Words containing each segment

ko:gita:re fra:gra:re fragrare nəga anegar annegare pugna:re segar segare segaʁ pungere jugula:re zygye jugula:re naviga:re nabegar navigare nəbəga naviga:re naviga mergere gyra:re segurar siguraʁ stringere stringe strəŋgi: fregar fregarə frəga iffrigar tergere ekstergere affugare ɛfugar ɛfuga impingere liga:re legar legare lega xugar zogar zuga flugtwar gela:re glakia:re glase gjattfjare gləsa glafja: inglakia:re ingetsa göfle gonfjare göfle zgloŋfa: flagra:re flagaʁ flagrar flagrare flagraʁ flagrar alguno awgū ałgū əlgu magnus grandem gʁā grande grande grēdʒi grēdi gran gʁā grant longus longo lungo lögu lögu lung largus largo laʁgu largu larg gʁa graso grasso grafu gras gras gras gurdus gordo grossus gʁo grosso grosu grosu grəs grwəs gros grawis gʁiʒef grabe greve gravi gravi grew grav gravi grew angustus angosto angusto ingust dewgadu fri:gidus əgut galbinus galben grək

Y 0263 85

iyəðo fiyeðu aywa ajoywə layu foyu musəya siyar səya naviyaʁ neviyaʁ siyurar iffriyaʁ ɛfuyar ʔiya zuyar laryo delyaðo delyaðu ayuðo eyuðu

U 0265 69

fʁuʔi plʁi nʁi kʁide tʁe esʁije flyktʁe

i 0268 45

ifēti ifpozə ifpozu peʒi avi sirpēti vermi arvuri simēti səmintʃə kərtisi kəfti peli karni səgi sindʒe pilu dēti minə pintefē iftrele flumi riw vint nevi mōti nojtī nojtī nomi biʃer minka ʁiʃpirar ride kupiser timer trimer siyar sipərar naviyaʁ neviyaʁ iʃtar iʃtar livar siguraʁ siyurar siʁar siʁar ɛpirtar ɛpirtar strindʒe iffrigar iffriyaʁ impindʒe kinta zilar zilar ingetsa kriʃser intʃindʒe grēdi gravi pikenu brevi ingust iftrejtu strimt poðri ʔidōdu virmeʒu verdi verdi ki kind in ki

I 026A 11

ɕʁi na:ris isendʒiar

l 026B 68

səlvə səl ʒel əlsa əlsar kuʔa flama ałgū ał delyaðu kał plə

n 0272 39

dona niʒo alimaʒa peʒa peʒə upa upə upə paʒfə entrəʒa itreʒne ɛtreʒne ɛntrəʒə kamijnu kemijnu mōtaʒ montəʒa montəʒna mōtəʒne mōteʒne muntəʒə mōtaʒ mōntəʒe ɲot apo aʒ mənʒa maʒi: kəʒesəʁ kupiser kəʒosi puʒar puʒnare puʒa puʒi kemijaʁ kemijaʒ viʒi: estreʒir ɛstreʒə ɛmpeʒə oʒʒi maʒo maʒno pekeʒo ɲu:f vizijnu vizijnu siʒestri

ʃ 027B 92

kosaʃ

f 027E 29

embra fembra muxer muʁer mariðo maridu məriðu marit maðre marə paðre paʁə paxaro pasəru pasəru pasəre serpjente sirpēti faʁpe berme vermi verm aʁʃol albero aʁvori arvuri abra par fruto frute frute frujt grano grēw grēw gra frōse frōse frunʒə kərtisi kortəθa kurtisə skoʁtsə flor fjo:re flor floare jerba ɛrvə jarbə grama grēmə grēmə gram rista karne karni karne sangre grasa graʃe graʃe gref kwerno kornu pəʁ orexa oreʔə oreʒəʔə ureʔə nariθ naris neriʃ gurə pjerna pərvə bjentre bentrə entrəʒa itreʒne ɛtreʒne ɛntrəʒə kor sqare estreja istrele iftrele mar mar pjeðra pedre pēðre peðrə pjatrə arena areʒe ɛrəʒe ɛrenə saʒbru saʒbru trevəs treveʃ tənebrəs ʃfer estrada istrade iftrade djurno zorn xornada nombre beber bere biʃer bəwə komer kumer mandukar mandʒare mēʒar moðer murðer moskar morsikare sugar kulpir eskupir esputar sputare respirar respirare ʁiʃpirar ʁiʃpirar ʁəspira reir ri:dere ɛir riwə ride ber vedere ver bəwə oir udire owvir saber seber konoθer kupiser kwidar kuzitar pensar pensare pəsar sentir sətir oler ulura fejraʁ fejrar fləjra temer timer tremar treməʁ trimer dormir durmir bibir viver biwəʁ morir muʁer muri anegar matar metar utʃidere puʒar batir betər batrə kaθar kesar puxar puʒar segar siyar kortar kurtar taxar təʔar dibidir diviðir ender fēder fendrə partir pərtir separar separaʁ sipərar səpəra pūʒir raer ʁeər rawə rasar ʁəʒar raskar ʁəʃkar kusar kabar kəvar eskabar iʃkəvar nadar nwotare neðar nabegar neviyaʁ bolar volare vwar zvolare zbura kaminar kamminare kemijaʒ andar ɛdar benir venire vir ekstender iftēder ɛstendrə jaθer ɕaʃte:re ʒeʒer zawrə ser ser sentar sətər sətər estar iʃtar iʃtar jebar livar alθar əlsar tornar turnar xirar ɕirare zirar zirar zira birar virare virar zirar bira torθer kaer kadere kəir kəir tumar tōbar dar dar donar duar

Appendix 4 - Words containing each segment

tener tenere ter segurar sigurak siyurar ekspremir əspremə serar sərar 0erar sizar sizar apretar 0pirtar 0pirtar estrenir 0strenə fregar frəga iffrigar iffriyar frotar frisar frəsa la0ar levar levar estarsir 0fugar 0fuyar limpiar lipar lipar tirar tīra tīra tīra tīra puxar pufar pufar traze trezer trəwrə 0fjar zejtar zejtar lan0ar ləsar arankar aruŋka legar atar 0tar 0tar koser kuzer kuzer kontar k0tar k0tar numera de0ir dizer dizer kantar k0tar k0tar ludir xugar zuyar flugtwar flutuar fluir flwir kolar kuar eskurir ifkurer skur0e korer ku0er kur0e elar zilar zilar intfjar ifjar ifjar entume0er itumeser itumeser kre0er kresek kri0ser kre0e kre0e kemar keymare arder 0rder arde flagrar flagrar en0ender isend0iar isedjar ənsendrə otro owtru owtru altrə grande grē0i grēdi mare lar0o largu 0ark graso gra0u gras gordo grosu grosu grəs grabe gravi gravi grew grew lerdo lerdo lerdo korto kurtu kurt brebe brəvi brəvi brew estre0o istrejtu iftrejtu 0stret frio friu friu fret po0ri0o pu0rit po0re podri po0ri sordido s0rdidu s0rdidu ispurku ifpurku 0jirejtu direjtu dret proximo prosimu prosimu proizme 0r0p 0erka djestro destru deftru destrə sinjestro se0tru se0tru ofu bermexo virmə0u berde verdi verdi vert verde amarijo 0marelu 0marelu grak tres tres tref kwatro kwatu kwatu kwatə

R 0280

54

mer vjer fry re0en kr0:0 0raj vi:r 0r sav0:r m0ri p0:rti ma:r0fi: 0f0r s0rar sere ifkurer k0ri frwe

B 0281

37

mu0ek ma0i me0 pe0 sekp0 sekp0fi sjekp0 ve0 vekmi a0b0 a0vori f0qi g0en kais 0eif ka0i kasin k00fisi k00fise ek0s flo0k flo0 flo0k 0b0 0vne g0amen 0e0fi 0e0ti f0k ka0ni g0en k0kn k0vnu 0ve0 pekne v0t0 0tkaj k0ek k0k ku0 plu0 ky kiw kiw kivjek rivi0 me0 ma0 me0 pjek pi0 pud0 tek te0e te0e te0 tene00 si0 s0d0 zu0 z0vna z0vna zu0ne bwak bebe0 b00 m0zak m0v0v m0v0v sugak kuspiv vomiv 0espivar 0ispirar kiv kiv kiv ki0 vvak ve0 wiv owviv savvak sabek k0n0v k0nesek kuzitak p0sak s0ti0 s0tfiv fl0ve fejrak temek k0ed0 tremek d0vmi0 d0vmi0 dwa0mi viv0 vive0 mukiv m0vek mu0er matak 0ksiv bat0 bate0 kasak pufak segak kovtak eku0te talak 0jivid0iv f0d0 fedek pavtik pav0iv s0vke separak pwed0 p0ziv kaek 0e0r kaze kazak 0ezar 0afkak 0efkar fwiv kevak ifkevak nadak navivak voak kemivak ma0fe edak v0niv viv et0d0 istedek zeziv ze0ek swak sek 0t0 levak t0vne t0vna0 ziv0 vike vike t0v0v fwak t0bak dak t0niv tek sigurak 0v0ed0 ifpr0mek seka se0e sizar sizar 0v0ed0 f0e0e f0ote f0ote tike t0ek kud0 n0b0e di0 di0 zogak flutuak flwiv koak ifk0ek ku0iv k0ek ku0er k0wat0 kresek k0ame kejmak0 a0d0 a0dek flag0e flag0ak 0t0 g00 g00 lakz lakgu g0a g0o g0ijef luk ku0 kurtu ku0 b0ef b0ef 0t0wa st00: f0wa kes0fi kes0fi d0wa k0 ved0du k0d0du p0e s0nest0 ku k00v k00v vekme0 vekme0u ku0 ve0 ve0 t0wa kat0

J 0283

17

n0f v0f ifpoze ifpozu biffa bife bife pe0fe pe0fi pe0fi pe0 pe0te fj0 farpe 0eif 0e0fi 0e0ti f0k 0f gra0e gra0e gref s0v0 s0ve te0te n0rif bu0 pa0f0 ifpad0e ifpad0e iftrele suve suve se0fu se0fu tre0v0 0fenu0 iftra0e s0m0 kuspiv 0ispirar sti konoffere kunef0 kun0afte fejrak fejrar fase pufak pufar findere 0afkak 0efkar s0ve ifkevak ifkevar s0mine ma0fe ifteder fedea iftar iftar f0wak ifpr0mek ifpr0mer 0ftrivir 0ftrivir iffrigar iffriyar fter0e affugare 0fugar 0fuyar 0fuga pufar pufar f0te ifk0ek ifkurer ifjar ifjar kre0fere kri0ser kre0e 0fu 0fu gra0u ifpesu iftrejtu fo feju feju ifpurku deftru se0tru se0tru k00v k00v ofu do0f du0f tref fi

U 028A

95

k00v

A 028E

36

mo00e mu0ek mu0er mu0e use0 pio0u pio0u po0 f000a f00e f00e fu00a pe0 k0be0 ore0v ore0v ure0a 00u 00u zu0lu zu0lu z0n00 k00 0spa000 lun0 0ak ta00a:re ta0ak te0ar t00a 00ba 00ba 00nsa 0i0a 00v 0ark 0eno vej0u ve0u ve0 0unta vermi000 vekme0u virm00u b0rme0 00a

Z 0292

3

z0 z0 z0b z0nu zu0lu zu0lu z0n00 plu0a kaliz0j k0liz0j zel ze0 zu0 z0rn z0vna z0vna zu0ne m0ze m0zak m0zar m0vna kuzitak kuzitar p0ziv p0ziv zygy0e naze zeziv ze0ek ze0er zawr0 ziv0 zivar zivar zira zivar 0ftrivir 0ftrivir 0st0rzi z0te zejtar zejtar zve zogak zuyar zuga zuka z0le zilar zilar z0la intfindze lakz du:ze: viz0 vu0 zon

J 029D

5

jo jerba kabejo kwejo estreja jubja jelo ja0er jebar amarijo aja

Appendix 4 - Words containing each segment

dz	02A3	71
frondza dzornade		
dʒ	02A4	10
dʒi kodʒiv sindʒe dʒāp dʒinɔkkjo dʒino dʒenoli dʒenunkʲ fedʒə pjoddʒa kalidʒine dʒelo dʒer dʒu: dʒorno dʒu: dʒornata mandʒare sudʒe kodʒitare kudʒeta dʒividʒiɹ pundʒere pundʒe nedʒi: mɛrdʒere mɛrdʒe dʒaʃe:re dʒere dʒirare dʒira: dʒira: strindʒere strindʒe tɛrdʒere ʃterdʒe tradʒe impindʒere impindʒe dʒettare dʒete dʒokare dʒuwe dʒuja: skurdʒe kurdʒe dʒelare dʒale ʔsɛndʒiɹ grɛdʒi dʒirejtu nedʒu nedʒu rudʒe dʒen		
ts	02A6	51
sots skɔrtsa skwartse skɔartsə tʂeastsə pantse tsarə geatsə simtsi altsare tsine ingetsa putsin subtsire retsint		
tʃ	02A7	44
ifɛtʃi sɔʃo utʃello utʃɛl tʃɛ sɛɹpɛtʃi semɛtʃi semɛntʃe sɛminʃə radi:tʃe rɛdɔʃinɔ kortitʃe kɔʃʃisi kortettʃa kɔʃʃisə ʒɛʃʃi tʃɔ: tʃivja tʃɛs naritʃe dɛtʃi pitʃɔlo piʃʃor pantʃa pintetʃe peʃo tʃɛatʃə tʃelo tʃi:l tʃɛr gʃattʃa glatʃe tʃɛnɛrɛ tʃinizɛ tʃɛnuʃə mɔʃi notʃe sɛʃʃiɹ maʃa: utʃidɛrɛ utʃidɛ katʃare tʃɛsi: caʃa: pɔʃʃiɹ tʃimine ma:ɹʃi: dʒaʃe:re zɔʃɛa alʃa: tɔʃʃɛrɛ tɔartʃe tʃɛ:ɹ tʃjade tʃira tʃɛɹ lanʃare lanʃa: arrɔntʃare kutʃɛrɛ zitʃe tʃɔtɛ gʃattʃare glatʃa: intʃar intʃɛndʒare intʃindʒe mutʃo antʃo pitʃino piʃʃul estretʃo suʃiw suʃiw tʃɔ rɛʃʃɛntɛ ʒɛsɛʃʃi ʒɛsɛʃʃi rɛʃʃe sɛʃ viʃʃino viʃʃin vɛʃʃin rɔʃ krotʃɛo tʃiŋkwe 'tʃiŋk tʃiŋʃ tʃine tʃe tʃe tʃɛmu:t		
β	03B2	67
arβol kɛβɛlu kaβɛθa kɛβɛsɐ saββru saββru biβɛr sɔβɛ laβar nweβo		
θ	03B8	57
pɛθ raiθ kortɛθa kaβɛθa nariθ pɛθiolo panθa θjɛlo θɛniθa konoθɛr kaθar jaθɛr alθar torθɛr θɛrar lanθar dɛθiɹ ɛntumɛθɛr kreθɛr ɛnθɛndɛr rɛθjɛntɛ bɛθino θɛrka θinko		
ẽ	1EBD	64
tʃɛ sɛɹpɛʃʃi siɹpɛti sʒɛɹpɛ semɛʃʃi simɛti simɛs vivɛda vivɛdɛ dɛʃʃi dɛti dɛ mɛ mɛ ɛtrɛɹɹɛ sɛ vɛtu vɛtu vɛ pɛsar pɛsar sɛʃʃiɹ sɛtir kɛdɛɹ fɛdɛɹ ʔstɛdɛɹ ʔstɛdɛr sɛtar sɛtar ɛʃʃugar ɛʃʃuɹar ɛʃʃɛ ʔsɛdʒar ʒɛsɛʃʃi ʒɛsɛʃʃi plɛ viʒɛ sɛk sɛk nɛ		

Appendix 5 - Word Lists by Language

Latin

Cognate	IPA	Sounds
I	ego:	ay-g-O
We	no:s	n-O-s
YouPlural	wo:s	w-O-s
YouSingular	tu:	t-U
Woman	fe:mina	f-ai-m-e-n-ah
Woman-Mulier	mulierem	m-u-l-e-ay-r-ay-m
Woman-Domina	domina	d-oh-m-e-n-ah
Child	infantem	e-n-f-ah-n-t-ay-m
Wife	sponsa	s-p-oh-n-s-ah
Husband	mari:tus	m-ah-r-E-t-u-s
Husband-Sponsus	sponsus	s-p-oh-n-s-u-s
Husband-Socius	sokius	s-oh-k-e-u-s
Mother	ma:trem	m-A-t-r-ay-m
Father	patre	p-ah-t-r-ay
Father-Tata	tata	t-ah-t-ah
Animal	animalia	ah-n-e-m-ah-l-e-ah
Animal-Bestia	be:stia	b-ai-s-t-e-ah
Fish-Piskem	piskem	p-e-s-k-ay-m
Bird-Avem	awem	ah-w-ay-m
Bird-Avicellum	awikellum	ah-w-e-k-ay-l-l-u-m
Bird-Passerem	passerem	p-ah-s-s-ay-r-ay-m
Dog	kanem	k-ah-n-ay-m
Louse	peduklus	p-ay-d-u-k-l-u-s
Snake	serpentem	s-ay-r-p-ay-n-t-ay-m
Worm	wermem	w-ay-r-m-ay-m
Tree	arborem	ah-r-b-oh-r-ay-m
Forest	silwa	s-e-l-w-ah
Stick	pa:lus	p-A-l-u-s
Fruit	fru:ktus	f-r-U-k-t-u-s
Seed	se:men	s-ai-m-ay-n
Seed-Sementis	sementis	s-ay-m-ay-n-t-e-s
Seed-Granum	gra:num	g-r-A-n-u-m
Leaf	folia	f-oh-l-e-ah
Leaf-Frondea	frondea	f-r-oh-n-d-ay-ah
Root	ra:di:kem	r-A-d-E-k-ay-m
Root-Radix	ra:di:ke	r-A-d-E-k-ay
Root-Radicina	ra:di:ki:na	r-A-d-E-k-E-n-ah
BarkOfATree	kortikem	k-oh-r-t-e-k-ay-m
BarkOfATree-Corticea	kortikea	k-oh-r-t-e-k-ay-ah
BarkOfATree-Skortea	skortea	s-k-oh-r-t-ay-ah
Flower	flo:rem	f-l-O-r-ay-m
Grass	herba	h-ay-r-b-ah
Grass-Gramen	gra:men	g-r-A-m-ay-n
Rope	fu:nem	f-U-n-ay-m
Rope-Restis	restem	r-ay-s-t-ay-m
Skin-Pellis	pellem	p-ay-l-l-ay-m
Meat	karnem	k-ah-r-n-ay-m
Meat-Vivenda	wi:wenda	w-E-w-ay-n-d-ah
Blood	sang*inem	s-ah-n-gw-e-n-ay-m
Bone	ossum	oh-s-s-u-m
FatNoun	adepem	ah-d-ay-p-ay-m
Egg	o:wum	O-w-u-m
Horn	kornu:	k-oh-r-n-U

Appendix 5 - Word Lists by Language

Tail	ka:da	k-au-d-ah
Feather	plu:ma	p-l-U-m-ah
Feather-Penna	penna	p-ay-n-n-ah
Hair	pilus	p-e-l-u-s
Hair-Capillus	kapillus	k-ah-p-e-l-l-u-s
Head	kapitia	k-ah-p-e-t-e-ah
Head-Testa	testa	t-ay-s-t-ah
Ear	o:rikla	O-r-e-k-l-ah
Eye	okulus	oh-k-u-l-u-s
Nose	na:sus	n-A-s-u-s
Mouth	bukka	b-u-k-k-ah
Mouth-Gula	gula	g-u-l-ah
Tooth	dentem	d-ay-n-t-ay-m
Fingernail	ungula	u-n-g-u-l-ah
Foot	pedem	p-ay-d-ay-m
Leg-Gamba	gamba	g-ah-m-b-ah
Leg-Perna	perna	p-ay-r-n-ah
Leg-Petiolus	petiolus	p-ay-t-e-oh-l-u-s
Knee-Geniculum	geniculum	g-ay-n-e-k-u-l-u-m
Hand	manum	m-ah-n-u-m
Wing	a:la	A-l-ah
Belly	wentrem	w-ay-n-t-r-ay-m
Belly-Pantex	pantikem	p-ah-n-t-e-k-ay-m
Guts	intera:nea	e-n-t-ay-r-A-n-ay-ah
Neck	kollum	k-oh-l-l-u-m
Back	dorsum	d-oh-r-s-u-m
Back-Spatula	spatula	s-p-ah-t-u-l-ah
Breast	sinus	s-e-n-u-s
Breast-Pectus	pektus	p-ay-k-t-u-s
Heart	kor	k-oh-r
Heart-Anima	anima	ah-n-e-m-ah
Liver	fi:ka:tum	f-E-k-A-t-u-m
Sun	so:lem	s-O-l-ay-m
Sun-Soliculus	solikulus	s-oh-l-e-k-u-l-u-s
Moon	lu:na	l-U-n-ah
Star	ste:lla	s-t-ai-l-l-ah
Water	ak ^w a	ah-kw-ah
Rain	pluwia	p-l-u-w-e-ah
River	flu:men	f-l-U-m-ay-n
River-Rivus	ri:wus	r-E-w-u-s
River-Riparia	ri:pa:ria	r-E-p-A-r-e-ah
Lake	lakum	l-ah-k-u-m
Sea	mare	m-ah-r-ay
Salt	sa:lem	s-A-l-ay-m
Stone	saksum	s-ah-k-s-u-m
Stone-Petra	petra	p-ay-t-r-ah
Stone-Lapidem	lapidem	l-ah-p-e-d-ay-m
Sand	hare:na	h-ah-r-ai-n-a
Sand-Sabulum	sabulum	s-ah-b-u-l-u-m
Sand-Sabula	sabula	s-ah-b-u-l-ah
Dust	pulwerem	p-u-l-w-ay-r-ay-m
Dust-Pulwus	pulwus	p-u-l-w-u-s
Earth	terra	t-ay-r-r-ah
Cloud	nu:be:s	n-U-b-ai-s
Cloud-Nubilus	nu:bilus	n-U-b-e-l-u-s
Fog	ka:li:ginem	k-A-l-E-g-e-n-ay-m
Fog-Nebula	nebula	n-ay-b-u-l-ah

Appendix 5 - Word Lists by Language

Fog-Tenebrae	tene:braj	t-ay-n-ai-b-r-aj
Fog-Tenebras	tene:bra:s	t-ay-n-ai-b-r-A-s
Fog-Fumata	fu:ma:ta	f-U-m-A-t-ah
Fog-Caecia	kajkia	k-aj-k-e-ah
Sky	kajlum	k-aj-l-u-m
Wind	wentum	w-ay-n-t-u-m
Snow	niwem	n-e-w-ay-m
Ice	gelu:	g-ay-l-U
Smoke	fu:mus	f-U-m-u-s
Fire-Focus	fokum	f-oh-k-u-m
Ash	kinerem	k-e-n-ay-r-ay-m
Road	wia	w-e-ah
Road-Strata	stra:ta	s-t-r-A-t-ah
Road-Camminus	kammi:num	k-ah-m-m-E-n-u-m
Mountain	montem	m-oh-n-t-ay-m
Mountain-Montanea	monta:nea	m-oh-n-t-A-n-ay-ah
Night	noctem	n-oh-tya-t-ay-m
Day	die:s	d-e-ai-s
Day-Diurnus	diurnum	d-e-u-r-n-u-m
Day-Diurnata	diurna:ta	d-e-u-r-n-A-t-ah
Year	annum	ah-n-n-u-m
Name-Nomen	no:men	n-O-m-ay-n
Name-Nominem	no:minem	n-O-m-e-n-ay-m
Tongue	ling ^w a	l-e-n-gw-ah
ToDrink	bibere	b-e-b-ay-r-ay
ToEat	komedere	k-oh-m-ay-d-ay-r-ay
ToEat-Manducare	manduka:re	m-ah-n-d-u-k-A-r-ay
ToBite	morde:re	m-oh-r-d-ai-r-ay
ToBite-Morsicare	morsika:re	m-oh-r-s-e-k-A-r-ay
ToSuck	su:gere	s-U-g-ay-r-ay
ToSpit	konspuere	k-oh-n-s-p-u-ay-r-ay
ToSpit-Sputare	sputere	s-p-u-t-ay-r-ay
ToVomit	womere	w-oh-m-ay-r-ay
ToBlow	suffla:re	s-u-f-f-l-A-r-ay
ToBreathe	respi:ra:re	r-ay-s-p-E-r-A-r-ay
ToLaugh	ri:de:re	r-E-d-ai-r-ay
ToSee	wide:re	w-e-d-ai-r-ay
ToHear	audi:re	au-d-E-r-ay
ToKnow	ski:re	s-k-E-r-ay
ToKnow-Sapere	sapere	s-ah-p-ay-r-ay
ToKnow-Cognoscere	kogno:skere	k-oh-g-n-O-s-k-ay-r-ay
ToThink	ko:gita:re	k-O-g-e-t-A-r-ay
ToThink-Pensare	pe:nsa:re	p-ai-n-s-A-r-ay
ToSmell-Sentire	senti:re	s-ay-n-t-E-r-ay
ToSmell-Olere	ole:re	oh-l-ai-r-ay
ToSmell-Odorare	odo:ra:re	oh-d-O-r-A-r-ay
ToSmell-Fragrare	fra:gra:re	f-r-A-g-r-A-r-ay
ToFear	time:re	t-e-m-ai-r-ay
ToFear-Tremere	tremere	t-r-ay-m-ay-r-ay
ToSleep	dormi:re	d-oh-r-m-E-r-ay
ToLive	wi:were	w-E-w-ay-r-ay
ToKill	neka:re	n-ay-k-A-r-ay
ToKill-Tutari	tu:ta:ri	t-U-t-A-r-e
ToKill-Mactare	makta:re	m-ah-k-t-A-r-ay
ToKill-Occidere	okki:dere	oh-k-k-E-d-ay-r-ay
ToFight	pugna:re	p-u-g-n-A-r-ay
ToFight-Battuere	battuere	b-ah-t-t-u-ay-r-ay

Appendix 5 - Word Lists by Language

ToHunt-Captiare	kaptia:re	k-ah-p-t-e-A-r-ay
ToHit	pulsa:re	p-u-l-s-A-r-ay
ToCut	seka:re	s-ay-k-A-r-ay
ToCut-Curtare	kurta:re	k-u-r-t-A-r-ay
ToCut-Excurtare	ekskurta:re	ay-k-s-k-u-r-t-A-r-ay
ToCut-Taliare	ta:lia:re	t-A-l-e-A-r-ay
ToSplit	di:widere	d-E-w-e-d-ay-r-ay
ToSplit-Scindere	skindere	s-k-e-n-d-ay-r-ay
ToSplit-Findere	findere	f-e-n-d-ay-r-ay
ToSplit-Partire	parti:re	p-ah-r-t-E-r-ay
ToSplit-Separare	se:para:re	s-ai-p-ah-r-A-r-ay
ToStab	pungere	p-u-n-g-ay-r-ay
ToStab-lugulare	jugula:re	jg-u-g-u-l-A-r-ay
ToScratch	ra:dere	r-A-d-ay-r-ay
ToDig	fodere	f-oh-d-ay-r-ay
ToDig-Cavare	kawa:re	k-ah-w-A-r-ay
ToDig-Excavare	ekskawa:re	ay-k-s-k-ah-w-A-r-ay
ToSwim	nata:re	n-ah-t-A-r-ay
ToSwim-Navigare	naviga:re	n-ah-v-e-g-A-r-ay
ToFly	wola:re	w-oh-l-A-r-ay
ToWalk-Mergere	mergere	m-ay-r-g-ay-r-ay
ToWalk-Ambitare	ambita:re	ah-m-b-e-t-A-r-ay
ToCome	weni:re	w-ay-n-E-r-ay
ToLieAsInABed	ekstendere	ay-k-s-t-ay-n-d-ay-r-ay
ToLieAsInABed-lacere	jake:re	jg-ah-k-ai-r-ay
ToSit	sede:re	s-ay-d-ai-r-ay
ToSit-Sedentare	sedenta:re	s-ay-d-ay-n-t-A-r-ay
ToStand	sta:re	s-t-A-r-ay
ToStand-Levare	leva:re	l-ay-v-A-r-ay
ToTurnIntransitive	torna:re	t-oh-r-n-A-r-ay
ToTurnIntransitive-Gyrate	gyra:re	g-eeh-r-A-r-ay
ToTurnIntransitive-Torque	tork ^w e:re	t-oh-r-kw-ai-r-ay
ToFall	kadere	k-ah-d-ay-r-ay
ToGive	dare	d-ah-r-ay
ToGive-Donare	dona:re	d-oh-n-A-r-ay
ToHold	tene:re	t-ay-n-ai-r-ay
ToSqueeze	eksprimere	ay-k-s-p-r-e-m-ay-r-ay
ToSqueeze-Serrere	serrere	s-ay-r-r-ay-r-ay
ToSqueeze-Serare	serare	s-ay-r-ah-r-ay
ToSqueeze-Appetere	appetere:re	ah-p-p-ay-k-t-oh-r-A-r-ay
ToSqueeze-Stringere	stringere	s-t-r-e-n-g-ay-r-ay
ToRub	frika:re	f-r-e-k-A-r-ay
ToRub-Frictare	frikta:re	f-r-e-k-t-A-r-ay
ToWash	lawa:re	l-ah-w-A-r-ay
ToWipe	tergere	t-ay-r-g-ay-r-ay
ToWipe-Extergere	ekstergere	ay-k-s-t-ay-r-g-ay-r-ay
ToWipe-Exsucare	eksu:ka:re	ay-k-s-U-k-A-r-ay
ToWipe-Limpidare	limpida:re	l-e-m-p-e-d-A-r-ay
ToPull	tira:re	t-e-r-A-r-ay
ToPull-Pulsare	pulsa:re	p-u-l-s-A-r-ay
ToPull-Trahere	trahere	t-r-ah-h-ay-r-ay
ToPush	impingere	e-m-p-e-n-g-ay-r-ay
ToThrow	jakta:re	jg-ah-k-t-A-r-ay
ToThrow-Lanceare	lankea:re	l-ah-n-k-ay-A-r-ay
ToThrow-Eruncare	e:runka:re	ai-r-u-n-k-A-r-ay
ToTie	liga:re	l-e-g-A-r-ay
ToTie-Aptare	apta:re	ah-p-t-A-r-ay

Appendix 5 - Word Lists by Language

ToSew	ko:nsuere	k-O-n-s-u-ay-r-ay
ToCount	komputa:re	k-oh-m-p-u-t-A-r-ay
ToCount-Numerare	numera:re	n-u-m-ay-r-A-r-ay
ToSay	di:kere	d-E-k-ay-r-ay
ToSay-Exponere	ekspo:nere	ay-k-s-p-O-n-ay-r-ay
ToSing-AncestralClass	kanta:re	k-ah-n-t-A-r-ay
ToPlay-Ludere	lu:dere	l-U-d-ay-r-ay
ToPlay-Jiocare	joka:re	jg-oh-k-A-r-ay
ToFloat	flu:ktua:re	f-l-U-k-t-u-A-r-ay
ToFloat-Fluitare	fluita:re	f-l-u-e-t-A-r-ay
ToFlow	fluere	f-l-u-ay-r-ay
ToFlow-Colare	ko:la:re	k-O-l-A-r-ay
ToFlow-Excurrere	ekskurrere	ay-k-s-k-u-r-r-ay-r-ay
ToFlow-Currere	kurrere	k-u-r-r-ay-r-ay
ToFreeze	gela:re	g-ay-l-A-r-ay
ToFreeze-Glaciare	glakia:re	g-l-ah-k-e-A-r-ay
ToFreeze-Inglaciare	inglakia:re	e-n-g-l-ah-k-e-A-r-ay
ToSwell	infla:re	e-n-f-l-A-r-ay
ToSwell-Conflare	konfla:re	k-oh-n-f-l-A-r-ay
ToSwell-Intumescere	intume:skere	e-n-t-u-m-ai-s-k-ay-r-ay
ToSwell-Crescere	kre:ske:re	k-r-ai-s-k-ai-r-ay
ToBurn-Cremare	krema:re	k-r-ay-m-A-r-ay
ToBurn-Flammare	flamma:re	f-l-ah-m-m-A-r-ay
ToBurn-Ardere	arde:re	ah-r-d-ai-r-ay
ToBurn-Flagrare	flagra:re	f-l-ah-g-r-A-r-ay
ToBurn-Incendere	inkendere	e-n-k-ay-n-d-ay-r-ay
ToBurn-Ustulare	ustula:re	u-s-t-u-l-A-r-ay
All	omnis	oh-m-n-e-s
All-Totus	to:tus	t-O-t-u-s
Many	multus	m-u-l-t-u-s
Many-Tantus	tantus	t-ah-n-t-u-s
Few	pau:kus	p-au-k-u-s
Other	alter	ah-l-t-ay-r
Other-Alius	alius	ah-l-e-u-s
Big	magnus	m-ah-g-n-u-s
Big-Grandem	grandem	g-r-ah-n-d-ay-m
Big-Majjorem	majjo:rem	m-aj-jg-O-r-ay-m
Long-Longum	longus	l-oh-n-g-u-s
Long-Largum	largus	l-ah-r-g-u-s
Wide	la:tus	l-A-t-u-s
Wide-Amplum	amplus	ah-m-p-l-u-s
Thick	krassus	k-r-ah-s-s-u-s
Thick-Spissum	spissus	s-p-e-s-s-u-s
Thick-Gurdum	gurdus	g-u-r-d-u-s
Thick-Grossus	grossus	g-r-oh-s-s-u-s
Heavy	grawis	g-r-ah-w-e-s
Heavy-Lurdus	lurdus	l-u-r-d-u-s
Small	pittitus	p-e-t-t-e-t-u-s
Small-Pittinus	'pittinus	p-e-t-t-e-n-u-s
Small-Pitulus	pitulus	p-e-t-u-l-u-s
Short	kurtus	k-u-r-t-u-s
Short-Brevis	brewis	b-r-ay-w-e-s
Narrow	angustus	ah-n-g-u-s-t-u-s
Narrow-Strictus	striktus	s-t-r-e-k-t-u-s
Thin	minu:tus	m-e-n-U-t-u-s
Thin-Delicatus	de:lika:tus	d-ai-l-e-k-A-t-u-s
Thin-Subtilis	subti:lem	s-u-b-t-E-l-ay-m

Appendix 5 - Word Lists by Language

Warm	kalidus	k-ah-l-e-d-u-s
Cold	fri:gidus	f-r-E-g-e-d-u-s
Cold-Recens	rekentem	r-ay-k-ay-n-t-ay-m
Full	ple:nus	p-l-ai-n-u-s
New	nowus	n-oh-w-u-s
Old	wetulus	w-ay-t-u-l-u-s
Good	bonus	b-oh-n-u-s
Bad	malus	m-ah-l-u-s
Rotten	putridus	p-u-t-r-e-d-u-s
Rotten-Putrem	putrem	p-u-t-r-ay-m
Dirty	sordidus	s-oh-r-d-e-d-u-s
Dirty-Spurcus	spurcus	s-p-u-r-tya-u-s
Straight	di:re:ktus	d-E-r-ai-k-t-u-s
Round	rotundus	r-oh-t-u-n-d-u-s
SharpAsAKnife	aku:tus	ah-k-U-t-u-s
DullAsAKnife	hebetem	h-ay-b-ay-t-ay-m
DullAsAKnife-Retusus	retu:sus	r-ay-t-U-s-u-s
Smooth	sua:wem	s-u-A-w-ay-m
Smooth-Nitidus	nitidus	n-e-t-e-d-u-s
Wet	u:midus	U-m-e-d-u-s
Wet-Udus	u:dus	U-d-u-s
Dry	sikkus	s-e-k-k-u-s
Correct	korre:ktus	k-oh-r-r-ai-k-t-u-s
Near	proksimus	p-r-oh-k-s-e-m-u-s
Near-AdPrope	adpropre	ah-d-p-r-oh-p-r-ay
Near-Pressus	pressus	p-r-ay-s-s-u-s
Near-Vicinus	wi:ki:nus	w-E-k-E-n-u-s
Near-Circa	kirka	k-e-r-k-ah
Right-Dextrem	dekstrum	d-ay-k-s-t-r-u-m
Left	sinistrum	s-e-n-e-s-t-r-u-m
Red	russus	r-u-s-s-u-s
Red-Vermiculus	vermikulus	v-ay-r-m-e-k-u-l-u-s
Red-Rubeus	rubeus	r-u-b-ay-u-s
Green	wiridem	w-e-r-e-d-ay-m
Yellow	galbinus	g-ah-l-b-e-n-u-s
Yellow-Amarellus	amarellus	ah-m-ah-r-ay-l-l-u-s
Yellow-Croceus	krokeus	k-r-oh-k-ay-u-s
White	albus	ah-l-b-u-s
One	u:nus	U-n-u-s
Two-Duos	duo:s	d-u-O-s
Two-Duae	duaj	d-u-aj
Two-Duas	duas	d-u-ah-s
Three	tre:s	t-r-ai-s
Four	k ^w attwor	kw-ah-t-t-w-oh-r
Five	k ^w i:nk ^w e	kw-E-n-kw-ay
Here	ekkumhi:k	ay-k-k-u-m-h-E-k
There	illa:k	e-l-l-A-k
There-Ibi	ibi:	e-b-E
Who-Qui	k ^w is	kw-e-s
Who-Quem	k ^w em	kw-ay-m
What	k ^w id	kw-e-d
When-Quando	k ^w ando:	kw-ah-n-d-O
How-Quomodo	k ^w o:modo	kw-O-m-oh-d-oh
Not	no:n	n-O-n
Not-Nec	nek	n-ay-k
At	ad	ah-d
In-In	in	e-n

Appendix 5 - Word Lists by Language

In-Deintus	deintus	d-ay-e-n-t-u-s
With-Cum	kum	k-u-m
With-Abhoc	abhoc	ah-b-h-oh-tya
And-Et	et	ay-t
And-Si	si:k	s-E-k
Because-Quod	k ^w od	kw-oh-d

French

Cognate	IPA	Sounds
I	ʒə	gzah-aah
We	nu	n-u
YouPlural	vu	v-u
YouSingular	ty	t-eeh
Woman	fam	f-ah-m
Woman-Domina	dam	d-ah-m
Child	ãfã	NasalA-f-NasalA
Wife	epuz	ay-p-u-zz
Husband	maʁi	m-ah-rr-e
Husband-Sponsus	epu	ay-p-u
Mother	meʁ	m-ay-rr
Father	peʁ	p-ay-rr
Animal	omaj	oh-m-ah-jg
Fish-Pescion	pwasô	p-w-ah-s-on
Bird-Avicellum	wazo	w-ah-zz-oh
Dog	ʃjẽ	shh-jg-ehnn
Louse	pu	p-u
Snake	sɛʁpã	s-ay-rr-p-NasalA
Worm	veʁ	v-ay-rr
Tree	aʁbɛʁ	ah-rr-b-rr
Stick	pal	p-ah-l
Fruit	fʁɥi	f-rr-eu-e
Seed-Sementis	səməs	s-aah-m-NasalA-s
Seed-Granum	gʁɛn	g-rr-eh-n
Leaf	fœj	f-uuh-jg
Root-Radix	ʁadi	rr-ah-d-e
Root-Radicina	ʁasin	rr-ah-s-e-n
BarkOfATree-Skortea	ekoʁs	ay-k-oh-rr-s
Flower	flœʁ	f-l-uuh-rr
Grass	ɛʁb	eh-rr-b
Grass-Gramen	gʁamɛn	g-rr-ah-m-eh-n
Skin	kwan	k-w-ah-n
Skin-Pellis	po	p-oh
Meat	ʃɛʁ	shh-eh-rr
Meat-Vivenda	vjad	v-jg-NasalA-d
Blood	sã	s-NasalA
Bone	os	euh-s
FatNoun-Crassia	gʁɛs	g-rr-eh-s
Egg	œf	uuh-f
Horn	kɔʁn	k-euh-rr-n
Tail	kø	k-uu
Feather	plym	p-l-eeh-m
Feather-Penna	pen	p-eh-n
Hair	pwal	p-w-ah-l
Hair-Capillus	ʃəvø	shh-aah-v-uu
Head	ʃəvɛ	shh-aah-v-eh

Appendix 5 - Word Lists by Language

Head-Testa	tæt	t-eh-t
Ear	oʁej	oh-rr-ayj
Eye	œj	uuh-jg
Nose	ne	n-ay
Mouth	buʃ	b-u-shh
Mouth-Gula	gœl	g-uuh-l
Tooth	dā	d-NasalA
Fingernail	ōgl	on-g-l
Foot	pje	p-jg-ay
Leg-Gamba	zāb	gzah-NasalA-b
Knee-Geniculum	zənu	gzah-aah-n-u
Hand	mē	m-ehn
Wing	el	ay-l
Belly	vātʁ	v-NasalA-t-rr
Belly-Pantex	pās	p-NasalA-s
Guts	ātʁaj	NasalA-t-rr-ah-jg
Neck	ku	k-u
Back	do	d-oh
Back-Spatula	epol	ay-p-oh-l
Breast	sē	s-ehn
Breast-Pectus	pi	p-e
Heart	kœʁ	k-uuh-rr
Heart-Anima	am	a-m
Liver	fwa	f-w-a
Sun-Soliculus	solej	s-euh-l-ehj
Moon	lyn	l-eeh-n
Star	etwal	ay-t-w-ah-l
Water	o	oh
Rain	plʁi	p-l-eu-e
River-Rivus	ʁy	rr-eeh
River-Riparia	ʁivjeʁ	rr-e-v-jg-ay-rr
Lake	lak	l-ah-k
Sea	mœʁ	m-eh-rr
Salt	sel	s-eh-l
Stone-Petra	pjeʁ	p-jg-ay-rr
Sand-Sabulum	sabl	s-ah-b-l
Dust	pudʁ	p-u-d-rr
Earth	teʁ	t-ay-rr
Cloud	ny	n-eeh
Fog-Nebula	njɔly	n-jg-euh-l-eeh
Fog-Tenebras	tenɛbʁ	t-ay-n-eh-b-rr
Fog-Fumata	fyme	f-eeh-m-ay
Sky	sjɛl	s-jg-eh-l
Wind	vā	v-NasalA
Ice	zɛl	gzah-eh-l
Ice-Glacies	glas	g-l-ah-s
Fire-Focus	fø	f-uu
Ash	sādʁ	s-NasalA-d-rr
Road	vwa	v-w-ah
Road-Camminus	ʃəmē	shh-aah-m-ehnn
Mountain	mō	m-oon
Mountain-Montanea	mōtaɲ	m-on-t-ah-VdPalatalNasal
Night	nʁi	n-eu-e
Day-Diurnus	zʉʁ	gzah-u-rr
Day-Diurnata	zʉʁne	gzah-u-rr-n-ay
Year	ā	NasalA
Name-Nomen	nō	n-oon

Appendix 5 - Word Lists by Language

Tongue	lāg	l-NasalA-g
ToDrink	bwaꝛ	b-w-a-rr
ToEat-Manducare	māꝛe	m-NasalA-gzah-ay
ToBite	moꝛdꝛ	m-oh-rr-d-rr
ToSuck	syse	s-eeh-s-ay
ToSpit	kōspyꝛ	k-oon-s-p-eeh-ay
ToVomit	vomiꝛ	v-oh-m-e-rr
ToBlow	sufle	s-u-f-l-ay
ToLaugh	ꝛiꝛ	rr-e-rr
ToSee	vwaꝛ	v-w-ah-rr
ToHear	wiꝛ	w-e-rr
ToKnow-Sapere	savwaꝛ	s-ah-v-w-ah-rr
ToKnow-Cognoscere	kōnetꝛ	k-euh-n-eh-t-rr
ToThink	kꝛide	k-eu-e-d-ay
ToThink-Pensare	pāse	p-NasalA-s-ay
ToSmell-Sentire	sātiꝛ	s-NasalA-t-e-rr
ToSmell-Fragrare	fleꝛe	f-l-eh-rr-ay
ToFear-Tremere	kꝛēdꝛ	k-rr-ehn-d-rr
ToSleep	dōꝛmiꝛ	d-euh-rr-m-e-rr
ToLive	vivꝛ	v-e-v-rr
ToDie	muꝛiꝛ	m-u-rr-e-rr
ToKill	nwaje	n-w-aj-ay
ToKill-Tutari	tꝛe	t-eu-ay
ToKill-Mactare	mate	m-ah-t-ay
ToKill-Occidere	ōksiꝛ	euh-k-s-e-rr
ToFight-Battuere	batꝛ	b-ah-t-rr
ToHunt-Captiare	ꝛase	shh-ah-s-ay
ToHit	puse	p-u-s-ay
ToCut	sꝛe	s-jg-ay
ToCut-Excutare	ekuꝛte	ay-k-u-rr-t-ay
ToCut-Taliare	tāꝛe	t-a-jg-ay
ToSplit-Scindere	sēde	s-ehnn-d-ay
ToSplit-Findere	fādꝛ	f-NasalA-d-rr
ToSplit-Partire	paktiꝛ	p-ah-rr-t-e-rr
ToSplit-Separare	sāvꝛe	s-aah-v-rr-ay
ToStab	pwēdꝛ	p-w-ehnn-d-rr
ToStab-Iugulare	ꝛygyle	gzah-eeh-g-eeh-l-ay
ToScratch-Rasare	ꝛaze	rr-a-zz-ay
ToDig	fwꝛ	f-w-e-rr
ToDig-Cavare	ꝛave	shh-aah-v-ay
ToSwim-Navigare	nāꝛe	n-ah-gzah-ay
ToFly	vole	v-oh-l-ay
ToWalk	ꝛəmine	shh-aah-m-e-n-ay
ToWalk-Marcher	maꝛꝛe	m-ah-rr-shh-ay
ToCome	vōniꝛ	v-aah-n-e-rr
ToLieAsInABed	etādꝛ	ay-t-NasalA-d-rr
ToLieAsInABed-Iacere	ꝛeziꝛ	gzah-ay-zz-e-rr
ToSit	swaꝛ	s-w-ah-rr
ToStand	etꝛ	eh-t-rr
ToStand-Levare	lōve	l-aah-v-ay
ToStand-Altiare	ose	oh-s-ay
ToTurnIntransitive	tuꝛne	t-u-rr-n-ay
ToTurnIntransitive-Gyrare	ꝛiꝛe	gzah-e-rr-ay
ToTurnIntransitive-AncestralClass3	viꝛe	v-e-rr-ay
ToTurnIntransitive-Torquere	tōdꝛ	t-euh-rr-d-rr
ToFall	ꝛwaꝛ	shh-w-ah-rr
ToFall-Tumbare	tōbe	t-on-b-ay

Appendix 5 - Word Lists by Language

ToGive-Donare	dɔne	d-euh-n-ay
ToHold	tɔnɪk	t-aah-n-e-rr
ToSqueeze	epkɛdɪk	ay-p-rr-ehnn-d-rr
ToSqueeze-Serare	seke	s-ay-rr-ay
ToSqueeze-Stringere	etkɛdɪk	ay-t-rr-ehnn-d-rr
ToRub	fɛɛje	f-rr-ehj-ay
ToRub-Frictare	fɛote	f-rr-oh-t-ay
ToWash	lave	l-ah-v-ay
ToWipe-Exsucare	esqije	ay-s-eu-e-jg-ay
ToPull	tɪke	t-e-rr-ay
ToPull-Pulsare	puse	p-u-s-ay
ToPull-Trahere	tɛɛk	t-rr-eh-rr
ToThrow	zɔte	gzah-aah-t-ay
ToThrow-Lanceare	lɔse	l-NasalA-s-ay
ToTie	lie	l-e-ay
ToSew	kudɪk	k-u-d-rr
ToCount	kɔte	k-on-t-ay
ToCount-Numerare	nɔbɛke	n-oon-b-rr-ay
ToSay	dɪk	d-e-rr
ToSing-AncestralClass	ʃɔte	shh-NasalA-t-ay
ToPlay-Jiocare	zwe	gzah-w-ay
ToFloat	flyktɛ	f-l-eeh-k-t-eu-ay
ToFlow	flye	f-l-eeh-ay
ToFlow-Colare	kule	k-u-l-ay
ToFlow-Currere	kukɪk	k-u-rr-e-rr
ToFreeze	zɔle	gzah-aah-l-ay
ToFreeze-Glaciare	glase	g-l-ah-s-ay
ToSwell	ɔfle	NasalA-f-l-ay
ToSwell-Conflare	gɔfle	g-on-f-l-ay
ToSwell-Crescere	kɛwatɪk	k-rr-w-ah-t-rr
ToBurn-Cremare	kɛame	k-rr-ah-m-ay
ToBurn-Flammare	flame	f-l-ah-m-ay
ToBurn-Ardere	akɪk	ah-rr-d-rr
ToBurn-Flagrare	flagke	f-l-ah-g-rr-ay
ToBurn-Incendere	ɛsɔdje	ehnn-s-NasalA-d-jg-ay
All-Totus	tu	t-u
Many	mu	m-u
Some	okɛ	oh-k-uuhn
Few	pɔ	p-uu
Other	otɪk	oh-t-rr
Big-Grandem	gɛɔ	g-rr-NasalA
Long-Longum	lɔ	l-oon
Long-Largum	laɛɜ	l-ah-rr-gzah
Wide	le	l-ay
Wide-Amplum	ɔpl	NasalA-p-l
Thick	gɛa	g-rr-a
Thick-Spissum	epe	ay-p-ay
Thick-Grossus	gɛo	g-rr-oh
Heavy	gɛijef	g-rr-e-jg-eh-f
Heavy-Lurdus	luɪk	l-u-rr
Small	pɔti	p-aah-t-e
Short	kukɪk	k-u-rr
Short-Brevis	bɛɛf	b-rr-eh-f
Narrow-Strictus	etɛwa	ay-t-rr-w-ah
Thin	mɔny	m-aah-n-eeh
Thin-Delicatus	du:ɜe:	d-U-gzah-ai
Warm	ʃo	shh-oh

Appendix 5 - Word Lists by Language

Cold	fɪwa	f-rr-w-ah
Full	plē	p-l-ehnn
New	nuvo	n-u-v-oh
Old	vjə	v-jg-uu
Good	bō	b-on
Bad	mal	m-ah-l
Straight	dɛwa	d-rr-w-ah
Round	ɾō	rr-on
Smooth-Nitidus	net	n-eh-t
Dry	sek	s-eh-k
Near-Pressus	pɛe	p-rr-ay
Near-Vicinus	vwazē	v-w-ah-zz-ehnn
Near-Circa	θerka	th-ay-er-k-ah
Far	lwētē	l-w-ehnn-t-ehnn
Left	sənɛstɪ	s-aah-n-eh-s-t-rr
Red	ɾu	rr-u
Red-Vermiculus	vɛɾmɛj	v-eh-rr-m-ehj
Red-Rubeus	ɾuʒ	rr-u-gzah
Green	vɛɾ	v-ay-rr
Yellow	ʒon	gzah-oh-n
One	œ	uuhn
Two-Duos	dø	d-uu
Three	tɛwa	t-rr-w-a
Four	katɪ	k-ah-t-rr
Five	sɛk	s-ehn-k
There	la	l-ah
Who-Qui	ki	k-e
What	kwa	k-w-ah
When-Quando	kā	k-NasalA
How-Quomodo	kɔmā	k-euh-m-NasalA
Not	nō	n-oon
Not-Nec	ni	n-e
At	a	ah
In-Deintus	dā	d-NasalA
With-Abhoc	avek	ah-v-ay-k
And-Et	e	ay
And-Si	si	s-e
Because-Quod	kə	k-aah

Spanish

Cognate	IPA	Sounds
I	jo	VdPalatalFricative-oh
We	nos	n-oh-s
YouPlural	bos	b-oh-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	usted	u-s-t-ay-d
Woman	embra	ay-m-b-er-ah
Woman-Mulier	muxer	m-u-xha-ay-er
Woman-Domina	dɔna	d-oh-VdPalatalNasal-ah
Child	infante	e-n-f-ah-n-t-ay
Child-Ninnus	nijo	n-e-VdPalatalNasal-oh
Wife	esposa	ay-s-p-oh-s-ah
Husband	mariđo	m-ah-er-e-dd-oh
Husband-Sponsus	esposo	ay-s-p-oh-s-oh
Mother	mađre	m-ah-dd-er-ay

Appendix 5 - Word Lists by Language

Father	paðre	p-ah-dd-er-ay
Father-Tata	tata	t-ah-t-ah
Animal	alimapa	ah-l-e-m-ah-VdPalatalNasal-ah
Fish-Piskem	peθ	p-ay-th
Bird-Avem	abe	ah-b-ay
Bird-Passerem	paxaro	p-ah-xha-ah-er-oh
Dog	kan	k-ah-n
Louse	pjoxo	p-jg-oh-xha-oh
Snake	serpjente	s-ay-er-p-jg-ay-n-t-ay
Worm	berme	b-ay-er-m-ay
Tree	arβol	ah-er-bb-oh-l
Forest	selba	s-ay-l-b-ah
Stick	palo	p-ah-l-oh
Fruit	fruto	f-er-u-t-oh
Seed-Sementis	simjente	s-e-m-jg-ay-n-t-ay
Seed-Granum	grano	g-er-ah-n-oh
Leaf	oxa	oh-xha-ah
Root	raiθ	r-ah-e-th
BarkOfATree-Corticea	korteθa	k-oh-er-t-ay-th-ah
Flower	flor	f-l-oh-er
Grass	jerba	VdPalatalFricative-ay-er-b-ah
Grass-Gramen	grama	g-er-ah-m-ah
Rope-Restis	rista	er-e-s-t-ah
Skin-Pellis	pjel	p-jg-ay-l
Meat	karne	k-ah-er-n-ay
Meat-Vivenda	bibjenda	b-e-b-jg-ay-n-d-ah
Blood	sangre	s-ah-nya-g-er-ay
Bone	weso	w-ay-s-oh
FatNoun-Crassia	grasa	g-er-ah-s-ah
Egg	webo	w-ay-b-oh
Horn	kwerno	k-w-ay-er-n-oh
Tail	kola	k-oh-l-ah
Feather	pluma	p-l-u-m-ah
Feather-Penna	pejna	p-ay-VdPalatalNasal-ah
Hair	pelo	p-ay-l-oh
Hair-Capillus	kabejo	k-ah-b-ay-VdPalatalFricative-oh
Head	kaβeθa	k-ah-bb-ay-th-ah
Ear	orexa	oh-er-ay-xha-ah
Eye	oxo	oh-xha-oh
Nose	naso	n-ah-s-oh
Nose-Nares	nariθ	n-ah-er-e-th
Mouth	boka	b-oh-k-ah
Mouth-Gula	gola	g-oh-l-ah
Tooth	djente	d-jg-ay-n-t-ay
Fingernail	upa	u-VdPalatalNasal-ah
Foot	pje	p-jg-ay
Leg-Gamba	gamba	g-ah-m-b-ah
Leg-Perna	pjerna	p-jg-ay-er-n-ah
Leg-Petiolus	peθiolo	p-ay-th-e-oh-l-oh
Knee-Geniculum	inoxo	e-n-oh-xha-oh
Hand	mano	m-ah-n-oh
Wing	ala	ah-l-ah
Belly	bjentre	b-jg-ay-n-t-er-ay
Belly-Pantex	panθa	p-ah-n-th-ah
Guts	entraña	ay-n-t-er-ah-VdPalatalNasal-ah
Neck	kwejo	k-w-ay-VdPalatalFricative-oh
Back-Spatula	espalda	ay-s-p-ah-l-d-ah

Appendix 5 - Word Lists by Language

Breast	seno	s-ay-n-oh
Breast-Pectus	peŋʰo	p-ay-ts-oh
Heart-Anima	alma	ah-l-m-ah
Liver	iyaðo	e-juh-ah-dd-oh
Sun	sol	s-oh-l
Moon	luna	l-u-n-ah
Star	estreja	ay-s-t-er-ay-VdPalatalFricative-ah
Water	aywa	ah-juh-w-ah
Rain	jubja	VdPalatalFricative-u-b-jg-ah
River-Rivus	rio	r-e-oh
Lake	lago	l-ah-g-oh
Sea	mar	m-ah-er
Salt	sal	s-ah-l
Stone-Petra	pjeðra	p-jg-ay-dd-er-ah
Stone-Lapidem	laude	l-ah-u-d-ay
Sand	arena	ah-er-ay-n-ah
Dust-Pulwus	polbo	p-oh-l-b-oh
Earth	tjera	t-jg-ay-r-ah
Cloud	nube	n-u-b-ay
Cloud-Nubilus	nublo	n-u-b-l-oh
Fog	kalina	k-ah-l-e-n-ah
Fog-Nebula	njebla	n-jg-ay-b-l-ah
Fog-Tenebras	tinjeblas	t-e-n-jg-ay-b-l-ah-s
Fog-Fumata	fumata	f-u-m-ah-t-ah
Sky	θjelo	th-jg-ay-l-oh
Wind	bjento	b-jg-ay-n-t-oh
Snow	njebe	n-jg-ay-b-ay
Ice	jelo	VdPalatalFricative-ay-l-oh
Smoke	umo	u-m-oh
Fire-Focus	fwego	f-w-ay-g-oh
Ash-Cinisia	θeniθa	th-ay-n-e-th-ah
Road	bia	b-e-ah
Road-Strata	estrada	ay-s-t-er-ah-d-ah
Road-Camminus	kamino	k-ah-m-e-n-oh
Mountain	monte	m-oh-n-t-ay
Mountain-Montanea	montapa	m-oh-n-t-ah-VdPalatalNasal-ah
Night	noŋe	n-oh-ts-ay
Day	dia	d-e-ah
Day-Diurnus	djurno	d-jg-u-er-n-oh
Day-Diurnata	xornada	xha-oh-er-n-ah-d-ah
Year	apo	ah-VdPalatalNasal-oh
Name-Nominem	nombre	n-oh-m-b-er-ay
Tongue	leggwa	l-ay-nya-g-w-ah
ToDrink	beber	b-ay-b-ay-er
ToEat	komer	k-oh-m-ay-er
ToEat-Manducare	mandukar	m-ah-n-d-u-k-ah-er
ToBite	morðer	m-oh-er-dd-ay-er
ToBite-Morsicare	moskar	m-oh-s-k-ah-er
ToSpit-Exconspuere	eskupir	ay-s-k-u-p-e-er
ToSpit-Sputare	esputar	ay-s-p-u-t-ah-er
ToBreathe	respirar	r-ay-s-p-e-er-ah-er
ToLaugh	reir	r-ay-e-er
ToSee	ber	b-ay-er
ToHear	oir	oh-e-er
ToKnow-Sapere	saber	s-ah-b-ay-er
ToKnow-Cognoscere	konoθer	k-oh-n-oh-th-ay-er
ToThink	kwidar	k-w-e-d-ah-er

Appendix 5 - Word Lists by Language

ToThink-Pensare	pensar	p-ay-n-s-ah-er
ToSmell-Sentire	sentir	s-ay-n-t-e-er
ToSmell-Olere	oler	oh-l-ay-er
ToFear	temer	t-ay-m-ay-er
ToFear-Tremere	tremere	t-er-ay-m-ay-er
ToSleep	dormir	d-oh-er-m-e-er
ToLive	bibir	b-e-b-e-er
ToDie	morir	m-oh-er-e-er
ToKill-Adnecare	anegar	ah-n-ay-g-ah-er
ToKill-Mactare	matar	m-ah-t-ah-er
ToFight	pupar	p-u-VdPalatalNasal-ah-er
ToFight-Battuere	batir	b-ah-t-e-er
ToHunt-Captiare	kaθar	k-ah-th-ah-er
ToHit	puxar	p-u-xha-ah-er
ToCut	segar	s-ay-g-ah-er
ToCut-Curtare	kortar	k-oh-er-t-ah-er
ToCut-Taliare	taxar	t-ah-xha-ah-er
ToSplit	dibidir	d-e-b-e-d-e-er
ToSplit-Findere	ender	ay-n-d-ay-er
ToSplit-Partire	partir	p-ah-er-t-e-er
ToSplit-Separare	separar	s-ay-p-ah-er-ah-er
ToScratch	raer	r-ah-ay-er
ToScratch-Rasare	rasar	r-ah-s-ah-er
ToScratch-Rasicare	raskar	r-ah-s-k-ah-er
ToDig-Cavare	kabar	k-ah-b-ah-er
ToDig-Excavare	eskabar	ay-s-k-ah-b-ah-er
ToSwim	nadar	n-ah-d-ah-er
ToSwim-Navigare	nabegar	n-ah-b-ay-g-ah-er
ToFly	bolar	b-oh-l-ah-er
ToWalk	kaminar	k-ah-m-e-n-ah-er
ToWalk-Ambitare	andar	ah-n-d-ah-er
ToCome	benir	b-ay-n-e-er
ToLieAsInABed	ekstender	ay-k-s-t-ay-n-d-ay-er
ToLieAsInABed-lacere	jaθer	VdPalatalFricative-ah-th-ay-er
ToSit	ser	s-ay-er
ToSit-Sedentare	sentar	s-ay-n-t-ah-er
ToStand	estar	ay-s-t-ah-er
ToStand-Levare	jebar	VdPalatalFricative-ay-b-ah-er
ToStand-Altiare	alθar	ah-l-th-ah-er
ToTurnIntransitive	tornar	t-oh-er-n-ah-er
ToTurnIntransitive-Gyrate	xirar	xha-e-er-ah-er
ToTurnIntransitive-AncestralClass3	birar	b-e-er-ah-er
ToTurnIntransitive-Torque	torθer	t-oh-er-th-ay-er
ToFall	kaer	k-ah-ay-er
ToFall-Tumbare	tumbar	t-u-m-b-ah-er
ToGive	dar	d-ah-er
ToGive-Donare	donar	d-oh-n-ah-er
ToHold	tener	t-ay-n-ay-er
ToHold-Segurar	segurar	s-ay-g-u-er-ah-er
ToSqueeze	ekspremir	ay-k-s-p-er-ay-m-e-er
ToSqueeze-Serrere	serar	s-ay-r-ah-er
ToSqueeze-Serare	θerar	th-ay-r-ah-er
ToSqueeze-Appetore	apretar	ah-p-er-ay-t-ah-er
ToSqueeze-Stringere	estrepir	ay-s-t-er-ay-VdPalatalNasal-e-er
ToRub	fregar	f-er-ay-g-ah-er
ToRub-Frictare	frotar	f-er-oh-t-ah-er
ToRub-Frictiare	frisar	f-r-e-s-ah-er

Appendix 5 - Word Lists by Language

ToWash	laþar	l-ah-bb-ah-er
ToWipe-Extergere	estarsir	ay-s-t-ah-er-s-e-er
ToWipe-Limpidare	limpjar	l-e-m-p-jg-ah-er
ToPull	tirar	t-e-er-ah-er
ToPull-Pulsare	puxar	p-u-xha-ah-er
ToThrow	eþfar	ay-ts-ah-er
ToThrow-Lanceare	lanθar	l-ah-n-th-ah-er
ToThrow-Eruncare	arankar	ah-r-ah-n-k-ah-er
ToTie	legar	l-ay-g-ah-er
ToTie-Aptare	atar	ah-t-ah-er
ToSew	koser	k-oh-s-ay-er
ToCount	kontar	k-oh-n-t-ah-er
ToSay	deθir	d-ay-th-e-er
ToSing-AncestralClass	kantar	k-ah-n-t-ah-er
ToPlay-Ludere	ludir	l-u-d-e-er
ToPlay-Jiocare	xugar	xha-u-g-ah-er
ToFloat	flugtwar	f-l-u-g-t-w-ah-er
ToFlow	fluir	f-l-u-e-er
ToFlow-Colare	kolar	k-oh-l-ah-er
ToFlow-Excurrere	eskurir	ay-s-k-u-r-e-er
ToFlow-Currere	korer	k-oh-r-ay-er
ToFreeze	elar	ay-l-ah-er
ToSwell	inþfar	e-n-ts-ah-er
ToSwell-Intumescere	entumeθer	ay-n-t-u-m-ay-th-ay-er
ToSwell-Crescere	kreθer	k-er-ay-th-ay-er
ToBurn-Cremare	kemar	k-ay-m-ah-er
ToBurn-Ardere	arder	ah-er-d-ay-er
ToBurn-Flagrare	flagrar	f-l-ah-g-er-ah-er
ToBurn-Incendere	enθender	ay-n-th-ay-n-d-ay-er
All-Totus	todo	t-oh-d-oh
Many	muþfo	m-u-ts-oh
Many-Tantus	tanto	t-ah-n-t-oh
Some	alguno	ah-l-g-u-n-oh
Few	poko	p-oh-k-oh
Other	otro	oh-t-er-oh
Big	mapo	m-ah-VdPalatalNasal-oh
Big-Grandem	grande	g-er-ah-n-d-ay
Long-Longum	longo	l-oh-n-g-oh
Long-Largum	laryo	l-ah-er-juh-oh
Wide	lato	l-ah-t-oh
Wide-Amplum	anþfo	ah-n-ts-oh
Thick	graso	g-er-ah-s-oh
Thick-Spissum	espeso	ay-s-p-ay-s-oh
Thick-Gurдум	gordo	g-oh-er-d-oh
Heavy	grabe	g-er-ah-b-ay
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Small-Pittinus	pekeþo	p-ay-k-ay-VdPalatalNasal-oh
Short	korto	k-oh-er-t-oh
Short-Brevis	brebe	b-er-ay-b-ay
Narrow	angosto	ah-n-g-oh-s-t-oh
Narrow-Strictus	estreþfo	ay-s-t-er-ay-ts-oh
Thin	menudo	m-ay-n-u-d-oh
Thin-Delicatus	delyaðo	d-ay-l-juh-ah-dd-oh
Thin-Subtilis	sutil	s-u-t-e-l
Warm	kaldo	k-ah-l-d-oh
Cold	frio	f-er-e-oh
Cold-Recens	reθjente	r-ay-th-jg-ay-n-t-ay

Appendix 5 - Word Lists by Language

Full	leno	yuh-ay-n-oh
New	nweβo	n-w-ay-bb-oh
Old	bjexo	b-jg-ay-xha-oh
Good	bweno	b-w-ay-n-oh
Bad	malo	m-ah-l-oh
Rotten	poðriðo	p-oh-dd-er-e-dd-oh
Rotten-Putrem	poðre	p-oh-dd-er-ay
Dirty	sordido	s-oh-er-d-e-d-oh
Round	redondo	r-ay-d-oh-n-d-oh
SharpAsAKnife	ayuðo	ah-juh-u-dd-oh
Smooth-Nitidus	niðio	n-e-dd-e-oh
Dry	seko	s-ay-k-oh
Near	proximo	p-er-oh-xha-e-m-oh
Near-Vicinus	beθino	b-ay-th-e-n-oh
Right-Dextrem	djestro	d-jg-ay-s-t-er-oh
Left	sinjestro	s-e-n-jg-ay-s-t-er-oh
Red	roxo	r-oh-xha-oh
Red-Vermiculus	bermexo	b-ay-er-m-ay-xha-oh
Red-Rubeus	rubjo	r-u-b-jg-oh
Green	berde	b-ay-er-d-ay
Yellow-Amarellus	amarijo	ah-m-ah-er-e-VdPalatalFricative-oh
White	albo	ah-l-b-oh
One	uno	u-n-oh
Two-Duos	dos	d-oh-s
Three	tres	t-er-ay-s
Four	kwatro	k-w-ah-t-er-oh
Five	θinko	th-e-n-k-oh
Here	aki	ah-k-e
There	aja	ah-VdPalatalFricative-ah
There-Adlbi	ai	ah-e
Who-Quem	kjen	k-jg-ay-n
What	ke	k-ay
When-Quando	kwando	k-w-ah-n-d-oh
How-Quomodo	komo	k-oh-m-oh
Not	no	n-oh
Not-Nec	ni	n-e
At	a	ah
In-In	en	ay-n
With-Cum	kon	k-oh-n
And-Et	i	e
And-Si	si	s-e
Because-Quod	ke	k-ay

Italian

Cognate	IPA	Sounds
I	io	e-oh
We	no:i	n-O-e
YouPlural	vo:i	v-O-e
YouSingular	tu	t-u
Woman	femmina	f-ay-m-m-e-n-ah
Woman-Mulier	moʎʎe	m-oh-yuh-yuh-ay
Woman-Domina	donna	d-euh-n-n-ah
Child	fante	f-ah-n-t-ay
Child-Ninnus	nino	n-e-n-oh
Wife	spoza	s-p-euh-zz-ah

Appendix 5 - Word Lists by Language

Husband	marito	m-ah-r-e-t-oh
Husband-Sponsus	spozo	s-p-euh-zz-oh
Husband-Socius	sotfo	s-euh-ts-oh
Mother	ma:dre	m-A-d-r-ay
Father	pa:dre	p-A-d-r-ay
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	biſſa	b-e-shh-shh-ah
Fish-Piskem	peſſe	p-ay-shh-shh-ay
Bird-Avicellum	utſello	u-t-ts-eh-l-l-oh
Bird-Passerem	passero	p-ah-s-s-ay-r-oh
Dog	kane	k-ah-n-ay
Louse	pidokkjo	p-e-d-euh-k-k-jg-oh
Snake	serpente	s-ay-r-p-ay-n-t-ay
Worm	verme	v-ay-r-m-ay
Tree	albero	ah-l-b-ay-er-oh
Forest	selva	s-ay-l-v-ah
Stick	palo	p-ah-l-oh
Fruit	frutto	f-r-u-t-t-oh
Seed	seme	s-ay-m-ay
Seed-Sementis	semente	s-ay-m-ay-n-t-ay
Seed-Granum	grano	g-r-ah-n-oh
Leaf	folia	f-euh-yuh-yuh-ah
Leaf-Frondea	fronda	f-r-oh-n-VdPalatoAlveolarAffricate-ah
Root-Radix	radix	r-ah-d-E-ts-ay
BarkOfATree	kortix	k-oh-r-t-e-ts-ay
BarkOfATree-Corticea	kortetja	k-oh-r-t-ay-t-ts-ah
BarkOfATree-Skortea	skortsa	s-k-euh-r-VlAlveolarSibilantAffricate-ah
Flower	flore	f-jg-O-er-ay
Grass	erba	eh-r-b-ah
Rope	fune	f-u-n-ay
Rope-Restis	resta	r-eh-s-t-ah
Skin	kotenna	k-oh-t-ay-n-n-ah
Skin-Pellis	pelle	p-ay-l-l-ay
Meat	karne	k-ah-r-n-ay
Meat-Vivenda	vivanda	v-e-v-ah-n-d-ah
Blood	sangwe	s-ah-n-g-w-ay
Bone	osso	euh-s-s-oh
FatNoun	adipe	ah-d-e-p-ay
Egg	wovo	w-euh-v-oh
Horn	korno	k-euh-r-n-oh
Tail	koda	k-oh-d-ah
Feather	puma	p-jg-u-m-ah
Feather-Penna	penna	p-ay-n-n-ah
Hair	pelo	p-ay-l-oh
Hair-Capillus	kapello	k-ah-p-ay-l-l-oh
Head	kavetssa	k-ah-v-ay-t-t-s-ah
Head-Testa	testa	t-eh-s-t-ah
Ear	orekkja	oh-r-ay-k-k-jg-ah
Eye	okkjo	euh-k-k-jg-oh
Nose	na:so	n-A-s-oh
Nose-Nares	nariſe	n-ah-r-e-ts-ay
Mouth	bokka	b-oh-k-k-ah
Mouth-Gula	gola	g-oh-l-ah
Tooth	dente	d-eh-n-t-ay
Fingernail	ungja	u-n-g-jg-ah
Foot	pje:de	p-jg-Eh-d-ay
Leg-Gamba	gamba	g-ah-m-b-ah

Appendix 5 - Word Lists by Language

Leg-Perna	perno	p-eh-r-n-oh
Leg-Petiolus	pitʃɔlo	p-e-t-ts-euh-l-oh
Knee-Geniculum	dʒinakkjo	VdPalatoAlveolarSibilant-e-n-euh-k-k-jg-oh
Hand	ma:no	m-A-n-oh
Wing	ala	ah-l-ah
Belly-Pantex	pantʃa	p-ah-n-ts-ah
Neck	kollo	k-oh-l-l-oh
Back	dɔsso	d-euh-s-s-oh
Back-Spatula	spalla	s-p-ah-l-l-ah
Breast	seno	s-ay-n-oh
Breast-Pectus	petto	p-eh-t-t-oh
Heart	kwɔre	k-w-euh-r-ay
Heart-Anima	alma	ah-l-m-ah
Liver	fegato	f-ay-g-ah-t-oh
Sun	sole	s-oh-l-ay
Moon	luna	l-u-n-ah
Star	stella	s-t-ay-l-l-ah
Water	akkwa	ah-k-k-w-ah
Rain	pjoddʒa	p-jg-oh-d-VdPalatoAlveolarSibilant-ah
River	fjume	f-jg-u-m-ay
River-Rivus	rio	r-e-oh
Lake	laɔo	l-ah-g-oh
Sea	mare	m-ah-r-ay
Salt	sale	s-ah-l-ay
Stone	sasso	s-ah-s-s-oh
Stone-Petra	pje:tra	p-jg-ai-t-r-ah
Stone-Lapidem	lapide	l-ah-p-e-d-ay
Sand-Sabula	sabbja	s-ah-b-b-jg-ah
Dust	polvere	p-oh-l-v-ay-r-ay
Earth	terra	t-eh-r-r-ah
Cloud	nube	n-u-b-ay
Cloud-Nubilus	nuvola	n-u-v-oh-l-ah
Fog	kalidʒine	k-ah-l-e-VdPalatoAlveolarSibilant-e-n-ay
Fog-Nebula	nebbja	n-ay-b-b-jg-ah
Fog-Tenebrae	tɛ:nebre	t-Eh-n-ay-b-r-ay
Fog-Tenebras	tɛ:nebre	t-Eh-n-ay-b-r-ay
Fog-Fumata	fuma:ta	f-u-m-A-t-ah
Sky	ʃfelo	ts-eh-l-oh
Wind	vento	v-eh-n-t-oh
Snow	neve	n-ay-v-ay
Ice	dʒelo	VdPalatoAlveolarSibilant-eh-l-oh
Ice-Glacies	gʒatʃa	g-jg-ah-t-ts-ah
Smoke	fumo	f-u-m-oh
Fire-Focus	fwɔko	f-w-euh-k-oh
Ash	ʃfenere	ts-ay-n-ay-r-ay
Road	via	v-e-ah
Road-Strata	strada	s-t-r-ah-d-ah
Road-Camminus	kammino	k-ah-m-m-e-n-oh
Mountain	monte	m-oh-n-t-ay
Mountain-Montanea	montapɲa	m-oh-n-t-ah-VdPalatalNasal-VdPalatalNasal-ah
Night	notte	n-euh-t-t-ay
Day	di	d-e
Day-Diurnus	dʒorno	VdPalatoAlveolarSibilant-oh-r-n-oh
Day-Diurnata	dʒornata	VdPalatoAlveolarSibilant-oh-r-n-ah-t-ah
Year	anno	ah-n-n-oh
Name-Nomen	no:me	n-O-m-ay
Tongue	lingwa	l-e-n-g-w-ah

Appendix 5 - Word Lists by Language

ToDrink	bere	b-ay-er-ay
ToEat-Manducare	mandʒare	m-ah-n-VdPalatoAlveolarSibilant-ah-er-ay
ToBite	mordere	m-euh-r-d-ay-r-ay
ToBite-Morsicare	morsikare	m-oh-r-s-e-k-ah-er-ay
ToSpit-Sputare	sputare	s-p-u-t-ah-er-ay
ToVomit	vomere	v-euh-m-ay-r-ay
ToBlow	soffjare	s-oh-f-f-jg-ah-r-ay
ToBreathe	respirare	r-ay-s-p-e-r-ah-er-ay
ToLaugh	ri:dere	r-E-d-ay-er-ay
ToSee	vedere	v-ay-d-ay-er-ay
ToHear	udire	u-d-e-er-ay
ToKnow-Sapere	sapere	s-ah-p-ay-r-ay
ToKnow-Cognoscere	konoʃfere	k-oh-n-oh-shh-shh-ay-r-ay
ToThink	kodʒitare	k-oh-VdPalatoAlveolarSibilant-e-t-ah-r-ay
ToThink-Pensare	pensare	p-ay-n-s-ah-er-ay
ToSmell-Sentire	sentire	s-ay-n-t-e-r-ay
ToSmell-Olere	olire	oh-l-e-r-ay
ToSmell-Odorare	odorare	oh-d-oh-r-ah-r-ay
ToSmell-Fragrare	fragrare	f-r-ah-g-r-ah-r-ay
ToFear	temere	t-ay-m-ay-r-ay
ToFear-Tremere	tremare	t-r-ay-m-ah-r-ay
ToSleep	dormire	d-oh-r-m-e-r-ay
ToLive	vivere	v-e-v-ay-r-ay
ToDie	morire	m-oh-r-e-r-ay
ToKill-Adnecare	annegare	ah-n-n-ay-g-ah-r-ay
ToKill-Occidere	utʃidere	u-t-ts-e-d-ay-er-ay
ToFight	pugnare	p-u-VdPalatalNasal-VdPalatalNasal-ah-r-ay
ToFight-Battuere	battere	b-ah-t-t-ay-r-ay
ToHunt-Captiare	kattjare	k-ah-t-ts-ah-r-ay
ToHit	pulsare	p-u-l-s-ah-r-ay
ToCut	segare	s-ay-g-ah-r-ay
ToCut-Excurtare	skortare	s-k-oh-r-t-ah-r-ay
ToCut-Taliare	taʎʎa:re	t-ah-yuh-yuh-A-r-ay
ToSplit	dividere	d-e-v-e-d-ay-r-ay
ToSplit-Scindere	ʃindere	shh-e-n-d-ay-r-ay
ToSplit-Findere	fendere	f-eh-n-d-ay-r-ay
ToSplit-Partire	partire	p-ah-r-t-e-r-ay
ToSplit-Separare	separare	s-ay-p-ah-r-ah-r-ay
ToStab	pundʒere	p-u-n-VdPalatoAlveolarSibilant-ay-r-ay
ToStab-Iugulare	jugula:re	jg-u-g-u-l-A-r-ay
ToScratch	radere	r-ah-d-ay-r-ay
ToScratch-Rasare	rasare	r-ah-s-ah-r-ay
ToDig-Cavare	kavare	k-ah-v-ah-r-ay
ToDig-Excavare	skavare	s-k-ah-v-ah-r-ay
ToSwim	nwotare	n-w-oh-t-ah-er-ay
ToSwim-Navigare	navigare	n-ah-v-e-g-ah-r-ay
ToFly	volare	v-oh-l-ah-er-ay
ToFly-Exvolare	zzolare	zz-v-oh-l-ah-er-ay
ToWalk	kamminare	k-ah-m-m-e-n-ah-er-ay
ToWalk-Mergere	merdʒere	m-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWalk-Ambitare	andare	ah-n-d-ah-r-ay
ToCome	venire	v-ay-n-e-er-ay
ToLieAsInABed	estendere	ay-s-t-eh-n-d-ay-r-ay
ToLieAsInABed-lacere	dʒaʃe:re	VdPalatoAlveolarSibilant-ah-ts-ai-er-ay
ToSit	sedere	s-ay-d-ay-r-ay
ToStand	stare	s-t-ah-r-ay
ToStand-Levare	levare	l-ay-v-ah-r-ay

Appendix 5 - Word Lists by Language

ToStand-Altiare	altsare	ah-l-VIAlveolarSibilantAffricate-ah-r-ay
ToTurnIntransitive	tornare	t-oh-r-n-ah-r-ay
ToTurnIntransitive-Gyrate	dʒirare	VdPalatoAlveolarSibilant-e-r-ah-er-ay
ToTurnIntransitive-AncestralClass3	virare	v-e-r-ah-er-ay
ToTurnIntransitive-Torque	tɔrʃere	t-euh-r-ts-ay-r-ay
ToFall	kadere	k-ah-d-ay-er-ay
ToGive	dare	d-ah-r-ay
ToGive-Donare	donare	d-oh-n-ah-r-ay
ToHold	tenere	t-ay-n-ay-er-ay
ToSqueeze	spremere	s-p-r-eh-m-ay-r-ay
ToSqueeze-Serare	serrare	s-ay-r-r-ah-r-ay
ToSqueeze-Stringere	strindʒere	s-t-r-e-n-VdPalatoAlveolarSibilant-ay-r-ay
ToRub	fregare	f-r-ay-g-ah-r-ay
ToRub-Frictare	frettare	f-r-ay-t-t-ah-r-ay
ToWash	lavare	l-ah-v-ah-r-ay
ToWipe	terdʒere	t-eh-r-VdPalatoAlveolarSibilant-ay-r-ay
ToWipe-Exsucare	aʃʃugare	ah-shh-shh-u-g-ah-r-ay
ToPull	tirare	t-e-r-ah-r-ay
ToPull-Pulsare	pulsare	p-u-l-s-ah-r-ay
ToPull-Trahere	trarre	t-r-ah-r-r-ay
ToPush	impindʒere	e-m-p-e-n-VdPalatoAlveolarSibilant-ay-r-ay
ToThrow	dʒettare	VdPalatoAlveolarSibilant-ay-t-t-ah-r-ay
ToThrow-Lanceare	lanʃare	l-ah-n-ts-ah-r-ay
ToThrow-Eruncare	arronʃare	ah-r-r-oh-n-ts-ah-r-ay
ToTie	legare	l-ay-g-ah-r-ay
ToSew	kutʃire	k-u-ts-e-r-ay
ToCount	kontare	k-oh-n-t-ah-r-ay
ToCount-Numerare	noverare	n-oh-v-ay-r-ah-r-ay
ToSay	dire	d-e-r-ay
ToSay-Exponere	sporre	s-p-oh-r-r-ay
ToSing-AncestralClass	kantare	k-ah-n-t-ah-r-ay
ToPlay-Jiocare	dʒokare	VdPalatoAlveolarSibilant-oh-k-ah-r-ay
ToFloat	fluttuare	f-l-u-t-t-u-ah-r-ay
ToFloat-Fluitare	fluitare	f-l-u-e-t-ah-r-ay
ToFlow	fluire	f-l-u-e-r-ay
ToFlow-Colare	kolare	k-oh-l-ah-r-ay
ToFlow-Excurrere	skorrere	s-k-oh-r-r-ay-r-ay
ToFlow-Currere	korrere	k-oh-r-r-ay-r-ay
ToFreeze	dʒelare	VdPalatoAlveolarSibilant-ay-l-ah-r-ay
ToFreeze-Glaciare	gʒatʃʃare	g-jg-ah-t-ts-jg-ah-r-ay
ToSwell	enfiare	ay-n-f-e-ah-r-ay
ToSwell-Conflare	gonʃare	g-oh-n-f-jg-ah-r-ay
ToSwell-Crescere	kreʃʃere	k-r-ay-shh-shh-ay-r-ay
ToBurn-Cremare	kremare	k-r-ay-m-ah-r-ay
ToBurn-Flammare	fjammare	f-jg-ah-m-m-ah-r-ay
ToBurn-Ardere	ardere	ah-r-d-ay-r-ay
ToBurn-Flagrare	flagrare	f-l-ah-g-r-ah-r-ay
ToBurn-Incendere	infendʒare	e-n-ts-eh-n-d-jg-ah-r-ay
ToBurn-Ustulare	ustolare	u-s-t-oh-l-ah-r-ay
All	op̃ni	oh-VdPalatalNasal-VdPalatalNasal-e
All-Totus	tutto	t-u-t-t-oh
Many	molto	m-oh-l-t-oh
Many-Tantus	tanto	t-ah-n-t-oh
Some	alkuno	ah-l-k-u-n-oh
Few	poko	p-euh-k-oh
Other	altro	ah-l-t-r-oh
Big	map̃po	m-ah-VdPalatalNasal-VdPalatalNasal-oh

Appendix 5 - Word Lists by Language

Big-Grandem	grande	g-r-ah-n-d-ay
Long-Longum	lungo	l-u-n-g-oh
Long-Largum	largo	l-ah-r-g-oh
Wide	lato	l-ah-t-oh
Wide-Amplum	ampjo	ah-m-p-jg-oh
Thick	grasso	g-r-ah-s-s-oh
Thick-Spissum	spesso	s-p-ay-s-s-oh
Thick-Grossus	grasso	g-r-euh-s-s-oh
Heavy	grave	g-r-eh-v-ay
Heavy-Lurdus	lordo	l-oh-r-d-oh
Small-Pittinus	pittino	p-e-t-ts-e-n-oh
Small-Pitulus	pikkolo	p-e-k-k-oh-l-oh
Short	korto	k-oh-r-t-oh
Short-Brevis	breve	b-r-eh-v-ay
Narrow	angusto	ah-n-g-u-s-t-oh
Narrow-Strictus	stretto	s-t-r-ay-t-t-oh
Thin	minuto	m-e-n-u-t-oh
Thin-Delicatus	delikato	d-ay-l-e-k-ah-t-oh
Thin-Subtilis	sottile	s-oh-t-t-e-l-ay
Warm	kaldo	k-ah-l-d-oh
Cold	freddo	f-r-ay-d-d-oh
Cold-Recens	refrente	r-ay-ts-eh-n-t-ay
Full	pieno	p-jg-Eh-n-oh
New	novo	n-euh-v-oh
Old	vekkjo	v-eh-k-k-jg-oh
Good	bueno	b-w-LongOpenMidBackRounded-n-oh
Bad	malo	m-ah-l-oh
Rotten	putrido	p-u-t-r-e-d-oh
Dirty	sordido	s-euh-r-d-e-d-oh
Dirty-Spurcus	sporko	s-p-euh-r-k-oh
Straight	dritto	d-r-e-t-t-oh
Round	ritondo	r-e-t-oh-n-d-oh
DullAsAKnife	ebete	eh-b-ay-t-ay
DullAsAKnife-Retusus	retuzo	r-ay-t-u-zz-oh
Smooth	soave	s-oh-ah-v-ay
Smooth-Nitidus	netto	n-ay-t-t-oh
Wet	umido	u-m-e-d-oh
Dry	sekko	s-ay-k-k-oh
Correct	korretto	k-oh-r-r-ay-t-t-oh
Near	prossimo	p-r-euh-s-s-e-m-oh
Near-Pressus	presso	p-r-eh-s-s-oh
Near-Vicinus	vicino	v-e-ts-e-n-oh
Far	lontano	l-oh-n-t-ah-n-oh
Right-Dextrem	dextro	d-eh-s-t-r-oh
Left	sinestro	s-e-n-ay-s-t-r-oh
Red	rosso	r-oh-s-s-oh
Red-Vermiculus	vermicello	v-ay-r-m-e-yuh-yuh-oh
Red-Rubeus	robbjo	r-euh-b-b-jg-oh
Green	verde	v-ay-r-d-ay
Yellow-Croceus	kroffeo	k-r-oh-ts-ay-oh
White	albo	ah-l-b-oh
One	uno	u-n-oh
Two-Duae	due	d-u-ay
Three	tre	t-r-ay
Four	kwattro	k-w-ah-t-t-r-oh
Five	finque	ts-e-nya-k-w-ay
Here	kwi	k-w-e

Appendix 5 - Word Lists by Language

There	la	l-ah
There-Ibi	vi	v-e
Who-Qui	ki	k-e
What	ke	k-ay
When-Quando	kwando	k-w-ah-n-d-oh
How-Quomodo	kome	k-oh-m-ay
Not	non	n-oh-n
Not-Nec	ne	n-ay
At	a	ah
In-In	in	e-n
With-Cum	kon	k-oh-n
And-Et	e	ay
And-Si	si	s-e
Because-Quod	ke	k-ay

Brazilian Portuguese

Cognate	IPA	Sounds
I	ew	ay-w
We	nɔjs	n-mid_low_diphthong-s
YouPlural	vɔjs	v-mid_low_diphthong-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	vose	v-oh-s-ay
Woman	femeɐ	f-ay-m-ay-ahh
Woman-Mulier	mulɛɐ	m-u-yuh-ay-rr
Woman-Domina	done	d-oh-n-ahh
Child	ĩfɛʃĩ	een-f-ahn-ts-e
Child-Ninnus	nenẽj	n-ay-n-ehnj
Wife	ispoza	e-s-p-oh-zz-ah
Husband	maridu	m-ah-er-e-d-u
Husband-Sponsus	ispozu	e-s-p-oh-zz-u
Mother	mẽj	m-ahnjn
Father	paj	p-aj
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	biʃɛ	b-e-shh-ahh
Fish-Piskem	pejʃĩ	p-ayj-shh-e
Bird-Avem	avi	ah-v-e
Bird-Passerem	pasɛru	p-ah-s-ahh-er-u
Dog	kẽw̃	k-au_diphthong_nasal
Louse	pioʎu	p-e-oh-yuh-u
Snake	sɛɐpẽʃĩ	s-ay-rr-p-ehn-ts-e
Worm	veɾmi	v-ay-rr-m-e
Tree	akvori	ah-rr-v-oh-er-e
Forest	sɛwva	s-eh-w-v-ah
Stick	paw	p-ah-w
Fruit	frutɛ	f-er-u-t-ahh
Seed-Sementis	semẽʃĩ	s-ay-m-ehn-ts-e
Seed-Granum	grẽw̃	g-er-au_diphthong_nasal
Leaf	foʎɛ	f-oh-yuh-ahh
Leaf-Frondea	frõsɛ	f-er-on-s-ahh
Root	ɾais	rr-ah-e-s
BarkOfATree	kɔɾʃisi	k-euh-rr-ts-e-s-e
BarkOfATree-Corticea	kɔɾʃisɛ	k-oh-rr-ts-e-s-ahh
Flower	floɾ	f-l-oh-rr
Grass	ɛɾvɛ	ay-rr-v-ahh
Grass-Gramen	grẽmɛ	g-er-ahn-m-ahh

Appendix 5 - Word Lists by Language

Rope-Restis	ʁɛʃʃi	rr-eh-shh-ts-e
Skin	kodʒiɐ	k-oh-VdPalatoAlveolarSibilant-e-ahh
Skin-Pellis	peli	p-eh-l-e
Meat	kʁni	k-ah-rr-n-e
Meat-Vivenda	vivɛda	v-e-v-ehn-d-ah
Blood	sɛgi	s-ahn-g-e
Bone	osu	oh-s-u
FatNoun-Crassia	ɡrafɐ	g-er-ah-shh-ahh
Egg	ovu	oh-v-u
Horn	koxnu	k-oh-rr-n-u
Tail	kaudɐ	k-au-d-ahh
Feather-Penna	pɛnɐ	p-ay-n-ahh
Hair	pelu	p-ay-l-u
Hair-Capillus	kabelu	k-ah-b-ay-l-u
Head	kabɛsɐ	k-ah-b-ay-s-ahh
Head-Testa	tɛstɐ	t-eh-s-t-ahh
Ear	oreʎɐ	oh-er-ay-yuh-ahh
Eye	oʎu	oh-yuh-u
Nose-Nares	naris	n-ah-er-e-s
Mouth	bokɐ	b-oh-k-ahh
Tooth	dɛʃʃi	d-ehn-ts-e
Fingernail	uɲɐ	u-VdPalatalNasal-ahh
Foot	pɛ	p-eh
Leg-Perna	pɛɲnɐ	p-eh-rr-n-ahh
Knee-Genuculum	ʒueʎu	gzah-u-ay-yuh-u
Hand	mɛw̃	m-au_diphthong_nasal
Wing	a	ah
Belly-Pantex	pɛsɐ	p-ahn-s-ahh
Guts	itɾɛɲɐ	een-t-er-ahn-VdPalatalNasal-ahh
Neck	kɔlu	k-euh-l-u
Back-Spatula	ifpadwɐ	e-shh-p-ah-d-w-ahh
Breast	seju	s-ayj-u
Breast-Pectus	pejtu	p-ayj-t-u
Heart	kɔɤ	k-euh-rr
Heart-Anima	awmɐ	ah-w-m-ahh
Liver	figɛdu	f-e-g-ahh-d-u
Sun	sɔw	s-euh-w
Moon	luɐ	l-u-ahh
Star	istɾelɐ	e-s-t-er-ay-l-ahh
Water	agwɐ	ah-g-w-ahh
Rain	ʃuvɐ	shh-u-v-ahh
River	flumi	f-l-u-m-e
River-Rivus	ɤiw	rr-e-w
Lake	lagu	l-ah-g-u
Sea	maɤ	m-ah-rr
Salt	saw	s-ah-w
Stone	sejʃu	s-ayj-shh-u
Stone-Petra	pedɾɐ	p-ay-d-er-ahh
Sand	arejɐ	ah-er-ayj-ahh
Sand-Sabulum	sajβɾu	s-aj-bb-er-u
Dust-Pulwus	pɔ	p-euh
Earth	tɛɤ	t-ay-rr-ahh
Cloud	nuvɛj̃	n-u-v-ehnj
Fog	kaliʒɛj̃	k-ah-l-e-gzah-ehnj
Fog-Nebula	nɛvwɐ	n-eh-v-w-ahh
Fog-Tenebras	tɾɛvɐ	t-er-eh-v-ahh-s
Fog-Fumata	fumɛɤ	f-u-m-ah-s-ahh

Appendix 5 - Word Lists by Language

Sky	sew	s-eh-w
Wind	vētu	v-ehn-t-u
Snow	nevi	n-eh-v-e
Smoke	fumu	f-u-m-u
Fire-Focus	fogu	f-oh-g-u
Ash-Cinisia	sīze	s-een-zz-ahh
Road	viē	v-e-ahh
Road-Strata	istrade	e-s-t-er-ah-d-ahh
Road-Camminus	kamīnu	k-ah-m-een-VdPalatalNasal-u
Mountain	mōtji	m-on-ts-e
Mountain-Montanea	mōtjē	m-on-t-ahn-VdPalatalNasal-ahh
Night	nojti	n-oj_diphthong-t-eee
Day	diē	d-e-ahh
Day-Diurna	zōna	gzah-cuh-rr-n-ah
Year	enu	ahh-n-u
Name-Nomen	nomi	n-oh-m-e
Tongue	liḡwe	l-een-g-w-ahh
ToDrink	bebeḡ	b-ay-b-ay-rr
ToEat	kome	k-oh-m-ay
ToEat-Manducare	mēzaḡ	m-ahn-gzah-ah-rr
ToBite	moḡdeḡ	m-oh-rr-d-ay-rr
ToBite-Morsicare	musəga	m-u-s-aah-g-ah
ToSuck	sugaḡ	s-u-g-ah-rr
ToSpit	kuspiḡ	k-u-s-p-e-rr
ToBreathe	ḡespiḡar	rr-ay-s-p-e-er-ah-er
ToLaugh	ḡiḡ	rr-e-rr
ToSee	veḡ	v-ay-rr
ToHear	owviḡ	oh-w-v-e-rr
ToKnow-Sapere	sabeḡ	s-ah-b-ay-rr
ToKnow-Cognoscere	koḡeseḡ	k-oh-VdPalatalNasal-ay-s-ay-rr
ToThink	kuḡzitaḡ	k-u-gzah-e-t-ah-rr
ToThink-Pensare	pēsḡ	p-ehn-s-ah-rr
ToSmell-Sentire	sēḡjiḡ	s-ehn-ts-e-rr
ToSmell-Fragrare	ḡejraḡ	shh-ayj-er-ah-rr
ToFear	temeḡ	t-ay-m-ay-rr
ToFear-Tremere	tremeḡ	t-er-ay-m-ay-rr
ToSleep	doḡmiḡ	d-oh-rr-m-e-rr
ToLive	viveḡ	v-e-v-ay-rr
ToDie	moḡeḡ	m-oh-rr-ay-rr
ToKill-Mactare	mataḡ	m-ah-t-ah-rr
ToFight-Battuere	bateḡ	b-ah-t-ay-rr
ToHunt-Captiare	kasḡ	k-ah-s-ah-rr
ToHit	puḡfaḡ	p-u-shh-ah-rr
ToCut	segaḡ	s-ay-g-ah-rr
ToCut-Curtare	koḡtaḡ	k-oh-rr-t-ah-rr
ToCut-Taliare	taḡlaḡ	t-ah-yuh-ah-rr
ToSplit	ḡziḡvidḡziḡ	VdPalatoAlveolarSibilant-e-v-e-VdPalatoAlveolarSibilant-e-rr
ToSplit-Findere	fēdeḡ	f-ehn-d-ay-rr
ToSplit-Partire	paḡtjiḡ	p-ah-rr-ts-e-rr
ToSplit-Separare	separaḡ	s-ay-p-ah-er-ah-rr
ToStab	pūḡziḡ	p-ooo-gzah-e-rr
ToScratch	ḡaeḡ	rr-ah-ay-rr
ToScratch-Rasare	ḡazaḡ	rr-ah-zz-ah-rr
ToScratch-Rasicare	ḡaḡkaḡ	rr-ah-shh-k-ah-rr
ToScratch-Coctiare	koḡsaḡ	k-oh-s-ah-VdRetroflexApproximant
ToDig-Cavare	keḡvaḡ	k-ahh-v-ah-rr
ToDig-Excavare	iḡkeḡvaḡ	e-shh-k-ahh-v-ah-rr

Appendix 5 - Word Lists by Language

ToSwim	nadaɤ	n-ah-d-ah-rr
ToSwim-Navigare	naviɣaɤ	n-ah-v-eee-juh-ah-rr
ToFly	voaɤ	v-oh-ah-rr
ToWalk	kəmiɲaɤ	k-ahh-m-e-VdPalatalNasal-ah-rr
ToWalk-Ambitare	ẽdaɤ	ahn-d-ah-rr
ToCome	viɤ	v-e-rr
ToLieAsInABed	istẽdeɤ	e-s-t-ehn-d-ay-rr
ToLieAsInABed-lacere	zəzeɤ	gzah-ahh-zz-ay-rr
ToSit	seɤ	s-ay-rr
ToSit-Sedentare	sẽtar	s-ehn-t-ah-er
ToStand	iftar	eee-shh-t-ah-er
ToStand-Levare	levaɤ	l-ay-v-ah-rr
ToStand-Altiare	aɭsa	ah-ssha-s-ah
ToTurnIntransitive	toɲnaɤ	t-oh-rr-n-ah-rr
ToTurnIntransitive-Gyrare	ziɾar	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	viɾar	v-e-er-ah-er
ToTurnIntransitive-Torquere	turser	t-u-r-s-ay-r
ToFall	kəiɾ	k-ahh-e-er
ToFall-Tumbare	tõbaɤ	t-on-b-ah-rr
ToGive	daɤ	d-ah-rr
ToGive-Donare	doa	d-oh-ah
ToHold	teɤ	t-ay-rr
ToHold-Segurar	siguraɤ	s-eee-g-u-er-ah-rr
ToSqueeze	ifprəmeɤ	e-shh-p-r-aah-m-ay-rr
ToSqueeze-Serrere	seɤa	s-ay-rr-ah
ToSqueeze-Serare	siv̥ar	s-eee-rr-ah-er
ToSqueeze-Appetorare	əpiɾtar	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əʃtriʒiɾ	aah-shh-t-r-eeen-gzah-e-r
ToRub-Exfricare	iffrigaɾ	eee-shh-f-er-eee-g-ah-er
ToWash	lɐvaɾ	l-ahh-v-ah-er
ToWipe-Exsucare	ẽʃugaɾ	ehn-shh-u-g-ah-er
ToWipe-Limpidare	liɲar	l-eeen-p-ah-er
ToPull	ʃiɾa	ts-e-er-ah
ToPull-Pulsare	puʃar	p-u-shh-ah-er
ToPull-Trahere	traze	t-er-ah-zz-ay
ToThrow	zejtar	gzah-ayj-t-ah-er
ToThrow-Lanceare	lɐsa	l-ahn-s-ah
ToTie-Aptare	ɐtar	ahh-t-ah-er
ToSew	kuzer	k-u-zz-ay-er
ToCount	kõtar	k-on-t-ah-er
ToSay	dizer	d-e-zz-ay-er
ToSing-AncestralClass	kẽtar	k-ahn-t-ah-er
ToPlay-Jiocare	zogaɤ	gzah-oh-g-ah-rr
ToFloat	flutuɤ	f-l-u-t-u-ah-rr
ToFlow	flwiɤ	f-l-w-e-rr
ToFlow-Colare	koɤ	k-oh-ah-rr
ToFlow-Excurrere	ifkoveɤ	e-shh-k-oh-rr-ay-rr
ToFlow-Currere	koɤeɤ	k-oh-rr-ay-rr
ToFreeze	zilar	gzah-eee-l-ah-er
ToSwell	if̥ar	een-shh-ah-er
ToSwell-Intumescere	itumeser	een-t-u-m-ay-s-ay-er
ToSwell-Crescere	kreseɤ	k-er-ay-s-ay-rr
ToBurn-Cremare	kɐjmare	k-ahhj-m-ah-er-ay
ToBurn-Ardere	aɤdeɤ	ah-rr-d-ay-rr
ToBurn-Flagrare	flagɤaɤ	f-l-ah-g-rr-ah-rr
ToBurn-Incendere	isendʒiɾar	een-s-ay-n-VdPalatoAlveolarSibilant-l-ah-er
All-Totus	todu	t-oh-d-u

Appendix 5 - Word Lists by Language

Many	mũjtu	m-ooo-jn-t-u
Many-Tantus	tētu	t-ahn-t-u
Some	awgũ	ah-w-g-ooo
Few	powku	p-oh-w-k-u
Other	owtru	oh-w-t-er-u
Other-Alius	aw	ah-w
Big-Grandem	grēdʒi	g-er-ahn-VdPalatoAlveolarSibilant-e
Long-Longum	lōgu	l-on-g-u
Long-Largum	laŋgu	l-ah-rr-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ēfu	ahn-shh-u
Thick-Spissum	ispesu	e-s-p-eh-s-u
Thick-Grossus	grosu	g-er-oh-s-u
Heavy	gravi	g-er-ah-v-e
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Small-Pittinus	pekenu	p-ay-k-ay-n-u
Short	kugtu	k-u-rr-t-u
Short-Brevis	brevi	b-er-eh-v-e
Narrow-Strictus	istrejtū	e-s-t-er-ayj-t-u
Thin	miudu	m-e-u-d-u
Thin-Delicatus	dewgadu	d-ay-w-g-ah-d-u
Thin-Subtilis	suŋiŋw	s-u-ts-e-w
Warm	kawdu	k-ah-w-d-u
Cold	friu	f-er-e-u
Cold-Recens	æseŋfi	rr-ay-s-ehn-ts-e
Full	fejū	shh-ahhj-u
New	novu	n-oh-v-u
Old	vējlu	v-ahhj-yuh-u
Good	bō	b-on
Bad	maw	m-ah-w
Rotten-Putrem	podri	p-oh-d-er-e
Dirty	sordidu	s-euh-er-d-e-d-u
Dirty-Spurcus	ispurku	e-s-p-u-er-k-u
Straight	dʒirejtū	VdPalatoAlveolarSibilant-e-er-ayj-t-u
Round	ædōdu	rr-ay-d-on-d-u
Smooth-Nitidus	nedʒu	n-eh-VdPalatoAlveolarSibilant-u
Dry	seku	s-ay-k-u
Near	prosimu	p-er-oh-s-e-m-u
Near-Vicinus	viziŋu	v-e-zz-e-VdPalatalNasal-u
Right-Dextrem	destru	d-eh-s-t-er-u
Left	seŋtru	s-eh-shh-t-er-u
Red	koŋu	rr-oh-shh-NearCloseBackRounded
Red-Vermiculus	veŋmeŋu	v-ay-rr-m-ay-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	emareŋu	ahh-m-ah-er-eh-l-u
White	awvu	ah-w-v-u
One	ũ	ooo
Two-Duos	dojs	d-oj_diphthong-s
Two-Duas	dues	d-u-ahh-s
Three	tres	t-er-ay-s
Four	kwatru	k-w-ah-t-er-u
Five	siku	s-een-k-u
Here	aki	ah-k-e
There	la	l-ah
There-Adlbi	ai	ah-e
Who-Quem	kēj	k-ehnj

Appendix 5 - Word Lists by Language

What	ki	k-e
When-Quando	kwẽdu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	nẽw	n-au_diphthong_nasal
Not-Nec	nẽj	n-ehnj
At	a	ah
In-In	ẽj	ehnj
With-Cum	kõ	k-on
And-Et	i	e
And-Si	sĩ	s-een
Because-Quod	ki	k-e

Portuguese

Cognate	IPA	Sounds
I	ew	ay-w
We	noʃ	n-euh-shh
YouPlural	voʃ	v-oh-shh
YouSingular	tu	t-u
YouSingular-VostramMercedem	vose	v-euh-s-ay
Woman	femjẽ	f-ay-m-jg-ahh
Woman-Mulier	muʎer	m-u-yuh-ay-er
Woman-Domina	donẽ	d-oh-n-ahh
Child	ĩfẽti	een-f-ahn-t-eee
Child-Ninnus	nenẽj	n-ay-n-ehnj
Wife	ĩʃpozẽ	eee-shh-p-oh-zz-ahh
Husband	mẽriðu	m-ahh-er-e-dd-u
Husband-Sponsus	ĩʃpozu	eee-shh-p-oh-zz-u
Mother	mẽj	m-ahnjn
Father	paj	p-aj
Father-Tata	tata	t-ah-t-ah
Animal-Bestia	bijẽ	b-e-shh-ahh
Fish-Piskem	pẽijĩ	p-ahhj-shh-eee
Bird-Avem	avi	ah-v-eee
Bird-Passerem	pasẽru	p-ah-s-ahh-er-u
Dog	kẽw	k-au_diphthong_nasal
Louse	pioʎu	p-e-oh-yuh-u
Snake	sirpẽti	s-eee-er-p-ehn-t-eee
Worm	vermi	v-ay-er-m-eee
Tree	arvuri	ah-er-v-u-er-eee
Forest	sẽlve	s-eh-ssha-v-ahh
Stick	paw	p-ah-w
Fruit	frutẽ	f-er-u-t-ahh
Seed-Sementis	simẽti	s-eee-m-ehn-t-eee
Seed-Granum	grẽw	g-er-au_diphthong_nasal
Leaf	foʎẽ	f-oh-yuh-ahh
Leaf-Frondea	frõsẽ	f-er-on-s-ahh
Root	kẽijf	rr-ahh-e-shh
BarkOfATree	kõrtisi	k-euh-er-t-e-s-eee
BarkOfATree-Corticea	kurtisẽ	k-u-er-t-e-s-ahh
Flower	flor	f-l-oh-er
Grass	ẽrvẽ	eh-er-v-ahh
Grass-Gramen	grẽmẽ	g-er-ahh-m-ahh
Rope-Restis	kẽjti	rr-ay-shh-t-eee
Skin	kodiẽ	k-oh-d-e-ahh
Skin-Pellis	peli	p-ay-l-eee

Appendix 5 - Word Lists by Language

Meat	karni	k-ah-er-n-eee
Meat-Vivenda	vivēde	v-e-v-ehn-d-ahh
Blood	sēgi	s-ahn-g-eee
Bone	osu	oh-s-u
FatNoun-Crassia	grafe	g-er-ah-shh-ahh
Egg	ovu	oh-v-u
Horn	kornu	k-oh-er-n-u
Tail	kaude	k-au-d-ahh
Feather-Penna	pene	p-ay-n-ahh
Hair	pilu	p-eee-l-u
Hair-Capillus	kēβelu	k-ahh-bb-ay-l-u
Head	kēβese	k-ahh-bb-ay-s-ahh
Head-Testa	tēfte	t-eh-shh-t-ahh
Ear	orejʎe	oh-er-ahhj-yuh-ahh
Eye	oʎu	oh-yuh-u
Nose-Nares	nērif	n-ahh-er-e-shh
Mouth	bokē	b-oh-k-ahh
Tooth	dēti	d-ehn-t-eee
Fingernail	upe	u-VdPalatalNasal-ahh
Foot	pē	p-eh
Leg-Perna	pēmē	p-eh-er-n-ahh
Knee-Geniculum	zweʎu	gzah-w-ahh-yuh-u
Hand	mēw	m-au_diphthong_nasal
Wing	a	ah
Belly-Pantex	pēsē	p-ahn-s-ahh
Guts	ētrepe	ehn-t-er-ahh-VdPalatalNasal-ahh
Neck	kolu	k-euh-l-u
Back-Spatula	ifpadwē	e-shh-p-ah-d-w-ahh
Breast	seju	s-ahhj-u
Breast-Pectus	pejtu	p-ahhj-t-u
Heart	kor	k-oh-er
Heart-Anima	almē	ah-l-m-ahh
Liver	fiyeðu	f-e-juh-ahh-dd-u
Sun	soʎ	s-euh-ssha
Moon	luē	l-u-ahh
Star	iftrele	eee-shh-t-er-ay-l-ahh
Water	agwe	ah-g-w-ahh
Rain	ʃuve	shh-u-v-ahh
River	flumi	f-l-u-m-eee
River-Rivus	riu	rr-e-u
Lake	laʎu	l-ah-juh-u
Sea	mar	m-ah-er
Salt	sal	s-ah-l
Stone	sejʃu	s-ahhj-shh-u
Stone-Petra	peðre	p-eh-dd-er-ahh
Sand	ereje	ahh-er-ahhj-ahh
Sand-Sabulum	sajβru	s-aj-bb-er-u
Dust-Pulwus	pō	p-euh
Earth	tēkē	t-eh-rr-ahh
Cloud	nuvēj	n-u-v-ahnjn
Fog	keliʒēj	k-ahh-l-e-gzah-ahnjn
Fog-Nebula	nevwe	n-eh-v-w-ahh
Fog-Tenebras	treveʃ	t-er-eh-v-ahh-shh
Fog-Fumata	fumase	f-u-m-ah-s-ahh
Sky	sew	s-eh-w
Wind	vētu	v-ehn-t-u
Snow	nevi	n-eh-v-eee

Appendix 5 - Word Lists by Language

Smoke	fumu	f-u-m-u
Fire-Focus	foyu	f-oh-juh-u
Ash-Cinisia	sizə	s-een-zz-ahh
Road	viə	v-e-ahh
Road-Strata	ɪʃtraðə	e-shh-t-er-ah-dd-ahh
Road-Camminus	kəmiɲu	k-ahh-m-e-VdPalatalNasal-u
Mountain	mōti	m-on-t-eee
Mountain-Montanea	mōtɛɲə	m-on-t-ahh-VdPalatalNasal-ahh
Night	noʃti	n-oj_diphthong-t-eee
Day	diə	d-e-ahh
Day-Diurna	ʒɔɲna	gzah-cuh-rr-n-ah
Year	ɛnu	ahh-n-u
Name-Nomen	nomi	n-oh-m-eee
Tongue	liŋwə	l-eeen-g-w-ahh
ToDrink	biʃer	b-eee-bb-ay-er
ToEat	kumer	k-u-m-ay-er
ToEat-Manducare	mɛʒar	m-ahn-gzah-ah-er
ToBite	murðer	m-u-er-dd-ay-er
ToBite-Morsicare	musəgar	m-u-s-aah-g-ah-r
ToSuck	sugar	s-u-g-ah-er
ToSpit	kuʃpir	k-u-shh-p-e-er
ToBreathe	ɤʃpirar	rr-eee-shh-p-e-er-ah-er
ToLaugh	ɤir	rr-e-er
ToSee	ver	v-ay-er
ToHear	owvir	oh-w-v-e-er
ToKnow-Sapere	səber	s-ahh-b-ay-er
ToKnow-Cognoscere	kupniser	k-u-VdPalatalNasal-eee-s-ay-er
ToThink	kuzitar	k-u-gzah-e-t-ah-er
ToThink-Pensare	pɛsar	p-ehn-s-ah-er
ToSmell-Sentire	sɛtir	s-ehn-t-e-er
ToSmell-Fragrare	ʃejrar	shh-ahhj-er-ah-er
ToFear	timer	t-eee-m-ay-er
ToFear-Tremere	trimer	t-er-eee-m-ay-er
ToSleep	durmir	d-u-er-m-e-er
ToLive	viver	v-e-v-ay-er
ToDie	muɤer	m-u-rr-ay-er
ToKill-Mactare	mɛtar	m-ahh-t-ah-er
ToFight-Battuere	bɛter	b-ahh-t-ay-er
ToHunt-Captiare	kɛsar	k-ahh-s-ah-er
ToHit	puʃar	p-u-shh-ah-er
ToCut	siɤar	s-eee-juh-ah-er
ToCut-Curtare	kurtar	k-u-er-t-ah-er
ToCut-Taliare	tɛɤar	t-ahh-yuh-ah-er
ToSplit	dividiɤir	d-e-v-e-dd-e-er
ToSplit-Findere	fɛder	f-ehn-d-ay-er
ToSplit-Partire	pɛtir	p-ahh-er-t-e-er
ToSplit-Separare	sipɛrar	s-eee-p-ahh-er-ah-er
ToStab	pūzɤir	p-ooo-gzah-e-er
ToScratch	ɤɛer	rr-ahh-ay-er
ToScratch-Rasare	ɤɛzar	rr-ahh-zz-ah-er
ToScratch-Rasicare	ɤɛʃkar	rr-ahh-shh-k-ah-er
ToScratch-Coctiare	kusar	k-u-s-ah-er
ToDig-Cavare	kɛvar	k-ahh-v-ah-er
ToDig-Excavare	ɪʃkɛvar	e-shh-k-ahh-v-ah-er
ToSwim	nɛðar	n-ahh-dd-ah-er
ToSwim-Navigare	nevɤyar	n-ahh-v-eee-juh-ah-er
ToFly	vwar	v-w-ah-er

Appendix 5 - Word Lists by Language

ToWalk	kəminar	k-ahh-m-e-VdPalatalNasal-ah-er
ToWalk-Ambitare	edar	ahn-d-ah-er
ToCome	vic	v-e-er
ToLieAsInABed	iftēder	e-shh-t-ehn-d-ay-er
ToLieAsInABed-lacere	zəzer	gzah-ahh-zz-ay-er
ToSit	ser	s-ay-er
ToSit-Sedentare	sētar	s-ehn-t-ah-er
ToStand	iftar	eee-shh-t-ah-er
ToStand-Levare	livar	l-eee-v-ah-er
ToStand-Altiare	alsar	ah-ssha-s-ah-er
ToTurnIntransitive	turnar	t-u-er-n-ah-er
ToTurnIntransitive-Gyrate	zirar	gzah-e-er-ah-er
ToTurnIntransitive-AncestralClass3	zirar	gzah-e-er-ah-er
ToTurnIntransitive-Torquere	turser	t-u-r-s-ay-r
ToFall	keir	k-ahh-e-er
ToFall-Tumbare	tōbar	t-on-b-ah-er
ToGive	dar	d-ah-er
ToGive-Donare	duar	d-u-ah-er
ToHold	ter	t-ay-er
ToHold-Segurar	siyurar	s-eee-juh-u-er-ah-er
ToSqueeze	ifprāmer	e-shh-p-r-aah-m-ay-r
ToSqueeze-Serrere	sərar	s-aah-VIUvularTrill-ah-er
ToSqueeze-Serare	sixar	s-eee-rr-ah-er
ToSqueeze-Appetorare	epirtar	ahh-p-eee-er-t-ah-er
ToSqueeze-Stringere	əftrīzir	aah-shh-t-r-ehn-gzah-e-r
ToRub-Exfricare	iffriyar	eee-shh-f-er-eee-juh-ah-er
ToWash	lavar	l-ahh-v-ah-er
ToWipe-Exsucare	ēfuyar	ehn-shh-u-juh-ah-er
ToWipe-Limpidare	lipar	l-ehn-p-ah-er
ToPull	tirar	t-e-er-ah-er
ToPull-Pulsare	pufar	p-u-shh-ah-er
ToPull-Trahare	trezer	t-er-ahh-zz-ay-er
ToThrow	zejtar	gzah-ayj-t-ah-er
ToThrow-Lanceare	lesar	l-ahn-s-ah-er
ToTie-Aptare	etar	ahh-t-ah-er
ToSew	kuzer	k-u-zz-ay-er
ToCount	kōtar	k-on-t-ah-er
ToSay	dizer	d-e-zz-ay-er
ToSing-AncestralClass	kētar	k-ahn-t-ah-er
ToPlay-Jiocare	zuyar	gzah-u-juh-ah-er
ToFloat	flutuar	f-l-u-t-u-ah-er
ToFlow	flwir	f-l-w-e-er
ToFlow-Colare	kuar	k-u-ah-er
ToFlow-Excurrere	ifkurer	e-shh-k-u-VIUvularTrill-ay-er
ToFlow-Currere	kuxer	k-u-rr-ay-er
ToFreeze	zilar	gzah-eee-l-ah-er
ToSwell	ifjar	een-shh-ah-er
ToSwell-Intumescere	itumeser	een-t-u-m-ay-s-ay-er
ToSwell-Crescere	kriřser	k-er-eee-shh-s-ay-er
ToBurn-Cremare	kejmaæ	k-ayj-m-ah-rr-ay
ToBurn-Ardere	erder	ahh-er-d-ay-er
ToBurn-Flagrare	flagrar	f-l-ah-g-er-ah-er
ToBurn-Incendere	isēdjar	een-s-ehn-d-jg-ah-er
All-Totus	toðu	t-oh-dd-u
Many	mūjtu	m-ooo-jn-t-u
Many-Tantus	tētu	t-ahn-t-u
Some	atqū	ah-ssha-g-ooo

Appendix 5 - Word Lists by Language

Few	powku	p-oh-w-k-u
Other	owtru	oh-w-t-er-u
Other-Alius	ał	ah-ssha
Big-Grandem	grēdi	g-er-ahn-d-eee
Long-Longum	lōgu	l-on-g-u
Long-Largum	largu	l-ah-er-g-u
Wide	latu	l-ah-t-u
Wide-Amplum	ēfu	ahn-shh-u
Thick	grafu	g-er-ah-shh-u
Thick-Spissum	iʃpesu	e-shh-p-ay-s-u
Thick-Grossus	grosu	g-er-oh-s-u
Heavy	gravi	g-er-ah-v-eee
Heavy-Lurdus	lerdo	l-ay-er-d-oh
Small-Pittinus	pikenu	p-eee-k-ay-n-u
Short	kurtu	k-u-er-t-u
Short-Brevis	brēvi	b-er-eh-v-eee
Narrow-Strictus	iʃtrɛjtu	eee-shh-t-er-ahhj-t-u
Thin	miuðu	m-e-u-dd-u
Thin-Delicatus	delyaðu	d-eh-ssha-juh-ah-dd-u
Thin-Subtilis	suʃtɪw	s-u-ts-e-w
Warm	kaldu	k-ah-l-d-u
Cold	friu	f-er-e-u
Cold-Recens	kesēʃi	rr-ay-s-ehn-ts-e
Full	ʃɛju	shh-ahhj-u
New	novu	n-oh-v-u
Old	veʎu	v-ay-yuh-u
Good	bō	b-on
Bad	maw	m-ah-w
Rotten-Putrem	poðri	p-oh-dd-er-eee
Dirty	sordidu	s-euh-er-d-e-d-u
Dirty-Spurcus	iʃpurku	e-shh-p-u-er-k-u
Straight	dirɛjtu	d-e-er-ahhj-t-u
Round	ʁidōdu	rr-eee-d-on-d-u
SharpAsAKnife	ɛyʊðu	ahh-juh-u-dd-u
Smooth-Nitidus	nɛdʒu	n-eh-VdPalatoAlveolarSibilant-u
Dry	seku	s-ay-k-u
Near	prosimu	p-er-oh-s-e-m-u
Near-Vicinus	viziju	v-e-zz-e-VdPalatalNasal-u
Right-Dextrem	dɛʃtru	d-eh-shh-t-er-u
Left	sɛʃtru	s-eh-shh-t-er-u
Red	ʁoʃu	rr-oh-shh-u
Red-Vermiculus	viɾmɛjʎu	v-eee-er-m-ahhj-yuh-u
Red-Rubeus	rubeo	r-u-b-ay-oh
Green	verdi	v-ay-er-d-eee
Yellow-Amarellus	ɛmɛɾɛlu	ahh-m-ahh-er-eh-l-u
White	alvu	ah-l-v-u
One	ũ	ooo
Two-Duos	dojʃ	d-oj_diphthong-shh
Two-Duas	duɛʃ	d-u-ahh-shh
Three	trɛʃ	t-er-ay-shh
Four	kwatru	k-w-ah-t-er-u
Five	siku	s-een-k-u
Here	ɐki	ahh-k-e
There	la	l-ah
There-Adlbi	ɐi	ahh-e
Who-Quem	kɛʃ	k-ahnjn
What	ki	k-eee

Appendix 5 - Word Lists by Language

When-Quando	kwẽdu	k-w-ahn-d-u
How-Quomodo	komu	k-oh-m-u
Not	nẽw̃	n-au_diphthong_nasal
Not-Nec	nẽj	n-ahnjn
At	ɐ	ahh
In-In	ẽj	ahnjn
With-Cum	kõ	k-on
And-Et	i	e
And-Si	sĩ	s-een
Because-Quod	ki	k-eee

Catalan

Cognate	IPA	Sounds
I	ʒə	gzah-euh
YouPlural	bus	b-u-s
YouSingular	tu	t-u
YouSingular-VostramMercedem	voste	v-oh-s-t-ay
Woman	fembra	f-ay-m-b-er-ah
Woman-Mulier	mulɛ	m-u-yuh-ay
Woman-Domina	dɔnə	d-euh-n-aah
Child-Ninnus	nen	n-ay-n
Wife	əspɔzə	aah-s-p-euh-zz-aah
Husband	marit	m-ah-er-e-t
Husband-Sponsus	əspɔs	aah-s-p-euh-s
Mother	marə	m-ah-er-aah
Father	parə	p-ah-er-aah
Fish-Piskem	peʃ	p-ay-shh
Bird-Avem	aw	ah-w
Bird-Avicellum	useʎ	u-s-ay-yuh
Dog	ka	k-ah
Louse	poʎ	p-oh-yuh
Snake	sərpen	s-aah-r-p-ay-n
Worm	vɛrm	v-eh-er-m
Tree	abrə	ah-b-er-aah
Forest	selba	s-ay-l-b-ah
Stick	pəl	p-ah-l
Fruit	frujt	f-er-u-jg-t
Seed-Sementis	səmen	s-aah-m-ay-n
Seed-Granum	gra	g-er-ah
Leaf	fuʎə	f-u-yuh-aah
Root	ərɛl	aah-r-eh-l
BarkOfATree-Skortea	əskɔrsə	aah-s-k-euh-r-s-aah
Flower	flɔ	f-l-euh
Grass	erbə	ay-r-b-aah
Grass-Gramen	gram	g-er-ah-m
Skin	konnə	k-oh-n-n-aah
Skin-Pellis	peʎ	p-ay-yuh
Meat	karn	k-ah-r-n
Blood	saŋ	s-ah-nya
Bone	ɔs	euh-s
FatNoun-Crassia	greʃ	g-er-ay-shh
Egg	ɔw	euh-w
Horn	kɔrn	k-euh-r-n
Tail	kua	k-u-ah
Feather	plomə	p-l-oh-m-aah

Appendix 5 - Word Lists by Language

Feather-Penna	pɛɲə	p-eh-VdPalatalNasal-aah
Hair	pɛl	p-eh-l
Hair-Capillus	kəbɛʌ	k-aah-b-eh-yuh
Head	kap	k-ah-p
Head-Testa	testə	t-ay-s-t-aah
Ear	urɛʌə	u-er-eh-yuh-aah
Nose	nas	n-ah-s
Nose-Nares	na:ris	n-A-r-I-s
Mouth	bokə	b-oh-k-aah
Mouth-Gula	golə	g-oh-l-aah
Foot	pɛw	p-eh-w
Leg-Gamba	kambə	k-ah-m-b-aah
Leg-Perna	pɛrnə	p-eh-r-n-aah
Knee-Geniculum	ʒənoʌ	gzah-aah-n-oh-yuh
Wing	alə	ah-l-aah
Belly	bentrə	b-ay-n-t-er-aah
Belly-Pantex	paɲʃə	p-ah-VdPalatalNasal-shh-aah
Guts	əntrəɲə	aah-n-t-er-ah-VdPalatalNasal-aah
Neck	kɔʌ	k-euh-yuh
Back	dos	d-oh-s
Back-Spatula	əspaʌʌə	aah-s-p-ah-yuh-yuh-aah
Breast	si	s-e
Breast-Pectus	pit	p-e-t
Heart	kɔr	k-euh-r
Liver	fɛdʒə	f-ay-VdPalatoAlveolarSibilant-aah
Sun	sɔl	s-euh-l
Moon	ʌunə	yuh-u-n-aah
Star	əstɛl	aah-s-t-eh-l
Water	ajɥwə	aj-juh-w-aah
Rain	pluzə	p-l-u-gzah-aah
River-Rivus	riw	r-e-w
Lake	ʌak	yuh-ah-k
Sea	mar	m-ah-r
Salt	sal	s-ah-l
Stone-Petra	pɛðrə	p-ay-dd-er-aah
Sand	ənɛnə	aah-er-ay-n-aah
Sand-Sabulum	sorə	s-oh-r-aah
Dust-Pulwus	pɔls	p-oh-l-s
Earth	tɛrə	t-eh-r-aah
Cloud-Nubilus	nuvɔl	n-u-v-oh-l
Fog-Nebula	newlə	n-ay-w-l-aah
Fog-Tenebras	tənebrəs	t-aah-n-ay-b-er-aah-s
Sky	sɛl	s-eh-l
Wind	ben	b-ay-n
Snow	new	n-ay-w
Ice	ʒɛl	gzah-eh-ssha
Ice-Glacies	glas	g-l-ah-s
Smoke	fum	f-u-m
Fire-Focus	fɔk	f-euh-k
Ash	sɛndrə	s-eh-n-d-r-aah
Road	biə	b-e-aah
Road-Camminus	kəmi	k-aah-m-e
Mountain	mun	m-u-n
Mountain-Montanea	muntəɲə	m-u-n-t-ah-VdPalatalNasal-aah
Night	nit	n-e-t
Day	diə	d-e-aah
Day-Diurnus	ʒɔrn	gzah-oh-er-n

Appendix 5 - Word Lists by Language

Year	ap	ah-VdPalatalNasal
Name-Nomen	nom	n-euh-m
ToDrink	bewrə	b-eh-w-er-aah
ToEat-Manducare	məpɜza	m-aah-VdPalatalNasal-gzah-ah
ToBite-Morsicare	musəya	m-u-s-aah-juh-ah
ToSpit-Exconspuere	əskupi	aah-s-k-u-p-e
ToBreathe	rəspira	r-aah-s-p-e-er-ah
ToLaugh	riwrə	r-e-w-er-aah
ToSee	bewrə	b-eh-w-er-aah
ToHear	ui	u-e
ToKnow-Sapere	səβe	s-aah-bb-eh
ToKnow-Cognoscere	kunɛfə	k-u-n-eh-shh-aah
ToThink	kujda	k-u-jg-d-ah
ToThink-Pensare	pənsa	p-aah-n-s-ah
ToSmell-Sentire	sənti	s-aah-n-t-e
ToSmell-Olere	ulura	u-l-u-er-ah
ToSmell-Fragrare	fləjra	f-l-aah-jg-er-ah
ToFear	temə	t-ay-m-aah
ToSleep	durmi	d-u-r-m-e
ToLive	biwrə	b-e-w-er-aah
ToDie	muri	m-u-er-e
ToKill	nəga	n-aah-g-ah
ToKill-Mactare	məta	m-aah-t-ah
ToKill-Occidere	uksi	u-k-s-e
ToFight	pupa	p-u-VdPalatalNasal-ah
ToFight-Battuere	batrə	b-ah-t-er-aah
ToHunt-Captiare	kəsa	k-aah-s-ah
ToCut	səya	s-aah-juh-ah
ToCut-Taliare	təla	t-aah-yuh-ah
ToSplit	dibidi	d-e-b-e-d-e
ToSplit-Findere	fendrə	f-eh-n-d-er-aah
ToSplit-Partire	pərti	p-aah-r-t-e
ToSplit-Separare	səpəra	s-aah-p-aah-er-ah
ToStab	pupi	p-u-VdPalatalNasal-e
ToScratch	rawrə	r-ah-w-er-aah
ToScratch-Rasare	rəza	r-aah-zz-ah
ToScratch-Rasicare	rəska	r-aah-s-k-ah
ToDig-Cavare	kəba	k-aah-b-ah
ToSwim	nəda	n-aah-d-ah
ToSwim-Navigare	nəbəga	n-aah-b-aah-g-ah
ToFly	bula	b-u-l-ah
ToWalk	kəmina	k-aah-m-e-n-ah
ToCome	bəni	b-aah-n-e
ToLieAsInABed	əstendrə	aah-s-t-ay-n-d-er-aah
ToLieAsInABed-lacere	zawrə	gzah-ah-w-er-aah
ToStand	əsta	aah-s-t-ah
ToStand-Levare	ləba	yuh-aah-b-ah
ToStand-Altiare	əlsa	aah-l-s-ah
ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Gyrare	zira	gzah-c-er-ah
ToTurnIntransitive-AncestralClass3	bira	b-e-er-ah
ToTurnIntransitive-Torque	tərsə	t-euh-r-s-aah
ToFall	kawrə	k-ah-w-r-aah
ToFall-Tumbare	tumba	t-u-m-b-ah
ToGive	dar	d-ah-r
ToGive-Donare	duna	d-u-n-ah
ToHold	təni	t-aah-n-e

Appendix 5 - Word Lists by Language

ToSqueeze	əspremə	aah-s-p-er-ay-m-aah
ToSqueeze-Serrere	səra	s-aah-r-ah
ToSqueeze-Stringere	əstreŋə	aah-s-t-er-eh-VdPalatalNasal-aah
ToRub	frəga	f-er-aah-g-ah
ToRub-Frictiare	frəsa	f-er-aah-s-ah
ToWash	ləba	yuh-aah-b-ah
ToWipe-Extergere	əstərzi	aah-s-t-aah-r-gzah-e
ToWipe-Exsucare	əfuga	aah-shh-u-g-ah
ToPull	tira	t-e-er-ah
ToPull-Trahere	trəwrə	t-er-eh-w-er-aah
ToPush	əmpeŋə	aah-m-p-eh-VdPalatalNasal-aah
ToThrow	xita	xha-e-t-ah
ToThrow-Lanceare	lənsa	yuh-aah-n-s-ah
ToTie	liya	yuh-e-juh-ah
ToSew	kuzi	k-u-zz-e
ToCount	kumta	k-u-m-t-ah
ToCount-Numerare	numera	n-u-m-ay-er-ah
ToSay	di	d-e
ToSing-AncestralClass	kənta	k-aah-n-t-ah
ToPlay-Jiocare	zuga	gzah-u-g-ah
ToFloat	fluktua	f-l-u-k-t-u-ah
ToFlow	flui	f-l-u-e
ToFlow-Colare	kula	k-u-ssha-ah
ToFlow-Excurrere	əskorə	aah-s-k-oh-r-aah
ToFlow-Currere	korə	k-oh-r-aah
ToFreeze	zəla	gzah-aah-l-ah
ToFreeze-Glaciare	gləsa	g-l-aah-s-ah
ToSwell	imfla	e-m-f-l-ah
ToSwell-Crescere	kreʃə	k-er-ay-shh-aah
ToBurn-Cremare	krəma	k-r-aah-m-ah
ToBurn-Flammare	flama	f-ssha-ah-m-ah
ToBurn-Incendere	ənsendə	aah-n-s-ay-n-d-er-aah
All-Totus	tot	t-oh-t
Many	mol	m-oh-l
Many-Tantus	tant	t-ah-n-t
Some	əlqu	aah-l-g-u
Few	pək	p-euh-k
Other	altə	ah-l-t-er-aah
Big-Grandem	gran	g-r-ah-n
Long-Longum	loŋ	yuh-oh-nya
Long-Largum	lark	yuh-ah-er-k
Wide-Amplum	amplə	ah-m-p-l-aah
Thick	gras	g-er-ah-s
Thick-Spissum	əspəs	aah-s-p-eh-s
Thick-Grossus	grəs	g-er-euh-s
Heavy	grew	g-er-ay-w
Small	pətit	p-aah-t-e-t
Short	kurt	k-u-er-t
Short-Brevis	brew	b-er-ay-w
Narrow-Strictus	əstrət	aah-s-t-er-eh-t
Thin	mənūt	m-aah-n-u-t
Thin-Delicatus	dəlikat	d-aah-l-e-k-ah-t
Thin-Subtilis	suptil	s-u-p-t-e-l
Warm	kaɪ	k-ah-ssha
Cold	frət	f-er-eh-t
Full	pɛ	p-ssha-eh
New	nəw	n-euh-w

Appendix 5 - Word Lists by Language

Old	veʎ	v-ay-yuh
Good	bɒn	b-euh-n
Bad	mal	m-ah-l
Rotten	puðrit	p-u-dd-er-e-t
Straight	dɹæt	d-er-eh-t
Round	rədo	r-aah-d-oh
SharpAsAKnife	əɡut	aah-g-u-t
Smooth	suaw	s-u-ah-w
Smooth-Nitidus	net	n-eh-t
Dry	sek	s-eh-k
Near	proizme	p-er-oh-e-zz-m-ay
Near-AdPrope	əprɒp	aah-p-er-euh-p
Near-Vicinus	bəi	b-aah-e
Far	ʎunta	yuh-u-n-t-ah
Right-Dextrem	destrə	d-ay-s-t-er-aah
Red	ros	r-oh-s
Red-Vermiculus	bərmɛʎ	b-aah-r-m-eh-yuh
Red-Rubeus	rudʒe	r-u-VdPalatoAlveolarSibilant-ay
Green	vɛrt	v-eh-er-t
Yellow-Croceus	grɒk	g-er-euh-k
White	alb	ah-l-b
One	un	u-n
Two-Duos	dos	d-oh-s
Three	tres	t-r-eh-s
Four	kwatrə	k-w-ah-t-er-aah
Five	siŋk	s-e-nya-k
Here	aki	ah-k-e
There	əʎa	aah-yuh-ah
Who-Qui	ki	k-e
What	kɛ	k-eh
When-Quando	kwan	k-w-ah-n
How-Quomodo	kɒm	k-euh-m
Not	no	n-oh
Not-Nec	ni	n-e
At	a	ah
In-In	ən	aah-n
In-Deintus	dins	d-e-n-s
And-Et	i	e
And-Si	si	s-e
Because-Quod	kə	k-aah

Walloon

Cognate	IPA	Sounds
I	dʒɪ	VdPalatoAlveolarSibilant-I
We	no	n-oh
YouPlural	vos	v-oh-s
YouSingular	ty	t-eeh
Woman	fœm	f-uuh-m
Woman-Domina	dœm	d-uuh-m
Child	ɛfɑ̃	eh-f-NasalA
Mother	mer	m-ay-VIUvularTrill
Father	pɛ:r	p-Eh-r
Fish-Pescion	pehō	p-eh-h-on
Bird-Avicellum	u:hɛ:	U-h-Eh
Dog	ʃɛ̃	ts-ehn

Appendix 5 - Word Lists by Language

Louse	pju	p-jg-u
Snake	sʝɛɾpɛ	s-jg-eh-rr-p-ehn
Worm	vʝɛɾ	v-jg-eh-VIUvularTrill
Tree	o:b	O-b
Fruit	fɾy	f-VIUvularTrill-eeh
Seed-Sementis	simɛs	s-e-m-ehn-s
Seed-Granum	grin	g-r-e-n
Leaf	fɔj	f-mid_low_diphthong
Root-Radicina	ɾɛsɛn	VIUvularTrill-eh-s-eh-n
BarkOfATree-Skortea	skwas	s-k-w-ah-s
Flower	flø:ɾ	f-l-o-rr
Grass	jɛɾ	jg-eh-p
Skin-Pellis	pja	p-jg-ah
Meat	tʃɔ:	ts-LongOpenMidBackRounded
Blood	sõ:g	s-OOO-g
Bone	ɔʃ	euh-shh
FatNoun-Crassia	krɔ:ç	k-VIUvularTrill-LongOpenMidBackRounded-sh
Egg	u:	U
Horn	kwɛn	k-w-eh-n
Tail	kɔw	k-euh-w
Feather	plɔm	p-l-euh-m
Feather-Penna	pen	p-ay-n
Hair-Capillus	tʃivja	ts-e-v-jg-ah
Head-Testa	tʃɛs	ts-eh-s
Ear	ɔɾaj	euh-VIUvularTrill-aj
Eye	u:j	U-jg
Nose	ne	n-ay
Mouth	bɔk	b-euh-k
Mouth-Gula	gø:j	g-o-jg
Tooth	dɛ	d-ehn
Fingernail	õg	on-g
Foot	pi:	p-E
Leg-Gamba	dʒäp	VdPalatoAlveolarSibilant-an-p
Knee-Geniculum	dʒinɔ	VdPalatoAlveolarSibilant-e-n-euh
Hand	mɛ	m-ehn
Wing	el	ay-l
Belly	vɛt	v-ehnn-t
Belly-Pantex	päs	p-an-s
Back	dɔ	d-euh
Back-Spatula	spal	s-p-ah-l
Heart	ku:ɾ	k-U-rr
Heart-Anima	ɔ:m	LongOpenMidBackRounded-m
Liver	fø:t	f-o-t
Sun	sɔlɔ	s-euh-l-euh
Moon	løn	l-uu-n
Star	stø:l	s-t-o-l
Water	ɛ:w	Eh-w
Rain	plu:ɾ	p-l-U-rr
River-Riparia	rivi:ɾ	r-e-v-E-rr
Lake	lak	l-ah-k
Sea	meɾ	m-ay-rr
Salt	se	s-ay
Stone-Petra	pi:ɾ	p-E-rr
Sand-Sabulum	sɔ:vjõ	s-O-v-jg-on
Earth	tɛ:ɾ	t-Eh-rr
Sky	si:ɾ	s-E-rr
Wind	vɛ	v-ehn

Appendix 5 - Word Lists by Language

Snow	ni:f	n-E-f
Ice-Glacies	gles	g-l-eh-s
Fire-Focus	fø:	f-o
Ash	sē:d	s-LongNasalE-d
Mountain-Montanea	mōtaɲ	m-on-t-ah-VdPalatalNasal
Night	nyt	n-eeh-t
Day	ɖɯ:	VdPalatoAlveolarSibilant-U
Day-Diurnus	ɖɯ:	VdPalatoAlveolarSibilant-U
Year	ã	NasalA
Name-Nomen	nō	n-on
Tongue	lēu	l-ehnun
ToDrink	bø:ɤ	b-o-rr
ToEat-Manducare	maɲi:	m-ah-VdPalatalNasal-E
ToSuck	sysi:	s-eeh-s-E
ToVomit	vo:mi	v-O-m-e
ToBlow	sufle	s-u-f-l-ay
ToLaugh	xi:ɤ	rr-E-rr
ToSee	vi:r	v-E-VIUvularTrill
ToHear	ōr	on-VIUvularTrill
ToKnow-Sapere	savø:r	s-ah-v-o-VIUvularTrill
ToKnow-Cognoscere	kinəh	k-e-n-euh-h
ToThink-Pensare	pēse	p-ehnn-s-ay
ToSmell-Sentire	sēti	s-ehnn-t-e
ToSleep	dwaɤmi	d-w-ah-rr-m-e
ToDie	mōri	m-euh-VIUvularTrill-e
ToKill-Tutari	tuwe	t-u-w-ay
ToFight-Battuere	bate	b-ah-t-ay
ToHunt-Captiare	ʃesi:	ts-eh-s-E
ToCut-Taliare	teji:	t-eh-jg-E
ToSplit-Findere	fēt	f-ehnn-t
ToSplit-Partire	pø:rti	p-LongOpenMidBackRounded-VIUvularTrill-t-e
ToSwim-Navigare	nedʒi:	n-eh-VdPalatoAlveolarSibilant-E
ToFly	vole	v-euh-l-ay
ToWalk	ʃimine	ts-e-m-e-n-ay
ToWalk-Marcher	ma:rʃi:	m-A-VIUvularTrill-ts-E
ToCome	vini	v-e-n-e
ToLieAsInABed-lacere	ɖgere	VdPalatoAlveolarSibilant-ay-r-ay
ToStand	es	eh-s
ToStand-Levare	løve	l-aah-v-ay
ToStand-Altiare	hø:si:	h-LongOpenMidBackRounded-s-E
ToTurnIntransitive	tu:rne	t-U-r-n-ay
ToTurnIntransitive-AncestralClass3	viɤe	v-e-rr-ay
ToFall	ʃe:r	ts-Eh-VIUvularTrill
ToFall-Tumbare	tume	t-u-m-ay
ToGive-Donare	dine	d-e-n-ay
ToHold	tini	t-e-n-e
ToSqueeze-Serare	sere	s-eh-VIUvularTrill-ay
ToSqueeze-Stringere	stringe	s-t-r-e-n-g-ay
ToRub	froj	f-r-øj_diphthong
ToRub-Frictare	fɤote	f-rr-oh-t-ay
ToWash	lave	l-ah-v-ay
ToWipe-Exsucare	suwe	s-u-w-ay
ToPull	tire	t-e-r-ay
ToPull-Pulsare	pu:si:	p-U-s-E
ToThrow	ɖʒete	VdPalatoAlveolarSibilant-eh-t-ay
ToThrow-Lanceare	lanci:	l-ah-n-tya-E
ToTie	loji:	l-mid_low_diphthong-E

Appendix 5 - Word Lists by Language

ToSew	kø:z	k-o-zz
ToCount	kôte	k-on-t-ay
ToSay	di:ʁ	d-E-rr
ToSing-AncestralClass	ʃãte	ts-NasalA-t-ay
ToPlay-Jiocare	dzuwe	VdPalatoAlveolarSibilant-u-w-ay
ToFlow-Colare	køle	k-euh-l-ay
ToFlow-Currere	køri	k-euh-VIUvularTrill-e
ToFreeze	dʒale	VdPalatoAlveolarSibilant-ah-l-ay
ToSwell	ẽfle	ehn-f-l-ay
ToSwell-Conflare	gõfle	g-on-f-l-ay
All-Totus	tø	t-euh
Few	pø	p-on
Other	õt	on-t
Big-Grandem	gɸã	g-rr-NasalA
Long-Longum	lø	l-on
Thick-Spissum	spe	s-p-eh
Heavy	grav	g-r-ah-v
Small	piti	p-e-t-e
Short	ku:ʁ	k-U-rr
Short-Brevis	bœf	b-rr-ay-f
Narrow-Strictus	stø:	s-t-rr-o
Thin	minu	m-e-n-u
Thin-Subtilis	su:ti	s-U-t-e
Warm	ʃõ	ts-on
Cold	frwe	f-VIUvularTrill-w-eh
Full	plẽ	p-l-ehn
New	nøve	n-euh-v-eh
Old	vi:	v-E
Good	bø	b-on
Bad	mø:	m-LongOpenMidBackRounded
Straight	drø:	d-r-o
Round	rø	r-on
Dry	seʃ	s-eh-ts
Near-Pressus	pre	p-r-eh
Near-Vicinus	vizẽ	v-e-gzah-ehn
Red-Rubeus	rɔʃ	r-euh-ts
Green	veʁ	v-eh-rr
Yellow	dʒen	VdPalatoAlveolarSibilant-eh-n
One	õ	on
Two-Duos	dø:	d-o
Three	trø:	t-r-o
Four	kwat	k-w-ah-t
Five	sẽk	s-ehn-k
There	la	l-ah
Who-Qui	ki:	k-E
What	kwe:	k-w-Eh
When-Quando	kwand	k-w-ah-n-d
How-Quomodo	kõmẽ	k-euh-m-ehnn
Not	nõ	n-oon
Not-Nec	nẽ	n-ehn
At	a	ah
With-Abhoc	avu	ah-v-u
And-Et	ε	eh
And-Si	si	s-e
Because-Quod	ki:	k-E

Appendix 5 - Word Lists by Language

Friulian

Cognate	IPA	Sounds
I	jo	jg-oh
We	no:	n-O
YouPlural	vo:	v-O
YouSingular	tu	t-u
Woman	femine	f-eh-m-e-n-eh
Woman-Mulier	mui:r	m-u-E-r
Woman-Domina	dɔne	d-euh-n-ay
Husband	mari:t	m-ah-r-E-t
Husband-Sponsus	spo:s	s-p-O-s
Mother	mari	m-ah-r-e
Father	pari	p-ah-r-e
Animal	nema:l	n-ay-m-A-l
Animal-Bestia	bis	b-e-s
Fish-Piskem	pɛs	p-eh-s
Bird-Avicellum	ufjɛl	u-ts-jg-eh-l
Dog	can	tya-ah-n
Louse	pedoli	p-ay-d-oh-l-e
Snake	sarpint	s-ah-r-p-e-n-t
Worm	vjer	v-jg-eh-r
Tree	arbul	ah-r-b-u-l
Forest	selve	s-eh-l-v-ay
Stick	pa:l	p-A-l
Fruit	frut	f-r-u-t
Seed-Sementis	semenʃɛ	s-ay-m-eh-n-ts-eh
Seed-Granum	gran	g-r-ah-n
Leaf	fwee	f-w-ay-ay
BarkOfATree-Skorteia	skwartse	s-k-w-ah-r-VAlveolarSibilantAffricate-ay
Flower	flo:r	f-l-O-r
Grass	jarbe	jg-ah-r-b-ay
Skin-Pellis	pjɛl	p-jg-eh-l
Meat	ca:r	tya-A-r
Blood	saŋk	s-ah-nya-k
Bone	vwɛs	v-w-eh-s
Egg	u:f	U-f
Horn	kwa:r	k-w-A-r
Tail	kɔde	k-euh-d-eh
Feather	plume	p-l-u-m-eh
Feather-Penna	pene	p-eh-n-ay
Hair	pe:l	p-ai-l
Hair-Capillus	cavej	tya-ah-v-ayj
Head	ca:f	tya-A-f
Head-Testa	tɛste	t-eh-s-t-ay
Ear	orele	oh-r-ay-l-ay
Eye	voli	v-oh-l-e
Nose	na:s	n-A-s
Mouth	bɔce	b-euh-tya-eh
Mouth-Gula	gɔle	g-euh-l-ay
Tooth	dint	d-e-n-t
Fingernail	ɔŋgule	euh-nya-g-u-l-eh
Foot	pi:t	p-E-t
Leg-Gamba	jambe	VdPalatalStop-ah-m-b-ay
Leg-Petiolus	pekɔl	p-eh-k-oh-l
Knee-Geniculum	dʒenoli	VdPalatoAlveolarSibilant-ay-n-oh-l-e

Appendix 5 - Word Lists by Language

Hand	maŋ	m-ah-nya
Wing	ale	ah-l-ay
Belly	vintri	v-e-n-t-r-e
Belly-Pantex	pantse	p-ah-n-VlAlveolarSibilantAffricate-ay
Neck	kwel	k-w-eh-l
Back	dwes	d-w-ay-s
Back-Spatula	spale	s-p-ah-l-eh
Breast	sen	s-ay-n
Breast-Pectus	pet	p-eh-t
Heart	ku:r	k-U-r
Heart-Anima	anime	ah-n-e-m-ay
Liver	fija:t	f-e-jg-A-t
Sun-Soliculus	soreli	s-oh-r-ay-l-e
Moon	lune	l-u-n-ay
Star	stele	s-t-eh-l-ay
Water	age	ah-g-ay
Rain	ploje	p-l-oh-jg-ay
River	flum	f-l-u-m
Lake	la:t	l-A-t
Sea	ma:r	m-A-r
Salt	sa:l	s-A-l
Stone-Petra	pje:re	p-jg-ai-r-ay
Sand-Sabulum	savalon	s-ah-v-ah-l-euh-n
Dust	polvar	p-euh-l-v-ah-r
Earth	tjere	t-jg-eh-r-ay
Cloud-Nubilus	nu:l	n-U-l
Fog-Fumata	fumate	f-u-m-ah-t-ay
Sky	tʃi:l	ts-E-l
Wind	'vint	v-e-n-t
Snow	ne:f	n-ai-f
Ice-Glacies	glatʃe	g-l-ah-ts-ay
Smoke	fum	f-u-m
Fire-Focus	fu:k	f-U-k
Ash-Cinisia	tʃinize	ts-e-n-e-zz-eh
Mountain	mont	m-euh-n-t
Mountain-Montanea	montape	m-euh-n-t-ah-VdPalatalNasal-ay
Night	not	VdPalatalNasal-euh-t
Day	di	d-e
Day-Diurnata	dzornade	VdPalatoAlveolarAffricate-oh-r-n-ah-d-ay
Year	aŋ	ah-nya
Name-Nomen	noŋ	n-euh-nya
Tongue	'lenge	l-eh-n-g-eh
ToDrink	bevi	b-ay-v-e
ToEat-Manducare	manja:	m-ah-nya-VdPalatalStop-A
ToBite	mwardi	m-w-ah-r-d-e
ToSuck	cuca:	tya-u-tya-A
ToSpit-Sputare	spuda:	s-p-u-d-A
ToBlow	sofla:	s-oh-f-l-A
ToBreathe	respira:	r-ay-s-p-e-r-A
ToLaugh	ridi	r-e-d-e
ToSee	vjodi	v-jg-oh-d-e
ToHear	uldi:	u-l-d-E
ToKnow-Sapere	save:	s-ah-v-ai
ToKnow-Cognoscere	koposi	k-oh-VdPalatalNasal-oh-s-e
ToThink-Pensare	pejsa:	p-ay-nya-s-A
ToSmell-Sentire	sinti:	s-e-n-t-E
ToFear	temi	t-ay-m-e

Appendix 5 - Word Lists by Language

ToFear-Tremere	trima:	t-r-e-m-A
ToSleep	durmi:	d-u-r-m-E
ToLive	vivi	v-e-v-e
ToDie	muri:	m-u-r-E
ToKill-Mactare	maŋa:	m-ah-ts-A
ToFight-Battuere	bati	b-ah-t-e
ToHunt-Captiare	caŋa:	tya-ah-ts-A
ToHit	pulsa:	p-u-l-s-A
ToCut	sea:	s-ay-A
ToCut-Excurtare	skurta:	s-k-u-r-t-A
ToCut-Taliare	taja:	t-ah-jg-A
ToSplit	dividi	d-e-v-e-d-e
ToSplit-Partire	parti:	p-ah-r-t-E
ToSplit-Separare	separa:	s-ay-p-ah-r-A
ToScratch	rada:	r-ah-d-A
ToScratch-Rasare	rasa:	r-ah-s-A
ToDig-Cavare	java:	VdPalatalStop-ah-v-A
ToDig-Excavare	zjava:	zz-VdPalatalStop-ah-v-A
ToSwim	nada:	n-ah-d-A
ToSwim-Navigare	naviga:	n-ah-v-e-g-A
ToFly-Exvolare	zvola:	zz-v-oh-l-A
ToWalk	camina:	tya-ah-m-e-n-A
ToCome	vjni:	v-e-VdPalatalNasal-E
ToLieAsInABed-Iacere	jesi	jg-ay-s-e
ToSit-Sedentare	senta:	s-ay-n-t-A
ToStand	sta:	s-t-A
ToStand-Levare	leva:	l-ay-v-A
ToStand-Altiare	alŋa:	ah-l-ts-A
ToTurnIntransitive	torna:	t-oh-r-n-A
ToTurnIntransitive-Gyrate	dŋira:	VdPalatoAlveolarSibilant-e-r-A
ToTurnIntransitive-AncestralClass3	dŋira:	VdPalatoAlveolarSibilant-e-r-A
ToFall	ŋjade	ts-jg-ah-d-ay
ToGive	da:	d-A
ToGive-Donare	dona:	d-oh-n-A
ToHold	tinji	t-e-n-jg-e
ToSqueeze	esprimi	ay-s-p-r-e-m-e
ToSqueeze-Stringere	strengi:	s-t-r-eh-n-g-E
ToRub	frea	f-r-ay-ah
ToWash	lava:	l-ah-v-A
ToWipe-Exsucare	suja:	s-u-jg-A
ToPull	tira:	t-e-r-A
ToPull-Pulsare	pulsa:	p-u-l-s-A
ToPull-Trahere	traj	t-r-aj
ToThrow-Lanceare	lanŋa:	l-ah-n-ts-A
ToTie	lea:	l-ay-A
ToSew	kuzi	k-u-zz-e
ToCount	konta:	k-oh-n-t-A
ToCount-Numerare	numera:	n-u-m-ay-r-A
ToSay	di:	d-E
ToSing-AncestralClass	canta:	tya-ah-n-t-A
ToPlay-Jiocare	dŋuja:	VdPalatoAlveolarSibilant-u-jg-A
ToFlow-Excurrere	skori:	s-k-oh-r-E
ToFlow-Currere	kori	k-oh-r-e
ToFreeze-Glaciare	glatŋa:	g-l-ah-ts-A
ToSwell	enfla:	ay-n-f-l-A
ToSwell-Conflare	zglonŋa:	zz-g-l-oh-nya-f-A
ToBurn-Flammare	flama:	f-l-ah-m-A

Appendix 5 - Word Lists by Language

All-Totus	dut	d-u-t
Many	molc	m-oh-l-tya
Many-Tantus	tanc	t-ah-n-tya
Few	po:k	p-O-k
Other	altri	ah-l-t-r-e
Big-Grandem	grant	g-r-ah-n-t
Long-Longum	lunk	l-u-n-k
Long-Largum	lark	l-ah-r-k
Thick	gras	g-r-ah-s
Thick-Grossus	grwes	g-r-w-eh-s
Heavy	grevi	g-r-eh-v-e
Small-Pitulus	piʃful	p-e-ts-u-l
Short	kurt	k-u-r-t
Narrow-Strictus	stret	s-t-r-eh-t
Thin	minu:t	m-e-n-U-t
Thin-Subtilis	suti:l	s-u-t-E-l
Warm	calt	tya-ah-l-t
Cold	fret	f-r-ai-t
Cold-Recens	retsint	r-ay-VlAlveolarSibilantAffricate-e-n-t
Full	plen	p-l-eh-n
New	nu:f	VdPalatalNasal-U-f
Old	vjei	v-jg-ay-e
Good	bon	b-euh-n
Bad	ma:l	m-A-l
Dirty-Spurcus	spork	s-p-euh-r-k
Straight	dræt	d-r-eh-t
Round	taront	t-ah-r-euh-n-t
Smooth-Nitidus	net	n-eh-t
Wet	umid	u-m-e-d
Dry	sek	s-eh-k
Near	prosim	p-r-oh-s-e-m
Near-Vicinus	viʃin	v-e-ts-e-n
Far	lontan	l-oh-n-t-ah-n
Right-Dextrem	djestri	d-jg-ay-s-t-r-e
Left	sinestri	s-e-VdPalatalNasal-ay-s-t-r-e
Red	ros	r-euh-s
Green	vert	v-eh-r-t
One	uj	u-nya
Two-Duos	doj	d-oj_diphthong
Three	'tre:	t-r-ai
Four	kwatri	k-w-ah-t-r-e
Five	'ʃɪŋk	ts-e-nya-k
Here	aki	ah-k-e
Who-Qui	kwi	k-w-e
What	ʃe	ts-ay
When-Quando	kwant	k-w-ah-n-t
How-Quomodo	ʃemu:t	ts-ay-m-U-t
Not	no	n-oh
At	a	ah
And-Et	e	ay
And-Si	si	s-e
Because-Quod	ke	k-ay

Romanian

Cognate	IPA	Sounds
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Appendix 5 - Word Lists by Language

I	jew	jg-ay-w
We	noj	n-øj_diphthong
YouPlural	voj	v-øj_diphthong
YouSingular	tu	t-u
Woman	femeje	f-ay-m-ay-jg-ay
Woman-Mulier	mujere	m-u-jg-ay-r-ay
Woman-Domina	doamnə	d-oaa-m-n-aah
Husband	mərit	m-aah-r-e-t
Husband-Socius	sots	s-oh-VIAlveolarSibilantAffricate
Father-Tata	tatə	t-ah-t-aah
Animal	nəmajə	n-aah-m-ah-jg-ay
Fish-Piskem	pejte	p-ay-shh-t-ay
Bird-Passerem	pasəre	p-ah-s-aah-er-ay
Dog	kijne	k-eeej-n-ay
Louse	pədukje	p-aah-d-u-k-jg-ay
Snake	ʃarpe	shh-ah-er-p-ay
Worm	vjerme	v-jg-ay-r-m-ay
Tree	arbore	ah-r-b-oh-r-ay
Stick	par	p-ah-er
Fruit	frukt	f-r-u-k-t
Seed-Sementis	səminjə	s-aah-m-eee-n-ts-aah
Seed-Granum	griw	g-r-iw
Leaf	foaje	f-oaa-jg-ay
Leaf-Frondea	frunzə	f-er-u-n-zz-aah
Root-Radicina	rədɔʃinə	r-aah-d-aah-ts-e-n-aah
BarkOfATree-Skorteā	skoartə	s-k-oaa-er-VIAlveolarSibilantAffricate-aah
Flower	floare	f-l-oaa-er-ay
Grass	jarbə	jg-ah-er-b-aah
Rope	funje	f-u-n-jg-ay
Skin-Pellis	pjele	p-jg-ay-l-ay
Meat	karne	k-ah-er-n-ay
Blood	sindʒe	s-eee-n-VdPalatoAlveolarSibilant-ay
Bone	os	oh-s
Egg	ow	oh-w
Horn	korn	k-oh-r-n
Tail	coɔdə	tya-oaa-d-aah
Feather-Penna	panə	p-ah-n-aah
Hair	pər	p-aah-er
Head	kap	k-ah-p
Head-Testa	tseastə	VIAlveolarSibilantAffricate-eaha-s-t-aah
Ear	ureke	u-r-ay-k-ay
Eye	oki	oh-kpalatal
Nose	nas	n-ah-s
Mouth	bukə	b-u-k-aah
Mouth-Gula	gurə	g-u-er-aah
Tooth	dinte	d-e-n-t-ay
Fingernail	ungje	u-n-g-jg-ay
Foot	piez	p-e-ay-zz
Leg-Gamba	gambə	g-ah-m-b-aah
Leg-Petiolus	piʃjor	p-e-ts-jg-oh-r
Knee-Geniculum	dʒenunki	VdPalatoAlveolarSibilant-ay-n-u-n-kpalatal
Hand	minə	m-eee-n-aah
Belly	vintre	v-e-n-t-r-ay
Belly-Pantex	pintetfe	p-eee-n-t-ay-ts-ay
Back	do	d-oh
Back-Spatula	spate	s-p-ah-t-ay
Breast	san	s-ah-n

Appendix 5 - Word Lists by Language

Breast-Pectus	pjept	p-jg-ay-p-t
Heart-Anima	inimə	e-n-e-m-aah
Liver	fikat	f-e-k-ah-t
Sun	soare	s-oaa-er-ay
Moon	lunə	l-u-n-aah
Star	stea	s-t-eaha
Water	apə	ah-p-aah
Rain	ploaje	p-l-oaa-jg-ay
River-Rivus	riw	r-eee-w
Lake	lak	l-ah-k
Sea	mare	m-ah-r-ay
Salt	sare	s-ah-r-ay
Stone-Petra	pjatrə	p-jg-ah-t-er-aah
Sand	arinə	ah-r-e-n-aah
Dust	pulbere	p-u-l-b-ay-r-ay
Earth	tsarə	VlAlveolarSibilantAffricate-ah-r-aah
Cloud-Nubilus	nor	n-oh-r
Fog-Nebula	negurə	n-ay-g-u-r-aah
Fog-Caecia	ʃʃeafʃə	ts-eaha-ts-aah
Sky	ʃʃer	ts-ay-er
Wind	vint	v-eee-n-t
Snow	neə	n-eaha
Ice	dʒer	VdPalatoAlveolarSibilant-ay-r
Ice-Glacies	geatsə	g-eaha-VlAlveolarSibilantAffricate-aah
Smoke	fum	f-u-m
Fire-Focus	fok	f-oh-k
Ash-Cinisia	ʃʃenuʃə	ts-ay-n-u-shh-aah
Mountain	munte	m-u-n-t-eh
Night	noapte	n-oaa-p-t-ay
Day	zi	zz-e
Year	an	ah-n
Name-Nomen	nume	n-u-m-ay
Tongue	limbə	l-e-m-b-aah
ToDrink	bea	b-eaha
ToEat-Manducare	minka	m-eee-n-k-ah
ToBite-Morsicare	murseka	m-u-r-s-ay-k-ah
ToSuck	sudʒe	s-u-VdPalatoAlveolarSibilant-ay
ToSpit-Exconspuere	skujpa	s-k-u-jg-p-ah
ToVomit	voame	v-oaa-m-ay
ToBlow	sufla	s-u-f-l-ah
ToLaugh	ride	er-eee-d-ay
ToSee	vedea	v-ay-d-eaha
ToHear	auzi	au-zz-e
ToKnow	ʃti	shh-t-e
ToKnow-Cognoscere	kunoafte	k-u-n-oaa-shh-t-ay
ToThink	kudʒeta	k-u-VdPalatoAlveolarSibilant-ay-t-ah
ToThink-Pensare	pəsa	p-aah-s-ah
ToSmell-Sentire	simtsi	s-e-m-VlAlveolarSibilantAffricate-e
ToFear	teme	t-ay-m-ay
ToSleep	dormi	d-oh-r-m-e
ToLive	via	v-e-ah
ToDie	muri	m-u-r-e
ToKill	neka	n-ay-k-ah
ToKill-Occidere	uʃide	u-ts-e-d-ay
ToFight-Battuere	bate	b-ah-t-ay
ToHit	pulsa	p-u-l-s-ah
ToCut-Excurtare	skurta	s-k-u-r-t-ah

Appendix 5 - Word Lists by Language

ToCut-Taliare	təja	t-aah-jg-ah
ToSplit	divide	d-e-v-e-d-ay
ToSplit-Separare	separa	s-ay-p-ah-r-ah
ToStab	pundʒe	p-u-n-VdPalatoAlveolarSibilant-ay
ToScratch	rade	r-ah-d-ay
ToSwim-Navigare	naviga	n-ah-v-e-g-ah
ToFly-Exvolare	zbura	zz-b-u-cr-ah
ToWalk-Mergere	merdʒe	m-ay-r-VdPalatoAlveolarSibilant-ay
ToCome	veni	v-ay-n-e
ToLieAsInABed	ekstinde	ay-k-s-t-e-n-d-ay
ToLieAsInABed-lacere	zəʃeə	zz-aah-ts-eaha
ToSit	ʃedeə	shh-ay-d-eaha
ToStand	sta	s-t-ah
ToStand-Levare	lua	l-u-ah
ToTurnIntransitive	turna	t-u-r-n-ah
ToTurnIntransitive-Torquere	toarʃe	t-oaa-r-ts-ay
ToFall	kədeə	k-aah-d-eaha
ToGive	da	d-ah
ToHold	tsine	VAlveolarSibilantAffricate-e-n-ay
ToSqueeze	skreme	s-k-r-ay-m-ay
ToSqueeze-Stringere	strindʒe	s-t-r-eee-n-VdPalatoAlveolarSibilant-ay
ToRub	freka	f-r-ay-k-ah
ToWash	la	l-ah
ToWipe-Extergere	ʃterdʒe	shh-t-ay-r-VdPalatoAlveolarSibilant-ay
ToWipe-Exsucare	uska	u-s-k-ah
ToPull-Pulsare	pulsa	p-u-l-s-ah
ToPull-Trahere	tradʒe	t-r-ah-VdPalatoAlveolarSibilant-ay
ToPush	impindʒe	eee-m-p-e-n-VdPalatoAlveolarSibilant-ay
ToThrow-Eruncare	aruŋka	ah-er-u-nya-k-ah
ToTie	lega	l-ay-g-ah
ToSew	coase	tya-oaa-s-ay
ToCount-Numerare	numara	n-u-m-ah-r-ah
ToSay	ziʃe	zz-e-ts-ay
ToSay-Exponere	spune	s-p-u-n-ay
ToSing-AncestralClass	kinta	k-eee-n-t-ah
ToPlay-Jiocare	zuka	gzah-u-k-ah
ToFloat	fluctua	f-l-u-tya-t-u-ah
ToFlow-Excurrere	skurdʒe	s-k-u-er-VdPalatoAlveolarSibilant-ay
ToFlow-Currere	kurdʒe	k-u-er-VdPalatoAlveolarSibilant-ay
ToFreeze-Inglaciare	ingetsa	eee-n-g-ay-VAlveolarSibilantAffricate-ah
ToSwell	umfla	u-m-f-l-ah
ToSwell-Crescere	kreʃte	k-er-ay-shh-t-ay
ToBurn-Ardere	arde	ah-er-d-ay
ToBurn-Incendere	inʃindʒe	eee-n-ts-e-n-d-gzah-ay
ToBurn-Ustulare	ustura	u-s-t-u-r-ah
All-Totus	tot	t-oh-t
Many	mult	m-u-l-t
Other	alt	ah-l-t
Big-Majjorem	mare	m-ah-er-ay
Long-Longum	lung	l-u-n-g
Long-Largum	larg	l-ah-r-g
Wide	lat	l-ah-t
Thick	gras	g-r-ah-s
Thick-Grossus	gros	g-r-oh-s
Heavy	grew	g-er-ay-w
Small-Pittinus	putsin	p-u-VAlveolarSibilantAffricate-e-n
Narrow	ingust	eee-nya-g-u-s-t

Appendix 5 - Word Lists by Language

Narrow-Strictus	strimt	s-t-r-eee-m-t
Thin	mərunt	m-aah-r-u-n-t
Thin-Subtilis	subtsire	s-u-b-VIAveolarSibilantAffricate-e-r-ay
Warm	kald	k-ah-l-d
Cold-Recens	reʃe	r-ay-ts-ay
Full	plin	p-l-e-n
New	now	n-oh-w
Old	vekʲ	v-ay-kpalatal
Good	bun	b-u-n
Rotten	putred	p-u-t-r-ay-d
Dirty-Spurcus	spurk	s-p-u-r-k
Straight	drept	d-r-ay-p-t
Round	rətund	r-aah-t-u-n-d
Smooth-Nitidus	neted	n-ay-t-ay-d
Wet	umed	u-m-ay-d
Wet-Udus	ud	u-d
Dry	sek	s-ay-k
Near-AdPrope	aproape	ah-p-r-oaa-p-ay
Near-Vicinus	veʃin	v-ay-ts-e-n
Red	roʃu	er-oh-shh-u
Red-Rubeus	rojb	r-oj_diphthong-b
Green	verde	v-ay-er-d-ay
Yellow	galben	g-ah-l-b-ay-n
White	alb	ah-l-b
One	unu	u-n-u
Two-Duos	doj	d-oj_diphthong
Two-Duae	dowə	d-oh-w-aah
Three	trej	t-r-ayj
Four	patru	p-ah-t-r-u
Five	ʃinʃ	ts-e-n-ts
There	la	l-ah
Who-Quem	ʃine	ts-e-n-ay
What	ʃe	ts-ay
When-Quando	kind	k-eee-n-d
How-Quomodo	kum	k-u-m
Not	nu	n-u
At	a	ah
In-In	in	eee-n
With-Cum	ku	k-u
And-Et	e	ay
And-Si	ʃi	shh-e
Because-Quod	kə	k-aah

Appendix 6 - Segment Groups

Where symbols appear in pairs, the one to the right represents a rounded vowel.

Vowel

	Front	Near-Front	Central	Near-Back	Back
Close	i • y		ɨ		u
Near-close		ɪ		ʊ	
Close-mid	e • ø		ə		o
Mid					
Open-mid		œ • ε			ɔ
Near-open			ɐ		
Open		a			ɑ

Long-Vowel

	Front	Near-Front	Central	Near-Back	Back
Close	iː				uː
Near-close					
Close-mid					
Mid	eː				oː
Open-mid		ɛː			ɔː
Near-open					
Open	øː		aː		

Nasal-Vowel

	Front	Near-Front	Central	Near-Back	Back
Close	ĩ				ẽ
Near-close					ã
Close-mid					õ
Mid					
Open-mid		ẽ			õ
Near-open			ẽ • ã		
Open					ũ

Appendix 6 - Segment Groups

Long-Nasal-Vowel

	Front	Near-Front	Central	Near-Back	Back
Close					ẽ:
Near-close					
Close-mid					õ:
Mid					
Open-mid					
Near-open					
Open					

Vowel-Diphthong

	Front	Near-Front	Central	Near-Back	Back
Close			ij • iw		
Near-close					
Close-mid					oj
Mid	ej				
Open-mid		ɛj			ɔj
Near-open		aj	ɐj		
Open			au		

Nasal-Vowel-Diphthong

	Front	Near-Front	Central	Near-Back	Back
Close					
Near-close					
Close-mid					
Mid	ẽj • ẽu				
Open-mid		œ			
Near-open			ẽj		
Open			ẽw		

Vowel-Non-Sylabic

	Front	Near-Front	Central	Near-Back	Back
Close					

Appendix 6 - Segment Groups

Near-close					
Close-mid					
Mid					
Open-mid					
Near-open					
Open					

Vowel-Diphthong-Non-Sylabic

	Front	Near-Front	Central	Near-Back	Back
Close					
Near-close					
Close-mid	ea				oa
Mid					
Open-mid					
Near-open					
Open					

Pulmonic Consonants

Manner	Bilabial	Labial-Velar	Labio-Dental	Dental	Alveolar	Post-Alveolar	Retroflex	Palatal	Velar	Uvular	Glottal
Nasal, Stop											
Nasal	m				n			ɲ	ŋ		
Stop	p b	k ^w g ^w			t d			c ɟ	k g		
Sibilant, Fricative					s z	ʃ ʒ					
Fricative	β		f v	θ ð				ç ʝ	x ɣ	ʁ	h
Approximant							ɻ	j			
Tap/Flap					ɾ						
Trill					r					R	
Lateral, Fricative											
Lateral, Approximant					l			ʎ			
Lateral, Tap/Flap											

Shaded areas denote articulations judged to be impossible. Where symbols appear in pairs, the one to the right represents a modally voiced consonant.

Non-Pulmonic Consonants

Manner	Palatal
Stop	k ^j
Ejective, Stop	
Ejective, Fricative	

Appendix 6 - Segment Groups

Ejective, Lateral, Fricative	
Tenuis, Click	
Nasal, Click	
Tenuis, Lateral, Click	
Implosive	
Lateral, Approximant	

Shaded areas denote articulations judged to be impossible. Where symbols appear in pairs, the one to the right represents a modally voiced consonant.

Pulmonic Affricates

Manner	Alveolar	Palato-Alveolar
Sibilant	ts	tʃ
Lateral		
Voiced		
Non-Sibilant		

Shaded areas denote articulations judged to be impossible.

Ejective Affricates

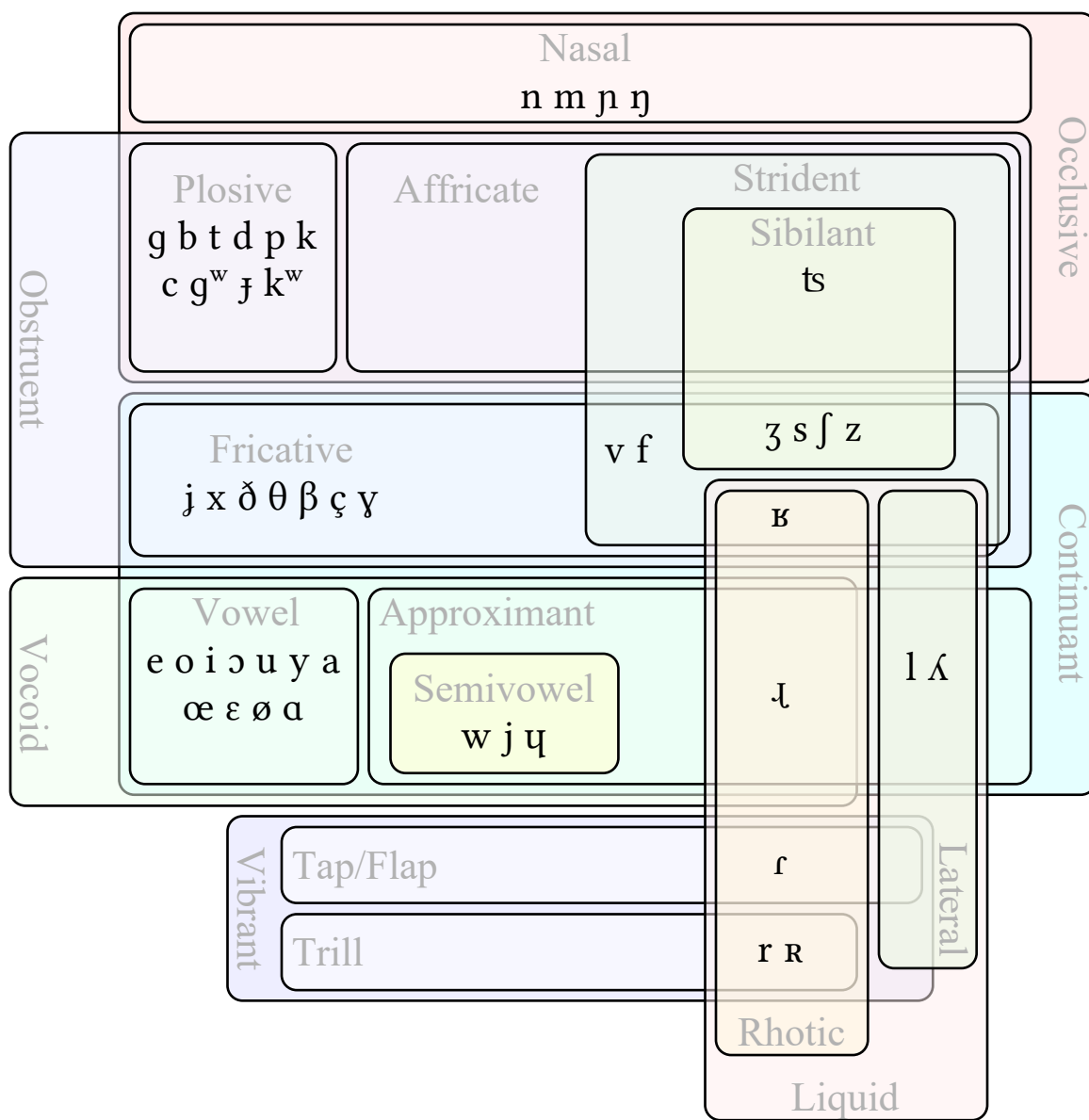
Manner
Central
Lateral

Shaded areas denote articulations judged to be impossible.

Other Segments

w	Labial-Velar Vocoid Semivowel Voiced Approximant	ɖʒ	Palato-Alveolar Voiced Sibilant Affricate
	Continuant Labial Velar		
ɭ	Alveolar Voiced Velarized Pulmonic Lateral Approximant	ɥ	Labial-Palatal Vocoid Semivowel Voiced Approximant
			Continuant Palatalized Labial
dz	Alveolar Voiced Sibilant Affricate	ɟ̃	Palatal Nasal Approximant

Appendix 7 - Euler Feature Diagram



Appendix 8 - International Phonetic Alphabet

IPA Segments

ẽj	ẽw̃	au̯	ɛ̞a
0250, 0303, 006A, 0303 Near-open Central Nasal Vowel Diphthong	0250, 0303, 0077, 0303 Open Central Nasal Vowel Diphthong	0061, 0075, 032F Open Central Vowel Diphthong	0065, 032F, 0061 Close-mid Front Vowel Diphthong Non-Syllabic
ɔ̞a	ẽj̃	ẽu̯	aj̃
006F, 032F, 0061 Close-mid Back Vowel Diphthong Non-Syllabic	1EBD, 006A, 0303 Mid Front Nasal Vowel Diphthong	1EBD, 0075, 032F Mid Front Nasal Vowel Diphthong	0061, 006A Near-open Near-Front Vowel Diphthong
aː	ej̃	eː	iː
0061, 02D0 Open Central Vowel Long Vowel Continuant	0065, 006A Mid Front Vowel Diphthong	0065, 02D0 Mid Front Vowel Long Vowel Continuant	0069, 02D0 Close Front Vowel Long Vowel Continuant
ĩ	kʲ	kʷ	oj̃
006A, 0303 Palatal Nasal Approximant	006B, 02B2 Palatal Stop Palatalized	006B, 02B7 Labial-Velar Pulmonic Stop Occlusive Labial Velar	006F, 006A Close-mid Back Vowel Diphthong
oː	uː	õː	øː
006F, 02D0 Mid Back Rounded Vowel Long Vowel Continuant	0075, 02D0 Close Back Rounded Long Vowel	00F5, 02D0 Close-mid Back Rounded Long Nasal Vowel	00F8, 02D0 Open Front Rounded Vowel Long Vowel
œ̃	ɐ̞j̃	ẽ̃	ã̃
0153, 0303 Open-mid Near-Front Rounded Nasal Vowel Diphthong	0250, 006A Near-open Central Vowel Diphthong	0250, 0303 Near-open Central Rounded Nasal Vowel	0251, 0303 Near-close Back Nasal Vowel
ɔ̞j̃	ɔː	õ̃	ɛ̞j̃
0254, 006A Open-mid Back Vowel Diphthong	0254, 02D0 Open-mid Back Rounded Vowel Long Vowel Continuant	0254, 0303 Open-mid Back Rounded Nasal Vowel	025B, 006A Open-mid Near-Front Vowel Diphthong

Appendix 8 - International Phonetic Alphabet

ɛː	ẽ	ɡ ^w	ij
025B, 02D0 Open-mid Near-Front Vocoid Long Vowel Continuant	025B, 0303 Open-mid Near-Front Nasal Vowel	0261, 02B7 Labial-Velar Voiced Pulmonic Stop Occlusive Labial Velar	0268, 006A Close Central Vowel Diphthong
ɪw	ẽː	a	b
0268, 0077 Close Central Vowel Diphthong	1EBD, 02D0 Close Back Long Nasal Vowel	0061 Open Near-Front Vocoid Vowel Continuant Parent Vowel	0062 Bilabial Voiced Pulmonic Stop Occlusive
c	d	e	f
0063 Palatal Pulmonic Stop Occlusive	0064 Alveolar Voiced Pulmonic Stop Occlusive	0065 Close-mid Front Vocoid Vowel Continuant Parent Vowel	0066 Labio-Dental Pulmonic Fricative Strident Obstruent Continuant Labial Dental
h	i	j	k
0068 Glottal Pulmonic Fricative	0069 Close Front Vocoid Vowel Continuant Parent Vowel	006A Palatal Vocoid Semivowel Voiced Pulmonic Approximant Continuant	006B Velar Pulmonic Stop Occlusive
l	m	n	o
006C Alveolar Vocoid Voiced Pulmonic Lateral Approximant Rhotic Liquid	006D Bilabial Voiced Pulmonic Nasal Occlusive	006E Alveolar Voiced Pulmonic Nasal Occlusive	006F Close-mid Back Rounded Vocoid Vowel Continuant Parent Vowel
p	r	s	t
0070 Bilabial Pulmonic Stop Occlusive	0072 Alveolar Voiced Pulmonic Trill Rhotic Vibrant Liquid	0073 Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant	0074 Alveolar Pulmonic Stop Occlusive
u	v	w	x
0075 Close Back Rounded Vocoid Vowel Continuant Parent Vowel	0076 Labio-Dental Voiced Pulmonic Fricative Strident Obstruent Continuant Labial Dental	0077 Labial-Velar Vocoid Semivowel Voiced Approximant Continuant Labial Velar	0078 Velar Pulmonic Fricative Obstruent Continuant

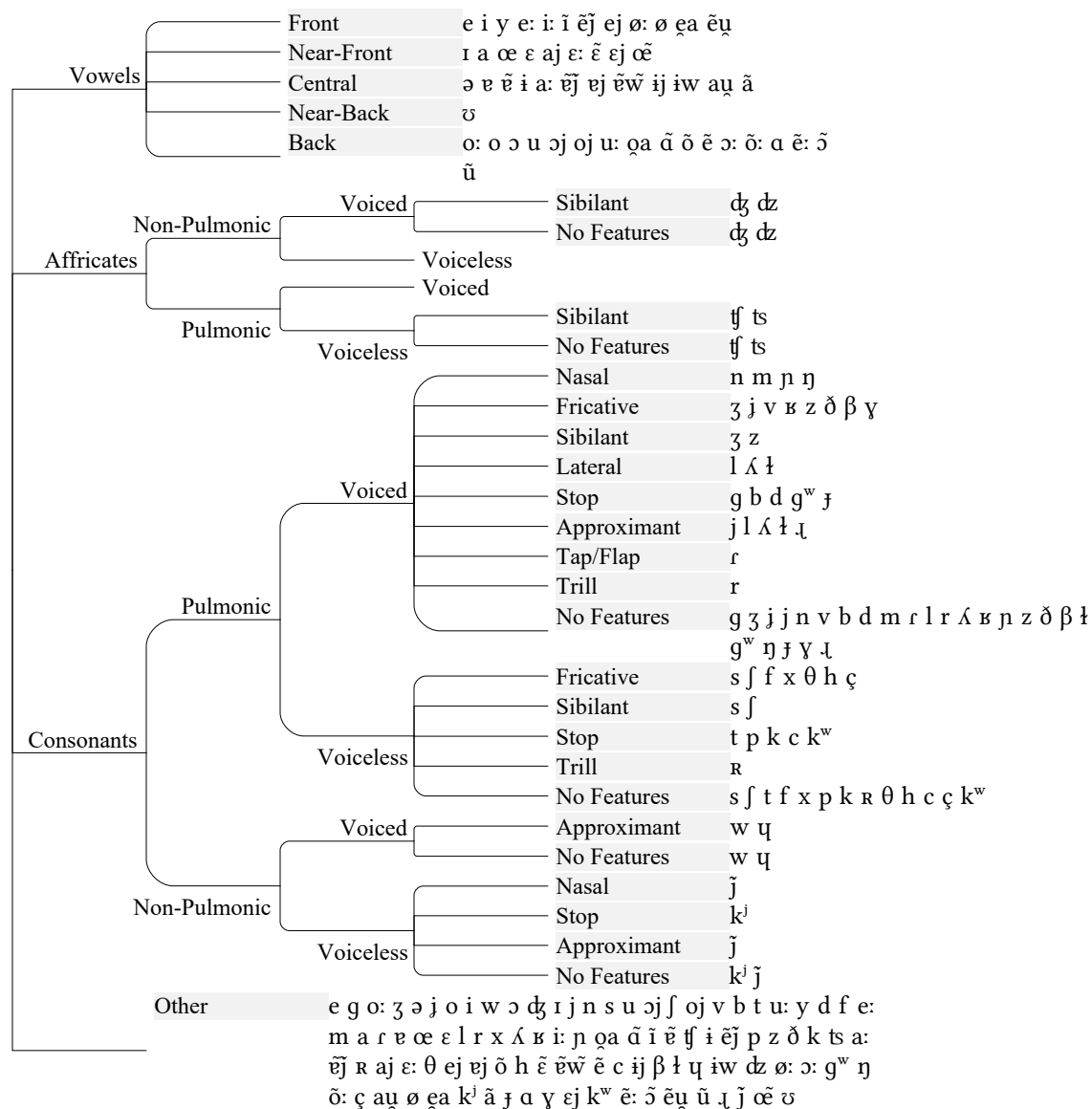
Appendix 8 - International Phonetic Alphabet

y	z	ã	ç
0079	007A	00E3	00E7
Close Front Rounded Vocoid Vowel Continuant Parent Vowel	Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant	Near-open Central Nasal Vowel	Palatal Pulmonic Fricative Obstruent Continuant
ð	õ	ø	ĩ
00F0	00F5	00F8	0129
Dental Voiced Pulmonic Fricative Obstruent Continuant Dental	Close-mid Back Rounded Nasal Vowel	Close-mid Front Rounded Vocoid Vowel Continuant Parent Vowel	Close Front Nasal Vowel
ŋ	œ	ũ	ɐ
014B	0153	0169	0250
Velar Voiced Pulmonic Nasal Occlusive	Open-mid Near-Front Rounded Vocoid Vowel Continuant	Open Back Nasal Vowel	Near-open Central Rounded Vowel Parent Vowel
ɑ	ɔ	ə	ɛ
0251	0254	0259	025B
Open Back Vocoid Vowel Continuant Parent Vowel	Open-mid Back Rounded Vocoid Vowel Continuant Parent Vowel	Close-mid Central Vowel Parent Vowel	Open-mid Near-Front Vocoid Vowel Continuant Parent Vowel
ʃ	ɡ	ɣ	ɸ
025F	0261	0263	0265
Palatal Voiced Pulmonic Stop Occlusive	Velar Voiced Pulmonic Stop Occlusive	Velar Voiced Pulmonic Fricative Obstruent Continuant	Labial-Palatal Vocoid Semivowel Voiced Approximant Continuant Palatalized Labial
ɨ	ɪ	ɭ	ɲ
0268	026A	026B	0272
Close Central Vowel Parent Vowel	Near-close Near-Front Vowel Parent Vowel	Alveolar Voiced Velarized Pulmonic Lateral Approximant	Palatal Voiced Pulmonic Nasal Occlusive
ɻ	ɹ	ʀ	ʁ
027B	027E	0280	0281
Retroflex Vocoid Voiced Pulmonic Approximant Rhotic Liquid	Alveolar Voiced Pulmonic Tap/Flap Rhotic Vibrant Liquid	Uvular Pulmonic Trill Rhotic Vibrant Liquid	Uvular Voiced Pulmonic Fricative Rhotic Strident Obstruent Continuant Liquid

Appendix 8 - International Phonetic Alphabet

ɧ	ʊ	ʎ	ʒ
0283	028A	028E	0292
Post-Alveolar Pulmonic Sibilant Fricative Strident Obstruent Continuant	Near-close Near-Back Rounded Vowel	Palatal Vowoid Voiced Pulmonic Lateral Approximant Rhotic Liquid	Post-Alveolar Voiced Pulmonic Sibilant Fricative Strident Obstruent Continuant
j	dʒ	dʒ	tʃ
029D	02A3	02A4	02A6
Palatal Voiced Pulmonic Fricative Obstruent Continuant	Alveolar Voiced Sibilant Affricate	Palato-Alveolar Voiced Sibilant Affricate	Alveolar Pulmonic Sibilant Affricate Occlusive Strident
tʃ	β	θ	ẽ
02A7	03B2	03B8	1EBD
Palato-Alveolar Pulmonic Sibilant Affricate	Bilabial Voiced Pulmonic Fricative Obstruent Continuant	Dental Pulmonic Fricative Obstruent Continuant Dental	Close Back Nasal Vowel

Appendix 9 - Feature Tree



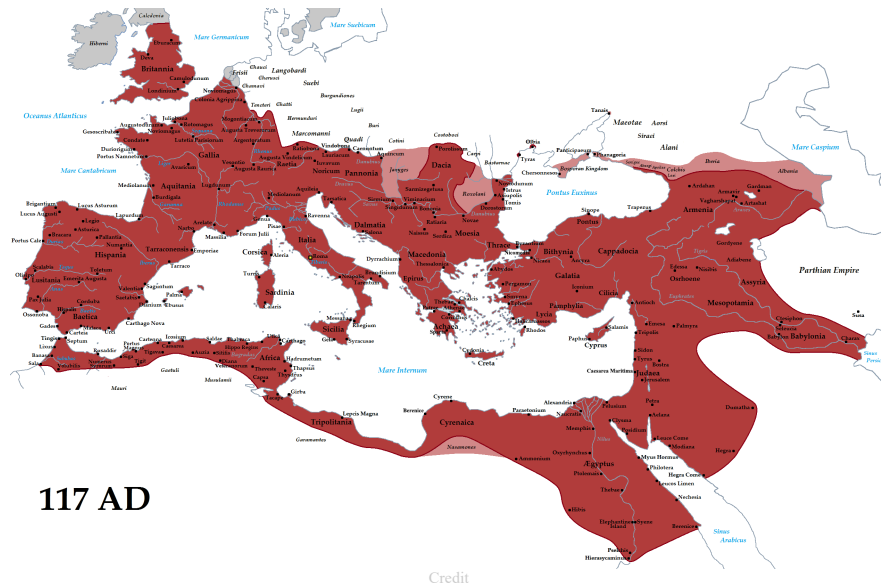
Appendix 10 - Diacritics

Diacritics

Undefined escape character	~	Nasalized	..	Centralized
Advanced	-	Retracted	˘	RisingTone
Voiceless	ɰ	Implosive	̰	Syllabic
Ejective	ʕ	Pharyngealized	ˆ	Falling tone
Non-syllabic	̚	No audible release	̤	Rhotic hook
Advanced tongue root	ɿ	Apical	˙	Extra low tone
Less rounded	ɲ	Dental	˜	Velarized or Pharyngealized
↘ Global fall	ɣ	Velarized	ˊ	High tone
h Aspirated	j	Palatalized	̤	Creaky voiced
˘ Low tone	l	Lateral release	-	Mid tone
◻ Laminal	ˆ	Linguo-Labial	̚	Nasal release
˙ More rounded	ɹ	Lowered	̚	Retracted tongue root
↗ Global rise	ɻ	Raised	˙	Extra high tone
˙ Breathy voiced	˘	Voiced	w	Labialized
˘ Extra short	x	Mid-centralized	↓	Down-step
↑ Up-step	ː	Long	˙	Half-long
Indeterminacy in french vowels		Begin Non-segmental notation		End non-segmental notation
ɕ Voiced epiglottal fricative	!	Post-alveolar click		Minor group
Dental click		Major group		Alveolar lateral click
‡ Palatal click	˙	Voiceless descender	-	Combining macron
⏟ Tie-bar below	⏟	Tie-bar above	̤	Ready made combination
→ Becomes		Separator		

Appendix 11 - Languages

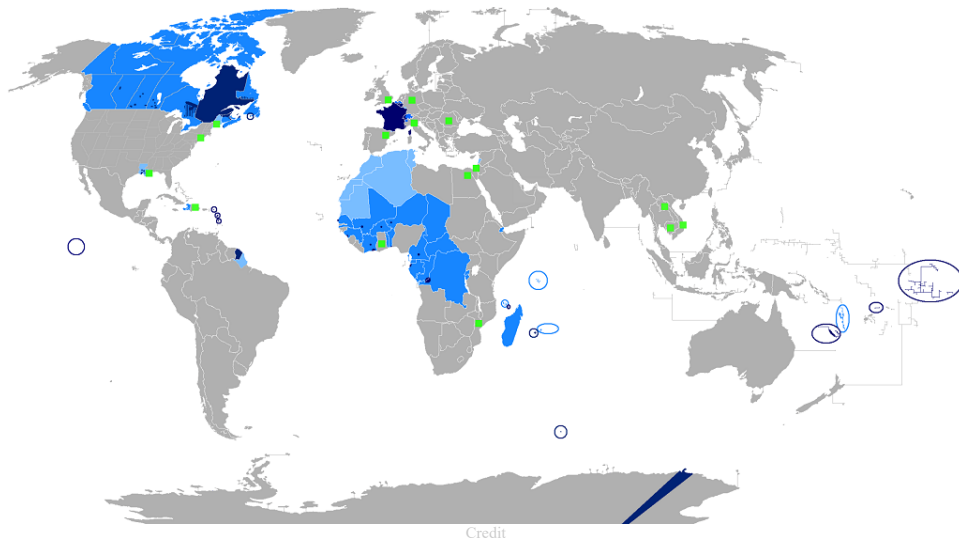
Latin



A classical language belonging to the Italic branch of the Indo-European languages. Latin was originally spoken in the area around Rome, known as Latium. Through the power of the Roman Republic, it became the dominant language in Italy, and subsequently throughout the western Roman Empire, before eventually becoming a dead language. Latin has contributed many words to the English language. In particular, Latin (and Ancient Greek) roots are used in English descriptions of theology, the sciences, medicine, and law.

By the late Roman Republic (75 BC), Old Latin had been standardised into Classical Latin. Vulgar Latin was the colloquial form spoken at that time and attested in inscriptions and the works of comic playwrights like Plautus and Terence[3] and author Petronius. Late Latin is the written language from the 3rd century; its colloquial form Vulgar Latin developed in the 6th to 9th centuries into the Romance languages, such as Italian, Sardinian, Venetian, Neapolitan, Sicilian, Piedmontese, Lombard, French, Franco-Provençal, Occitan, Corsican, Ladin, Friulan, Romansh, Catalan/Valencian, Aragonese, Spanish, Asturian, Galician, and Portuguese. Medieval Latin was used as a literary language from the 9th century to the Renaissance which used Renaissance Latin. Later, Early Modern Latin and New Latin evolved. Latin was the language of international communication, scholarship and science until well into the 18th century, when vernaculars (including the Romance languages) supplanted it. Ecclesiastical Latin remains the official language of the Holy See and the Roman Rite of the Catholic Church. Latin is a highly inflected language, with three distinct genders, six or seven noun cases, five declensions, four verb conjugations, six tenses, three persons, three moods, two voices, two or three aspects, and two numbers. The Latin alphabet is derived from the Etruscan and Greek alphabets and ultimately from the Phoenician alphabet.

French

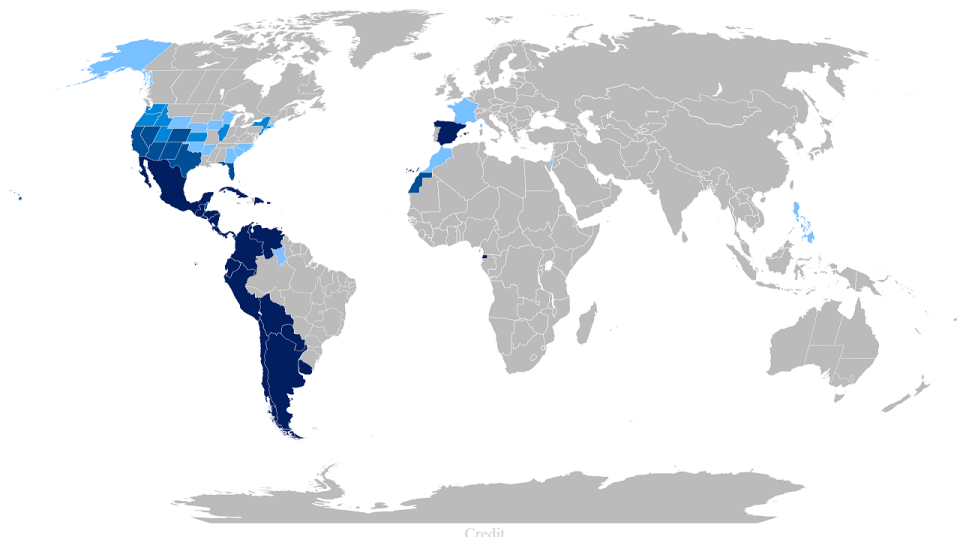


A Romance language of the Indo-European family. It descended from the Vulgar Latin of the Roman Empire, as did all Romance languages. French evolved from Gallo-Romance, the Latin spoken in Gaul, and more specifically in Northern Gaul. Its closest relatives are the other langues d'oïl—languages historically spoken in northern France and in southern Belgium, which French (Francien) largely supplanted.

French was also influenced by native Celtic languages of Northern Roman Gaul like Gallia Belgica and by the (Germanic) Frankish language of the post-Roman Frankish invaders. Today, owing to France's past overseas expansion, there are numerous French-based creole languages, most notably Haitian Creole. A French-speaking person or nation may be referred to as Francophone in both English and French.

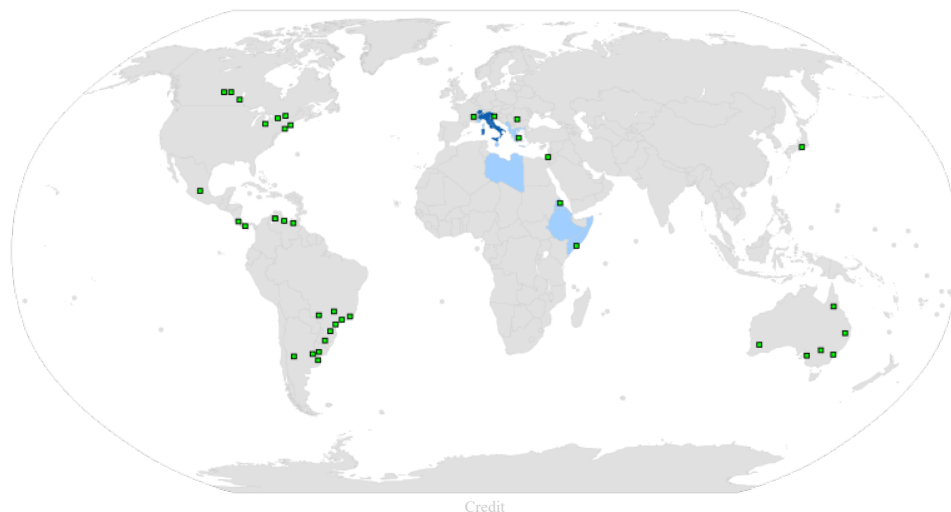
French is an official language in 29 countries across multiple continents, most of which are members of the Organisation internationale de la Francophonie (OIF), the community of 84 countries which share the official use or teaching of French. French is also one of six official languages used in the United Nations. It is spoken as a first language (in descending order of the number of speakers) in France; the Democratic Republic of Congo; Algeria; Morocco; Canada (provinces of Quebec, Ontario and New Brunswick as well as other Francophone regions); Cameroon; Belgium (Wallonia and the Brussels-Capital Region); Ivory Coast; Tunisia; western Switzerland (Romandy—all or part of the cantons of Bern, Fribourg, Geneva, Jura, Neuchâtel, Vaud, Valais); Monaco; parts of Luxembourg; parts of the United States (the states of Louisiana, Maine, New Hampshire and Vermont); northwestern Italy (autonomous region of Aosta Valley); and various communities elsewhere.

Spanish



A Romance language that originated in the Iberian Peninsula of Europe. Today, it is a global language with nearly 500 million native speakers, mainly in Spain and the Americas. It is the world's second-most spoken native language after Mandarin Chinese, and the world's fourth-most spoken language overall after English, Mandarin Chinese, and Hindi.

Italian



A Romance language of the Indo-European language family. Italian is the closest national language to Latin, from which it descends via vulgar Latin of the Roman Empire. Taking into account both national and regional languages, it is seen that Italian and Sardinian are together the least differentiated from Latin. Italian is an official language in Italy, Switzerland (Ticino and the Grisons), San Marino, and Vatican City. It has an official minority status in western Istria (Croatia and Slovenia).

It formerly had official status in Albania, Malta, Monaco, Montenegro (Kotor), Greece (Ionian Islands and Dodecanese), and is generally understood in Corsica by Corsican speakers (many linguists classify Corsican as an Italian dialect). It used to be an official language in the former colonial areas of Italian East Africa and Italian North Africa, where it still has a significant role in various sectors.

Italian is also spoken by large immigrant and expatriate communities in the Americas and Australia. Italian is included under the

Appendix 11 - Languages

languages covered by the European Charter for Regional or Minority languages in Bosnia and Herzegovina and in Romania, although Italian is neither a co-official nor a protected language in these countries. Many speakers of Italian are native bilinguals of both Italian (either in its standard form or regional varieties) and another regional language of Italy.

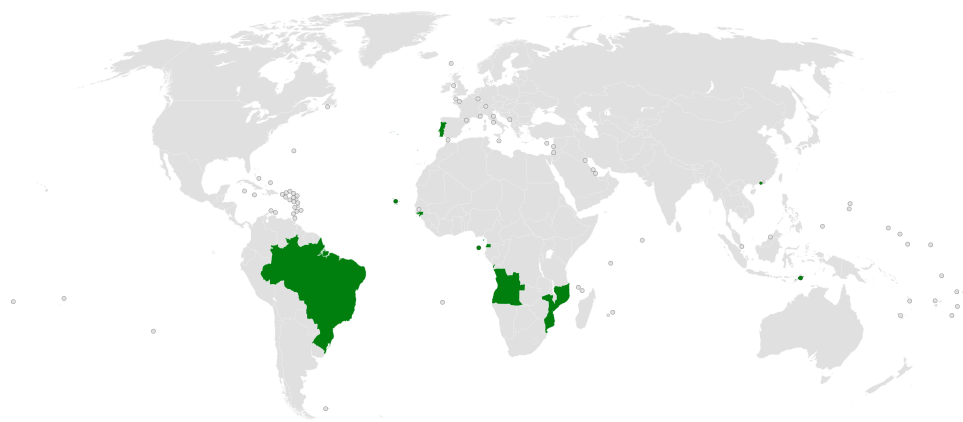
Brazilian Portuguese



Credit

The set of dialects of the Portuguese language native to Brazil and the most influential form of Portuguese worldwide. It is spoken by almost all of the 200 million inhabitants of Brazil and spoken widely across the Brazilian diaspora, today consisting of about two million Brazilians who have emigrated to other countries. With a population of over 205 million, Brazil is by far the world's largest Portuguese-speaking nation and the only one in the Americas.

Portuguese



Credit

A Romance language originating in the Iberian Peninsula of Europe. It is the sole official language of Portugal, Angola, Mozambique, Guinea-Bissau, Cape Verde, São Tomé and Príncipe, and Brazil, while having co-official language status in East Timor, Equatorial Guinea, and Macau. A Portuguese-speaking person or nation is referred to as "Lusophone" (lusófono). As the result of expansion during colonial times, a cultural presence of Portuguese and Portuguese creole speakers are also found around the world. Portuguese is part of the Ibero-Romance group that evolved from several dialects of Vulgar Latin in the medieval Kingdom of Galicia and the County of Portugal, and has kept some Celtic phonology and its lexicon.

Catalan



Credit

Catalan (/ˈkætələn, -æn, ˌkætəˈlæn/; autonym: català or llengua catalana; Eastern Catalan: [kətəˈla]), known in the Valencian Community and Carche as Valencian, is a Western Romance language derived from Vulgar Latin. It is the official language of Andorra, and a co-official language of three autonomous communities in eastern Spain: Catalonia, the Valencian Community and the Balearic Islands. It also has semi-official status in the Italian comune of Alghero. It is also spoken in the Pyrénées-Orientales department of France and in two further areas in eastern Spain: the eastern strip of Aragon and the Carche area in the Region of Murcia. The Catalan-speaking territories are often called the Països Catalans or "Catalan Countries".

The language evolved from Vulgar Latin in the Middle Ages around the eastern Pyrenees. Nineteenth-century Spain saw a Catalan literary revival, culminating in the early 1900s.

Walloon



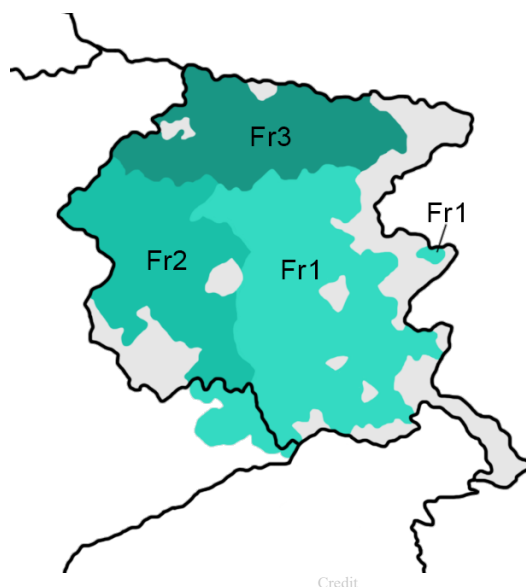
Credit

Appendix 11 - Languages

A Romance language that is spoken in much of Wallonia and (to small extent) in Brussels, Belgium; some villages near Givet, northern France; a clutch of communities in northeastern Wisconsin, U.S.; and in some parts of Canada. It belongs to the langue d'oïl language family, the most prominent member of which is the French language. The historical background of its formation was the territorial extension since 980 of the Principality of Liège to the south and west.

Despite its rich literature, beginning anonymously in the 16th century and with well-known authors since 1756, the use of Walloon has decreased markedly since France's annexation of Wallonia in 1795. This period definitively established French as the language of social promotion, far more than it was before. After World War I, public schools provided French-speaking education to all children, inducing a denigration of Walloon, especially when accompanied by official orders in 1952 to punish its use in schools. Subsequently, since the middle of the 20th century, generational transmission of the language has decreased, resulting in Walloon almost becoming a dead language. Today it is scarcely spoken among younger people, with vast majority of its native speakers being the elderly (aged 65 and over). In 2007, the number of people with knowledge of the language was estimated at 600,000.

Friulian



Friulian (/friˈuːliən/ free-OO-lee-ən) or Friulan (natively About this soundfurlan or marilenghe; Italian: friulano; German: Furlanisch; Slovene: furlanščina) is a Romance language belonging to the Rhaeto-Romance family, spoken in the Friuli region of northeastern Italy. Friulian has around 600,000 speakers, the vast majority of whom also speak Italian.

It is sometimes called Eastern Ladin since it shares the same roots as Ladin, but over the centuries, it has diverged under the influence of surrounding languages, including German, Italian, Venetian, and Slovene. Documents in Friulian are attested from the 11th century and poetry and literature date as far back as 1300. By the 20th century, there was a revival of interest in the language.

Romanian



Romanian (obsolete spellings: Rumanian or Roumanian; autonym: *limba română* ['limba ro'minə] (About this soundlisten), or *românește*, lit. 'in Romanian') is a Balkan Romance language spoken by approximately 24–26 million people as a native language, primarily in Romania and Moldova, and by another 4 million people as a second language. According to another estimate, there are about 34 million people worldwide who can speak Romanian, of whom 30 million speak it as a native language. It is an official and national language of both Romania and Moldova and is one of the official languages of the European Union.

Romanian is a part of the Eastern Romance sub-branch of Romance languages, a linguistic group that evolved from several dialects of Vulgar Latin which separated from the Western Romance languages in the course of the period from the 5th to the 8th centuries. To distinguish it within the Eastern Romance languages, in comparative linguistics it is called Daco-Romanian as opposed to its closest relatives, Aromanian, Megleno-Romanian and Istro-Romanian. Romanian is also known as Moldovan in Moldova, although the Constitutional Court of Moldova ruled in 2013 that "the official language of the republic is Romanian".